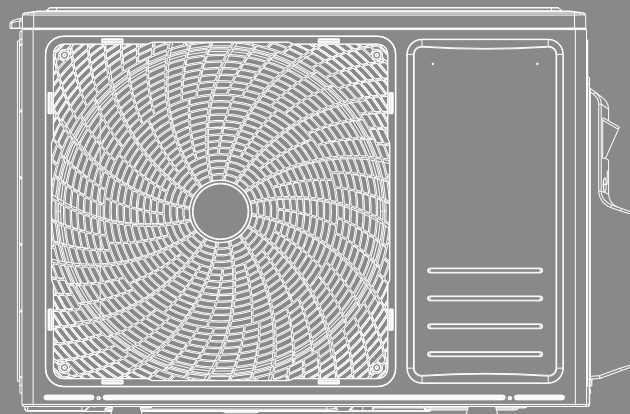
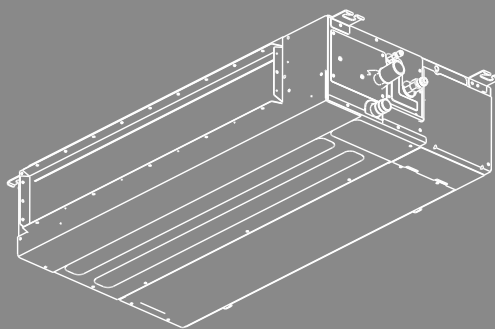


TECHNICAL & SERVICE MANUAL V1.1

—MULTI-SPLIT TYPE AIR CONDITIONERS



Models:

<Outdoor Unit>

AMW2-18U4RJC(AUS)

AMW3-24U4RJC(AUS)

AMW4-27U4RJC(AUS)

AMW4-36U4RAA(AUS)

AMW5-42U4RTA(AUS)

<Indoor Unit>

Ducted

AMD-09UX4RAL4

ADT-12UX4RBL4

ADT-18UX4RCL4

AMD-24UX4RCL4

Model Comparison Table

Category	Factory Model	Market Model
Multi-Split Outdoor Model	AMW2-18U4RJC(AUS)	AMW2-52U4RJC
	AMW3-24U4RJC(AUS)	AMW3-71U4RJC
	AMW4-27U4RJC(AUS)	AMW4-80U4RJC
	AMW4-36U4RAA(AUS)	AMW4-100U4RAA
	AMW5-42U4RTA(AUS)	AMW5-125U4RTA
Multi-Split Indoor Model	AMD-09UX4RAL4	AMD-25UX4RAL4
	ADT-12UX4RBL4	AMD-35UX4RBL4
	ADT-18UX4RCL4	AMD-50UX4RCL4
	AMD-24UX4RCL4	AMD-71UX4RCL4

SAFETY SUMMARY

IMPORTANT NOTICE

- We pursue a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- We cannot anticipate every possible circumstance that might involve a potential hazard.
- This air conditioner is designed for standard air conditioning only. Do not use this air conditioner for other purposes such as drying clothes, refrigerating foods or for any other cooling or heating process. Do not let the air-out face animals or plants, it might have an adverse effect on them.
- The installer and system specialist shall secure safety against leakage according to local regulations or standards.
- Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

▲ DANGER

: Immediate hazards which WILL result in severe personal injury or death.

▲ WARNING

: Hazards or unsafe practices which COULD result in severe personal injury or death.

▲ CAUTION

: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

NOTE

: Useful information for operation and/or maintenance.

- Installation should be performed by the dealer or other professional personnel. Improper installation may cause water leakage, electrical shock, or fire.

▲ DANGER

- Do not perform installation work, refrigerant piping work, drain piping and electrical wiring connection without referring to our installation manual. If the instructions are not followed, it may result in a water leakage, electric shock or a fire.
- Use refrigerant R32 in the refrigerant cycle.
- Do not pour water into the indoor or outdoor unit. These products are equipped with electrical parts. If poured, it will cause a serious electrical shock.
- Do not open the service cover or access panel for the indoor or outdoor units without turning OFF the main power supply.
- Do not touch or adjust safety devices inside the indoor or outdoor units. If these devices are touched or readjusted, it may cause a serious accident.
- Refrigerant leakage can cause difficulty in breathing due to insufficient air. Turn OFF the main switch, extinguish any naked flames and contact your service contractor, if refrigerant leakage occurs.
- Do perform air-tight test. Do not charge oxygen, acetylene or other flammable and poisonous gases into the refrigerant cycle when performing a leakage test or an air-tight test. These types of gases are extremely dangerous and can cause an explosion. It is recommended that nitrogen be used for this test.
- The installer and system specialist shall secure safety against refrigerant leakage according to local regulations or standards.
- Use an ELB (Electric Leakage Breaker). In the event of a fault, there is danger of an electric shock or a fire if it is not used.

▲ WARNING

- Do not use any sprays such as insecticide, lacquer, hair spray or other flammable gases within approximately one (1) meter from the system.

- If circuit breaker or fuse is often activated, stop the system and contact your service contractor.
- Check that the ground wire is securely connected. If the unit is not correctly grounded, it will lead to electric shock. Do not connect the ground wiring to gas piping, water piping, lightning conductor or ground wiring for telephone.
- Before performing any brazing work, check to ensure that there is no flammable material around when using refrigerant. Be sure to wear leather gloves to prevent cold injuries.
- Protect the wires, electrical parts, etc. from rats or other small animals.
If not protected, rats may gnaw at unprotected parts, which may lead to fire.
- Fix the cables securely. External forces on the terminals could lead to a fire.
- Install the air conditioner on a solid base that can support the unit weight. An inadequate base or incomplete installation may cause injury in the event the unit falls off the base. Incomplete connections or clamping may cause terminal overheating or fire.
- Make sure that the outdoor unit is not covered with snow or ice, before operation.

⚠ CAUTION

- Do not step or put any material on the product.
- Do not put any foreign material on the unit or inside the unit.

NOTE

- It is recommended that the room be ventilated every 3 to 4 hours.
- The air conditioner may not work properly under the following circumstances.
The power transformer provides the same power or power as the air conditioner. The electrical equipment is too close to the power supply of the air conditioner. With the sharp change of power consumption and switching action, the power supply of the air conditioner will generate a large induction surge voltage.

CHECKING PRODUCT RECEIVED

- Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.
- Check the model number, electrical characteristics (power supply, voltage and frequency) and accessories to determine if they are correct.

The standard utilization of the unit shall be explained in these instructions.

Therefore, the utilization of the unit other than those indicated in these instructions is not recommended.

Please contact your local agent, as the occasion arises.

- ☑ • *The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.*
- *Letter K in the manual stands for kBtu/h, for example 12K, 14K, 18K, 21K, 24K, which means model size, not real capacity.*

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1. GENERAL

1. General

1.1 Features

Outdoor Unit

- Twin Rotary DC Inverter Compressor

The twin rotary inverter compressor design reduces friction during operation for smoother rotation with less vibration, while also preventing leakage of refrigerant gas during compression. The result is a far quieter and more efficient air conditioner.



- 3-DC Inverter Technology

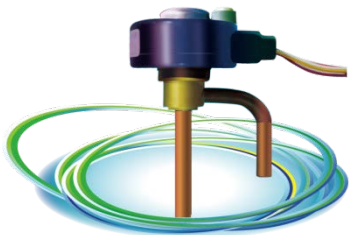
3-DC Inverter technology allows for extremely accurate control of compressor rotation speed, saving roughly 50% more energy than traditional air conditioners. Moreover, it guarantees that fan motor greatly reduces the loss owed to the typical owing dispersion of AC motors and more efficiently reaches the set temperature.

- Electronic Expansion Valve

Inside the outdoor unit is the electronic expansion valve, which regulates and optimizes the refrigerant quantity to all running indoor units.

- Self Recovery of Power Break

When the power supply is recovered after break, all presets are still effective and the air conditioner can run according to the original setting.



1. GENERAL

➤ Comfortable temperature control

DC inverter power control uses its full capacity at startup to cool/warm quickly. As soon as the set temperature is reached, it carefully adjusts current frequency to prevent temperature fluctuation and energy loss.



➤ Long piping for flexible installation

The ample maximum piping length of 50 m permits more freedom in the placement of air conditioner units and enables you to optimise interior space.

➤ Various Indoor & Outdoor Unit Types

The new line-up expands the range of layout options both indoors and outdoors.

More methods, more conveniently.

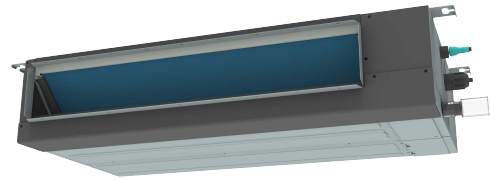
➤ Optional Remote Controller

A variety of convenient controller systems permit individual control of settings such as temperature, airflow volume, and operation duration.

1. GENERAL

Indoor Unit

Duct Type Air Conditioner



Features

- **Save Installation Space**
The indoor unit can be installed inside the ceiling conveniently.
- **Optional Static Pressure**
Optional ESP, a variety of optional installation methods.
- **24-hour Timer ON and OFF**
This Timer can be set to automatically turn the unit on or off within a 24-hour period.
- **Mute Operation**
The excellent fan design enables smooth airflow with minimum noise.
- **Meeting Various Installation Requirements**
The back-air-inlet type should be adopted according to the actual installation space. The unit is also installed with down-air-inlet type and the noise will increase by 5-6dB.
- **Auto re-start from Power Break**
When the power supply is recovered after power break, all presets are still effective and the air-conditioner will run according to the previous setting.
- **Fault Self-diagnose Function**
When there is a problem in the air-conditioner, the microcomputer could diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

1.2 Product lineup

Outdoor unit

Model(Btu/h) Type	18K	24K	27K	36K	42K
Up to 2 IDUs	●				
Up to 3 IDUs		●			
Up to 4 IDUs			●	●	
Up to 5 IDUs					●

Indoor unit

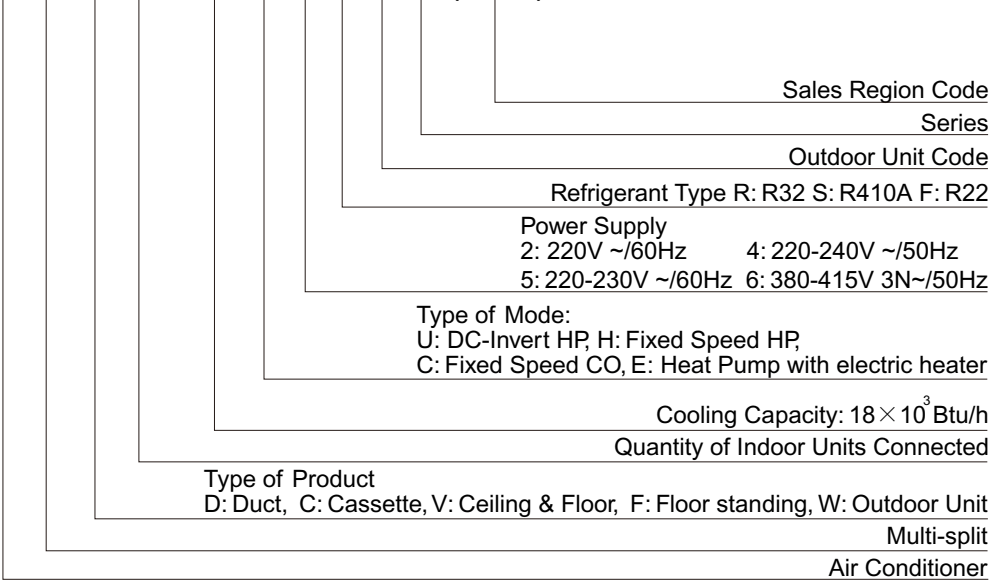
Model(Btu/h) Type	9K	12K	18K	24K
Duct type	●	●	●	●

● : available model

1.3 Nomenclature

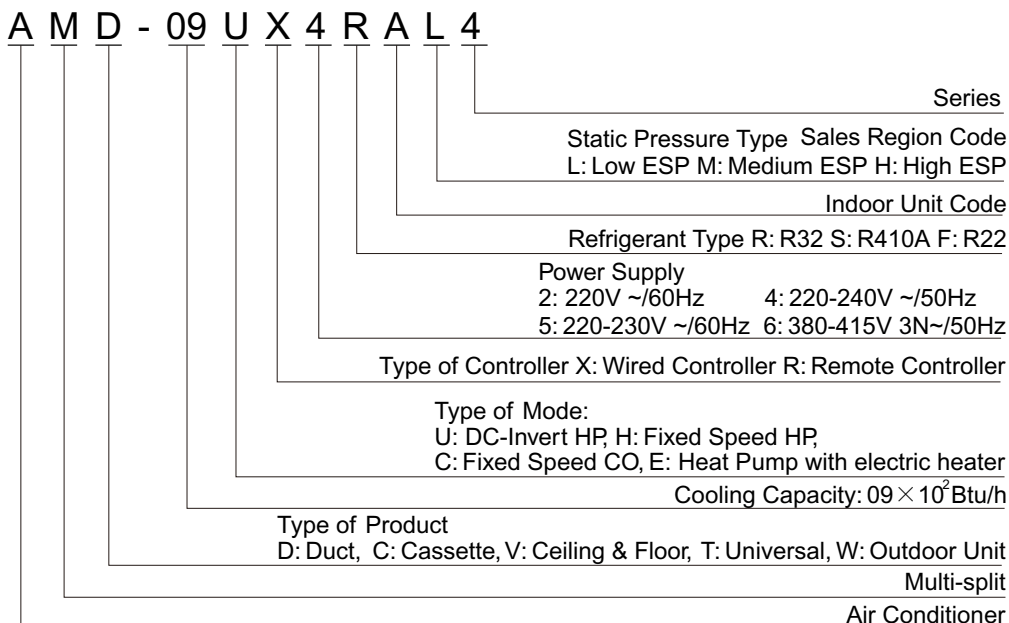
Outdoor unit

A M W 2 - 18 U 4 R J C (AUS)



1. GENERAL

Indoor unit



1.4 Unit installation

With the DC inverter technology, one outdoor unit can be connected with 3 indoor units at most. The combination rate range is from 80% to 130%.

Model (Btu/h)	Max. Combined Quantity of Indoor Units
18K	2
24K	3
27K/36K	4
42K	5

1.5 Working range

Power supply

Working Voltage	176V ~ 253V
Voltage Imbalance	Within a 3% deviation from each voltage at the main terminal of outdoor unit
Starting Voltage	Higher than 85% of the Rated Voltage

1. GENERAL

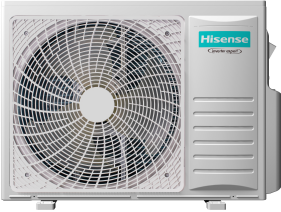


Operating temperature range

This air conditioner is designed for the following outdoor operating temperatures.


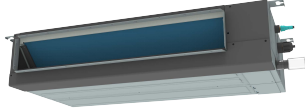
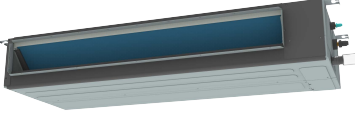
Series	Mode	Outdoor operating temperature (°C)	
		maximum	minimum
DC-Inverter Multi-Split Air Conditioner (Heat pump type)	Cooling Operation	50	-15
	Heating Operation	24	-15

Storage condition: Temperature: -25~60°C
Humidity: 30%~80%

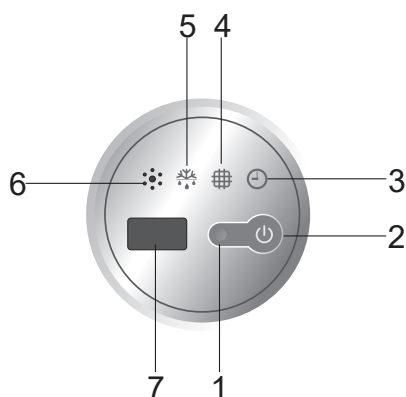
1.6 Product appearance

Model (Cooling Capacity: Btu/h)	Outdoor unit
18K/24K/27K	
36K	
42K	

1. GENERAL

Model (Cooling Capacity: Btu/h)	Indoor unit
9K	
12K	
18K/24K	

Display panel



Description

- 1 Run indicator (Red)**
It lights on in operation. It lights off in SLEEP mode.
- 2 Emergency switch**
The filter clean indicator is reset when the switch is pressed. The unit will be started or stopped once the switch is pressed. The unit will be operated in forced cooling mode if press the switch continuously for more than 5s when the unit is off.
- 3 Timer indicator (Green)**
It lights on when timer is in use. It lights off when timer completes.
- 4 Filter clean (Yellow)**
It lights on when the filter needs to be cleaned.
- 5 Defrost indicator (Green)**
It lights on during defrosting and it lights off when defrosting is completed.
- 6 Buzzer**
It rings when the signal from remote controller is received.
- 7 Infrared receiver**
Receives signal from the remote controller.

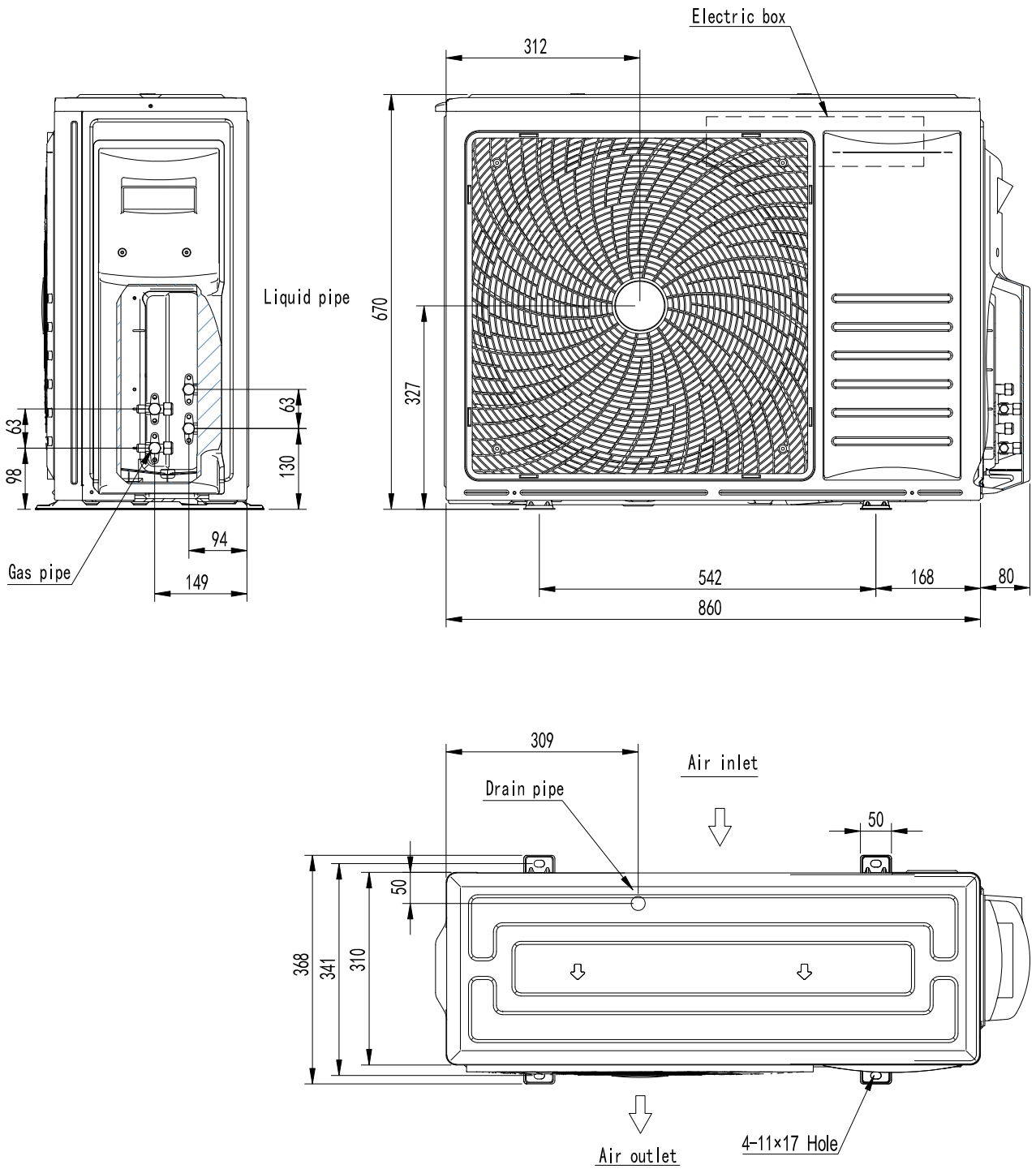
☑ • The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.

2. OUTLINES AND DIMENSIONS

2. Outlines and dimensions

18K

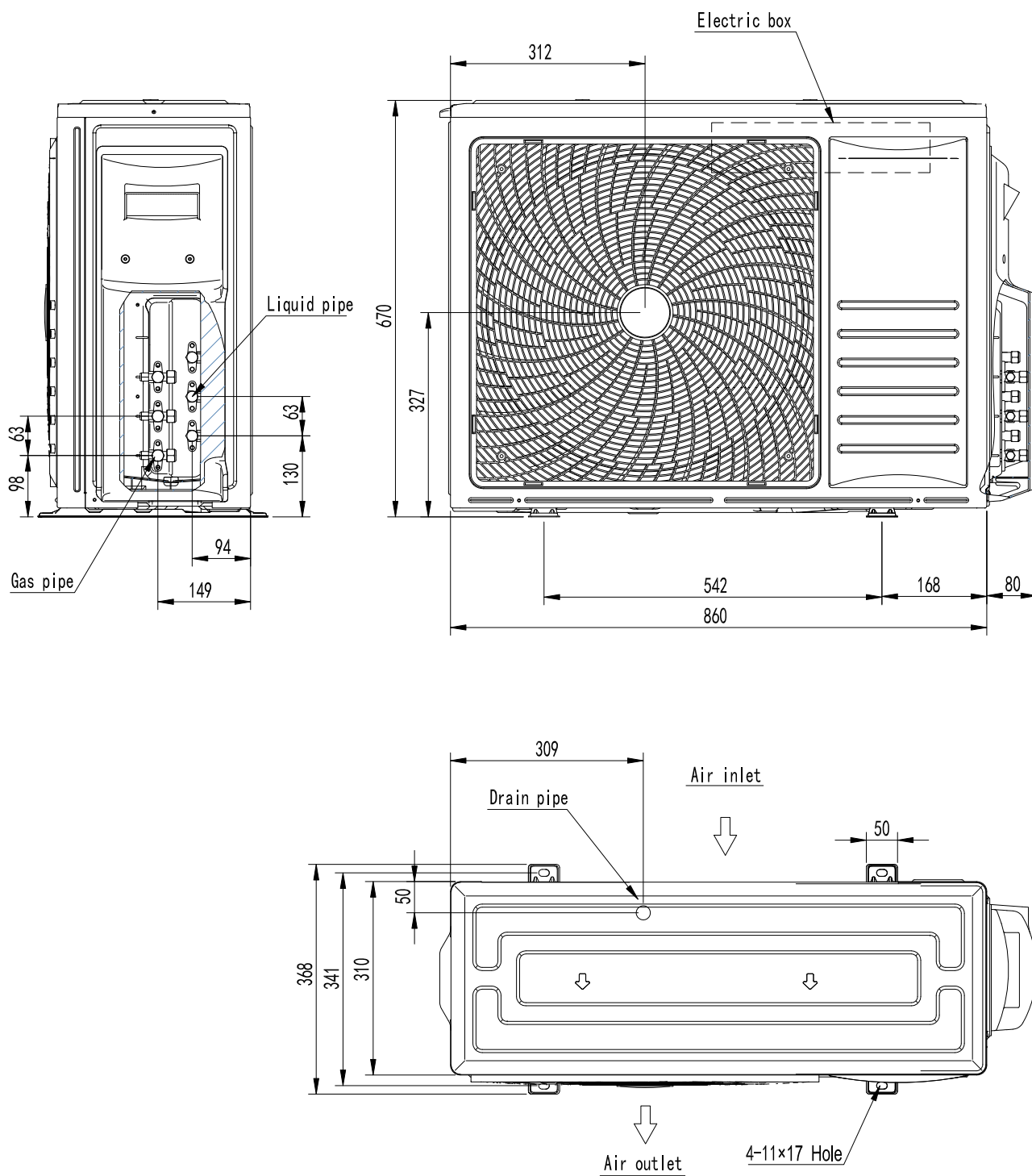
Unit: (mm)



2. OUTLINES AND DIMENSIONS

24K

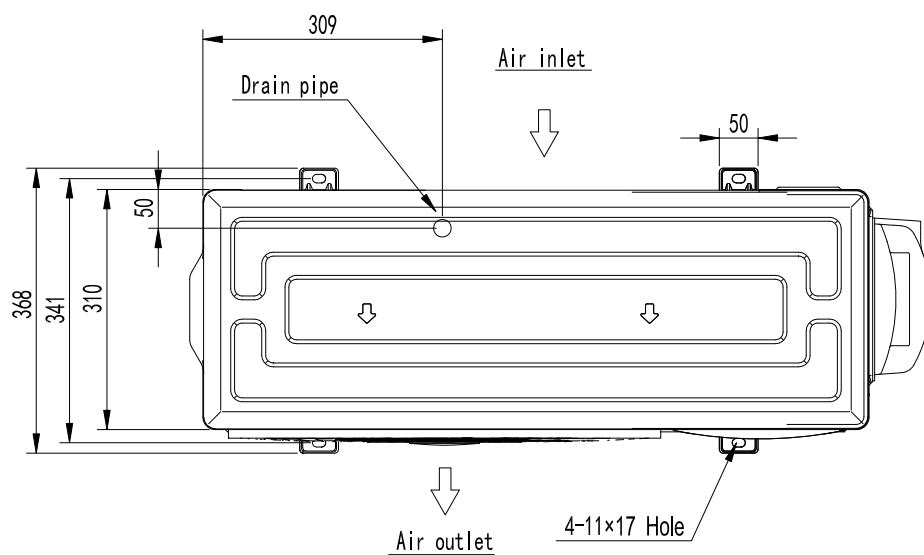
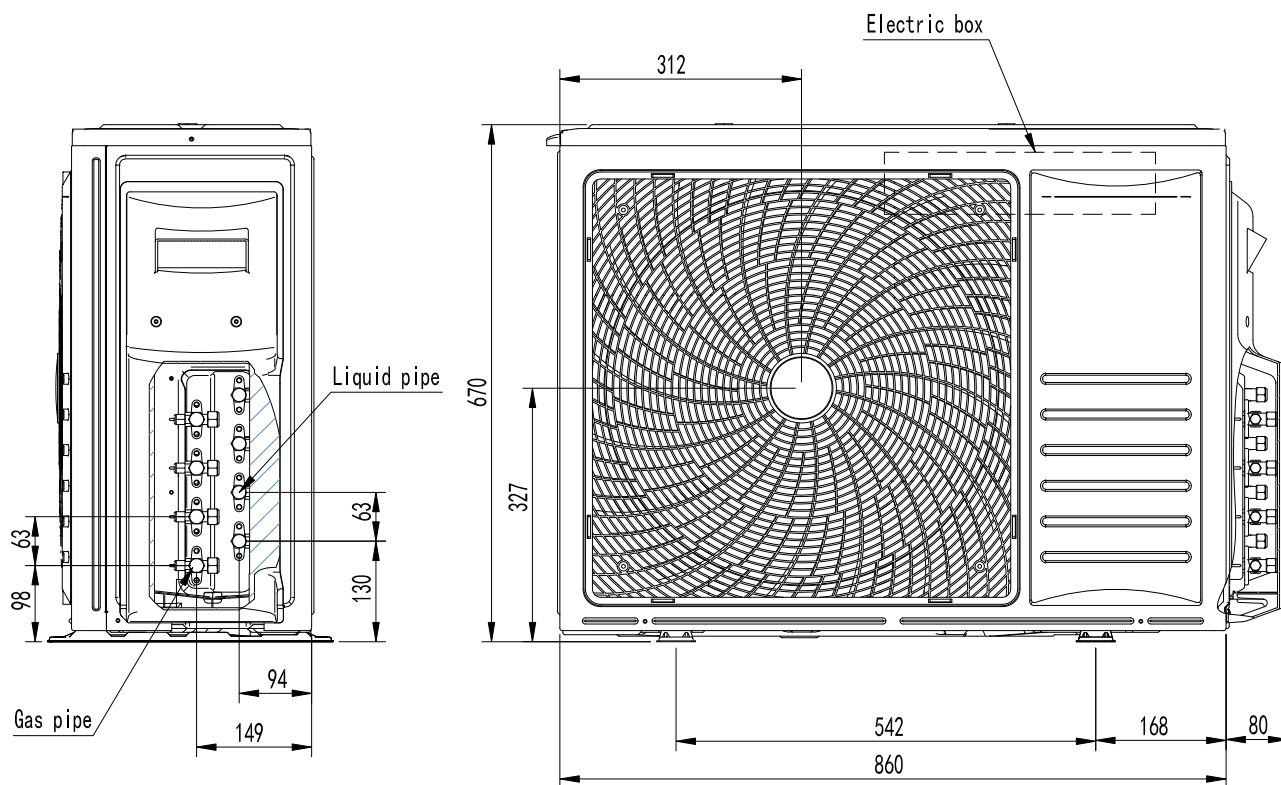
Unit: (mm)



2. OUTLINES AND DIMENSIONS

27K

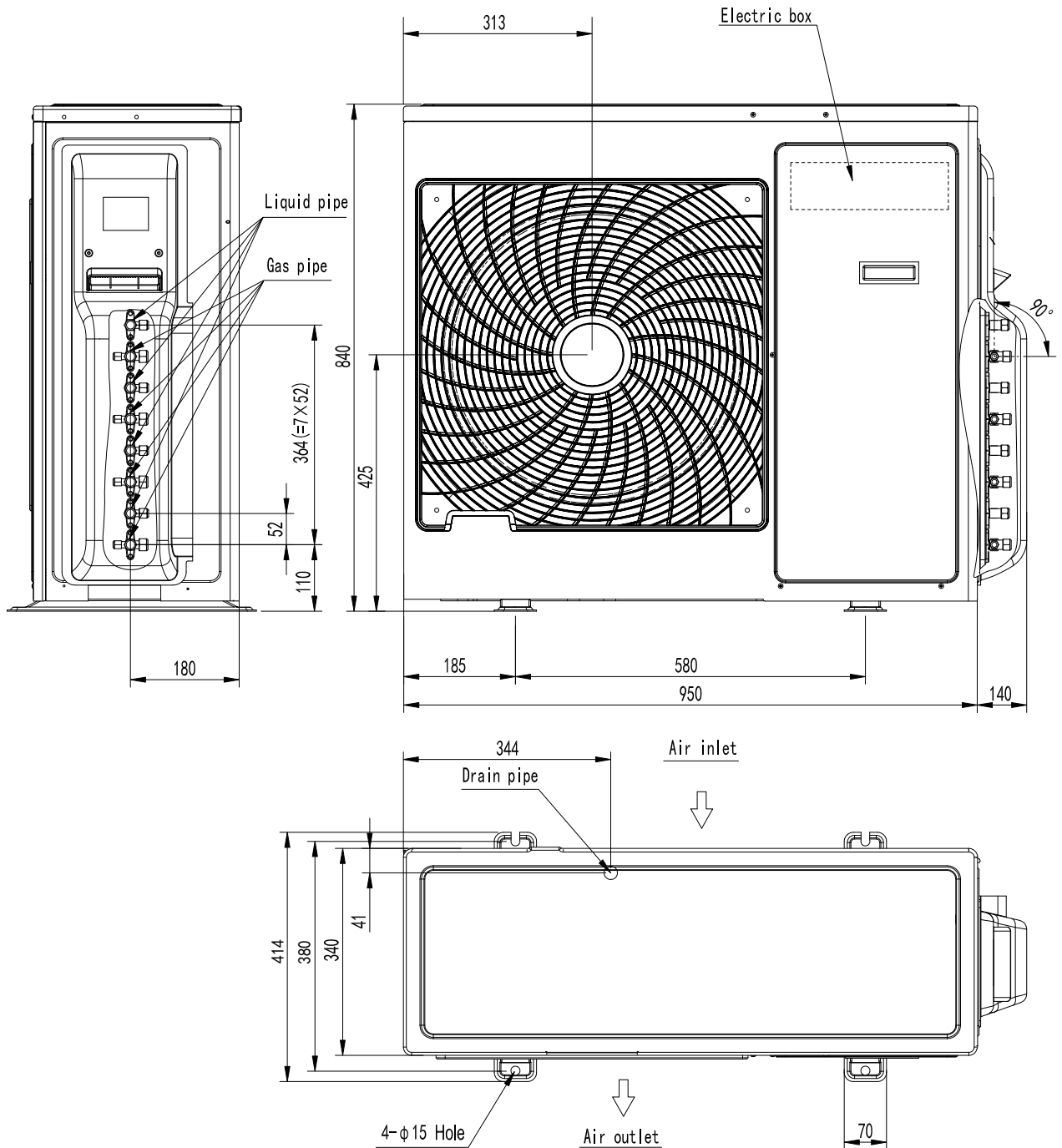
Unit: (mm)



2. OUTLINES AND DIMENSIONS

36K

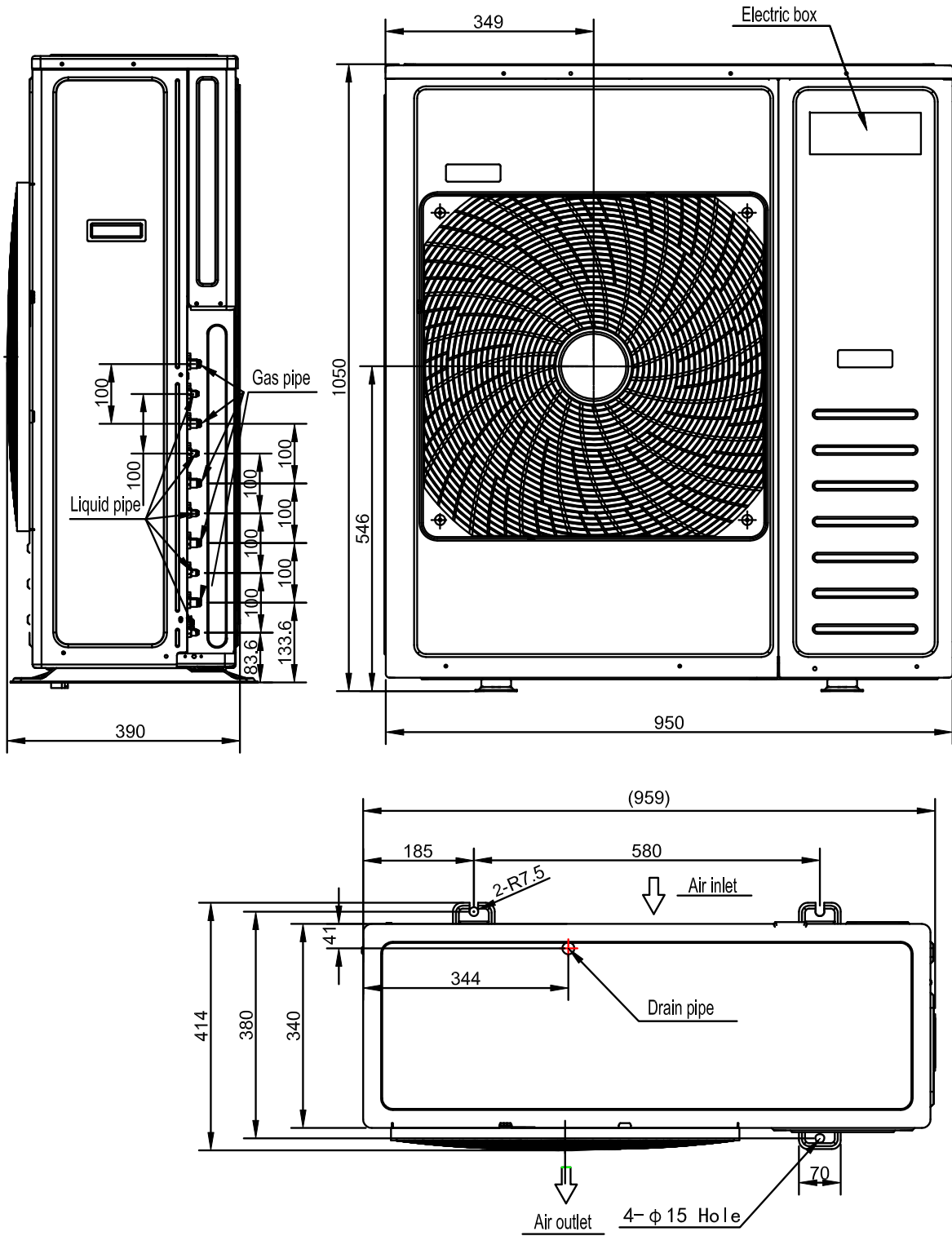
Unit: (mm)



2. OUTLINES AND DIMENSIONS

42K

Unit: (mm)

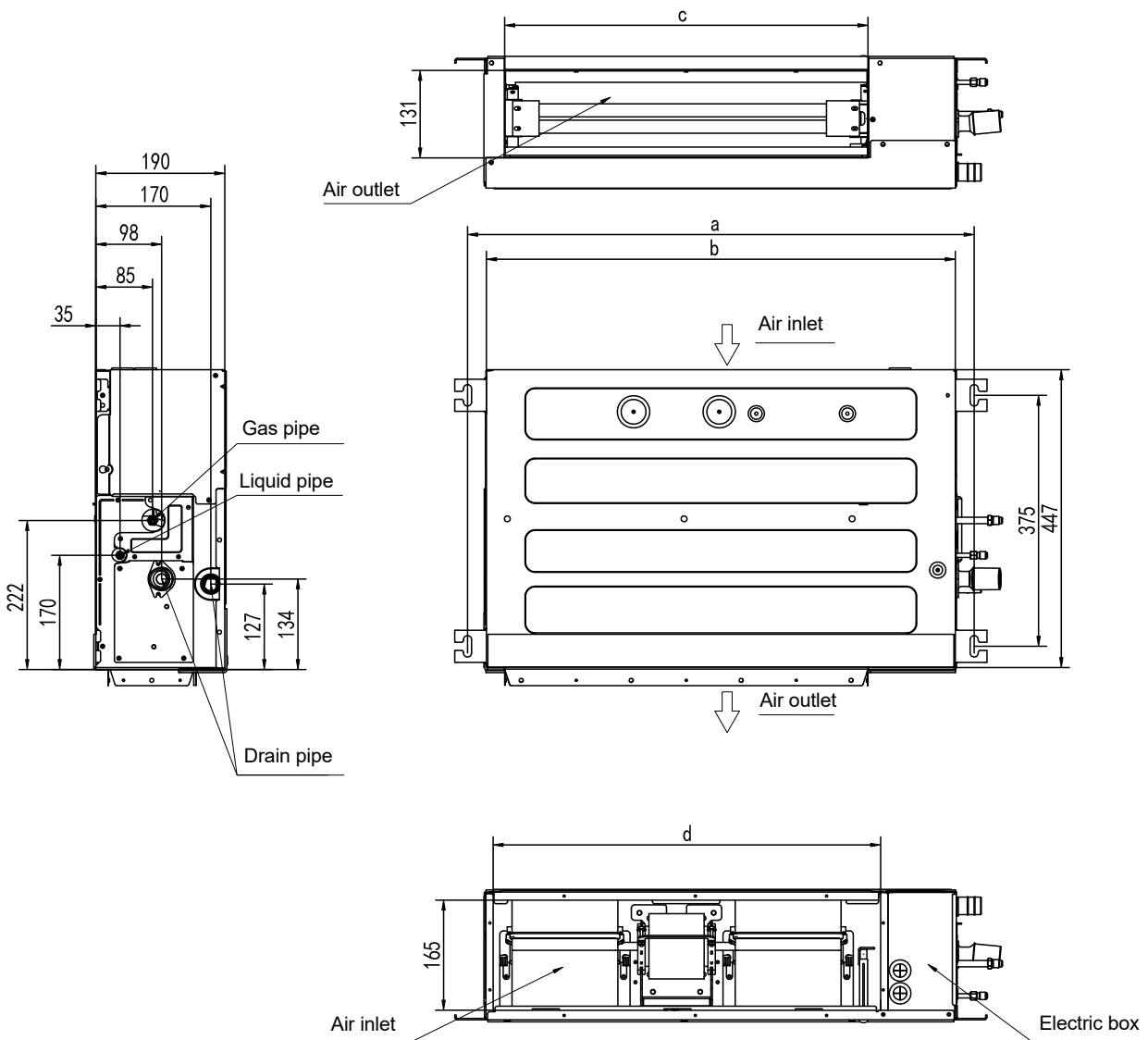


2. OUTLINES AND DIMENSIONS

Indoor units

Duct

Unit: mm



Model (Btu/h)	a	b	c	d
9K	751	700	539	575
12K	961	910	749	786
18K/24K	1231	1180	1019	1056

3. ELECTRICAL DATA

3. Electrical data

Model	Power supply			Applicable voltage		ELB	
	Voltage(V)	PH	Frequency	Umin(V)	Umax(V)	Nominal Current(A)	Nominal Sensitive Current(mA)
18K	220-240	1	50	176	253	20	30
24K/27K/36K	220-240	1	50	176	253	32	30
42K	220-240	1	50	176	253	50	30

NOTE:

1. The above compressor data is based on 100% capacity combination of indoor units at the rated operating frequency.
2. This data is based on the same conditions as the nominal cooling capacities.

4. CAPACITIES AND SELECTION DATA

4. Capacities and selection data

4.1 Capacity characteristic charts

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

Conditions:

- ① Pipe length/height difference: 5m / 0m
- ② Compressor at rated inverter frequency
- ③ Indoor fan speed at high fan speed
- ④ Capacity loss due to white frost and defrost operation is not included.

4. CAPACITIES AND SELECTION DATA

18K

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
130%	21	18	5.13	3.08	0.60	907	5.08	3.05	0.60	915	5.02	3.01	0.60	924	4.96	2.98	0.60	931	4.91	2.95	0.60	936	4.86	2.91	0.60	967	4.79	2.87	0.60	1010	4.71	2.82	0.60	1079	4.60	2.76	0.60	1129	4.46	2.68	0.60	1171	4.10	2.46	0.60	1244	3.38	2.03	0.60	1292
	21	20	5.34	2.56	0.48	931	5.29	2.54	0.48	939	5.23	2.51	0.48	947	5.16	2.48	0.48	955	5.11	2.45	0.48	960	5.06	2.43	0.48	991	4.99	2.39	0.48	1034	4.90	2.35	0.48	1102	4.79	2.30	0.48	1152	4.65	2.23	0.48	1195	4.26	2.05	0.48	1268	3.52	1.69	0.48	1316
	22	18	5.29	3.39	0.64	916	5.24	3.35	0.64	925	5.18	3.32	0.64	933	5.11	3.27	0.64	941	5.06	3.24	0.64	945	5.01	3.20	0.64	977	4.94	3.16	0.64	1020	4.85	3.10	0.64	1090	4.74	3.03	0.64	1140	4.60	2.94	0.64	1183	4.22	2.70	0.64	1257	3.48	2.23	0.64	1305
	22	20	5.45	2.83	0.52	940	5.40	2.81	0.52	948	5.34	2.78	0.52	957	5.27	2.74	0.52	964	5.22	2.71	0.52	969	5.16	2.68	0.52	1001	5.09	2.65	0.52	1044	5.00	2.60	0.52	1113	4.88	2.54	0.52	1164	4.74	2.47	0.52	1207	4.35	2.26	0.52	1281	3.59	1.87	0.52	1329
	22	22	5.54	2.22	0.40	956	5.49	2.20	0.40	965	5.43	2.17	0.40	973	5.36	2.14	0.40	981	5.31	2.12	0.40	985	5.25	2.10	0.40	1017	5.18	2.07	0.40	1060	5.08	2.03	0.40	1129	4.97	1.99	0.40	1180	4.82	1.93	0.40	1223	4.43	1.77	0.40	1297	3.65	1.46	0.40	1345
	23	18	5.40	3.67	0.68	925	5.34	3.63	0.68	934	5.29	3.59	0.68	943	5.22	3.55	0.68	950	5.17	3.51	0.68	955	5.11	3.47	0.68	987	5.04	3.43	0.68	1031	4.95	3.37	0.68	1101	4.83	3.29	0.68	1152	4.69	3.19	0.68	1195	4.31	2.93	0.68	1270	3.55	2.42	0.68	1318
	23	20	5.56	3.12	0.56	949	5.51	3.08	0.56	958	5.45	3.05	0.56	967	5.38	3.01	0.56	974	5.32	2.98	0.56	979	5.27	2.95	0.56	1011	5.19	2.91	0.56	1055	5.10	2.86	0.56	1125	4.98	2.79	0.56	1176	4.84	2.71	0.56	1219	4.44	2.49	0.56	1294	3.66	2.05	0.56	1342
	23	22	5.66	2.49	0.44	966	5.60	2.46	0.44	974	5.54	2.44	0.44	983	5.47	2.41	0.44	991	5.41	2.38	0.44	995	5.36	2.36	0.44	1027	5.28	2.32	0.44	1071	5.19	2.28	0.44	1141	5.07	2.23	0.44	1192	4.92	2.16	0.44	1235	4.52	1.99	0.44	1310	3.73	1.64	0.44	1359
	24	18	5.51	3.97	0.72	935	5.45	3.93	0.72	943	5.39	3.88	0.72	952	5.32	3.83	0.72	960	5.27	3.80	0.72	965	5.21	3.75	0.72	997	5.14	3.70	0.72	1041	5.05	3.64	0.72	1112	4.93	3.55	0.72	1163	4.79	3.45	0.72	1207	4.40	3.17	0.72	1282	3.63	2.61	0.72	1332
	24	20	5.68	3.41	0.60	959	5.62	3.37	0.60	968	5.56	3.34	0.60	976	5.49	3.29	0.60	984	5.43	3.26	0.60	989	5.37	3.22	0.60	1021	5.30	3.18	0.60	1065	5.21	3.12	0.60	1136	5.08	3.05	0.60	1188	4.94	2.96	0.60	1231	4.53	2.72	0.60	1307	3.74	2.24	0.60	1356
	24	22	5.77	2.77	0.48	976	5.72	2.74	0.48	984	5.65	2.71	0.48	993	5.58	2.68	0.48	1001	5.53	2.65	0.48	1005	5.47	2.62	0.48	1038	5.39	2.59	0.48	1082	5.29	2.54	0.48	1152	5.17	2.48	0.48	1204	5.02	2.41	0.48	1248	4.61	2.21	0.48	1323	3.80	1.82	0.48	1372
	24	24	5.85	2.11	0.36	995	5.80	2.09	0.36	1004	5.73	2.06	0.36	1012	5.66	2.04	0.36	1020	5.60	2.02	0.36	1025	5.54	2.00	0.36	1057	5.47	1.97	0.36	1101	5.37	1.93	0.36	1164	5.24	1.89	0.36	1223	5.09	1.83	0.36	1267	4.67	1.68	0.36	1343	3.85	1.39	0.36	1392
	25	18	5.68	4.32	0.76	944	5.62	4.27	0.76	953	5.56	4.23	0.76	962	5.49	4.17	0.76	969	5.43	4.13	0.76	974	5.38	4.09	0.76	1007	5.30	4.03	0.76	1052	5.21	3.96	0.76	1123	5.09	3.87	0.76	1175	4.94	3.75	0.76	1219	4.53	3.44	0.76	1295	3.74	2.84	0.76	1345
	25	20	5.85	3.75	0.64	969	5.79	3.71	0.64	977	5.73	3.67	0.64	986	5.66	3.62	0.64	994	5.60	3.58	0.64	999	5.54	3.55	0.64	1031	5.46	3.50	0.64	1076	5.37	3.43	0.64	1147	5.24	3.35	0.64	1200	5.09	3.26	0.64	1244	4.67	2.99	0.64	1320	3.85	2.47	0.64	1370
	25	22	5.95	3.09	0.52	985	5.89	3.06	0.52	994	5.83	3.03	0.52	1003	5.75	2.99	0.52	1011	5.70	2.96	0.52	1016	5.63	2.93	0.52	1048	5.56	2.89	0.52	1093	5.46	2.84	0.52	1164	5.33	2.77	0.52	1216	5.18	2.69	0.52	1260	4.75	2.47	0.52	1337	3.92	2.04	0.52	1386
	25	24	6.03	2.41	0.40	1005	5.97	2.39	0.40	1014	5.91	2.36	0.40	1022	5.83	2.33	0.40	1030	5.78	2.31	0.40	1035	5.71	2.29	0.40	1068	5.63	2.25	0.40	1112	5.53	2.21	0.40	1184	5.40	2.16	0.40	1236	5.25	2.10	0.40	1280	4.82	1.93	0.40	1356	3.97	1.59	0.40	1406
	26	18	5.85	4.68	0.80	954	5.80	4.64	0.80	963	5.73	4.59	0.80	971	5.66	4.53	0.80	979	5.60	4.48	0.80	984	5.54	4.43	0.80	1017	5.47	4.37	0.80	1062	5.37	4.29	0.80	1134	5.24	4.19	0.80	1187	5.09	4.07	0.80	1232	4.67	3.74	0.80	1309	3.86	3.08	0.80	1359
	26	20	6.03	4.10	0.68	979	5.97	4.06	0.68	987	5.91	4.02	0.68	996	5.83	3.97	0.68	1004	5.77	3.93	0.68	1009	5.71	3.88	0.68	1042	5.63	3.83	0.68	1087	5.53	3.76	0.68	1159	5.40	3.67	0.68	1212	5.25	3.57	0.68	1256	4.82	3.27	0.68	1333	3.97	2.70	0.68	1383
	26	22	6.14	3.44	0.56	995	6.07	3.40	0.56	1004	6.01	3.36	0.56	1013	5.93	3.32	0.56	1021	5.87	3.29	0.56	1026	5.81	3.25	0.56	1059	5.73	3.21	0.56	1104	5.63	3.15	0.56	1176	5.50	3.08	0.56	1228	5.34	2.99	0.56	1273	4.90	2.74	0.56	1350	4.04	2.26	0.56	1400
	26	24	6.22	2.74	0.44	1015	6.16	2.71	0.44	1024	6.09	2.68	0.44	1033	6.01	2.65	0.44	1041	5.95	2.62	0.44	1046	5.89	2.59	0.44	1078	5.81	2.56	0.44	1124	5.71	2.51	0.44	1196	5.57	2.45	0.44	1248	5.41	2.38	0.44	1293	4.97	2.19	0.44	1370	4.10	1.80	0.44	1420
	26	26	6.32	2.02	0.32	1038	6.26	2.00	0.32	1047	6.19	1.98	0.32	1056	6.11	1.96	0.32	1063	6.05	1.94	0.32	1068	5.98	1.91	0.32	1101	5.90	1.89	0.32	1146	5.80	1.86	0.32	1218	5.66	1.81	0.32	1271	5.50	1.76	0.32	1316	5.05	1.61	0.32	1393	4.16	1.33	0.32	1443
	27	18	5.97	5.02	0.84	963	5.91	4.97	0.84	972	5.85	4.91	0.84	981	5.77	4.85	0.84	989	5.72	4.80	0.84	994	5.65	4.75	0.84	1027	5.58	4.68	0.84	1073	5.48	4.60	0.84	1146	5.35	4.49	0.84	1199	5.19	4.36	0.84	1244	4.77	4.01	0.84	1322	3.93	3.30	0.84	1372
	27	19	6.09	4.75	0.78	973	6.03	4.71	0.78	982	5.97	4.66	0.78	991	5.89	4.60	0.78	999	5.83	4.55	0.78	1004	5.77	4.50	0.78	1037	5.69	4.44	0.78	1083	5.59	4.36	0.78	1156	5.46	4.26	0.78	1209	5.30	4.13	0.78	1254	4.87	3.80	0.78	1332	4.01	3.13	0.78	1382
	27	20	6.16	4.43	0.72	988	6.09	4.39	0.72	997	6.03	4.34	0.72	1006	5.95	4.28	0.72	1014	5.89	4.24	0.72	1019	5.83	4.20	0.72	1052	5.75	4.14	0.72	1098	5.65	4.07	0.72	1171	5.51	3.97	0.72	1224	5.35	3.85	0.72	1269	4.91	3.54	0.72	1347	4.05	2.92	0.72	1397
	27	22	6.26	3.76	0.60	1005	6.20	3.72	0.60	1014	6.13	3.68	0.60	1023	6.05	3.63	0.60	1031	5.99	3.60	0.60	1036	5.93	3.56	0.60	1069	5.85	3.51	0.60	1115	5.74	3.45	0.60	1188	5.61	3.36	0.60	1241	5.44	3.27	0.60	1286	5.00	3.00	0.60	1364	4.12	2.47	0.60	1414
	27	24	6.35	3.05	0.48	1025	6.29	3.02	0.48	1034	6.22	2.98	0.48	1043	6.14	2.95	0.48	1051	6.08	2.92	0.48	1056	6.01	2.88	0.48	1089	5.93	2.85	0.48	1135	5.82	2.79	0.48	1208	5.69	2.73	0.48	1261	5.52	2.65	0.48	1306	5.07	2.43	0.48	1384	4.18	2.01	0.48	1434
	27	26	6.45																																															

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
120%	21	18	5.08	3.05	0.60	898	5.03	3.02	0.60	907	4.98	2.99	0.60	915	4.91	2.95	0.60	922	4.86	2.92	0.60	927	4.81	2.89	0.60	938	4.75	2.85	0.60	1000	4.66	2.80	0.60	1068	4.55	2.73	0.60	1118	4.42	2.65	0.60	1160	4.06	2.43	0.60	1232	3.35	2.01	0.60	1280
	21	20	5.29	2.54	0.48	922	5.24	2.51	0.48	930	5.18	2.49	0.48	938	5.12	2.46	0.48	946	5.07	2.43	0.48	950	5.01	2.40	0.48	981	4.94	2.37	0.48	1024	4.85	2.33	0.48	1092	4.74	2.28	0.48	1141	4.60	2.21	0.48	1183	4.22	2.03	0.48	1256	3.49	1.67	0.48	1303
	22	18	5.24	3.35	0.64	907	5.19	3.32	0.64	916	5.13	3.28	0.64	924	5.07	3.24	0.64	932	5.02	3.21	0.64	936	4.96	3.17	0.64	968	4.89	3.13	0.64	1010	4.81	3.08	0.64	1079	4.69	3.00	0.64	1129	4.56	2.92	0.64	1172	4.18	2.68	0.64	1245	3.45	2.21	0.64	1293
	22	20	5.40	2.81	0.52	931	5.35	2.78	0.52	939	5.29	2.75	0.52	948	5.22	2.71	0.52	955	5.17	2.69	0.52	960	5.11	2.66	0.52	991	5.04	2.62	0.52	1034	4.95	2.58	0.52	1103	4.84	2.52	0.52	1153	4.70	2.44	0.52	1195	4.31	2.24	0.52	1269	3.56	1.85	0.52	1316
	22	22	5.49	2.20	0.40	947	5.44	2.17	0.40	956	5.38	2.15	0.40	964	5.31	2.12	0.40	972	5.26	2.10	0.40	976	5.20	2.08	0.40	1008	5.13	2.05	0.40	1050	5.04	2.01	0.40	1119	4.92	1.97	0.40	1169	4.78	1.91	0.40	1212	4.38	1.75	0.40	1285	3.62	1.45	0.40	1332
	23	18	5.35	3.64	0.68	916	5.29	3.60	0.68	925	5.24	3.56	0.68	933	5.17	3.51	0.68	941	5.12	3.48	0.68	946	5.06	3.44	0.68	977	4.99	3.39	0.68	1021	4.90	3.33	0.68	1090	4.79	3.26	0.68	1141	4.65	3.16	0.68	1183	4.27	2.90	0.68	1257	3.52	2.39	0.68	1306
	23	20	5.51	3.09	0.56	941	5.46	3.06	0.56	949	5.40	3.02	0.56	957	5.33	2.98	0.56	965	5.27	2.95	0.56	970	5.22	2.92	0.56	1001	5.14	2.88	0.56	1045	5.05	2.83	0.56	1114	4.94	2.76	0.56	1165	4.79	2.68	0.56	1207	4.40	2.46	0.56	1281	3.63	2.03	0.56	1330
	23	22	5.60	2.47	0.44	957	5.55	2.44	0.44	965	5.49	2.41	0.44	974	5.42	2.38	0.44	981	5.36	2.36	0.44	986	5.31	2.33	0.44	1018	5.23	2.30	0.44	1061	5.14	2.26	0.44	1130	5.02	2.21	0.44	1181	4.87	2.14	0.44	1224	4.47	1.97	0.44	1298	3.69	1.62	0.44	1346
	24	18	5.46	3.93	0.72	926	5.40	3.89	0.72	934	5.34	3.85	0.72	943	5.27	3.80	0.72	951	5.22	3.76	0.72	955	5.17	3.72	0.72	987	5.09	3.67	0.72	1031	5.00	3.60	0.72	1101	4.89	3.52	0.72	1152	4.74	3.42	0.72	1195	4.36	3.14	0.72	1270	3.59	2.59	0.72	1319
	24	20	5.62	3.37	0.60	950	5.57	3.34	0.60	959	5.51	3.30	0.60	967	5.44	3.26	0.60	975	5.38	3.23	0.60	980	5.32	3.19	0.60	1011	5.25	3.15	0.60	1055	5.16	3.09	0.60	1125	5.04	3.02	0.60	1176	4.89	2.93	0.60	1220	4.49	2.69	0.60	1294	3.70	2.22	0.60	1343
	24	22	5.72	2.74	0.48	967	5.66	2.72	0.48	975	5.60	2.69	0.48	984	5.53	2.65	0.48	991	5.47	2.63	0.48	996	5.41	2.60	0.48	1028	5.34	2.56	0.48	1072	5.24	2.52	0.48	1142	5.12	2.46	0.48	1193	4.97	2.39	0.48	1236	4.56	2.19	0.48	1311	3.77	1.81	0.48	1360
	24	24	5.80	2.09	0.36	986	5.74	2.07	0.36	994	5.68	2.04	0.36	1003	5.61	2.02	0.36	1011	5.55	2.00	0.36	1015	5.49	1.98	0.36	1047	5.41	1.95	0.36	1091	5.32	1.91	0.36	1161	5.19	1.87	0.36	1212	5.04	1.82	0.36	1256	4.63	1.67	0.36	1330	3.82	1.37	0.36	1379
	25	18	5.62	4.27	0.76	935	5.57	4.23	0.76	944	5.51	4.19	0.76	952	5.44	4.13	0.76	960	5.38	4.09	0.76	965	5.32	4.05	0.76	997	5.25	3.99	0.76	1041	5.16	3.92	0.76	1112	5.04	3.83	0.76	1164	4.89	3.72	0.76	1207	4.49	3.41	0.76	1283	3.70	2.82	0.76	1332
	25	20	5.80	3.71	0.64	960	5.74	3.67	0.64	968	5.68	3.63	0.64	977	5.60	3.59	0.64	985	5.55	3.55	0.64	989	5.49	3.51	0.64	1022	5.41	3.46	0.64	1066	5.32	3.40	0.64	1137	5.19	3.32	0.64	1188	5.04	3.23	0.64	1232	4.63	2.96	0.64	1307	3.82	2.44	0.64	1357
	25	22	5.89	3.07	0.52	976	5.84	3.04	0.52	985	5.77	3.00	0.52	994	5.70	2.96	0.52	1001	5.64	2.93	0.52	1006	5.58	2.90	0.52	1038	5.50	2.86	0.52	1083	5.41	2.81	0.52	1153	5.28	2.75	0.52	1205	5.13	2.67	0.52	1249	4.71	2.45	0.52	1324	3.88	2.02	0.52	1373
	25	24	5.98	2.39	0.40	996	5.92	2.37	0.40	1004	5.85	2.34	0.40	1013	5.78	2.31	0.40	1021	5.72	2.29	0.40	1026	5.66	2.26	0.40	1058	5.58	2.23	0.40	1102	5.48	2.19	0.40	1173	5.35	2.14	0.40	1224	5.20	2.08	0.40	1268	4.77	1.91	0.40	1344	3.94	1.57	0.40	1393
	26	18	5.80	4.64	0.80	945	5.74	4.59	0.80	953	5.68	4.54	0.80	962	5.61	4.48	0.80	970	5.55	4.44	0.80	975	5.49	4.39	0.80	1007	5.41	4.33	0.80	1052	5.32	4.25	0.80	1123	5.19	4.15	0.80	1175	5.04	4.03	0.80	1220	4.63	3.70	0.80	1296	3.82	3.05	0.80	1346
	26	20	5.98	4.06	0.68	969	5.92	4.02	0.68	978	5.85	3.98	0.68	987	5.78	3.93	0.68	995	5.72	3.89	0.68	999	5.66	3.85	0.68	1032	5.58	3.79	0.68	1077	5.48	3.73	0.68	1148	5.35	3.64	0.68	1200	5.20	3.53	0.68	1244	4.77	3.24	0.68	1321	3.94	2.68	0.68	1370
	26	22	6.08	3.40	0.56	986	6.02	3.37	0.56	995	5.95	3.33	0.56	1004	5.88	3.29	0.56	1011	5.82	3.26	0.56	1016	5.75	3.22	0.56	1049	5.67	3.18	0.56	1093	5.57	3.12	0.56	1165	5.44	3.05	0.56	1217	5.28	2.96	0.56	1261	4.85	2.72	0.56	1337	4.00	2.24	0.56	1387
	26	24	6.16	2.71	0.44	1006	6.10	2.68	0.44	1015	6.03	2.66	0.44	1023	5.96	2.62	0.44	1031	5.90	2.60	0.44	1036	5.83	2.57	0.44	1069	5.75	2.53	0.44	1113	5.65	2.49	0.44	1185	5.52	2.43	0.44	1237	5.36	2.36	0.44	1281	4.92	2.16	0.44	1357	4.06	1.79	0.44	1407
	26	26	6.26	2.00	0.32	1029	6.20	1.98	0.32	1037	6.13	1.96	0.32	1046	6.05	1.94	0.32	1054	5.99	1.92	0.32	1059	5.93	1.90	0.32	1091	5.85	1.87	0.32	1136	5.74	1.84	0.32	1207	5.61	1.79	0.32	1260	5.44	1.74	0.32	1304	5.00	1.60	0.32	1380	4.12	1.32	0.32	1430
	27	18	5.92	4.97	0.84	954	5.86	4.92	0.84	963	5.79	4.87	0.84	972	5.72	4.80	0.84	980	5.66	4.76	0.84	985	5.60	4.71	0.84	1017	5.52	4.64	0.84	1062	5.43	4.56	0.84	1135	5.30	4.45	0.84	1187	5.15	4.32	0.84	1232	4.72	3.97	0.84	1309	3.90	3.27	0.84	1359
	27	19	6.04	4.71	0.78	964	5.98	4.66	0.78	973	5.91	4.61	0.78	982	5.84	4.55	0.78	990	5.78	4.51	0.78	995	5.72	4.46	0.78	1027	5.64	4.40	0.78	1072	5.54	4.32	0.78	1145	5.41	4.22	0.78	1197	5.25	4.10	0.78	1242	4.82	3.76	0.78	1319	3.98	3.10	0.78	1369
	27	20	6.10	4.39	0.72	979	6.04	4.35	0.72	988	5.97	4.30	0.72	997	5.89	4.24	0.72	1005	5.84	4.20	0.72	1010	5.77	4.16	0.72	1042	5.69	4.10	0.72	1087	5.59	4.03	0.72	1160	5.46	3.93	0.72	1212	5.30	3.82	0.72	1257	4.87	3.50	0.72	1334	4.02	2.89	0.72	1384
	27	22	6.20	3.72	0.60	996	6.14	3.68	0.60	1005	6.07	3.64	0.60	1014	6.00	3.60	0.60	1022	5.94	3.56	0.60	1027	5.87	3.52	0.60	1059	5.79	3.47	0.60	1104	5.69	3.41	0.60	1177	5.55	3.33	0.60	1229	5.39	3.24	0.60	1274	4.95	2.97	0.60	1351	4.08	2.45	0.60	1401
	27	24	6.29	3.02	0.48	1016	6.23	2.99	0.48	1025	6.16	2.96	0.48	1034	6.08	2.92	0.48	1042	6.02	2.89	0.48	1047	5.95	2.86	0.48	1079	5.87	2.82	0.48	1124	5.77	2.77	0.48	1197	5.63	2.70	0.48	1249	5.47	2.62	0.48	1294	5.02	2.41	0.48	1371	4.14	1.99	0.48	1421
	27	26	6.39	2.30	0.36	1039	6.33	2.28	0.36																																									

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
110%	21	18	4.99	2.99	0.60	889	4.94	2.96	0.60	898	4.88	2.93	0.60	906	4.82	2.89	0.60	913	4.77	2.86	0.60	918	4.72	2.83	0.60	949	4.65	2.79	0.60	991	4.57	2.74	0.60	1058	4.47	2.68	0.60	1107	4.34	2.60	0.60	1149	3.98	2.39	0.60	1220	3.28	1.97	0.60	1267
	21	20	5.19	2.49	0.48	913	5.14	2.47	0.48	921	5.08	2.44	0.48	929	5.02	2.41	0.48	937	4.97	2.39	0.48	941	4.91	2.36	0.48	972	4.85	2.33	0.48	1014	4.76	2.29	0.48	1081	4.65	2.23	0.48	1130	4.51	2.17	0.48	1172	4.14	1.99	0.48	1244	3.42	1.64	0.48	1291
	22	18	5.14	3.29	0.64	898	5.09	3.26	0.64	907	5.03	3.22	0.64	915	4.97	3.18	0.64	922	4.92	3.15	0.64	927	4.87	3.11	0.64	958	4.80	3.07	0.64	1001	4.71	3.02	0.64	1068	4.60	2.95	0.64	1118	4.47	2.86	0.64	1160	4.10	2.63	0.64	1233	3.38	2.17	0.64	1280
	22	20	5.30	2.75	0.52	922	5.24	2.73	0.52	930	5.19	2.70	0.52	939	5.12	2.66	0.52	946	5.07	2.64	0.52	951	5.02	2.61	0.52	982	4.95	2.57	0.52	1024	4.86	2.53	0.52	1092	4.74	2.47	0.52	1142	4.61	2.40	0.52	1184	4.23	2.20	0.52	1257	3.49	1.81	0.52	1304
	22	22	5.39	2.15	0.40	938	5.33	2.13	0.40	947	5.28	2.11	0.40	955	5.21	2.08	0.40	962	5.16	2.06	0.40	967	5.10	2.04	0.40	998	5.03	2.01	0.40	1041	4.94	1.98	0.40	1108	4.83	1.93	0.40	1158	4.68	1.87	0.40	1200	4.30	1.72	0.40	1273	3.55	1.42	0.40	1320
	23	18	5.24	3.57	0.68	908	5.19	3.53	0.68	916	5.14	3.49	0.68	924	5.07	3.45	0.68	932	5.02	3.41	0.68	937	4.97	3.38	0.68	968	4.90	3.33	0.68	1011	4.81	3.27	0.68	1079	4.70	3.19	0.68	1129	4.56	3.10	0.68	1172	4.19	2.85	0.68	1245	3.45	2.35	0.68	1293
	23	20	5.41	3.03	0.56	932	5.35	3.00	0.56	940	5.29	2.96	0.56	948	5.23	2.93	0.56	956	5.17	2.90	0.56	961	5.12	2.87	0.56	992	5.05	2.83	0.56	1035	4.96	2.78	0.56	1103	4.84	2.71	0.56	1153	4.70	2.63	0.56	1196	4.31	2.42	0.56	1269	3.56	1.99	0.56	1317
	23	22	5.50	2.42	0.44	948	5.44	2.39	0.44	956	5.38	2.37	0.44	965	5.31	2.34	0.44	972	5.26	2.32	0.44	977	5.20	2.29	0.44	1008	5.13	2.26	0.44	1051	5.04	2.22	0.44	1120	4.92	2.17	0.44	1170	4.78	2.10	0.44	1212	4.39	1.93	0.44	1286	3.62	1.59	0.44	1333
	24	18	5.35	3.85	0.72	917	5.30	3.81	0.72	925	5.24	3.77	0.72	934	5.17	3.73	0.72	941	5.12	3.69	0.72	946	5.07	3.65	0.72	978	5.00	3.60	0.72	1021	4.91	3.53	0.72	1090	4.79	3.45	0.72	1141	4.65	3.35	0.72	1184	4.27	3.08	0.72	1258	3.52	2.54	0.72	1306
	24	20	5.52	3.31	0.60	941	5.46	3.28	0.60	949	5.40	3.24	0.60	958	5.33	3.20	0.60	965	5.28	3.17	0.60	970	5.22	3.13	0.60	1002	5.15	3.09	0.60	1045	5.06	3.04	0.60	1114	4.94	2.96	0.60	1165	4.80	2.88	0.60	1208	4.40	2.64	0.60	1282	3.63	2.18	0.60	1330
	24	22	5.61	2.69	0.48	957	5.55	2.67	0.48	966	5.49	2.64	0.48	974	5.42	2.60	0.48	982	5.37	2.58	0.48	987	5.31	2.55	0.48	1018	5.24	2.51	0.48	1062	5.14	2.47	0.48	1131	5.02	2.41	0.48	1182	4.88	2.34	0.48	1225	4.48	2.15	0.48	1299	3.69	1.77	0.48	1347
	24	24	5.69	2.05	0.36	977	5.63	2.03	0.36	985	5.57	2.01	0.36	994	5.50	1.98	0.36	1001	5.44	1.96	0.36	1006	5.38	1.94	0.36	1038	5.31	1.91	0.36	1081	5.22	1.88	0.36	1150	5.09	1.83	0.36	1201	4.95	1.78	0.36	1244	4.54	1.63	0.36	1318	3.75	1.35	0.36	1366
	25	18	5.52	4.19	0.76	926	5.46	4.15	0.76	934	5.40	4.11	0.76	943	5.33	4.05	0.76	951	5.28	4.01	0.76	956	5.22	3.97	0.76	987	5.15	3.91	0.76	1031	5.06	3.85	0.76	1101	4.94	3.76	0.76	1152	4.80	3.65	0.76	1196	4.40	3.35	0.76	1270	3.63	2.76	0.76	1319
	25	20	5.69	3.64	0.64	950	5.63	3.60	0.64	959	5.57	3.56	0.64	968	5.50	3.52	0.64	975	5.44	3.48	0.64	980	5.38	3.45	0.64	1012	5.31	3.40	0.64	1056	5.22	3.34	0.64	1126	5.09	3.26	0.64	1177	4.94	3.16	0.64	1220	4.54	2.91	0.64	1295	3.74	2.40	0.64	1344
	25	22	5.78	3.01	0.52	967	5.73	2.98	0.52	976	5.66	2.94	0.52	984	5.59	2.91	0.52	992	5.54	2.88	0.52	997	5.47	2.85	0.52	1029	5.40	2.81	0.52	1072	5.30	2.76	0.52	1142	5.18	2.69	0.52	1193	5.03	2.61	0.52	1237	4.62	2.40	0.52	1312	3.81	1.98	0.52	1360
	25	24	5.86	2.35	0.40	987	5.81	2.32	0.40	995	5.74	2.30	0.40	1004	5.67	2.27	0.40	1012	5.61	2.25	0.40	1016	5.55	2.22	0.40	1048	5.47	2.19	0.40	1092	5.38	2.15	0.40	1162	5.25	2.10	0.40	1213	5.10	2.04	0.40	1256	4.68	1.87	0.40	1331	3.86	1.54	0.40	1380
	26	18	5.69	4.55	0.80	935	5.63	4.51	0.80	944	5.57	4.46	0.80	953	5.50	4.40	0.80	960	5.44	4.36	0.80	965	5.38	4.31	0.80	997	5.31	4.25	0.80	1042	5.22	4.17	0.80	1112	5.09	4.08	0.80	1164	4.95	3.96	0.80	1208	4.54	3.63	0.80	1283	3.75	3.00	0.80	1332
	26	20	5.86	3.99	0.68	960	5.80	3.95	0.68	969	5.74	3.90	0.68	977	5.67	3.85	0.68	985	5.61	3.82	0.68	990	5.55	3.77	0.68	1022	5.47	3.72	0.68	1066	5.38	3.66	0.68	1137	5.25	3.57	0.68	1189	5.10	3.47	0.68	1233	4.68	3.18	0.68	1308	3.86	2.63	0.68	1357
	26	22	5.96	3.34	0.56	977	5.90	3.31	0.56	985	5.84	3.27	0.56	994	5.76	3.23	0.56	1002	5.71	3.20	0.56	1007	5.64	3.16	0.56	1039	5.57	3.12	0.56	1083	5.47	3.06	0.56	1154	5.34	2.99	0.56	1206	5.18	2.90	0.56	1249	4.76	2.67	0.56	1325	3.93	2.20	0.56	1374
	26	24	6.04	2.66	0.44	997	5.99	2.63	0.44	1005	5.92	2.60	0.44	1014	5.84	2.57	0.44	1022	5.79	2.55	0.44	1027	5.72	2.52	0.44	1059	5.64	2.48	0.44	1103	5.54	2.44	0.44	1174	5.41	2.38	0.44	1225	5.26	2.31	0.44	1269	4.83	2.12	0.44	1345	3.98	1.75	0.44	1394
	26	26	6.14	1.97	0.32	1019	6.08	1.95	0.32	1028	6.01	1.92	0.32	1037	5.94	1.90	0.32	1044	5.88	1.88	0.32	1049	5.81	1.86	0.32	1082	5.73	1.84	0.32	1126	5.63	1.80	0.32	1196	5.50	1.76	0.32	1248	5.34	1.71	0.32	1292	4.90	1.57	0.32	1367	4.04	1.29	0.32	1417
	27	18	5.80	4.88	0.84	945	5.75	4.83	0.84	953	5.68	4.77	0.84	962	5.61	4.71	0.84	970	5.56	4.67	0.84	975	5.49	4.62	0.84	1008	5.42	4.55	0.84	1052	5.32	4.47	0.84	1124	5.20	4.37	0.84	1176	5.05	4.24	0.84	1220	4.63	3.89	0.84	1296	3.82	3.21	0.84	1346
	27	19	5.92	4.62	0.78	955	5.86	4.57	0.78	963	5.80	4.52	0.78	972	5.73	4.47	0.78	980	5.67	4.42	0.78	985	5.61	4.37	0.78	1018	5.53	4.31	0.78	1062	5.43	4.24	0.78	1134	5.30	4.14	0.78	1186	5.15	4.02	0.78	1230	4.73	3.69	0.78	1306	3.90	3.04	0.78	1356
	27	20	5.98	4.31	0.72	970	5.92	4.26	0.72	978	5.86	4.22	0.72	987	5.78	4.16	0.72	995	5.73	4.12	0.72	1000	5.66	4.08	0.72	1033	5.58	4.02	0.72	1077	5.49	3.95	0.72	1149	5.36	3.86	0.72	1201	5.20	3.75	0.72	1245	4.77	3.44	0.72	1321	3.94	2.84	0.72	1371
	27	22	6.08	3.65	0.60	987	6.02	3.61	0.60	995	5.96	3.57	0.60	1004	5.88	3.53	0.60	1012	5.82	3.49	0.60	1017	5.76	3.46	0.60	1050	5.68	3.41	0.60	1094	5.58	3.35	0.60	1166	5.45	3.27	0.60	1218	5.29	3.17	0.60	1262	4.86	2.91	0.60	1338	4.01	2.40	0.60	1388
	27	24	6.17	2.96	0.48	1007	6.11	2.93	0.48	1015	6.04	2.90	0.48	1024	5.96	2.86	0.48	1032	5.90	2.83	0.48	1037	5.84	2.80	0.48	1070	5.76	2.76	0.48	1114	5.66	2.72	0.48	1186	5.52	2.65	0.48	1238	5.36	2.57	0.48	1282	4.92	2.36	0.48	1358	4.06	1.95	0.48	1408
	27	26	6.27	2.26	0.36	1030	6.20	2.23	0.36	1038																																								

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
100%	21	18	4.84	2.90	0.60	868	4.79	2.88	0.60	876	4.74	2.84	0.60	884	4.68	2.81	0.60	891	4.63	2.78	0.60	895	4.58	2.75	0.60	925	4.52	2.71	0.60	966	4.44	2.66	0.60	1032	4.34	2.60	0.60	1080	4.21	2.53	0.60	1120	3.86	2.32	0.60	1190	3.19	1.91	0.60	1236
	21	20	5.04	2.42	0.48	891	4.99	2.40	0.48	899	4.94	2.37	0.48	907	4.87	2.34	0.48	914	4.82	2.32	0.48	919	4.77	2.29	0.48	949	4.71	2.26	0.48	990	4.62	2.22	0.48	1055	4.51	2.17	0.48	1103	4.38	2.10	0.48	1144	4.02	1.93	0.48	1214	3.32	1.59	0.48	1260
	22	18	4.99	3.19	0.64	876	4.94	3.16	0.64	884	4.89	3.13	0.64	892	4.82	3.09	0.64	900	4.78	3.06	0.64	904	4.72	3.02	0.64	935	4.66	2.98	0.64	976	4.58	2.93	0.64	1042	4.47	2.86	0.64	1091	4.34	2.78	0.64	1132	3.98	2.55	0.64	1202	3.29	2.10	0.64	1248
	22	20	5.14	2.67	0.52	900	5.09	2.65	0.52	908	5.04	2.62	0.52	916	4.97	2.59	0.52	924	4.92	2.56	0.52	928	4.87	2.53	0.52	958	4.80	2.50	0.52	1000	4.72	2.45	0.52	1066	4.61	2.40	0.52	1114	4.47	2.33	0.52	1155	4.11	2.13	0.52	1226	3.39	1.76	0.52	1272
	22	22	5.23	2.09	0.40	916	5.18	2.07	0.40	924	5.12	2.05	0.40	932	5.06	2.02	0.40	940	5.01	2.00	0.40	944	4.95	1.98	0.40	974	4.88	1.95	0.40	1016	4.80	1.92	0.40	1082	4.68	1.87	0.40	1131	4.55	1.82	0.40	1172	4.18	1.67	0.40	1242	3.44	1.38	0.40	1288
	23	18	5.09	3.46	0.68	885	5.04	3.43	0.68	893	4.99	3.39	0.68	902	4.92	3.35	0.68	909	4.87	3.31	0.68	913	4.82	3.28	0.68	944	4.75	3.23	0.68	986	4.67	3.18	0.68	1053	4.56	3.10	0.68	1102	4.43	3.01	0.68	1143	4.06	2.76	0.68	1215	3.35	2.28	0.68	1261
	23	20	5.25	2.94	0.56	909	5.20	2.91	0.56	917	5.14	2.88	0.56	926	5.07	2.84	0.56	933	5.02	2.81	0.56	937	4.97	2.78	0.56	968	4.90	2.74	0.56	1010	4.81	2.70	0.56	1077	4.70	2.63	0.56	1126	4.56	2.56	0.56	1167	4.19	2.35	0.56	1239	3.46	1.94	0.56	1285
	23	22	5.34	2.35	0.44	926	5.28	2.32	0.44	934	5.23	2.30	0.44	942	5.16	2.27	0.44	949	5.11	2.25	0.44	954	5.05	2.22	0.44	984	4.98	2.19	0.44	1026	4.89	2.15	0.44	1093	4.78	2.10	0.44	1142	4.64	2.04	0.44	1183	4.26	1.87	0.44	1255	3.51	1.55	0.44	1301
	24	18	5.20	3.74	0.72	894	5.14	3.70	0.72	902	5.09	3.66	0.72	911	5.02	3.62	0.72	918	4.97	3.58	0.72	923	4.92	3.54	0.72	954	4.85	3.49	0.72	996	4.77	3.43	0.72	1063	4.65	3.35	0.72	1113	4.52	3.25	0.72	1155	4.15	2.99	0.72	1227	3.42	2.46	0.72	1274
	24	20	5.35	3.21	0.60	918	5.30	3.18	0.60	927	5.24	3.15	0.60	935	5.18	3.11	0.60	942	5.13	3.08	0.60	947	5.07	3.04	0.60	978	5.00	3.00	0.60	1020	4.91	2.95	0.60	1088	4.80	2.88	0.60	1137	4.66	2.79	0.60	1179	4.27	2.56	0.60	1251	3.53	2.12	0.60	1298
	24	22	5.45	2.61	0.48	935	5.39	2.59	0.48	943	5.33	2.56	0.48	951	5.26	2.53	0.48	959	5.21	2.50	0.48	963	5.16	2.47	0.48	994	5.08	2.44	0.48	1037	4.99	2.40	0.48	1104	4.88	2.34	0.48	1153	4.74	2.27	0.48	1195	4.35	2.09	0.48	1268	3.59	1.72	0.48	1315
	24	24	5.52	1.99	0.36	954	5.47	1.97	0.36	962	5.41	1.95	0.36	971	5.34	1.92	0.36	978	5.29	1.90	0.36	983	5.23	1.88	0.36	1014	5.16	1.86	0.36	1056	5.06	1.82	0.36	1124	4.95	1.78	0.36	1173	4.80	1.73	0.36	1215	4.41	1.59	0.36	1287	3.64	1.31	0.36	1334
	25	18	5.36	4.07	0.76	903	5.30	4.03	0.76	911	5.25	3.99	0.76	920	5.18	3.94	0.76	927	5.13	3.90	0.76	932	5.07	3.85	0.76	963	5.00	3.80	0.76	1006	4.91	3.73	0.76	1074	4.80	3.65	0.76	1124	4.66	3.54	0.76	1166	4.28	3.25	0.76	1239	3.53	2.68	0.76	1287
	25	20	5.52	3.53	0.64	928	5.47	3.50	0.64	936	5.41	3.46	0.64	944	5.34	3.42	0.64	952	5.28	3.38	0.64	957	5.23	3.34	0.64	988	5.15	3.30	0.64	1030	5.06	3.24	0.64	1099	4.94	3.16	0.64	1148	4.80	3.07	0.64	1191	4.41	2.82	0.64	1264	3.64	2.33	0.64	1311
	25	22	5.61	2.92	0.52	944	5.56	2.89	0.52	953	5.50	2.86	0.52	961	5.43	2.82	0.52	968	5.37	2.79	0.52	973	5.32	2.76	0.52	1004	5.24	2.73	0.52	1047	5.15	2.68	0.52	1115	5.03	2.61	0.52	1165	4.88	2.54	0.52	1207	4.48	2.33	0.52	1280	3.70	1.92	0.52	1328
	25	24	5.69	2.28	0.40	964	5.64	2.25	0.40	972	5.58	2.23	0.40	981	5.50	2.20	0.40	988	5.45	2.18	0.40	993	5.39	2.16	0.40	1024	5.32	2.13	0.40	1067	5.22	2.09	0.40	1135	5.10	2.04	0.40	1185	4.95	1.98	0.40	1227	4.54	1.82	0.40	1300	3.75	1.50	0.40	1347
	26	18	5.52	4.42	0.80	912	5.47	4.37	0.80	921	5.41	4.33	0.80	929	5.34	4.27	0.80	937	5.29	4.23	0.80	941	5.23	4.18	0.80	973	5.16	4.12	0.80	1016	5.06	4.05	0.80	1085	4.95	3.96	0.80	1135	4.80	3.84	0.80	1178	4.41	3.53	0.80	1252	3.64	2.91	0.80	1300
	26	20	5.69	3.87	0.68	937	5.63	3.83	0.68	945	5.57	3.79	0.68	954	5.50	3.74	0.68	961	5.45	3.70	0.68	966	5.39	3.66	0.68	998	5.31	3.61	0.68	1041	5.22	3.55	0.68	1110	5.10	3.47	0.68	1160	4.95	3.37	0.68	1203	4.54	3.09	0.68	1277	3.75	2.55	0.68	1324
	26	22	5.79	3.24	0.56	954	5.73	3.21	0.56	962	5.67	3.17	0.56	971	5.60	3.13	0.56	978	5.54	3.10	0.56	983	5.48	3.07	0.56	1014	5.40	3.03	0.56	1058	5.31	2.97	0.56	1127	5.18	2.90	0.56	1177	5.03	2.82	0.56	1220	4.62	2.59	0.56	1293	3.81	2.13	0.56	1341
	26	24	5.87	2.58	0.44	974	5.81	2.56	0.44	982	5.75	2.53	0.44	990	5.67	2.50	0.44	998	5.62	2.47	0.44	1003	5.56	2.44	0.44	1034	5.48	2.41	0.44	1077	5.38	2.37	0.44	1146	5.26	2.31	0.44	1197	5.10	2.25	0.44	1239	4.69	2.06	0.44	1313	3.87	1.70	0.44	1361
	26	26	5.96	1.91	0.32	996	5.90	1.89	0.32	1005	5.84	1.87	0.32	1013	5.76	1.84	0.32	1021	5.71	1.83	0.32	1026	5.65	1.81	0.32	1057	5.57	1.78	0.32	1100	5.47	1.73	0.32	1169	5.34	1.71	0.32	1219	5.19	1.66	0.32	1262	4.76	1.52	0.32	1336	3.93	1.26	0.32	1384
	27	18	5.63	4.73	0.84	921	5.58	4.69	0.84	930	5.52	4.64	0.84	938	5.45	4.58	0.84	946	5.39	4.53	0.84	951	5.33	4.48	0.84	983	5.26	4.42	0.84	1026	5.17	4.34	0.84	1096	5.05	4.24	0.84	1147	4.90	4.12	0.84	1190	4.50	3.78	0.84	1264	3.71	3.12	0.84	1313
	27	19	5.75	4.48	0.78	931	5.69	4.44	0.78	940	5.63	4.39	0.78	948	5.56	4.34	0.78	956	5.50	4.29	0.78	961	5.44	4.25	0.78	993	5.37	4.19	0.78	1036	5.27	4.11	0.78	1106	5.15	4.02	0.78	1157	5.00	3.90	0.78	1200	4.59	3.58	0.78	1274	3.79	2.95	0.78	1323
	27	20	5.81	4.18	0.72	946	5.75	4.14	0.72	955	5.69	4.09	0.72	963	5.61	4.04	0.72	971	5.56	4.00	0.72	976	5.50	3.96	0.72	1008	5.42	3.90	0.72	1051	5.33	3.83	0.72	1121	5.20	3.75	0.72	1172	5.05	3.64	0.72	1215	4.64	3.34	0.72	1289	3.82	2.75	0.72	1338
	27	22	5.91	3.54	0.60	963	5.85	3.51	0.60	972	5.78	3.47	0.60	980	5.71	3.43	0.60	988	5.65	3.39	0.60	993	5.59	3.35	0.60	1025	5.51	3.31	0.60	1068	5.42	3.25	0.60	1138	5.29	3.17	0.60	1189	5.14	3.08	0.60	1232	4.71	2.83	0.60	1306	3.89	2.33	0.60	1355
	27	24	5.99	2.87	0.48	983	5.93	2.85	0.48	992	5.86	2.82	0.48	1000	5.79	2.78	0.48	1008	5.73	2.75	0.48	1013	5.67	2.72	0.48	1045	5.59	2.68	0.48	1088	5.49	2.64	0.48	1158	5.36	2.57	0.48	1209	5.21	2.50	0.48	1252	4.78	2.29	0.48	1326	3.94	1.89	0.48	1375
	27	26	6.08	2.19	0.36	1006	6.02	2.17	0.36	1015	5.96	2.15	0.36	1																																				

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
90%	21	18	4.74	2.85	0.60	859	4.70	2.82	0.60	867	4.65	2.79	0.60	875	4.59	2.75	0.60	882	4.54	2.72	0.60	886	4.49	2.69	0.60	916	4.43	2.66	0.60	956	4.35	2.61	0.60	1021	4.25	2.55	0.60	1069	4.12	2.47	0.60	1109	3.79	2.27	0.60	1178	3.12	1.87	0.60	1224
	21	20	4.94	2.37	0.48	882	4.89	2.35	0.48	890	4.84	2.32	0.48	898	4.77	2.29	0.48	905	4.73	2.27	0.48	910	4.68	2.24	0.48	939	4.61	2.21	0.48	980	4.53	2.17	0.48	1045	4.42	2.12	0.48	1092	4.30	2.06	0.48	1133	3.94	1.89	0.48	1202	3.25	1.56	0.48	1247
	22	18	4.89	3.13	0.64	867	4.84	3.10	0.64	875	4.79	3.06	0.64	883	4.73	3.03	0.64	891	4.68	3.00	0.64	895	4.63	2.96	0.64	925	4.57	2.92	0.64	966	4.49	2.87	0.64	1032	4.38	2.80	0.64	1080	4.25	2.72	0.64	1120	3.90	2.50	0.64	1190	3.22	2.06	0.64	1236
	22	20	5.04	2.62	0.52	891	4.99	2.59	0.52	899	4.94	2.57	0.52	907	4.87	2.53	0.52	914	4.82	2.50	0.52	919	4.77	2.48	0.52	949	4.71	2.45	0.52	990	4.62	2.40	0.52	1055	4.51	2.35	0.52	1103	4.38	2.28	0.52	1144	4.02	2.09	0.52	1214	3.32	1.73	0.52	1260
	22	22	5.13	2.05	0.40	907	5.07	2.03	0.40	915	5.02	2.01	0.40	923	4.96	1.98	0.40	931	4.91	1.96	0.40	935	4.85	1.94	0.40	965	4.79	1.91	0.40	1006	4.70	1.88	0.40	1072	4.59	1.84	0.40	1120	4.46	1.78	0.40	1160	4.09	1.64	0.40	1230	3.38	1.35	0.40	1276
	23	18	4.99	3.39	0.68	876	4.94	3.36	0.68	884	4.89	3.32	0.68	892	4.82	3.28	0.68	900	4.78	3.25	0.68	904	4.72	3.21	0.68	934	4.66	3.17	0.68	976	4.58	3.11	0.68	1042	4.47	3.04	0.68	1090	4.34	2.95	0.68	1132	3.98	2.71	0.68	1202	3.29	2.23	0.68	1248
	23	20	5.14	2.88	0.56	900	5.09	2.85	0.56	908	5.04	2.82	0.56	916	4.97	2.78	0.56	924	4.92	2.76	0.56	928	4.87	2.73	0.56	958	4.80	2.69	0.56	1000	4.72	2.64	0.56	1066	4.61	2.58	0.56	1115	4.47	2.50	0.56	1156	4.11	2.30	0.56	1226	3.39	1.90	0.56	1272
	23	22	5.23	2.30	0.44	917	5.18	2.28	0.44	925	5.12	2.25	0.44	933	5.06	2.22	0.44	940	5.01	2.20	0.44	945	4.95	2.18	0.44	975	4.88	2.15	0.44	1016	4.80	2.11	0.44	1082	4.68	2.06	0.44	1131	4.55	2.00	0.44	1172	4.18	1.84	0.44	1243	3.44	1.52	0.44	1289
	24	18	5.09	3.67	0.72	885	5.04	3.63	0.72	893	4.99	3.59	0.72	901	4.92	3.54	0.72	909	4.87	3.51	0.72	913	4.82	3.47	0.72	944	4.75	3.42	0.72	986	4.67	3.36	0.72	1053	4.56	3.28	0.72	1102	4.43	3.19	0.72	1143	4.06	2.93	0.72	1214	3.35	2.41	0.72	1261
	24	20	5.25	3.15	0.60	909	5.20	3.12	0.60	917	5.14	3.08	0.60	926	5.07	3.04	0.60	933	5.02	3.01	0.60	938	4.97	2.98	0.60	968	4.90	2.94	0.60	1010	4.81	2.89	0.60	1077	4.70	2.82	0.60	1126	4.56	2.74	0.60	1167	4.19	2.51	0.60	1239	3.46	2.07	0.60	1285
	24	22	5.34	2.56	0.48	926	5.28	2.54	0.48	934	5.23	2.51	0.48	942	5.16	2.48	0.48	950	5.11	2.45	0.48	954	5.05	2.43	0.48	985	4.98	2.39	0.48	1026	4.89	2.35	0.48	1093	4.78	2.29	0.48	1142	4.64	2.23	0.48	1184	4.26	2.04	0.48	1255	3.51	1.69	0.48	1302
	24	24	5.41	1.95	0.36	945	5.36	1.93	0.36	953	5.30	1.91	0.36	962	5.23	1.88	0.36	969	5.18	1.86	0.36	974	5.12	1.84	0.36	1004	5.05	1.82	0.36	1046	4.96	1.79	0.36	1113	4.85	1.74	0.36	1162	4.71	1.69	0.36	1203	4.32	1.56	0.36	1275	3.56	1.28	0.36	1321
	25	18	5.25	3.99	0.76	894	5.20	3.95	0.76	902	5.14	3.91	0.76	911	5.07	3.86	0.76	918	5.02	3.82	0.76	923	4.97	3.78	0.76	953	4.90	3.72	0.76	996	4.81	3.66	0.76	1063	4.70	3.57	0.76	1113	4.56	3.47	0.76	1155	4.19	3.18	0.76	1227	3.46	2.63	0.76	1274
	25	20	5.41	3.46	0.64	919	5.36	3.43	0.64	927	5.30	3.39	0.64	935	5.23	3.35	0.64	942	5.18	3.31	0.64	947	5.12	3.28	0.64	978	5.05	3.23	0.64	1020	4.96	3.18	0.64	1088	4.85	3.10	0.64	1137	4.70	3.01	0.64	1179	4.32	2.76	0.64	1251	3.56	2.28	0.64	1298
	25	22	5.50	2.86	0.52	935	5.45	2.83	0.52	943	5.39	2.80	0.52	952	5.32	2.77	0.52	959	5.27	2.74	0.52	964	5.21	2.71	0.52	995	5.14	2.67	0.52	1037	5.05	2.62	0.52	1104	4.93	2.56	0.52	1154	4.78	2.49	0.52	1196	4.39	2.28	0.52	1268	3.62	1.88	0.52	1315
	25	24	5.58	2.23	0.40	955	5.52	2.21	0.40	963	5.46	2.19	0.40	971	5.39	2.16	0.40	979	5.34	2.14	0.40	983	5.28	2.11	0.40	1014	5.21	2.08	0.40	1056	5.12	2.05	0.40	1124	5.00	2.00	0.40	1173	4.85	1.94	0.40	1215	4.45	1.78	0.40	1288	3.67	1.47	0.40	1335
	26	18	5.41	4.33	0.80	903	5.36	4.29	0.80	911	5.30	4.24	0.80	920	5.23	4.19	0.80	927	5.18	4.14	0.80	932	5.12	4.10	0.80	963	5.05	4.04	0.80	1006	4.96	3.97	0.80	1074	4.85	3.88	0.80	1124	4.71	3.76	0.80	1166	4.32	3.46	0.80	1239	3.56	2.85	0.80	1287
	26	20	5.58	3.79	0.68	928	5.52	3.75	0.68	936	5.46	3.71	0.68	944	5.39	3.67	0.68	952	5.34	3.63	0.68	957	5.28	3.59	0.68	988	5.21	3.54	0.68	1030	5.12	3.48	0.68	1099	5.00	3.40	0.68	1149	4.85	3.30	0.68	1191	4.45	3.03	0.68	1264	3.67	2.50	0.68	1311
	26	22	5.67	3.18	0.56	945	5.62	3.14	0.56	953	5.55	3.11	0.56	961	5.48	3.07	0.56	969	5.43	3.04	0.56	973	5.37	3.01	0.56	1005	5.30	2.97	0.56	1047	5.20	2.91	0.56	1116	5.08	2.85	0.56	1165	4.93	2.76	0.56	1208	4.53	2.54	0.56	1281	3.74	2.09	0.56	1328
	26	24	5.75	2.53	0.44	964	5.69	2.51	0.44	973	5.63	2.48	0.44	981	5.56	2.45	0.44	989	5.51	2.42	0.44	993	5.45	2.40	0.44	1024	5.37	2.36	0.44	1067	5.28	2.32	0.44	1135	5.15	2.27	0.44	1185	5.00	2.20	0.44	1228	4.59	2.02	0.44	1301	3.79	1.67	0.44	1348
	26	26	5.84	1.87	0.32	987	5.79	1.85	0.32	995	5.72	1.83	0.32	1004	5.65	1.81	0.32	1011	5.59	1.79	0.32	1016	5.53	1.77	0.32	1047	5.46	1.75	0.32	1090	5.36	1.72	0.32	1158	5.23	1.67	0.32	1208	5.08	1.63	0.32	1250	4.66	1.49	0.32	1323	3.85	1.23	0.32	1371
	27	18	5.52	4.64	0.84	912	5.47	4.59	0.84	921	5.41	4.54	0.84	929	5.34	4.48	0.84	937	5.29	4.44	0.84	941	5.23	4.39	0.84	973	5.16	4.33	0.84	1016	5.06	4.25	0.84	1085	4.95	4.15	0.84	1135	4.80	4.03	0.84	1178	4.41	3.70	0.84	1252	3.64	3.05	0.84	1300
	27	19	5.63	4.40	0.78	922	5.58	4.35	0.78	931	5.52	4.30	0.78	939	5.45	4.25	0.78	947	5.39	4.21	0.78	951	5.33	4.16	0.78	983	5.26	4.10	0.78	1026	5.17	4.03	0.78	1095	5.05	3.94	0.78	1145	4.90	3.82	0.78	1188	4.50	3.51	0.78	1262	3.71	2.89	0.78	1310
	27	20	5.69	4.10	0.72	937	5.63	4.06	0.72	946	5.57	4.01	0.72	954	5.50	3.96	0.72	962	5.45	3.92	0.72	966	5.39	3.88	0.72	998	5.31	3.83	0.72	1041	5.22	3.76	0.72	1110	5.10	3.67	0.72	1160	4.95	3.56	0.72	1203	4.54	3.27	0.72	1277	3.75	2.70	0.72	1325
	27	22	5.79	3.47	0.60	954	5.73	3.44	0.60	963	5.67	3.40	0.60	971	5.60	3.36	0.60	979	5.54	3.32	0.60	983	5.48	3.29	0.60	1015	5.40	3.24	0.60	1058	5.31	3.19	0.60	1127	5.18	3.11	0.60	1177	5.03	3.02	0.60	1220	4.62	2.77	0.60	1294	3.81	2.29	0.60	1342
	27	24	5.87	2.82	0.48	974	5.81	2.79	0.48	983	5.75	2.76	0.48	991	5.67	2.72	0.48	999	5.62	2.70	0.48	1003	5.56	2.67	0.48	1035	5.48	2.63	0.48	1078	5.38	2.58	0.48	1147	5.26	2.52	0.48	1197	5.10	2.45	0.48	1240	4.69	2.25	0.48	1314	3.87	1.86	0.48	1362
	27	26	5.96	2.15	0.36	997	5.90	2.13	0.36	1006	5.84	2.10	0.36	1014	5.																																			

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW2-18U4RJC(AUS) CAPACITY: 5.0 kW SHF: 0.78 INPUT: 1200 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
80%	21	18	4.60	2.76	0.60	850	4.55	2.73	0.60	858	4.50	2.70	0.60	866	4.45	2.67	0.60	873	4.40	2.64	0.60	877	4.35	2.61	0.60	907	4.29	2.58	0.60	947	4.22	2.53	0.60	1011	4.12	2.47	0.60	1058	4.00	2.40	0.60	1098	3.67	2.20	0.60	1166	3.03	1.82	0.60	1211
	21	20	4.79	2.30	0.48	874	4.74	2.28	0.48	881	4.69	2.25	0.48	889	4.63	2.22	0.48	896	4.58	2.20	0.48	901	4.53	2.18	0.48	930	4.47	2.15	0.48	970	4.39	2.11	0.48	1034	4.29	2.06	0.48	1081	4.16	2.00	0.48	1121	3.82	1.83	0.48	1190	3.15	1.51	0.48	1235
	22	18	4.74	3.03	0.64	859	4.69	3.00	0.64	866	4.64	2.97	0.64	874	4.58	2.93	0.64	882	4.54	2.90	0.64	886	4.49	2.87	0.64	916	4.43	2.83	0.64	956	4.35	2.78	0.64	1021	4.25	2.72	0.64	1069	4.12	2.64	0.64	1109	3.78	2.42	0.64	1178	3.12	2.00	0.64	1223
	22	20	4.89	2.54	0.52	882	4.84	2.52	0.52	890	4.78	2.49	0.52	898	4.72	2.46	0.52	905	4.68	2.43	0.52	910	4.63	2.41	0.52	939	4.56	2.37	0.52	980	4.48	2.33	0.52	1045	4.38	2.28	0.52	1092	4.25	2.21	0.52	1133	3.90	2.03	0.52	1202	3.22	1.67	0.52	1247
	22	22	4.97	1.99	0.40	899	4.92	1.97	0.40	906	4.87	1.95	0.40	914	4.80	1.92	0.40	922	4.76	1.90	0.40	926	4.70	1.88	0.40	956	4.64	1.86	0.40	996	4.56	1.82	0.40	1061	4.45	1.78	0.40	1109	4.32	1.73	0.40	1149	3.97	1.59	0.40	1218	3.27	1.31	0.40	1263
	23	18	4.84	3.29	0.68	867	4.79	3.26	0.68	875	4.74	3.22	0.68	883	4.68	3.18	0.68	890	4.63	3.15	0.68	895	4.58	3.11	0.68	925	4.52	3.07	0.68	966	4.44	3.02	0.68	1031	4.33	2.95	0.68	1079	4.21	2.86	0.68	1120	3.86	2.63	0.68	1190	3.19	2.17	0.68	1236
	23	20	4.99	2.79	0.56	891	4.94	2.76	0.56	899	4.88	2.73	0.56	907	4.82	2.70	0.56	915	4.77	2.67	0.56	919	4.72	2.64	0.56	949	4.65	2.61	0.56	990	4.57	2.56	0.56	1055	4.47	2.50	0.56	1103	4.34	2.43	0.56	1144	3.98	2.23	0.56	1214	3.28	1.84	0.56	1260
	23	22	5.07	2.23	0.44	908	5.02	2.21	0.44	916	4.97	2.18	0.44	924	4.90	2.16	0.44	931	4.85	2.14	0.44	935	4.80	2.11	0.44	965	4.73	2.08	0.44	1006	4.65	2.05	0.44	1072	4.54	2.00	0.44	1120	4.41	1.94	0.44	1160	4.05	1.78	0.44	1230	3.34	1.47	0.44	1276
	24	18	4.94	3.55	0.72	876	4.89	3.52	0.72	884	4.83	3.48	0.72	892	4.77	3.44	0.72	899	4.72	3.40	0.72	904	4.67	3.36	0.72	934	4.61	3.32	0.72	974	4.53	3.26	0.72	1042	4.42	3.18	0.72	1090	4.29	3.09	0.72	1131	3.94	2.84	0.72	1202	3.25	2.34	0.72	1248
	24	20	5.09	3.05	0.60	900	5.04	3.02	0.60	908	4.98	2.99	0.60	916	4.92	2.95	0.60	924	4.87	2.92	0.60	928	4.82	2.89	0.60	959	4.75	2.85	0.60	1000	4.67	2.80	0.60	1066	4.56	2.73	0.60	1115	4.42	2.65	0.60	1156	4.06	2.44	0.60	1226	3.35	2.01	0.60	1272
	24	22	5.17	2.48	0.48	917	5.12	2.46	0.48	925	5.07	2.43	0.48	933	5.00	2.40	0.48	940	4.95	2.38	0.48	945	4.90	2.35	0.48	975	4.83	2.32	0.48	1016	4.75	2.28	0.48	1083	4.63	2.22	0.48	1131	4.50	2.16	0.48	1172	4.13	1.98	0.48	1243	3.41	1.64	0.48	1289
	24	24	5.25	1.89	0.36	936	5.19	1.87	0.36	944	5.14	1.85	0.36	952	5.07	1.83	0.36	960	5.02	1.81	0.36	964	4.97	1.79	0.36	994	4.90	1.76	0.36	1036	4.81	1.73	0.36	1102	4.70	1.69	0.36	1150	4.56	1.64	0.36	1192	4.19	1.51	0.36	1262	3.45	1.24	0.36	1308
	25	18	5.09	3.87	0.76	885	5.04	3.83	0.76	893	4.98	3.79	0.76	901	4.92	3.74	0.76	909	4.87	3.70	0.76	913	4.82	3.66	0.76	944	4.75	3.61	0.76	985	4.67	3.55	0.76	1052	4.56	3.46	0.76	1101	4.43	3.36	0.76	1143	4.06	3.09	0.76	1214	3.35	2.55	0.76	1261
	25	20	5.24	3.36	0.64	909	5.19	3.32	0.64	918	5.14	3.29	0.64	926	5.07	3.24	0.64	933	5.02	3.21	0.64	938	4.97	3.18	0.64	968	4.90	3.13	0.64	1010	4.81	3.08	0.64	1077	4.70	3.01	0.64	1126	4.56	2.92	0.64	1167	4.19	2.68	0.64	1239	3.45	2.21	0.64	1285
	25	22	5.33	2.77	0.52	926	5.28	2.75	0.52	934	5.22	2.72	0.52	942	5.16	2.68	0.52	950	5.11	2.65	0.52	954	5.05	2.63	0.52	985	4.98	2.59	0.52	1027	4.89	2.54	0.52	1094	4.78	2.48	0.52	1142	4.64	2.41	0.52	1184	4.26	2.21	0.52	1255	3.51	1.83	0.52	1302
	25	24	5.41	2.16	0.40	946	5.35	2.14	0.40	954	5.30	2.12	0.40	962	5.23	2.09	0.40	969	5.18	2.07	0.40	974	5.12	2.05	0.40	1004	5.05	2.02	0.40	1046	4.96	1.98	0.40	1113	4.84	1.94	0.40	1162	4.70	1.88	0.40	1204	4.32	1.73	0.40	1275	3.56	1.42	0.40	1322
	26	18	5.25	4.20	0.80	894	5.19	4.16	0.80	902	5.14	4.11	0.80	910	5.07	4.06	0.80	918	5.02	4.02	0.80	922	4.97	3.97	0.80	953	4.90	3.92	0.80	995	4.81	3.85	0.80	1063	4.70	3.76	0.80	1112	4.56	3.65	0.80	1154	4.19	3.35	0.80	1227	3.45	2.76	0.80	1274
	26	20	5.41	3.68	0.68	919	5.35	3.64	0.68	927	5.29	3.60	0.68	935	5.23	3.55	0.68	942	5.18	3.52	0.68	947	5.12	3.48	0.68	978	5.05	3.43	0.68	1020	4.96	3.37	0.68	1088	4.84	3.29	0.68	1137	4.70	3.20	0.68	1179	4.32	2.93	0.68	1251	3.56	2.42	0.68	1298
	26	22	5.50	3.08	0.56	935	5.44	3.05	0.56	944	5.38	3.02	0.56	952	5.32	2.98	0.56	959	5.26	2.95	0.56	964	5.21	2.92	0.56	995	5.13	2.87	0.56	1037	5.04	2.82	0.56	1105	4.92	2.76	0.56	1154	4.78	2.68	0.56	1196	4.39	2.46	0.56	1268	3.62	2.03	0.56	1315
	26	24	5.58	2.45	0.44	955	5.52	2.43	0.44	963	5.46	2.40	0.44	972	5.39	2.37	0.44	979	5.34	2.35	0.44	984	5.28	2.32	0.44	1015	5.21	2.29	0.44	1057	5.11	2.25	0.44	1124	4.99	2.20	0.44	1174	4.85	2.13	0.44	1216	4.45	1.96	0.44	1288	3.67	1.62	0.44	1335
	26	26	5.66	1.81	0.32	978	5.61	1.79	0.32	986	5.55	1.78	0.32	994	5.48	1.75	0.32	1002	5.42	1.74	0.32	1007	5.36	1.72	0.32	1037	5.29	1.69	0.32	1080	5.20	1.66	0.32	1147	5.07	1.62	0.32	1197	4.93	1.58	0.32	1238	4.52	1.45	0.32	1311	3.73	1.19	0.32	1358
	27	18	5.35	4.50	0.84	903	5.30	4.45	0.84	911	5.24	4.40	0.84	920	5.18	4.35	0.84	927	5.12	4.30	0.84	932	5.07	4.26	0.84	963	5.00	4.20	0.84	1006	4.91	4.12	0.84	1074	4.79	4.03	0.84	1124	4.66	3.91	0.84	1166	4.27	3.59	0.84	1239	3.53	2.96	0.84	1286
	27	19	5.46	4.26	0.78	913	5.41	4.22	0.78	921	5.35	4.17	0.78	930	5.28	4.12	0.78	937	5.23	4.08	0.78	942	5.17	4.03	0.78	973	5.10	3.98	0.78	1016	5.01	3.91	0.78	1084	4.89	3.82	0.78	1134	4.75	3.71	0.78	1176	4.36	3.40	0.78	1249	3.60	2.81	0.78	1296
	27	20	5.52	3.97	0.72	928	5.46	3.93	0.72	936	5.40	3.89	0.72	945	5.33	3.84	0.72	952	5.28	3.80	0.72	957	5.22	3.76	0.72	988	5.15	3.71	0.72	1031	5.06	3.64	0.72	1099	4.94	3.56	0.72	1149	4.80	3.45	0.72	1191	4.40	3.17	0.72	1264	3.63	2.62	0.72	1311
	27	22	5.61	3.37	0.60	945	5.56	3.33	0.60	953	5.49	3.30	0.60	962	5.42	3.25	0.60	969	5.37	3.22	0.60	974	5.31	3.19	0.60	1005	5.24	3.14	0.60	1048	5.15	3.09	0.60	1116	5.03	3.02	0.60	1166	4.88	2.93	0.60	1208	4.48	2.69	0.60	1281	3.70	2.22	0.60	1328
	27	24	5.69	2.73	0.48	965	5.63	2.70	0.48	973	5.57	2.67	0.48	982	5.50	2.64	0.48	989	5.45	2.61	0.48	994	5.39	2.59	0.48	1025	5.31	2.55	0.48	1068	5.22	2.50	0.48	1136	5.10	2.45	0.48	1186	4.95	2.37	0.48	1228	4.54	2.18	0.48	1301	3.75	1.80	0.48	1348
	27	26	5.78	2.08	0.36	988	5.72	2.06	0.36	996	5.66	2.04	0.36	1005	5.59	2																																		

4. CAPACITIES AND SELECTION DATA

18K

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	4.34	1465	5.10	1510	5.67	1525	6.23	1556	6.77	1638	7.31	1720	7.68	1772	7.91	1807
	16	4.29	1476	5.04	1522	5.60	1537	6.16	1569	6.69	1651	7.23	1734	7.59	1786	7.82	1822
	17	4.23	1488	4.98	1534	5.54	1550	6.08	1581	6.61	1665	7.14	1748	7.50	1800	7.72	1836
	18	4.18	1500	4.92	1547	5.47	1562	6.01	1594	6.53	1678	7.06	1762	7.41	1815	7.63	1851
	19	4.14	1512	4.86	1559	5.41	1575	5.94	1607	6.46	1692	6.97	1776	7.32	1829	7.54	1866
	20	4.09	1525	4.82	1572	5.35	1588	5.88	1620	6.39	1705	6.90	1791	7.25	1844	7.47	1881
	21	4.04	1541	4.76	1589	5.29	1605	5.81	1638	6.32	1724	6.82	1810	7.16	1865	7.38	1902
	22	4.00	1558	4.70	1606	5.22	1623	5.74	1656	6.24	1743	6.74	1830	7.08	1885	7.29	1923
	23	3.95	1575	4.65	1624	5.16	1641	5.67	1674	6.17	1762	6.66	1850	6.99	1906	7.20	1944
	24	3.90	1593	4.59	1642	5.10	1659	5.60	1692	6.09	1782	6.58	1871	6.91	1927	7.11	1965
	25	3.85	1610	4.53	1660	5.04	1677	5.54	1711	6.02	1801	6.50	1891	6.82	1948	7.03	1987
	26	3.81	1628	4.48	1678	4.98	1695	5.47	1730	5.95	1821	6.42	1912	6.74	1969	6.94	2009
	27	3.76	1646	4.43	1697	4.92	1714	5.40	1749	5.87	1841	6.34	1933	6.66	1991	6.86	2031
	28	3.72	1664	4.37	1715	4.86	1733	5.34	1768	5.80	1861	6.27	1954	6.58	2013	6.78	2053
	29	3.67	1682	4.32	1734	4.80	1752	5.28	1788	5.73	1882	6.19	1976	6.50	2035	6.70	2076
30	3.63	1701	4.27	1753	4.74	1771	5.21	1807	5.67	1902	6.12	1998	6.42	2057	6.62	2099	
120%	15	4.21	1395	4.95	1438	5.50	1452	6.05	1482	6.57	1560	7.10	1638	7.46	1687	7.68	1721
	16	4.16	1406	4.90	1450	5.44	1464	5.98	1494	6.50	1573	7.02	1651	7.37	1701	7.59	1735
	17	4.11	1417	4.84	1461	5.37	1476	5.91	1506	6.42	1585	6.93	1665	7.28	1715	7.50	1749
	18	4.06	1429	4.78	1473	5.31	1488	5.84	1518	6.34	1598	6.85	1678	7.19	1728	7.41	1763
	19	4.01	1440	4.72	1485	5.25	1500	5.77	1531	6.27	1611	6.77	1692	7.11	1742	7.32	1777
	20	3.97	1452	4.68	1497	5.20	1512	5.71	1543	6.21	1624	6.70	1705	7.04	1756	7.25	1792
	21	3.93	1468	4.62	1513	5.13	1529	5.64	1560	6.13	1642	6.62	1724	6.95	1776	7.16	1811
	22	3.88	1484	4.56	1530	5.07	1545	5.57	1577	6.06	1660	6.54	1743	6.87	1795	7.08	1831
	23	3.83	1500	4.51	1547	5.01	1562	5.51	1594	5.99	1678	6.46	1762	6.79	1815	6.99	1851
	24	3.79	1517	4.46	1564	4.95	1580	5.44	1612	5.91	1697	6.39	1782	6.71	1835	6.91	1872
	25	3.74	1534	4.40	1581	4.89	1597	5.38	1630	5.84	1715	6.31	1801	6.63	1855	6.82	1892
	26	3.70	1550	4.35	1598	4.83	1615	5.31	1648	5.77	1734	6.23	1821	6.55	1876	6.74	1913
	27	3.65	1568	4.30	1616	4.77	1632	5.25	1666	5.70	1753	6.16	1841	6.47	1896	6.66	1934
	28	3.61	1585	4.25	1634	4.72	1650	5.18	1684	5.63	1773	6.09	1861	6.39	1917	6.58	1955
	29	3.57	1602	4.19	1652	4.66	1668	5.12	1703	5.57	1792	6.01	1882	6.31	1938	6.50	1977
30	3.52	1620	4.14	1670	4.60	1687	5.06	1721	5.50	1812	5.94	1902	6.24	1959	6.42	1999	
110%	15	4.09	1367	4.81	1410	5.34	1424	5.87	1453	6.38	1530	6.89	1606	7.24	1654	7.46	1687
	16	4.04	1378	4.75	1421	5.28	1435	5.80	1465	6.31	1542	6.81	1619	7.15	1668	7.37	1701
	17	3.99	1390	4.70	1433	5.22	1447	5.73	1477	6.23	1554	6.73	1632	7.07	1681	7.28	1715
	18	3.94	1401	4.64	1444	5.16	1459	5.67	1489	6.16	1567	6.65	1645	6.98	1695	7.19	1728
	19	3.90	1412	4.59	1456	5.09	1470	5.60	1501	6.09	1579	6.57	1658	6.90	1708	7.11	1742
	20	3.86	1424	4.54	1468	5.04	1482	5.54	1513	6.03	1592	6.51	1672	6.83	1722	7.04	1756
	21	3.81	1439	4.49	1484	4.98	1499	5.48	1529	5.95	1610	6.43	1690	6.75	1741	6.95	1776
	22	3.77	1455	4.43	1500	4.92	1515	5.41	1546	5.88	1627	6.35	1709	6.67	1760	6.87	1795
	23	3.72	1471	4.38	1516	4.87	1532	5.35	1563	5.81	1645	6.28	1728	6.59	1779	6.79	1815
	24	3.68	1487	4.33	1533	4.81	1549	5.28	1580	5.74	1663	6.20	1747	6.51	1799	6.71	1835
	25	3.63	1504	4.27	1550	4.75	1566	5.22	1598	5.67	1682	6.13	1766	6.43	1819	6.63	1855
	26	3.59	1520	4.22	1567	4.69	1583	5.16	1615	5.60	1700	6.05	1785	6.36	1839	6.55	1876
	27	3.55	1537	4.17	1584	4.64	1600	5.09	1633	5.54	1719	5.98	1805	6.28	1859	6.47	1896
	28	3.50	1554	4.12	1602	4.58	1618	5.03	1651	5.47	1738	5.91	1825	6.20	1879	6.39	1917
	29	3.46	1571	4.07	1619	4.53	1636	4.97	1669	5.41	1757	5.84	1845	6.13	1900	6.31	1938
30	3.42	1588	4.02	1637	4.47	1654	4.91	1687	5.34	1776	5.77	1865	6.06	1921	6.24	1959	

4. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	3.97	1328	4.67	1369	5.19	1383	5.70	1411	6.20	1485	6.69	1559	7.03	1606	7.24	1638
	16	3.92	1338	4.61	1380	5.13	1394	5.63	1422	6.12	1497	6.61	1572	6.94	1619	7.15	1651
	17	3.88	1349	4.56	1391	5.07	1405	5.57	1434	6.05	1509	6.54	1584	6.86	1632	7.07	1665
	18	3.83	1360	4.51	1402	5.01	1416	5.50	1445	5.98	1521	6.46	1597	6.78	1645	6.98	1678
	19	3.78	1371	4.45	1413	4.95	1428	5.44	1457	5.91	1533	6.38	1610	6.70	1658	6.90	1692
	20	3.75	1382	4.41	1425	4.90	1439	5.38	1469	5.85	1546	6.32	1623	6.63	1672	6.83	1705
	21	3.70	1397	4.35	1440	4.84	1455	5.32	1485	5.78	1563	6.24	1641	6.55	1690	6.75	1724
	22	3.66	1413	4.30	1456	4.78	1471	5.25	1501	5.71	1580	6.17	1659	6.48	1709	6.67	1743
	23	3.61	1428	4.25	1472	4.72	1487	5.19	1518	5.64	1597	6.09	1677	6.40	1728	6.59	1762
	24	3.57	1444	4.20	1489	4.67	1504	5.13	1534	5.57	1615	6.02	1696	6.32	1747	6.51	1782
	25	3.53	1460	4.15	1505	4.61	1520	5.07	1551	5.51	1633	5.95	1714	6.25	1766	6.43	1801
	26	3.48	1476	4.10	1521	4.56	1537	5.01	1568	5.44	1651	5.88	1733	6.17	1785	6.36	1821
	27	3.44	1492	4.05	1538	4.50	1554	4.95	1585	5.38	1669	5.81	1752	6.10	1805	6.28	1841
	28	3.40	1508	4.00	1555	4.45	1571	4.89	1603	5.31	1687	5.74	1772	6.02	1825	6.20	1861
	29	3.36	1525	3.95	1572	4.39	1588	4.83	1621	5.25	1706	5.67	1791	5.95	1845	6.13	1882
30	3.32	1542	3.91	1590	4.34	1606	4.77	1638	5.18	1725	5.60	1811	5.88	1865	6.06	1902	
90%	15	3.83	1304	4.51	1344	5.01	1358	5.50	1385	5.98	1458	6.46	1531	6.78	1577	6.99	1609
	16	3.78	1314	4.45	1355	4.95	1369	5.44	1397	5.91	1470	6.38	1544	6.70	1590	6.90	1622
	17	3.74	1325	4.40	1366	4.89	1380	5.37	1408	5.84	1482	6.31	1556	6.62	1603	6.82	1635
	18	3.70	1336	4.35	1377	4.83	1391	5.31	1419	5.77	1494	6.23	1569	6.54	1616	6.74	1648
	19	3.65	1346	4.30	1388	4.77	1402	5.25	1431	5.70	1506	6.16	1581	6.47	1629	6.66	1661
	20	3.62	1357	4.25	1399	4.73	1413	5.19	1442	5.65	1518	6.10	1594	6.40	1642	6.59	1675
	21	3.57	1372	4.20	1415	4.67	1429	5.13	1458	5.58	1535	6.02	1611	6.32	1660	6.51	1693
	22	3.53	1387	4.15	1430	4.61	1445	5.07	1474	5.51	1552	5.95	1629	6.25	1678	6.44	1712
	23	3.49	1402	4.10	1446	4.56	1460	5.01	1490	5.44	1569	5.88	1647	6.17	1697	6.36	1730
	24	3.45	1418	4.05	1462	4.50	1476	4.95	1507	5.38	1586	5.81	1665	6.10	1715	6.28	1749
	25	3.40	1433	4.00	1478	4.45	1493	4.89	1523	5.31	1603	5.74	1684	6.03	1734	6.21	1769
	26	3.36	1449	3.96	1494	4.40	1509	4.83	1540	5.25	1621	5.67	1702	5.95	1753	6.13	1788
	27	3.32	1465	3.91	1510	4.34	1526	4.77	1557	5.19	1639	5.60	1721	5.88	1772	6.06	1808
	28	3.28	1481	3.86	1527	4.29	1543	4.72	1574	5.13	1657	5.54	1740	5.81	1792	5.99	1828
	29	3.24	1498	3.82	1544	4.24	1560	4.66	1591	5.06	1675	5.47	1759	5.74	1812	5.91	1848
30	3.20	1514	3.77	1561	4.19	1577	4.60	1609	5.00	1694	5.40	1778	5.67	1832	5.84	1868	
80%	15	3.72	1291	4.37	1331	4.86	1344	5.34	1371	5.80	1444	6.27	1516	6.58	1561	6.78	1593
	16	3.67	1301	4.32	1341	4.80	1355	5.27	1383	5.73	1455	6.19	1528	6.50	1574	6.70	1605
	17	3.63	1312	4.27	1352	4.74	1366	5.21	1394	5.66	1467	6.12	1540	6.42	1587	6.62	1618
	18	3.58	1322	4.22	1363	4.69	1377	5.15	1405	5.60	1479	6.04	1553	6.35	1599	6.54	1631
	19	3.54	1333	4.17	1374	4.63	1388	5.09	1416	5.53	1491	5.97	1565	6.27	1612	6.46	1645
	20	3.51	1344	4.13	1385	4.58	1399	5.04	1428	5.48	1503	5.91	1578	6.21	1625	6.40	1658
	21	3.46	1358	4.08	1400	4.53	1415	4.98	1443	5.41	1519	5.84	1595	6.14	1643	6.32	1676
	22	3.42	1373	4.03	1416	4.48	1430	4.92	1459	5.35	1536	5.77	1613	6.06	1661	6.24	1694
	23	3.38	1388	3.98	1431	4.42	1446	4.86	1475	5.28	1553	5.70	1631	5.99	1680	6.17	1713
	24	3.34	1404	3.93	1447	4.37	1462	4.80	1492	5.22	1570	5.64	1649	5.92	1698	6.09	1732
	25	3.30	1419	3.88	1463	4.32	1478	4.74	1508	5.16	1587	5.57	1667	5.85	1717	6.02	1751
	26	3.26	1435	3.84	1479	4.26	1494	4.69	1525	5.09	1605	5.50	1685	5.78	1736	5.95	1770
	27	3.22	1451	3.79	1495	4.21	1510	4.63	1541	5.03	1622	5.43	1704	5.71	1755	5.88	1790
	28	3.18	1466	3.75	1512	4.16	1527	4.57	1558	4.97	1640	5.37	1722	5.64	1774	5.81	1809
	29	3.15	1483	3.70	1528	4.11	1544	4.52	1575	4.91	1658	5.31	1741	5.57	1793	5.74	1829
30	3.11	1499	3.66	1545	4.06	1561	4.46	1593	4.85	1677	5.24	1760	5.50	1813	5.67	1849	

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

24K

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	21	18	7.18	4.31	0.60	1457	7.11	4.27	0.60	1470	7.03	4.22	0.60	1484	6.94	4.17	0.60	1496	6.88	4.13	0.60	1503	6.80	4.08	0.60	1553	6.71	4.02	0.60	1622	6.59	3.95	0.60	1731	6.43	3.86	0.60	1812	6.25	3.75	0.60	1880	5.73	3.44	0.60	1997	4.73	2.84	0.60	2073
	21	20	7.48	3.59	0.48	1480	7.41	3.55	0.48	1494	7.32	3.52	0.48	1507	7.23	3.47	0.48	1519	7.16	3.44	0.48	1527	7.08	3.40	0.48	1577	6.98	3.35	0.48	1645	6.86	3.29	0.48	1755	6.70	3.22	0.48	1835	6.50	3.12	0.48	1903	5.97	2.87	0.48	2020	4.93	2.36	0.48	2096
	22	18	7.41	4.74	0.64	1472	7.33	4.69	0.64	1485	7.25	4.64	0.64	1499	7.16	4.58	0.64	1511	7.09	4.54	0.64	1518	7.01	4.49	0.64	1569	6.91	4.43	0.64	1638	6.79	4.35	0.64	1749	6.63	4.24	0.64	1830	6.44	4.12	0.64	1899	5.91	3.78	0.64	2017	4.88	3.12	0.64	2094
	22	20	7.63	3.97	0.52	1495	7.56	3.93	0.52	1509	7.47	3.89	0.52	1522	7.38	3.84	0.52	1535	7.31	3.80	0.52	1542	7.23	3.76	0.52	1593	7.13	3.71	0.52	1662	7.00	3.64	0.52	1773	6.84	3.55	0.52	1854	6.64	3.45	0.52	1922	6.09	3.17	0.52	2041	5.03	2.61	0.52	2118
	22	22	7.76	3.10	0.40	1512	7.68	3.07	0.40	1525	7.60	3.04	0.40	1539	7.50	3.00	0.40	1551	7.43	2.97	0.40	1558	7.35	2.94	0.40	1609	7.25	2.90	0.40	1678	7.12	2.85	0.40	1789	6.95	2.78	0.40	1870	6.75	2.70	0.40	1938	6.20	2.48	0.40	2057	5.11	2.04	0.40	2134
	23	18	7.56	5.14	0.68	1486	7.48	5.09	0.68	1500	7.40	5.03	0.68	1514	7.31	4.97	0.68	1526	7.23	4.92	0.68	1534	7.15	4.86	0.68	1585	7.06	4.80	0.68	1655	6.93	4.71	0.68	1767	6.77	4.60	0.68	1848	6.57	4.47	0.68	1918	6.03	4.10	0.68	2037	4.98	3.38	0.68	2115
	23	20	7.79	4.36	0.56	1510	7.71	4.32	0.56	1524	7.63	4.27	0.56	1538	7.53	4.22	0.56	1550	7.45	4.17	0.56	1558	7.37	4.13	0.56	1609	7.27	4.07	0.56	1679	7.14	4.00	0.56	1791	6.98	3.91	0.56	1872	6.77	3.79	0.56	1942	6.22	3.48	0.56	2061	5.13	2.87	0.56	2139
	23	22	7.92	3.48	0.44	1527	7.84	3.45	0.44	1540	7.76	3.41	0.44	1554	7.66	3.37	0.44	1566	7.58	3.34	0.44	1574	7.50	3.30	0.44	1625	7.39	3.25	0.44	1695	7.26	3.20	0.44	1807	7.09	3.12	0.44	1889	6.89	3.03	0.44	1958	6.32	2.78	0.44	2078	5.22	2.30	0.44	2155
	24	18	7.71	5.55	0.72	1501	7.63	5.50	0.72	1515	7.55	5.44	0.72	1529	7.45	5.37	0.72	1541	7.38	5.31	0.72	1549	7.30	5.26	0.72	1601	7.20	5.18	0.72	1671	7.07	5.09	0.72	1784	6.91	4.97	0.72	1867	6.71	4.83	0.72	1937	6.16	4.43	0.72	2058	5.08	3.66	0.72	2136
	24	20	7.95	4.77	0.60	1526	7.87	4.72	0.60	1539	7.78	4.67	0.60	1553	7.68	4.61	0.60	1566	7.61	4.56	0.60	1574	7.52	4.51	0.60	1625	7.42	4.45	0.60	1696	7.29	4.37	0.60	1809	7.12	4.27	0.60	1891	6.91	4.15	0.60	1961	6.34	3.81	0.60	2082	5.23	3.14	0.60	2161
	24	22	8.08	3.88	0.48	1542	8.00	3.84	0.48	1556	7.91	3.80	0.48	1570	7.81	3.75	0.48	1582	7.74	3.71	0.48	1590	7.65	3.67	0.48	1642	7.55	3.62	0.48	1712	7.41	3.56	0.48	1825	7.24	3.47	0.48	1908	7.03	3.37	0.48	1978	6.45	3.10	0.48	2099	5.32	2.55	0.48	2177
	24	24	8.19	2.95	0.36	1562	8.11	2.92	0.36	1575	8.03	2.89	0.36	1589	7.92	2.85	0.36	1602	7.84	2.82	0.36	1609	7.76	2.79	0.36	1661	7.65	2.75	0.36	1732	7.52	2.71	0.36	1845	7.34	2.64	0.36	1927	7.13	2.57	0.36	1997	6.54	2.36	0.36	2118	5.40	1.94	0.36	2197
	25	18	7.95	6.04	0.76	1517	7.87	5.98	0.76	1531	7.78	5.92	0.76	1545	7.68	5.84	0.76	1557	7.61	5.78	0.76	1565	7.53	5.72	0.76	1617	7.42	5.64	0.76	1688	7.29	5.54	0.76	1802	7.12	5.41	0.76	1886	6.91	5.25	0.76	1957	6.35	4.82	0.76	2079	5.24	3.98	0.76	2158
	25	20	8.19	5.24	0.64	1541	8.11	5.19	0.64	1555	8.02	5.13	0.64	1569	7.92	5.07	0.64	1582	7.84	5.02	0.64	1589	7.76	4.96	0.64	1641	7.65	4.90	0.64	1713	7.51	4.81	0.64	1827	7.34	4.70	0.64	1910	7.12	4.56	0.64	1981	6.54	4.19	0.64	2103	5.40	3.45	0.64	2182
	25	22	8.33	4.33	0.52	1558	8.25	4.29	0.52	1572	8.16	4.24	0.52	1586	8.05	4.19	0.52	1598	7.97	4.15	0.52	1606	7.89	4.10	0.52	1658	7.78	4.05	0.52	1729	7.64	3.97	0.52	1844	7.46	3.88	0.52	1927	7.25	3.77	0.52	1998	6.65	3.46	0.52	2120	5.49	2.85	0.52	2199
	25	24	8.45	3.38	0.40	1577	8.36	3.35	0.40	1591	8.27	3.31	0.40	1605	8.17	3.27	0.40	1618	8.09	3.23	0.40	1626	8.00	3.20	0.40	1678	7.89	3.16	0.40	1749	7.75	3.10	0.40	1863	7.57	3.03	0.40	1947	7.35	2.94	0.40	2017	6.74	2.70	0.40	2139	5.56	2.23	0.40	2219
	26	18	8.19	6.56	0.80	1532	8.11	6.49	0.80	1546	8.03	6.42	0.80	1560	7.92	6.34	0.80	1573	7.84	6.28	0.80	1581	7.76	6.21	0.80	1633	7.65	6.12	0.80	1705	7.52	6.01	0.80	1821	7.34	5.87	0.80	1905	7.13	5.70	0.80	1976	6.54	5.23	0.80	2100	5.40	4.32	0.80	2180
	26	20	8.45	5.74	0.68	1557	8.36	5.69	0.68	1571	8.27	5.62	0.68	1585	8.16	5.55	0.68	1598	8.08	5.50	0.68	1605	8.00	5.44	0.68	1658	7.89	5.36	0.68	1730	7.75	5.27	0.68	1845	7.56	5.14	0.68	1930	7.34	4.99	0.68	2001	6.74	4.58	0.68	2124	5.56	3.78	0.68	2204
	26	22	8.59	4.81	0.56	1574	8.50	4.76	0.56	1588	8.41	4.71	0.56	1602	8.30	4.65	0.56	1614	8.22	4.60	0.56	1622	8.13	4.55	0.56	1675	8.02	4.49	0.56	1747	7.88	4.41	0.56	1862	7.69	4.31	0.56	1947	7.47	4.18	0.56	2018	6.86	3.84	0.56	2141	5.66	3.17	0.56	2221
	26	24	8.71	3.83	0.44	1593	8.62	3.79	0.44	1607	8.53	3.75	0.44	1621	8.42	3.70	0.44	1634	8.34	3.67	0.44	1642	8.25	3.63	0.44	1695	8.13	3.58	0.44	1767	7.99	3.51	0.44	1882	7.80	3.43	0.44	1966	7.57	3.33	0.44	2038	6.95	3.06	0.44	2161	5.74	2.52	0.44	2241
	26	26	8.85	2.83	0.32	1616	8.76	2.80	0.32	1630	8.67	2.77	0.32	1644	8.55	2.74	0.32	1657	8.47	2.71	0.32	1665	8.38	2.68	0.32	1717	8.26	2.64	0.32	1789	8.12	2.60	0.32	1905	7.93	2.54	0.32	1989	7.69	2.46	0.32	2061	7.06	2.26	0.32	2184	5.83	1.86	0.32	2264
	27	18	8.36	7.02	0.84	1547	8.28	6.95	0.84	1562	8.19	6.88	0.84	1576	8.08	6.79	0.84	1589	8.00	6.72	0.84	1597	7.92	6.65	0.84	1650	7.81	6.56	0.84	1723	7.67	6.44	0.84	1839	7.49	6.29	0.84	1924	7.27	6.11	0.84	1996	6.68	5.61	0.84	2121	5.51	4.63	0.84	2202
	27	19	8.53	6.66	0.78	1557	8.45	6.59	0.78	1572	8.36	6.52	0.78	1586	8.25	6.43	0.78	1599	8.17	6.37	0.78	1607	8.08	6.30	0.78	1660	7.97	6.21	0.78	1733	7.83	6.10	0.78	1849	7.64	5.96	0.78	1934	7.42	5.79	0.78	2006	6.81	5.31	0.78	2131	5.62	4.38	0.78	2212
	27	20	8.62	6.20	0.72	1572	8.53	6.14	0.72	1587	8.44	6.08	0.72	1601	8.33	6.00	0.72	1614	8.25	5.94	0.72	1622	8.16	5.87	0.72	1675	8.05	5.79	0.72	1748	7.90	5.69	0.72	1864	7.72	5.56	0.72	1949	7.49	5.40	0.72	2021	6.88	4.95	0.72	2146	5.68	4.09	0.72	2227
	27	22	8.76	5.26	0.60	1589	8.68	5.21	0.60	1604	8.58	5.15	0.60	1618	8.47	5.08	0.60	1631	8.39	5.03	0.60	1639	8.30	4.98	0.60	1692	8.18	4.91	0.60	1765	8.04	4.82	0.60	1881	7.85	4.71	0.60	1966	7.62	4.57	0.60	2038	7.00	4.20	0.60	2163	5.77	3.46	0.60	2244
	27	24	8.89	4.27	0.48	1609	8.80	4.22	0.48	1624	8.70	4.18	0.48	1638	8.59	4.12	0.48	1651	8.51	4.08	0.48	1659	8.41	4.04	0.48	1712	8.30	3.98	0.48	1785	8.15	3.91	0.48	1901	7.96	3.82	0.48	1986	7.73	3.71										

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
120%	21	18	7.12	4.27	0.60	1443	7.04	4.23	0.60	1456	6.97	4.18	0.60	1469	6.88	4.13	0.60	1481	6.81	4.09	0.60	1489	6.74	4.04	0.60	1538	6.64	3.99	0.60	1606	6.53	3.92	0.60	1715	6.37	3.82	0.60	1794	6.19	3.71	0.60	1861	5.68	3.41	0.60	1977	4.69	2.81	0.60	2053
	21	20	7.41	3.56	0.48	1466	7.34	3.52	0.48	1480	7.26	3.48	0.48	1493	7.16	3.44	0.48	1505	7.09	3.40	0.48	1512	7.01	3.37	0.48	1562	6.92	3.32	0.48	1630	6.80	3.26	0.48	1738	6.64	3.19	0.48	1818	6.44	3.09	0.48	1885	5.91	2.84	0.48	2001	4.88	2.34	0.48	2077
	22	18	7.34	4.69	0.64	1457	7.26	4.65	0.64	1471	7.18	4.60	0.64	1484	7.09	4.54	0.64	1496	7.02	4.49	0.64	1504	6.94	4.44	0.64	1554	6.85	4.38	0.64	1622	6.73	4.31	0.64	1732	6.57	4.20	0.64	1812	6.38	4.08	0.64	1880	5.86	3.75	0.64	1997	4.83	3.09	0.64	2074
	22	20	7.56	3.93	0.52	1481	7.48	3.89	0.52	1495	7.40	3.85	0.52	1508	7.31	3.80	0.52	1520	7.24	3.76	0.52	1528	7.16	3.72	0.52	1578	7.06	3.67	0.52	1646	6.93	3.61	0.52	1756	6.77	3.52	0.52	1836	6.57	3.42	0.52	1904	6.03	3.14	0.52	2021	4.98	2.59	0.52	2098
	22	22	7.69	3.08	0.40	1497	7.61	3.04	0.40	1511	7.53	3.01	0.40	1524	7.43	2.97	0.40	1536	7.36	2.94	0.40	1544	7.28	2.91	0.40	1594	7.18	2.87	0.40	1662	7.05	2.82	0.40	1772	6.89	2.75	0.40	1852	6.69	2.67	0.40	1920	6.14	2.46	0.40	2037	5.06	2.03	0.40	2114
	23	18	7.48	5.09	0.68	1472	7.41	5.04	0.68	1486	7.33	4.98	0.68	1499	7.24	4.92	0.68	1511	7.16	4.87	0.68	1519	7.09	4.82	0.68	1570	6.99	4.75	0.68	1639	6.87	4.67	0.68	1750	6.70	4.56	0.68	1831	6.51	4.43	0.68	1899	5.98	4.06	0.68	2018	4.93	3.35	0.68	2095
	23	20	7.71	4.32	0.56	1496	7.64	4.28	0.56	1510	7.55	4.23	0.56	1523	7.46	4.18	0.56	1535	7.38	4.13	0.56	1543	7.30	4.09	0.56	1594	7.20	4.03	0.56	1663	7.08	3.96	0.56	1774	6.91	3.87	0.56	1855	6.71	3.76	0.56	1923	6.16	3.45	0.56	2042	5.08	2.85	0.56	2119
	23	22	7.85	3.45	0.44	1513	7.77	3.42	0.44	1526	7.68	3.38	0.44	1540	7.58	3.34	0.44	1552	7.51	3.30	0.44	1559	7.43	3.27	0.44	1610	7.33	3.22	0.44	1679	7.20	3.17	0.44	1790	7.03	3.09	0.44	1871	6.82	3.00	0.44	1940	6.26	2.76	0.44	2058	5.17	2.27	0.44	2135
	24	18	7.64	5.50	0.72	1487	7.56	5.44	0.72	1501	7.48	5.39	0.72	1514	7.38	5.32	0.72	1527	7.31	5.26	0.72	1534	7.23	5.21	0.72	1585	7.13	5.13	0.72	1655	7.01	5.04	0.72	1767	6.84	4.93	0.72	1849	6.64	4.78	0.72	1918	6.10	4.39	0.72	2038	5.03	3.62	0.72	2116
	24	20	7.87	4.72	0.60	1511	7.79	4.68	0.60	1525	7.71	4.63	0.60	1539	7.61	4.57	0.60	1551	7.53	4.52	0.60	1559	7.45	4.47	0.60	1610	7.35	4.41	0.60	1680	7.22	4.33	0.60	1792	7.05	4.23	0.60	1873	6.85	4.11	0.60	1943	6.28	3.77	0.60	2062	5.18	3.11	0.60	2140
	24	22	8.01	3.84	0.48	1528	7.93	3.80	0.48	1541	7.84	3.76	0.48	1555	7.74	3.71	0.48	1567	7.66	3.68	0.48	1575	7.58	3.64	0.48	1626	7.47	3.59	0.48	1696	7.34	3.52	0.48	1808	7.17	3.44	0.48	1890	6.96	3.34	0.48	1959	6.39	3.07	0.48	2079	5.27	2.53	0.48	2157
	24	24	8.12	2.92	0.36	1547	8.04	2.89	0.36	1561	7.95	2.86	0.36	1574	7.85	2.83	0.36	1587	7.77	2.80	0.36	1595	7.69	2.77	0.36	1646	7.58	2.73	0.36	1715	7.45	2.68	0.36	1827	7.27	2.62	0.36	1909	7.06	2.54	0.36	1979	6.48	2.33	0.36	2098	5.35	1.92	0.36	2176
	25	18	7.87	5.98	0.76	1502	7.80	5.92	0.76	1516	7.71	5.86	0.76	1530	7.61	5.79	0.76	1542	7.54	5.73	0.76	1550	7.45	5.67	0.76	1601	7.35	5.59	0.76	1672	7.22	5.49	0.76	1785	7.05	5.36	0.76	1868	6.85	5.20	0.76	1938	6.29	4.78	0.76	2059	5.19	3.94	0.76	2137
	25	20	8.11	5.19	0.64	1527	8.03	5.14	0.64	1540	7.95	5.09	0.64	1554	7.85	5.02	0.64	1567	7.77	4.97	0.64	1574	7.68	4.92	0.64	1626	7.58	4.85	0.64	1697	7.44	4.76	0.64	1810	7.27	4.65	0.64	1892	7.06	4.52	0.64	1962	6.48	4.15	0.64	2083	5.34	3.42	0.64	2162
	25	22	8.25	4.29	0.52	1543	8.17	4.25	0.52	1557	8.08	4.20	0.52	1571	7.98	4.15	0.52	1583	7.90	4.11	0.52	1591	7.81	4.06	0.52	1643	7.71	4.01	0.52	1713	7.57	3.94	0.52	1826	7.39	3.84	0.52	1909	7.18	3.73	0.52	1979	6.59	3.43	0.52	2100	5.44	2.83	0.52	2178
	25	24	8.37	3.35	0.40	1563	8.29	3.31	0.40	1577	8.20	3.28	0.40	1590	8.09	3.24	0.40	1603	8.01	3.20	0.40	1611	7.92	3.17	0.40	1662	7.81	3.13	0.40	1733	7.68	3.07	0.40	1846	7.50	3.00	0.40	1929	7.28	2.91	0.40	1999	6.68	2.67	0.40	2119	5.51	2.20	0.40	2198
	26	18	8.12	6.49	0.80	1517	8.04	6.43	0.80	1531	7.95	6.36	0.80	1545	7.85	6.28	0.80	1558	7.77	6.22	0.80	1566	7.69	6.15	0.80	1618	7.58	6.06	0.80	1689	7.45	5.96	0.80	1803	7.27	5.82	0.80	1887	7.06	5.65	0.80	1957	6.48	5.18	0.80	2079	5.35	4.28	0.80	2159
	26	20	8.37	5.69	0.68	1542	8.28	5.63	0.68	1556	8.19	5.57	0.68	1570	8.09	5.50	0.68	1582	8.01	5.45	0.68	1590	7.92	5.39	0.68	1642	7.81	5.31	0.68	1714	7.67	5.22	0.68	1828	7.49	5.10	0.68	1911	7.28	4.95	0.68	1982	6.68	4.54	0.68	2104	5.51	3.75	0.68	2184
	26	22	8.51	4.76	0.56	1559	8.42	4.72	0.56	1573	8.33	4.67	0.56	1587	8.23	4.61	0.56	1599	8.14	4.56	0.56	1607	8.06	4.51	0.56	1659	7.94	4.45	0.56	1731	7.80	4.37	0.56	1845	7.62	4.27	0.56	1928	7.40	4.14	0.56	1999	6.79	3.80	0.56	2121	5.60	3.14	0.56	2200
	26	24	8.63	3.80	0.44	1579	8.54	3.76	0.44	1592	8.45	3.72	0.44	1606	8.34	3.67	0.44	1619	8.26	3.63	0.44	1627	8.17	3.59	0.44	1679	8.06	3.54	0.44	1750	7.91	3.48	0.44	1865	7.73	3.40	0.44	1948	7.50	3.30	0.44	2019	6.89	3.03	0.44	2141	5.68	2.50	0.44	2220
	26	26	8.77	2.80	0.32	1601	8.68	2.78	0.32	1615	8.58	2.75	0.32	1629	8.47	2.71	0.32	1642	8.39	2.68	0.32	1650	8.30	2.66	0.32	1702	8.18	2.62	0.32	1773	8.04	2.57	0.32	1887	7.85	2.51	0.32	1971	7.62	2.44	0.32	2042	7.00	2.24	0.32	2164	5.77	1.85	0.32	2243
	27	18	8.28	6.96	0.84	1533	8.20	6.89	0.84	1547	8.11	6.81	0.84	1561	8.01	6.73	0.84	1573	7.93	6.66	0.84	1581	7.84	6.59	0.84	1634	7.73	6.50	0.84	1706	7.60	6.38	0.84	1821	7.42	6.23	0.84	1906	7.20	6.05	0.84	1977	6.61	5.55	0.84	2100	5.46	4.58	0.84	2181
	27	19	8.45	6.59	0.78	1543	8.37	6.53	0.78	1557	8.28	6.46	0.78	1571	8.17	6.37	0.78	1583	8.09	6.31	0.78	1591	8.00	6.24	0.78	1644	7.89	6.16	0.78	1716	7.75	6.05	0.78	1831	7.57	5.90	0.78	1916	7.35	5.73	0.78	1987	6.75	5.26	0.78	2110	5.57	4.34	0.78	2191
	27	20	8.54	6.15	0.72	1558	8.45	6.09	0.72	1572	8.36	6.02	0.72	1586	8.25	5.94	0.72	1598	8.17	5.88	0.72	1606	8.08	5.82	0.72	1659	7.97	5.74	0.72	1731	7.83	5.64	0.72	1846	7.65	5.51	0.72	1931	7.42	5.34	0.72	2002	6.81	4.91	0.72	2125	5.62	4.05	0.72	2206
	27	22	8.68	5.21	0.60	1575	8.60	5.16	0.60	1589	8.50	5.10	0.60	1603	8.39	5.04	0.60	1615	8.31	4.99	0.60	1623	8.22	4.93	0.60	1676	8.11	4.86	0.60	1748	7.96	4.78	0.60	1863	7.78	4.67	0.60	1948	7.55	4.53	0.60	2019	6.93	4.16	0.60	2142	5.72	3.43	0.60	2223
	27	24	8.80	4.23	0.48	1595	8.72	4.18	0.48	1609	8.62	4.14	0.48	1623	8.51	4.09	0.48	1635	8.43	4.04	0.48	1643	8.33	4.00	0.48	1696	8.22	3.95	0.48	1768	8.07	3.88	0.48	1883	7.89	3.78	0.48	1968	7.66	3.67	0.48	2039	7.03	3.37	0.48	2162	5.80	2.		

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
110%	21	18	6.98	4.19	0.60	1429	6.91	4.15	0.60	1442	6.84	4.10	0.60	1455	6.75	4.05	0.60	1467	6.68	4.01	0.60	1474	6.61	3.96	0.60	1523	6.52	3.91	0.60	1591	6.40	3.84	0.60	1698	6.25	3.75	0.60	1777	6.07	3.64	0.60	1843	5.57	3.34	0.60	1958	4.60	2.76	0.60	2033
	21	20	7.27	3.49	0.48	1452	7.20	3.45	0.48	1465	7.12	3.42	0.48	1479	7.03	3.37	0.48	1490	6.96	3.34	0.48	1498	6.88	3.30	0.48	1547	6.79	3.26	0.48	1614	6.67	3.20	0.48	1722	6.51	3.12	0.48	1800	6.32	3.03	0.48	1867	5.80	2.78	0.48	1982	4.79	2.30	0.48	2057
	22	18	7.20	4.61	0.64	1443	7.12	4.56	0.64	1456	7.05	4.51	0.64	1470	6.96	4.45	0.64	1482	6.89	4.41	0.64	1489	6.81	4.36	0.64	1539	6.72	4.30	0.64	1607	6.60	4.22	0.64	1715	6.44	4.12	0.64	1795	6.26	4.00	0.64	1862	5.74	3.68	0.64	1978	4.74	3.03	0.64	2054
	22	20	7.42	3.86	0.52	1467	7.34	3.82	0.52	1480	7.26	3.78	0.52	1494	7.17	3.73	0.52	1505	7.10	3.69	0.52	1513	7.02	3.65	0.52	1563	6.92	3.60	0.52	1630	6.80	3.54	0.52	1739	6.64	3.45	0.52	1818	6.45	3.35	0.52	1886	5.92	3.08	0.52	2002	4.88	2.54	0.52	2077
	22	22	7.54	3.02	0.40	1483	7.47	2.99	0.40	1496	7.39	2.95	0.40	1510	7.29	2.92	0.40	1522	7.22	2.89	0.40	1529	7.14	2.86	0.40	1579	7.04	2.82	0.40	1647	6.92	2.77	0.40	1755	6.76	2.70	0.40	1835	6.56	2.62	0.40	1902	6.02	2.41	0.40	2018	4.97	1.99	0.40	2094
	23	18	7.34	4.99	0.68	1458	7.27	4.94	0.68	1471	7.19	4.89	0.68	1485	7.10	4.83	0.68	1497	7.03	4.78	0.68	1504	6.95	4.73	0.68	1554	6.86	4.66	0.68	1623	6.73	4.58	0.68	1733	6.58	4.47	0.68	1813	6.38	4.34	0.68	1881	5.86	3.99	0.68	1998	4.84	3.29	0.68	2074
	23	20	7.57	4.24	0.56	1482	7.49	4.20	0.56	1495	7.41	4.15	0.56	1509	7.32	4.10	0.56	1521	7.24	4.06	0.56	1528	7.16	4.01	0.56	1578	7.07	3.96	0.56	1647	6.94	3.89	0.56	1757	6.78	3.80	0.56	1837	6.58	3.69	0.56	1905	6.04	3.38	0.56	2022	4.98	2.79	0.56	2098
	23	22	7.70	3.39	0.44	1498	7.62	3.35	0.44	1512	7.54	3.32	0.44	1525	7.44	3.27	0.44	1537	7.37	3.24	0.44	1545	7.29	3.21	0.44	1595	7.19	3.16	0.44	1663	7.06	3.11	0.44	1773	6.89	3.03	0.44	1853	6.69	2.94	0.44	1921	6.14	2.70	0.44	2038	5.07	2.23	0.44	2115
	24	18	7.49	5.39	0.72	1473	7.42	5.34	0.72	1486	7.34	5.28	0.72	1500	7.24	5.22	0.72	1512	7.17	5.16	0.72	1519	7.09	5.11	0.72	1570	7.00	5.04	0.72	1639	6.87	4.95	0.72	1750	6.71	4.83	0.72	1831	6.52	4.69	0.72	1900	5.98	4.31	0.72	2018	4.93	3.55	0.72	2095
	24	20	7.72	4.63	0.60	1497	7.65	4.59	0.60	1510	7.56	4.54	0.60	1524	7.46	4.48	0.60	1536	7.39	4.43	0.60	1544	7.31	4.39	0.60	1594	7.21	4.33	0.60	1663	7.08	4.25	0.60	1774	6.92	4.15	0.60	1855	6.71	4.03	0.60	1924	6.16	3.70	0.60	2042	5.09	3.05	0.60	2120
	24	22	7.85	3.77	0.48	1513	7.78	3.73	0.48	1527	7.69	3.69	0.48	1540	7.59	3.64	0.48	1553	7.52	3.61	0.48	1560	7.43	3.57	0.48	1611	7.33	3.52	0.48	1680	7.20	3.46	0.48	1791	7.03	3.38	0.48	1872	6.83	3.28	0.48	1941	6.27	3.01	0.48	2059	5.17	2.48	0.48	2136
	24	24	7.96	2.87	0.36	1533	7.88	2.84	0.36	1546	7.80	2.81	0.36	1560	7.70	2.77	0.36	1572	7.62	2.74	0.36	1580	7.54	2.71	0.36	1630	7.43	2.68	0.36	1699	7.30	2.63	0.36	1810	7.13	2.57	0.36	1891	6.92	2.49	0.36	1960	6.36	2.29	0.36	2078	5.24	1.89	0.36	2155
	25	18	7.72	5.87	0.76	1487	7.65	5.81	0.76	1501	7.56	5.75	0.76	1515	7.47	5.68	0.76	1527	7.39	5.62	0.76	1535	7.31	5.56	0.76	1586	7.21	5.48	0.76	1656	7.08	5.38	0.76	1768	6.92	5.26	0.76	1850	6.72	5.10	0.76	1919	6.17	4.69	0.76	2039	5.09	3.87	0.76	2116
	25	20	7.96	5.09	0.64	1512	7.88	5.04	0.64	1526	7.80	4.99	0.64	1539	7.70	4.93	0.64	1552	7.62	4.88	0.64	1559	7.54	4.82	0.64	1610	7.43	4.76	0.64	1680	7.30	4.67	0.64	1792	7.13	4.56	0.64	1874	6.92	4.43	0.64	1944	6.35	4.07	0.64	2063	5.24	3.36	0.64	2141
	25	22	8.10	4.21	0.52	1529	8.02	4.17	0.52	1542	7.93	4.12	0.52	1556	7.83	4.07	0.52	1568	7.75	4.03	0.52	1576	7.66	3.99	0.52	1627	7.56	3.93	0.52	1697	7.43	3.86	0.52	1809	7.25	3.77	0.52	1891	7.04	3.66	0.52	1960	6.46	3.36	0.52	2080	5.33	2.77	0.52	2158
	25	24	8.21	3.28	0.40	1548	8.13	3.25	0.40	1562	8.04	3.22	0.40	1576	7.94	3.17	0.40	1588	7.86	3.14	0.40	1596	7.77	3.11	0.40	1647	7.66	3.07	0.40	1717	7.53	3.01	0.40	1829	7.35	2.94	0.40	1910	7.14	2.86	0.40	1980	6.55	2.62	0.40	2099	5.41	2.16	0.40	2177
	26	18	7.96	6.37	0.80	1502	7.88	6.31	0.80	1516	7.80	6.24	0.80	1530	7.70	6.16	0.80	1542	7.62	6.10	0.80	1550	7.54	6.03	0.80	1602	7.43	5.95	0.80	1673	7.30	5.84	0.80	1786	7.13	5.71	0.80	1868	6.92	5.54	0.80	1938	6.36	5.09	0.80	2059	5.24	4.20	0.80	2138
	26	20	8.21	5.58	0.68	1527	8.13	5.53	0.68	1541	8.04	5.47	0.68	1555	7.93	5.39	0.68	1567	7.86	5.34	0.68	1575	7.77	5.28	0.68	1627	7.66	5.21	0.68	1697	7.53	5.12	0.68	1810	7.35	5.00	0.68	1893	7.14	4.85	0.68	1963	6.55	4.45	0.68	2084	5.40	3.68	0.68	2163
	26	22	8.35	4.67	0.56	1544	8.26	4.63	0.56	1558	8.17	4.58	0.56	1572	8.07	4.52	0.56	1584	7.99	4.47	0.56	1592	7.90	4.43	0.56	1643	7.79	4.36	0.56	1714	7.65	4.29	0.56	1827	7.48	4.19	0.56	1910	7.26	4.06	0.56	1980	6.66	3.73	0.56	2101	5.50	3.08	0.56	2179
	26	24	8.46	3.72	0.44	1564	8.38	3.69	0.44	1578	8.29	3.65	0.44	1591	8.18	3.60	0.44	1604	8.10	3.56	0.44	1612	8.01	3.53	0.44	1663	7.90	3.48	0.44	1734	7.76	3.42	0.44	1847	7.58	3.34	0.44	1930	7.36	3.24	0.44	2000	6.76	2.97	0.44	2121	5.57	2.45	0.44	2199
	26	26	8.60	2.75	0.32	1587	8.51	2.72	0.32	1600	8.42	2.69	0.32	1614	8.31	2.66	0.32	1627	8.23	2.63	0.32	1634	8.14	2.61	0.32	1686	8.03	2.57	0.32	1757	7.89	2.52	0.32	1870	7.70	2.46	0.32	1952	7.48	2.39	0.32	2023	6.86	2.20	0.32	2143	5.66	1.81	0.32	2222
	27	18	8.13	6.83	0.84	1518	8.04	6.76	0.84	1532	7.96	6.68	0.84	1546	7.86	6.60	0.84	1558	7.78	6.53	0.84	1566	7.69	6.46	0.84	1618	7.59	6.37	0.84	1689	7.45	6.26	0.84	1804	7.28	6.11	0.84	1887	7.07	5.94	0.84	1958	6.49	5.45	0.84	2080	5.35	4.50	0.84	2159
	27	19	8.29	6.47	0.78	1528	8.21	6.40	0.78	1542	8.12	6.33	0.78	1556	8.02	6.25	0.78	1568	7.94	6.19	0.78	1576	7.85	6.12	0.78	1628	7.74	6.04	0.78	1699	7.60	5.93	0.78	1814	7.43	5.79	0.78	1897	7.21	5.62	0.78	1968	6.62	5.16	0.78	2090	5.46	4.26	0.78	2169
	27	20	8.37	6.03	0.72	1543	8.29	5.97	0.72	1557	8.20	5.90	0.72	1571	8.10	5.83	0.72	1583	8.02	5.77	0.72	1591	7.93	5.71	0.72	1643	7.82	5.63	0.72	1714	7.68	5.53	0.72	1829	7.50	5.40	0.72	1912	7.28	5.24	0.72	1983	6.68	4.81	0.72	2105	5.52	3.97	0.72	2184
	27	22	8.52	5.11	0.60	1560	8.43	5.06	0.60	1574	8.34	5.00	0.60	1588	8.23	4.94	0.60	1600	8.15	4.89	0.60	1608	8.06	4.84	0.60	1660	7.95	4.77	0.60	1731	7.81	4.69	0.60	1846	7.63	4.58	0.60	1929	7.41	4.44	0.60	2000	6.80	4.08	0.60	2122	5.61	3.37	0.60	2201
	27	24	8.64	4.15	0.48	1580	8.55	4.10	0.48	1594	8.46	4.06	0.48	1608	8.35	4.01	0.48	1620	8.27	3.97	0.48	1628	8.18	3.92	0.48	1680	8.06	3.87	0.48	1751	7.92	3.80	0.48	1866	7.73	3.71	0.48	1949	7.51	3.60	0.48	2020	6.89	3.31	0.48	2142	5.69	2.		

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
100%	21	18	6.78	4.07	0.60	1394	6.71	4.03	0.60	1406	6.64	3.98	0.60	1419	6.55	3.93	0.60	1431	6.49	3.89	0.60	1438	6.42	3.85	0.60	1486	6.33	3.80	0.60	1552	6.22	3.73	0.60	1656	6.07	3.64	0.60	1733	5.89	3.54	0.60	1798	5.41	3.25	0.60	1910	4.46	2.68	0.60	1983
100%	21	20	7.06	3.39	0.48	1417	6.99	3.35	0.48	1430	6.91	3.32	0.48	1443	6.82	3.27	0.48	1454	6.75	3.24	0.48	1462	6.68	3.21	0.48	1510	6.59	3.16	0.48	1575	6.47	3.11	0.48	1680	6.32	3.03	0.48	1757	6.14	2.95	0.48	1822	5.63	2.70	0.48	1934	4.65	2.23	0.48	2007
100%	22	18	6.99	4.47	0.64	1408	6.92	4.43	0.64	1421	6.84	4.38	0.64	1434	6.75	4.32	0.64	1445	6.69	4.28	0.64	1453	6.61	4.23	0.64	1501	6.52	4.17	0.64	1567	6.41	4.10	0.64	1673	6.26	4.00	0.64	1751	6.07	3.89	0.64	1816	5.58	3.57	0.64	1930	4.60	2.94	0.64	2003
100%	22	20	7.20	3.74	0.52	1432	7.13	3.71	0.52	1444	7.05	3.67	0.52	1457	6.96	3.62	0.52	1469	6.89	3.58	0.52	1476	6.82	3.54	0.52	1525	6.72	3.50	0.52	1591	6.60	3.43	0.52	1697	6.45	3.35	0.52	1774	6.26	3.26	0.52	1840	5.75	2.99	0.52	1953	4.74	2.47	0.52	2027
100%	22	22	7.32	2.93	0.40	1448	7.25	2.90	0.40	1461	7.17	2.87	0.40	1474	7.08	2.83	0.40	1485	7.01	2.80	0.40	1493	6.93	2.77	0.40	1541	6.84	2.73	0.40	1607	6.72	2.69	0.40	1713	6.56	2.62	0.40	1791	6.37	2.55	0.40	1856	5.85	2.34	0.40	1970	4.82	1.93	0.40	2043
100%	23	18	7.13	4.85	0.68	1422	7.06	4.80	0.68	1435	6.98	4.75	0.68	1448	6.89	4.69	0.68	1460	6.82	4.64	0.68	1467	6.75	4.59	0.68	1516	6.66	4.53	0.68	1583	6.54	4.45	0.68	1690	6.38	4.34	0.68	1768	6.20	4.22	0.68	1835	5.69	3.87	0.68	1949	4.69	3.19	0.68	2024
100%	23	20	7.35	4.11	0.56	1446	7.27	4.07	0.56	1459	7.19	4.03	0.56	1472	7.10	3.98	0.56	1484	7.03	3.94	0.56	1491	6.96	3.90	0.56	1540	6.86	3.84	0.56	1607	6.74	3.77	0.56	1714	6.58	3.69	0.56	1792	6.39	3.58	0.56	1859	5.86	3.28	0.56	1973	4.84	2.71	0.56	2048
100%	23	22	7.47	3.29	0.44	1462	7.40	3.25	0.44	1475	7.32	3.22	0.44	1489	7.22	3.18	0.44	1500	7.15	3.15	0.44	1508	7.07	3.11	0.44	1556	6.98	3.07	0.44	1623	6.85	3.02	0.44	1730	6.69	2.94	0.44	1809	6.50	2.86	0.44	1875	5.96	2.62	0.44	1989	4.92	2.17	0.44	2064
100%	24	18	7.27	5.24	0.72	1436	7.20	5.19	0.72	1450	7.12	5.13	0.72	1463	7.03	5.06	0.72	1475	6.96	5.01	0.72	1482	6.89	4.96	0.72	1531	6.79	4.89	0.72	1599	6.67	4.80	0.72	1707	6.52	4.69	0.72	1786	6.33	4.55	0.72	1853	5.81	4.18	0.72	1969	4.79	3.45	0.72	2044
100%	24	20	7.50	4.50	0.60	1461	7.42	4.45	0.60	1474	7.34	4.40	0.60	1487	7.25	4.35	0.60	1499	7.18	4.31	0.60	1506	7.10	4.26	0.60	1556	7.00	4.20	0.60	1623	6.88	4.13	0.60	1731	6.71	4.03	0.60	1810	6.52	3.91	0.60	1878	5.98	3.59	0.60	1993	4.94	2.96	0.60	2068
100%	24	22	7.62	3.66	0.48	1477	7.55	3.62	0.48	1490	7.47	3.58	0.48	1504	7.37	3.54	0.48	1515	7.30	3.50	0.48	1523	7.22	3.46	0.48	1572	7.12	3.42	0.48	1640	6.99	3.36	0.48	1748	6.83	3.28	0.48	1827	6.63	3.18	0.48	1894	6.09	2.92	0.48	2010	5.02	2.41	0.48	2085
100%	24	24	7.73	2.78	0.36	1497	7.65	2.76	0.36	1510	7.57	2.73	0.36	1523	7.47	2.69	0.36	1535	7.40	2.66	0.36	1542	7.32	2.63	0.36	1592	7.22	2.60	0.36	1659	7.09	2.55	0.36	1767	6.92	2.49	0.36	1846	6.72	2.42	0.36	1913	6.17	2.22	0.36	2029	5.09	1.83	0.36	2104
100%	25	18	7.50	5.70	0.76	1451	7.42	5.64	0.76	1464	7.34	5.58	0.76	1478	7.25	5.51	0.76	1490	7.18	5.46	0.76	1497	7.10	5.40	0.76	1547	7.00	5.32	0.76	1615	6.88	5.23	0.76	1724	6.72	5.10	0.76	1804	6.52	4.96	0.76	1872	5.99	4.55	0.76	1989	4.94	3.75	0.76	2065
100%	25	20	7.73	4.95	0.64	1475	7.65	4.90	0.64	1489	7.57	4.84	0.64	1502	7.47	4.78	0.64	1514	7.40	4.73	0.64	1522	7.32	4.68	0.64	1571	7.22	4.62	0.64	1640	7.09	4.54	0.64	1749	6.92	4.43	0.64	1829	6.72	4.30	0.64	1896	6.17	3.95	0.64	2013	5.09	3.26	0.64	2089
100%	25	22	7.86	4.09	0.52	1492	7.78	4.05	0.52	1505	7.70	4.00	0.52	1519	7.60	3.95	0.52	1531	7.52	3.91	0.52	1538	7.44	3.87	0.52	1588	7.34	3.82	0.52	1656	7.21	3.75	0.52	1766	7.04	3.66	0.52	1845	6.83	3.55	0.52	1913	6.27	3.26	0.52	2030	5.18	2.69	0.52	2106
100%	25	24	7.97	3.19	0.40	1512	7.89	3.16	0.40	1525	7.81	3.12	0.40	1538	7.70	3.08	0.40	1550	7.63	3.05	0.40	1558	7.55	3.02	0.40	1608	7.44	2.98	0.40	1676	7.31	2.92	0.40	1785	7.14	2.86	0.40	1865	6.93	2.77	0.40	1933	6.36	2.54	0.40	2049	5.25	2.10	0.40	2125
100%	26	18	7.73	6.18	0.80	1466	7.65	6.12	0.80	1479	7.57	6.06	0.80	1493	7.47	5.98	0.80	1505	7.40	5.92	0.80	1512	7.32	5.86	0.80	1563	7.22	5.77	0.80	1631	7.09	5.67	0.80	1742	6.92	5.54	0.80	1822	6.72	5.38	0.80	1891	6.17	4.94	0.80	2009	5.09	4.07	0.80	2085
100%	26	20	7.97	5.42	0.68	1490	7.89	5.36	0.68	1504	7.80	5.31	0.68	1517	7.70	5.24	0.68	1529	7.63	5.19	0.68	1537	7.54	5.13	0.68	1587	7.44	5.06	0.68	1656	7.31	4.97	0.68	1767	7.14	4.85	0.68	1847	6.93	4.71	0.68	1916	6.36	4.33	0.68	2033	5.25	3.57	0.68	2110
100%	26	22	8.10	4.54	0.56	1507	8.02	4.49	0.56	1521	7.94	4.44	0.56	1534	7.83	4.39	0.56	1546	7.76	4.34	0.56	1554	7.67	4.30	0.56	1604	7.57	4.24	0.56	1673	7.43	4.16	0.56	1783	7.26	4.06	0.56	1864	7.05	3.95	0.56	1932	6.47	3.62	0.56	2050	5.34	2.99	0.56	2127
100%	26	24	8.22	3.62	0.44	1527	8.14	3.58	0.44	1540	8.05	3.54	0.44	1554	7.94	3.50	0.44	1566	7.86	3.46	0.44	1574	7.78	3.42	0.44	1624	7.67	3.38	0.44	1693	7.54	3.32	0.44	1803	7.36	3.24	0.44	1884	7.15	3.14	0.44	1952	6.56	2.89	0.44	2070	5.41	2.38	0.44	2147
100%	26	26	8.35	2.67	0.32	1550	8.27	2.64	0.32	1563	8.18	2.62	0.32	1577	8.07	2.58	0.32	1589	7.99	2.56	0.32	1596	7.90	2.53	0.32	1647	7.79	2.49	0.32	1716	7.66	2.45	0.32	1826	7.48	2.39	0.32	1907	7.26	2.32	0.32	1975	6.66	2.13	0.32	2093	5.50	1.76	0.32	2170
100%	27	18	7.89	6.63	0.84	1480	7.81	6.56	0.84	1494	7.73	6.49	0.84	1508	7.63	6.41	0.84	1520	7.55	6.34	0.84	1528	7.47	6.27	0.84	1578	7.37	6.19	0.84	1648	7.24	6.08	0.84	1759	7.07	5.94	0.84	1841	6.86	5.76	0.84	1910	6.30	5.29	0.84	2029	5.20	4.36	0.84	2107
100%	27	19	8.05	6.28	0.78	1490	7.97	6.22	0.78	1504	7.88	6.15	0.78	1518	7.78	6.07	0.78	1530	7.70	6.01	0.78	1538	7.62	5.94	0.78	1588	7.52	5.86	0.78	1658	7.38	5.76	0.78	1769	7.21	5.62	0.78	1851	7.00	5.46	0.78	1920	6.43	5.01	0.78	2039	5.30	4.14	0.78	2117
100%	27	20	8.13	5.85	0.72	1505	8.05	5.80	0.72	1519	7.96	5.73	0.72	1533	7.86	5.66	0.72	1545	7.78	5.60	0.72	1553	7.70	5.54	0.72	1603	7.59	5.47	0.72	1673	7.46	5.37	0.72	1784	7.28	5.24	0.72	1866	7.07	5.09	0.72	1935	6.49	4.67	0.72	2054	5.35	3.86	0.72	2132
100%	27	22	8.27	4.96	0.60	1522	8.19	4.91	0.60	1536	8.10	4.86	0.60	1550	7.99	4.80	0.60	1562	7.91	4.75	0.60	1570	7.83	4.70	0.60	1620	7.72	4.63	0.60	1690	7.58	4.55	0.60	1801	7.41	4.44	0.60	1883	7.19	4.31	0.60	1952	6.60	3.96	0.60	2071	5.45	3.27	0.60	2149
100%	27	24	8.38	4.02	0.48	1542	8.30	3.98	0.48	1556	8.21	3.94	0.48	1570	8.11	3.89	0.48	1582	8.03	3.85	0.48	1590	7.94	3.81	0.48	1640																								

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
90%	21	18	6.64	3.98	0.60	1380	6.58	3.95	0.60	1392	6.50	3.90	0.60	1405	6.42	3.85	0.60	1416	6.36	3.81	0.60	1424	6.29	3.77	0.60	1471	6.20	3.72	0.60	1536	6.09	3.65	0.60	1640	5.95	3.57	0.60	1716	5.77	3.46	0.60	1780	5.30	3.18	0.60	1891	4.37	2.62	0.60	1963
	21	20	6.91	3.32	0.48	1403	6.85	3.29	0.48	1416	6.77	3.25	0.48	1429	6.68	3.21	0.48	1440	6.62	3.18	0.48	1447	6.55	3.14	0.48	1495	6.46	3.10	0.48	1559	6.34	3.04	0.48	1663	6.19	2.97	0.48	1739	6.01	2.89	0.48	1804	5.52	2.65	0.48	1915	4.55	2.19	0.48	1987
	22	18	6.85	4.38	0.64	1394	6.78	4.34	0.64	1406	6.70	4.29	0.64	1419	6.62	4.24	0.64	1431	6.55	4.19	0.64	1438	6.48	4.15	0.64	1486	6.39	4.09	0.64	1551	6.28	4.02	0.64	1656	6.13	3.92	0.64	1733	5.95	3.81	0.64	1798	5.47	3.50	0.64	1910	4.51	2.89	0.64	1983
	22	20	7.06	3.67	0.52	1417	6.99	3.63	0.52	1430	6.91	3.59	0.52	1443	6.82	3.55	0.52	1455	6.75	3.51	0.52	1462	6.68	3.47	0.52	1510	6.59	3.43	0.52	1575	6.47	3.37	0.52	1680	6.32	3.29	0.52	1757	6.14	3.19	0.52	1822	5.63	2.93	0.52	1934	4.65	2.42	0.52	2007
	22	22	7.18	2.87	0.40	1434	7.10	2.84	0.40	1446	7.03	2.81	0.40	1459	6.94	2.77	0.40	1471	6.87	2.75	0.40	1478	6.79	2.72	0.40	1526	6.70	2.68	0.40	1591	6.58	2.63	0.40	1696	6.43	2.57	0.40	1773	6.24	2.50	0.40	1838	5.73	2.29	0.40	1950	4.73	1.89	0.40	2023
	23	18	6.99	4.75	0.68	1408	6.92	4.70	0.68	1421	6.84	4.65	0.68	1434	6.75	4.59	0.68	1445	6.69	4.55	0.68	1453	6.61	4.50	0.68	1501	6.52	4.44	0.68	1567	6.41	4.36	0.68	1673	6.26	4.25	0.68	1751	6.07	4.13	0.68	1816	5.58	3.79	0.68	1930	4.60	3.13	0.68	2003
	23	20	7.20	4.03	0.56	1432	7.13	3.99	0.56	1445	7.05	3.95	0.56	1458	6.96	3.90	0.56	1469	6.89	3.86	0.56	1477	6.82	3.82	0.56	1525	6.72	3.76	0.56	1591	6.60	3.70	0.56	1697	6.45	3.61	0.56	1775	6.26	3.51	0.56	1840	5.75	3.22	0.56	1954	4.74	2.66	0.56	2027
	23	22	7.32	3.22	0.44	1448	7.25	3.19	0.44	1461	7.17	3.16	0.44	1474	7.08	3.11	0.44	1486	7.01	3.08	0.44	1493	6.93	3.05	0.44	1541	6.84	3.01	0.44	1607	6.72	2.95	0.44	1713	6.56	2.89	0.44	1791	6.37	2.80	0.44	1857	5.85	2.57	0.44	1970	4.82	2.12	0.44	2044
	24	18	7.13	5.13	0.72	1422	7.06	5.08	0.72	1435	6.98	5.03	0.72	1448	6.89	4.96	0.72	1460	6.82	4.91	0.72	1467	6.75	4.86	0.72	1516	6.66	4.79	0.72	1583	6.54	4.71	0.72	1690	6.38	4.60	0.72	1768	6.20	4.46	0.72	1835	5.69	4.10	0.72	1949	4.69	3.38	0.72	2023
	24	20	7.35	4.41	0.60	1446	7.27	4.36	0.60	1459	7.19	4.32	0.60	1472	7.10	4.26	0.60	1484	7.03	4.22	0.60	1491	6.96	4.17	0.60	1540	6.86	4.12	0.60	1607	6.74	4.04	0.60	1714	6.58	3.95	0.60	1793	6.39	3.83	0.60	1859	5.86	3.52	0.60	1973	4.84	2.90	0.60	2048
	24	22	7.47	3.59	0.48	1463	7.40	3.55	0.48	1476	7.32	3.51	0.48	1489	7.22	3.47	0.48	1501	7.15	3.43	0.48	1508	7.07	3.40	0.48	1557	6.98	3.35	0.48	1624	6.85	3.29	0.48	1731	6.69	3.21	0.48	1809	6.50	3.12	0.48	1875	5.96	2.86	0.48	1990	4.92	2.36	0.48	2064
	24	24	7.58	2.73	0.36	1482	7.50	2.70	0.36	1495	7.42	2.67	0.36	1508	7.32	2.64	0.36	1520	7.25	2.61	0.36	1527	7.17	2.58	0.36	1576	7.07	2.55	0.36	1643	6.95	2.50	0.36	1750	6.79	2.44	0.36	1828	6.59	2.37	0.36	1895	6.05	2.18	0.36	2009	4.99	1.80	0.36	2084
	25	18	7.35	5.59	0.76	1436	7.28	5.53	0.76	1449	7.20	5.47	0.76	1463	7.10	5.40	0.76	1475	7.03	5.35	0.76	1482	6.96	5.29	0.76	1531	6.86	5.21	0.76	1599	6.74	5.12	0.76	1707	6.58	5.00	0.76	1786	6.39	4.86	0.76	1853	5.87	4.46	0.76	1969	4.84	3.68	0.76	2044
	25	20	7.57	4.85	0.64	1461	7.50	4.80	0.64	1474	7.42	4.75	0.64	1487	7.32	4.69	0.64	1499	7.25	4.64	0.64	1507	7.17	4.59	0.64	1556	7.07	4.53	0.64	1623	6.95	4.45	0.64	1732	6.78	4.34	0.64	1811	6.59	4.22	0.64	1878	6.05	3.87	0.64	1993	4.99	3.19	0.64	2068
	25	22	7.70	4.01	0.52	1477	7.63	3.97	0.52	1491	7.54	3.92	0.52	1504	7.45	3.87	0.52	1516	7.37	3.83	0.52	1523	7.29	3.79	0.52	1573	7.19	3.74	0.52	1640	7.06	3.67	0.52	1748	6.90	3.59	0.52	1827	6.70	3.48	0.52	1894	6.15	3.20	0.52	2010	5.07	2.64	0.52	2085
	25	24	7.81	3.12	0.40	1497	7.73	3.09	0.40	1510	7.65	3.06	0.40	1523	7.55	3.02	0.40	1535	7.48	2.99	0.40	1543	7.39	2.96	0.40	1592	7.29	2.92	0.40	1660	7.16	2.87	0.40	1768	7.00	2.80	0.40	1847	6.79	2.72	0.40	1914	6.24	2.49	0.40	2029	5.14	2.06	0.40	2105
	26	18	7.58	6.06	0.80	1451	7.50	6.00	0.80	1464	7.42	5.94	0.80	1477	7.32	5.86	0.80	1489	7.25	5.80	0.80	1497	7.17	5.74	0.80	1547	7.07	5.66	0.80	1615	6.95	5.56	0.80	1724	6.79	5.43	0.80	1804	6.59	5.27	0.80	1872	6.05	4.84	0.80	1989	4.99	3.99	0.80	2065
	26	20	7.81	5.31	0.68	1476	7.73	5.26	0.68	1489	7.65	5.20	0.68	1502	7.55	5.13	0.68	1514	7.47	5.08	0.68	1522	7.39	5.03	0.68	1572	7.29	4.96	0.68	1640	7.16	4.87	0.68	1749	6.99	4.76	0.68	1829	6.79	4.62	0.68	1897	6.23	4.24	0.68	2013	5.14	3.50	0.68	2089
	26	22	7.94	4.45	0.56	1492	7.86	4.40	0.56	1506	7.78	4.35	0.56	1519	7.68	4.30	0.56	1531	7.60	4.26	0.56	1539	7.52	4.21	0.56	1588	7.41	4.15	0.56	1657	7.28	4.08	0.56	1766	7.11	3.98	0.56	1846	6.91	3.87	0.56	1913	6.34	3.55	0.56	2030	5.23	2.93	0.56	2106
	26	24	8.05	3.54	0.44	1512	7.97	3.51	0.44	1525	7.89	3.47	0.44	1539	7.78	3.43	0.44	1551	7.71	3.39	0.44	1558	7.62	3.35	0.44	1608	7.52	3.31	0.44	1676	7.39	3.25	0.44	1786	7.21	3.17	0.44	1866	7.00	3.08	0.44	1933	6.43	2.83	0.44	2050	5.30	2.33	0.44	2126
	26	26	8.18	2.62	0.32	1535	8.10	2.59	0.32	1548	8.01	2.56	0.32	1562	7.91	2.53	0.32	1574	7.83	2.51	0.32	1581	7.75	2.48	0.32	1631	7.64	2.44	0.32	1699	7.50	2.40	0.32	1808	7.33	2.34	0.32	1888	7.11	2.28	0.32	1956	6.53	2.09	0.32	2073	5.39	1.72	0.32	2149
	27	18	7.73	6.49	0.84	1465	7.65	6.43	0.84	1479	7.57	6.36	0.84	1492	7.47	6.28	0.84	1505	7.40	6.22	0.84	1512	7.32	6.15	0.84	1562	7.22	6.06	0.84	1631	7.09	5.96	0.84	1742	6.92	5.82	0.84	1822	6.72	5.65	0.84	1891	6.17	5.18	0.84	2009	5.09	4.28	0.84	2085
	27	19	7.89	6.15	0.78	1475	7.81	6.09	0.78	1489	7.73	6.03	0.78	1502	7.63	5.95	0.78	1515	7.55	5.89	0.78	1522	7.47	5.83	0.78	1572	7.37	5.75	0.78	1641	7.24	5.64	0.78	1752	7.07	5.51	0.78	1832	6.86	5.35	0.78	1901	6.30	4.91	0.78	2019	5.20	4.05	0.78	2095
	27	20	7.97	5.74	0.72	1490	7.89	5.68	0.72	1504	7.80	5.62	0.72	1517	7.70	5.55	0.72	1530	7.63	5.49	0.72	1537	7.54	5.43	0.72	1587	7.44	5.36	0.72	1656	7.31	5.26	0.72	1767	7.14	5.14	0.72	1847	6.93	4.99	0.72	1916	6.36	4.58	0.72	2034	5.25	3.78	0.72	2110
	27	22	8.10	4.86	0.60	1507	8.02	4.81	0.60	1521	7.94	4.76	0.60	1534	7.83	4.70	0.60	1547	7.76	4.65	0.60	1554	7.67	4.60	0.60	1604	7.57	4.54	0.60	1673	7.43	4.46	0.60	1784	7.26	4.35	0.60	1864	7.05	4.23	0.60	1933	6.47	3.88	0.60	2051	5.34	3.20	0.60	2127
	27	24	8.22	3.94	0.48	1527	8.14	3.90	0.48	1541	8.05	3.86	0.48	1554	7.94	3.81	0.48	1567	7.86	3.78	0.48	1574	7.78	3.73	0.48	1624	7.67	3.68	0.48	1693	7.54	3.62	0.48	1804	7.36	3.53	0.48	1884	7.15	3.43	0.48	1953	6.56	3.15	0.48	2071	5.41	2.6		

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW3-24U4RJC(AUS) CAPACITY: 7.0 kW SHF: 0.78 INPUT: 1920 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
80%	21	18	6.44	3.86	0.60	1366	6.37	3.82	0.60	1378	6.30	3.78	0.60	1391	6.22	3.73	0.60	1402	6.16	3.70	0.60	1409	6.09	3.66	0.60	1456	6.01	3.61	0.60	1520	5.90	3.54	0.60	1623	5.77	3.46	0.60	1698	5.60	3.36	0.60	1762	5.14	3.08	0.60	1872	4.24	2.54	0.60	1943
	21	20	6.70	3.22	0.48	1389	6.64	3.19	0.48	1402	6.56	3.15	0.48	1414	6.48	3.11	0.48	1426	6.42	3.08	0.48	1433	6.35	3.05	0.48	1480	6.26	3.00	0.48	1544	6.15	2.95	0.48	1647	6.00	2.88	0.48	1722	5.83	2.80	0.48	1786	5.35	2.57	0.48	1895	4.41	2.12	0.48	1967
	22	18	6.64	4.25	0.64	1379	6.57	4.21	0.64	1392	6.50	4.16	0.64	1405	6.42	4.11	0.64	1416	6.35	4.07	0.64	1423	6.28	4.02	0.64	1471	6.20	3.97	0.64	1536	6.09	3.90	0.64	1640	5.94	3.80	0.64	1715	5.77	3.69	0.64	1780	5.30	3.39	0.64	1891	4.37	2.80	0.64	1963
	22	20	6.84	3.56	0.52	1403	6.77	3.52	0.52	1416	6.70	3.48	0.52	1429	6.61	3.44	0.52	1440	6.55	3.40	0.52	1447	6.48	3.37	0.52	1495	6.39	3.32	0.52	1559	6.27	3.26	0.52	1663	6.13	3.19	0.52	1739	5.95	3.09	0.52	1804	5.46	2.84	0.52	1915	4.50	2.34	0.52	1987
	22	22	6.96	2.78	0.40	1419	6.89	2.75	0.40	1432	6.81	2.72	0.40	1445	6.72	2.69	0.40	1456	6.66	2.66	0.40	1463	6.59	2.63	0.40	1511	6.49	2.60	0.40	1576	6.38	2.55	0.40	1679	6.23	2.49	0.40	1755	6.05	2.42	0.40	1820	5.55	2.22	0.40	1931	4.58	1.83	0.40	2003
	23	18	6.77	4.61	0.68	1393	6.71	4.56	0.68	1406	6.63	4.51	0.68	1419	6.55	4.45	0.68	1431	6.48	4.41	0.68	1438	6.41	4.36	0.68	1486	6.32	4.30	0.68	1551	6.21	4.22	0.68	1656	6.07	4.12	0.68	1733	5.89	4.00	0.68	1798	5.41	3.68	0.68	1910	4.46	3.03	0.68	1983
	23	20	6.98	3.91	0.56	1417	6.91	3.87	0.56	1430	6.84	3.83	0.56	1443	6.75	3.78	0.56	1455	6.68	3.74	0.56	1462	6.61	3.70	0.56	1510	6.52	3.65	0.56	1575	6.40	3.58	0.56	1680	6.25	3.50	0.56	1757	6.07	3.40	0.56	1822	5.57	3.12	0.56	1934	4.60	2.57	0.56	2007
	23	22	7.10	3.12	0.44	1434	7.03	3.09	0.44	1447	6.95	3.06	0.44	1459	6.86	3.02	0.44	1471	6.79	2.99	0.44	1478	6.72	2.96	0.44	1526	6.63	2.92	0.44	1592	6.51	2.86	0.44	1696	6.36	2.80	0.44	1773	6.17	2.72	0.44	1838	5.67	2.49	0.44	1950	4.67	2.06	0.44	2023
	24	18	6.91	4.98	0.72	1407	6.84	4.93	0.72	1420	6.77	4.87	0.72	1433	6.68	4.81	0.72	1445	6.61	4.76	0.72	1452	6.54	4.71	0.72	1501	6.45	4.65	0.72	1567	6.34	4.56	0.72	1673	6.19	4.46	0.72	1750	6.01	4.33	0.72	1816	5.52	3.97	0.72	1929	4.55	3.28	0.72	2003
	24	20	7.12	4.27	0.60	1432	7.05	4.23	0.60	1445	6.97	4.18	0.60	1458	6.89	4.13	0.60	1469	6.82	4.09	0.60	1477	6.74	4.05	0.60	1525	6.65	3.99	0.60	1591	6.53	3.92	0.60	1697	6.38	3.83	0.60	1775	6.19	3.72	0.60	1840	5.69	3.41	0.60	1953	4.69	2.81	0.60	2027
	24	22	7.24	3.48	0.48	1448	7.17	3.44	0.48	1461	7.09	3.40	0.48	1474	7.00	3.36	0.48	1486	6.93	3.33	0.48	1493	6.86	3.29	0.48	1541	6.76	3.25	0.48	1608	6.64	3.19	0.48	1714	6.49	3.11	0.48	1791	6.30	3.02	0.48	1857	5.78	2.78	0.48	1970	4.77	2.29	0.48	2044
	24	24	7.34	2.64	0.36	1468	7.27	2.62	0.36	1481	7.19	2.59	0.36	1494	7.10	2.56	0.36	1505	7.03	2.53	0.36	1512	6.95	2.50	0.36	1561	6.86	2.47	0.36	1627	6.74	2.42	0.36	1733	6.58	2.37	0.36	1810	6.39	2.30	0.36	1876	5.86	2.11	0.36	1989	4.84	1.74	0.36	2063
	25	18	7.12	5.41	0.76	1422	7.05	5.36	0.76	1435	6.98	5.30	0.76	1448	6.89	5.23	0.76	1460	6.82	5.18	0.76	1467	6.74	5.13	0.76	1516	6.65	5.06	0.76	1583	6.53	4.97	0.76	1690	6.38	4.85	0.76	1768	6.20	4.71	0.76	1834	5.69	4.32	0.76	1949	4.69	3.57	0.76	2023
	25	20	7.34	4.70	0.64	1446	7.27	4.65	0.64	1459	7.19	4.60	0.64	1472	7.10	4.54	0.64	1484	7.03	4.50	0.64	1491	6.95	4.45	0.64	1540	6.86	4.39	0.64	1607	6.73	4.31	0.64	1714	6.58	4.21	0.64	1792	6.38	4.09	0.64	1859	5.86	3.75	0.64	1973	4.84	3.09	0.64	2048
	25	22	7.47	3.88	0.52	1463	7.39	3.84	0.52	1476	7.31	3.80	0.52	1489	7.22	3.75	0.52	1501	7.15	3.72	0.52	1508	7.07	3.68	0.52	1557	6.97	3.63	0.52	1624	6.85	3.56	0.52	1731	6.69	3.48	0.52	1809	6.49	3.38	0.52	1876	5.96	3.10	0.52	1990	4.92	2.56	0.52	2064
	25	24	7.57	3.03	0.40	1482	7.50	3.00	0.40	1495	7.41	2.97	0.40	1509	7.32	2.93	0.40	1520	7.25	2.90	0.40	1528	7.17	2.87	0.40	1577	7.07	2.83	0.40	1643	6.94	2.78	0.40	1751	6.78	2.71	0.40	1829	6.58	2.63	0.40	1895	6.04	2.42	0.40	2009	4.99	1.99	0.40	2084
	26	18	7.34	5.88	0.80	1436	7.27	5.82	0.80	1449	7.19	5.75	0.80	1462	7.10	5.68	0.80	1474	7.03	5.62	0.80	1482	6.95	5.56	0.80	1531	6.86	5.49	0.80	1599	6.74	5.39	0.80	1707	6.58	5.26	0.80	1786	6.39	5.11	0.80	1853	5.86	4.69	0.80	1968	4.84	3.87	0.80	2044
	26	20	7.57	5.15	0.68	1461	7.49	5.10	0.68	1474	7.41	5.04	0.68	1487	7.32	4.98	0.68	1499	7.25	4.93	0.68	1507	7.17	4.87	0.68	1556	7.07	4.81	0.68	1623	6.94	4.72	0.68	1732	6.78	4.61	0.68	1811	6.58	4.48	0.68	1878	6.04	4.11	0.68	1993	4.99	3.39	0.68	2068
	26	22	7.70	4.31	0.56	1478	7.62	4.27	0.56	1491	7.54	4.22	0.56	1504	7.44	4.17	0.56	1516	7.37	4.13	0.56	1523	7.29	4.08	0.56	1573	7.19	4.02	0.56	1640	7.06	3.95	0.56	1748	6.89	3.86	0.56	1827	6.69	3.75	0.56	1894	6.15	3.44	0.56	2010	5.07	2.84	0.56	2085
	26	24	7.81	3.43	0.44	1497	7.73	3.40	0.44	1511	7.64	3.36	0.44	1524	7.55	3.32	0.44	1536	7.47	3.29	0.44	1543	7.39	3.25	0.44	1592	7.29	3.21	0.44	1660	7.16	3.15	0.44	1768	6.99	3.08	0.44	1847	6.79	2.99	0.44	1914	6.23	2.74	0.44	2030	5.14	2.26	0.44	2105
	26	26	7.93	2.54	0.32	1520	7.85	2.51	0.32	1533	7.77	2.49	0.32	1547	7.67	2.45	0.32	1558	7.59	2.43	0.32	1566	7.51	2.40	0.32	1615	7.40	2.37	0.32	1683	7.27	2.33	0.32	1791	7.10	2.27	0.32	1870	6.90	2.21	0.32	1937	6.33	2.03	0.32	2053	5.22	1.67	0.32	2128
	27	18	7.49	6.30	0.84	1451	7.42	6.23	0.84	1464	7.34	6.16	0.84	1477	7.25	6.09	0.84	1489	7.17	6.03	0.84	1497	7.10	5.96	0.84	1547	7.00	5.88	0.84	1615	6.87	5.77	0.84	1724	6.71	5.64	0.84	1804	6.52	5.47	0.84	1872	5.98	5.03	0.84	1988	4.94	4.15	0.84	2064
	27	19	7.65	5.96	0.78	1461	7.57	5.91	0.78	1474	7.49	5.84	0.78	1487	7.39	5.77	0.78	1499	7.32	5.71	0.78	1507	7.24	5.65	0.78	1557	7.14	5.57	0.78	1625	7.01	5.47	0.78	1734	6.85	5.34	0.78	1814	6.65	5.19	0.78	1882	6.10	4.76	0.78	1998	5.04	3.93	0.78	2074
	27	20	7.72	5.56	0.72	1476	7.65	5.51	0.72	1489	7.56	5.45	0.72	1502	7.47	5.38	0.72	1514	7.39	5.32	0.72	1522	7.31	5.27	0.72	1572	7.21	5.19	0.72	1640	7.08	5.10	0.72	1749	6.92	4.98	0.72	1829	6.72	4.84	0.72	1897	6.17	4.44	0.72	2013	5.09	3.66	0.72	2089
	27	22	7.85	4.71	0.60	1493	7.78	4.67	0.60	1506	7.69	4.62	0.60	1519	7.59	4.56	0.60	1531	7.52	4.51	0.60	1539	7.44	4.46	0.60	1589	7.33	4.40	0.60	1657	7.20	4.32	0.60	1766	7.04	4.22	0.60	1846	6.83	4.10	0.60	1914	6.27	3.76	0.60	2030	5.17	3.10	0.60	2106
	27	24	7.96	3.82	0.48	1513	7.89	3.79	0.48	1526	7.80	3.74	0.48	1539	7.70	3.70	0.48	1551	7.62	3.66	0.48	1559	7.54	3.62	0.48	1609	7.44	3.57	0.48	1677	7.31	3.51	0.48	1786	7.13	3.42	0.48	1866	6.93	3.32	0.48	1934	6.36	3.05	0.48	2050	5.25	2.5		

4. CAPACITIES AND SELECTION DATA

24K

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	5.78	1928	6.80	1987	7.56	2007	8.31	2048	9.03	2156	9.75	2264	10.24	2332	10.55	2379
	16	5.71	1943	6.72	2003	7.47	2024	8.21	2065	8.92	2174	9.64	2282	10.12	2351	10.42	2398
	17	5.65	1959	6.64	2020	7.38	2040	8.11	2082	8.82	2191	9.52	2301	10.00	2370	10.30	2417
	18	5.58	1975	6.56	2036	7.29	2056	8.01	2098	8.71	2209	9.41	2319	9.88	2389	10.18	2437
	19	5.51	1991	6.49	2052	7.21	2073	7.92	2115	8.61	2227	9.30	2338	9.76	2408	10.05	2456
	20	5.46	2007	6.42	2069	7.14	2090	7.84	2132	8.52	2245	9.21	2357	9.67	2428	9.96	2476
	21	5.39	2029	6.35	2092	7.05	2113	7.75	2156	8.42	2269	9.09	2383	9.55	2454	9.84	2503
	22	5.33	2051	6.27	2115	6.97	2136	7.65	2180	8.32	2294	8.99	2409	9.43	2481	9.72	2531
	23	5.26	2074	6.19	2138	6.88	2159	7.56	2204	8.22	2320	8.88	2435	9.32	2509	9.60	2559
	24	5.20	2097	6.12	2161	6.80	2183	7.47	2228	8.12	2345	8.77	2462	9.21	2536	9.49	2587
	25	5.14	2120	6.05	2185	6.72	2207	7.38	2252	8.02	2371	8.67	2489	9.10	2564	9.37	2615
	26	5.08	2143	5.97	2209	6.64	2232	7.29	2277	7.93	2397	8.56	2517	8.99	2592	9.26	2644
	27	5.02	2167	5.90	2234	6.56	2256	7.21	2302	7.83	2423	8.46	2544	8.88	2621	9.15	2673
	28	4.96	2190	5.83	2258	6.48	2281	7.12	2327	7.74	2450	8.36	2572	8.78	2650	9.04	2703
29	4.90	2214	5.76	2283	6.40	2306	7.03	2353	7.65	2477	8.26	2601	8.67	2679	8.93	2732	
30	4.84	2239	5.69	2308	6.32	2331	6.95	2379	7.55	2504	8.16	2629	8.57	2708	8.82	2762	
120%	15	5.61	1836	6.61	1893	7.34	1912	8.06	1951	8.77	2054	9.47	2156	9.94	2221	10.24	2265
	16	5.55	1851	6.53	1908	7.25	1927	7.97	1967	8.66	2070	9.36	2174	9.82	2239	10.12	2284
	17	5.48	1866	6.45	1923	7.17	1943	7.87	1983	8.56	2087	9.24	2191	9.71	2257	10.00	2302
	18	5.42	1881	6.37	1939	7.08	1959	7.78	1998	8.46	2104	9.13	2209	9.59	2275	9.88	2321
	19	5.35	1896	6.30	1955	7.00	1974	7.69	2015	8.36	2121	9.03	2227	9.48	2293	9.76	2339
	20	5.30	1911	6.24	1970	6.93	1990	7.61	2031	8.28	2138	8.94	2245	9.38	2312	9.67	2358
	21	5.24	1932	6.16	1992	6.84	2012	7.52	2053	8.18	2161	8.83	2269	9.27	2337	9.55	2384
	22	5.17	1954	6.09	2014	6.76	2034	7.43	2076	8.08	2185	8.72	2294	9.16	2363	9.43	2410
	23	5.11	1975	6.01	2036	6.68	2057	7.34	2099	7.98	2209	8.62	2320	9.05	2389	9.32	2437
	24	5.05	1997	5.94	2058	6.60	2079	7.25	2122	7.88	2233	8.52	2345	8.94	2415	9.21	2464
	25	4.99	2019	5.87	2081	6.52	2102	7.17	2145	7.79	2258	8.41	2371	8.83	2442	9.10	2491
	26	4.93	2041	5.80	2104	6.44	2125	7.08	2169	7.70	2283	8.31	2397	8.73	2469	8.99	2518
	27	4.87	2063	5.73	2127	6.37	2149	7.00	2192	7.60	2308	8.21	2423	8.62	2496	8.88	2546
	28	4.81	2086	5.66	2151	6.29	2172	6.91	2217	7.51	2333	8.11	2450	8.52	2523	8.78	2574
29	4.75	2109	5.59	2174	6.21	2196	6.83	2241	7.42	2359	8.02	2477	8.42	2551	8.67	2602	
30	4.70	2132	5.53	2198	6.14	2220	6.75	2266	7.33	2385	7.92	2504	8.32	2579	8.57	2631	
110%	15	5.45	1800	6.41	1856	7.13	1874	7.83	1913	8.51	2013	9.19	2114	9.65	2177	9.94	2221
	16	5.39	1815	6.34	1871	7.04	1890	7.74	1928	8.41	2030	9.08	2131	9.54	2195	9.82	2239
	17	5.32	1829	6.26	1886	6.96	1905	7.65	1944	8.31	2046	8.98	2148	9.42	2213	9.71	2257
	18	5.26	1844	6.19	1901	6.87	1920	7.55	1959	8.21	2062	8.87	2166	9.31	2231	9.59	2275
	19	5.20	1859	6.11	1916	6.79	1936	7.47	1975	8.11	2079	8.76	2183	9.20	2249	9.48	2293
	20	5.15	1874	6.05	1932	6.73	1951	7.39	1991	8.03	2096	8.68	2201	9.11	2267	9.38	2312
	21	5.08	1894	5.98	1953	6.65	1973	7.30	2013	7.94	2119	8.57	2225	9.00	2292	9.27	2337
	22	5.02	1915	5.91	1974	6.57	1994	7.21	2035	7.84	2142	8.47	2249	8.89	2317	9.16	2363
	23	4.96	1936	5.84	1996	6.49	2016	7.13	2057	7.75	2166	8.37	2274	8.79	2342	9.05	2389
	24	4.90	1958	5.77	2018	6.41	2038	7.04	2080	7.66	2190	8.27	2299	8.68	2368	8.94	2415
	25	4.84	1979	5.70	2040	6.33	2061	6.96	2103	7.56	2214	8.17	2324	8.58	2394	8.83	2442
	26	4.79	2001	5.63	2063	6.26	2084	6.87	2126	7.47	2238	8.07	2350	8.47	2420	8.73	2469
	27	4.73	2023	5.56	2085	6.18	2107	6.79	2150	7.38	2263	7.97	2376	8.37	2447	8.62	2496
	28	4.67	2045	5.50	2108	6.11	2130	6.71	2173	7.29	2288	7.88	2402	8.27	2474	8.52	2523
29	4.62	2068	5.43	2132	6.03	2153	6.63	2197	7.21	2313	7.78	2428	8.17	2501	8.42	2551	
30	4.56	2090	5.37	2155	5.96	2177	6.55	2221	7.12	2338	7.69	2455	8.07	2529	8.32	2579	

4. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	5.29	1748	6.23	1802	6.92	1820	7.60	1857	8.26	1955	8.92	2052	9.37	2114	9.65	2156
	16	5.23	1762	6.15	1816	6.84	1834	7.51	1872	8.17	1970	8.82	2069	9.26	2131	9.54	2174
	17	5.17	1776	6.08	1831	6.75	1849	7.42	1887	8.07	1986	8.71	2086	9.15	2148	9.42	2191
	18	5.11	1790	6.01	1846	6.67	1864	7.33	1902	7.97	2002	8.61	2102	9.04	2166	9.31	2209
	19	5.05	1805	5.94	1860	6.60	1879	7.25	1918	7.88	2019	8.51	2119	8.93	2183	9.20	2227
	20	5.00	1819	5.88	1875	6.53	1894	7.18	1933	7.80	2035	8.42	2137	8.85	2201	9.11	2245
	21	4.94	1839	5.81	1896	6.45	1915	7.09	1954	7.71	2057	8.32	2160	8.74	2225	9.00	2269
	22	4.88	1859	5.74	1917	6.37	1936	7.00	1976	7.61	2080	8.22	2184	8.63	2249	8.89	2294
	23	4.82	1880	5.67	1938	6.30	1958	6.92	1998	7.52	2103	8.12	2208	8.53	2274	8.79	2320
	24	4.76	1901	5.60	1959	6.22	1979	6.84	2020	7.43	2126	8.03	2232	8.43	2299	8.68	2345
	25	4.70	1921	5.53	1981	6.15	2001	6.76	2042	7.34	2149	7.93	2257	8.33	2324	8.58	2371
	26	4.65	1943	5.47	2003	6.07	2023	6.67	2064	7.25	2173	7.84	2281	8.23	2350	8.47	2397
	27	4.59	1964	5.40	2025	6.00	2045	6.59	2087	7.17	2197	7.74	2307	8.13	2376	8.37	2423
	28	4.54	1986	5.34	2047	5.93	2068	6.52	2110	7.08	2221	7.65	2332	8.03	2402	8.27	2450
29	4.48	2007	5.27	2069	5.86	2090	6.44	2133	7.00	2245	7.56	2358	7.93	2428	8.17	2477	
30	4.43	2029	5.21	2092	5.79	2113	6.36	2157	6.91	2270	7.47	2384	7.84	2455	8.07	2504	
90%	15	5.11	1716	6.01	1769	6.68	1787	7.34	1824	7.97	1920	8.61	2015	9.04	2076	9.31	2117
	16	5.05	1730	5.94	1783	6.60	1801	7.25	1838	7.88	1935	8.51	2032	8.94	2093	9.20	2135
	17	4.99	1744	5.87	1798	6.52	1816	7.16	1853	7.79	1951	8.41	2048	8.83	2110	9.09	2152
	18	4.93	1758	5.80	1812	6.44	1831	7.08	1868	7.69	1966	8.31	2065	8.72	2127	8.99	2169
	19	4.87	1772	5.73	1827	6.36	1845	6.99	1883	7.60	1982	8.21	2081	8.62	2144	8.88	2187
	20	4.82	1786	5.67	1842	6.30	1860	6.92	1898	7.53	1998	8.13	2098	8.54	2161	8.79	2204
	21	4.76	1806	5.60	1862	6.23	1881	6.84	1919	7.44	2020	8.03	2121	8.43	2185	8.69	2228
	22	4.71	1826	5.54	1882	6.15	1901	6.76	1940	7.35	2042	7.94	2144	8.33	2209	8.58	2253
	23	4.65	1846	5.47	1903	6.08	1922	6.68	1962	7.26	2065	7.84	2168	8.23	2233	8.48	2278
	24	4.59	1866	5.40	1924	6.00	1943	6.60	1983	7.17	2088	7.75	2192	8.13	2258	8.38	2303
	25	4.54	1887	5.34	1945	5.93	1965	6.52	2005	7.09	2111	7.65	2216	8.04	2283	8.28	2328
	26	4.48	1908	5.28	1967	5.86	1986	6.44	2027	7.00	2134	7.56	2240	7.94	2308	8.18	2354
	27	4.43	1929	5.21	1988	5.79	2008	6.36	2049	6.92	2157	7.47	2265	7.84	2333	8.08	2380
	28	4.38	1950	5.15	2010	5.72	2030	6.29	2072	6.83	2181	7.38	2290	7.75	2359	7.98	2406
29	4.32	1971	5.09	2032	5.65	2053	6.21	2095	6.75	2205	7.29	2315	7.66	2385	7.89	2432	
30	4.27	1993	5.03	2055	5.58	2075	6.14	2118	6.67	2229	7.20	2341	7.56	2411	7.79	2459	
80%	15	4.95	1699	5.83	1751	6.48	1769	7.12	1805	7.73	1900	8.35	1995	8.77	2055	9.03	2096
	16	4.89	1713	5.76	1766	6.40	1783	7.03	1820	7.64	1916	8.25	2011	8.67	2072	8.93	2113
	17	4.84	1726	5.69	1780	6.32	1798	6.95	1835	7.55	1931	8.16	2028	8.56	2088	8.82	2130
	18	4.78	1740	5.62	1794	6.25	1812	6.87	1849	7.46	1947	8.06	2044	8.46	2105	8.72	2147
	19	4.72	1754	5.56	1809	6.17	1827	6.78	1864	7.37	1962	7.96	2060	8.36	2122	8.61	2165
	20	4.68	1769	5.50	1823	6.11	1842	6.72	1879	7.30	1978	7.89	2077	8.28	2139	8.53	2182
	21	4.62	1788	5.44	1843	6.04	1862	6.64	1900	7.21	2000	7.79	2100	8.18	2163	8.43	2206
	22	4.56	1808	5.37	1864	5.97	1882	6.56	1921	7.13	2022	7.70	2123	8.08	2187	8.32	2230
	23	4.51	1828	5.31	1884	5.90	1903	6.48	1942	7.04	2044	7.60	2146	7.99	2211	8.22	2255
	24	4.46	1848	5.24	1905	5.82	1924	6.40	1963	6.96	2067	7.51	2170	7.89	2235	8.13	2280
	25	4.40	1868	5.18	1926	5.75	1945	6.32	1985	6.87	2089	7.42	2194	7.79	2260	8.03	2305
	26	4.35	1889	5.12	1947	5.69	1967	6.25	2007	6.79	2112	7.33	2218	7.70	2285	7.93	2330
	27	4.30	1909	5.06	1968	5.62	1988	6.17	2029	6.71	2136	7.25	2242	7.61	2310	7.84	2356
	28	4.25	1930	4.99	1990	5.55	2010	6.10	2051	6.63	2159	7.16	2267	7.52	2335	7.74	2382
29	4.19	1952	4.93	2012	5.48	2032	6.03	2074	6.55	2183	7.07	2292	7.43	2361	7.65	2408	
30	4.14	1973	4.88	2034	5.42	2055	5.95	2097	6.47	2207	6.99	2317	7.34	2387	7.56	2434	

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

27K

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-27U4RJC(AUS) CAPACITY: 8.0 kW SHF: 0.78 INPUT: 2230 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
130%	21	18	8.21	4.93	0.60	1694	8.13	4.88	0.60	1709	8.04	4.82	0.60	1725	7.94	4.76	0.60	1739	7.86	4.71	0.60	1747	7.77	4.66	0.60	1806	7.66	4.60	0.60	1885	7.53	4.52	0.60	2013	7.35	4.41	0.60	2106	7.14	4.28	0.60	2185	6.55	3.93	0.60	2321	5.41	3.24	0.60	2409
	21	20	8.55	4.10	0.48	1717	8.46	4.06	0.48	1733	8.37	4.02	0.48	1748	8.26	3.97	0.48	1762	8.18	3.93	0.48	1771	8.09	3.88	0.48	1829	7.98	3.83	0.48	1909	7.84	3.76	0.48	2036	7.66	3.67	0.48	2129	7.43	3.57	0.48	2208	6.82	3.28	0.48	2344	5.63	2.70	0.48	2433
	22	18	8.46	5.42	0.64	1711	8.38	5.36	0.64	1726	8.29	5.30	0.64	1742	8.18	5.24	0.64	1756	8.10	5.18	0.64	1765	8.01	5.13	0.64	1824	7.90	5.06	0.64	1904	7.76	4.97	0.64	2033	7.58	4.85	0.64	2127	7.36	4.71	0.64	2207	6.76	4.32	0.64	2344	5.57	3.57	0.64	2433
	22	20	8.72	4.54	0.52	1735	8.64	4.49	0.52	1750	8.54	4.44	0.52	1766	8.43	4.38	0.52	1780	8.35	4.34	0.52	1789	8.26	4.29	0.52	1848	8.14	4.23	0.52	1928	8.00	4.16	0.52	2057	7.81	4.06	0.52	2151	7.58	3.94	0.52	2230	6.96	3.62	0.52	2368	5.74	2.99	0.52	2457
	22	22	8.87	3.55	0.40	1751	8.78	3.51	0.40	1766	8.69	3.47	0.40	1782	8.58	3.43	0.40	1796	8.49	3.40	0.40	1805	8.40	3.36	0.40	1864	8.28	3.31	0.40	1944	8.14	3.25	0.40	2073	7.95	3.18	0.40	2167	7.71	3.09	0.40	2247	7.08	2.83	0.40	2384	5.84	2.34	0.40	2473
	23	18	8.64	5.87	0.68	1728	8.55	5.81	0.68	1744	8.46	5.75	0.68	1760	8.35	5.68	0.68	1774	8.27	5.62	0.68	1783	8.18	5.56	0.68	1842	8.06	5.48	0.68	1923	7.92	5.39	0.68	2053	7.73	5.26	0.68	2148	7.51	5.11	0.68	2229	6.89	4.69	0.68	2368	5.69	3.87	0.68	2458
	23	20	8.90	4.98	0.56	1752	8.81	4.93	0.56	1768	8.72	4.88	0.56	1784	8.60	4.82	0.56	1798	8.52	4.77	0.56	1807	8.43	4.72	0.56	1866	8.31	4.65	0.56	1947	8.16	4.57	0.56	2077	7.97	4.46	0.56	2172	7.74	4.33	0.56	2253	7.10	3.98	0.56	2392	5.86	3.28	0.56	2482
	23	22	9.05	3.98	0.44	1768	8.96	3.94	0.44	1784	8.86	3.90	0.44	1800	8.75	3.85	0.44	1814	8.66	3.81	0.44	1823	8.57	3.77	0.44	1883	8.45	3.72	0.44	1964	8.30	3.65	0.44	2094	8.11	3.57	0.44	2189	7.87	3.46	0.44	2269	7.23	3.18	0.44	2408	5.96	2.62	0.44	2498
	24	18	8.81	6.34	0.72	1745	8.72	6.28	0.72	1761	8.63	6.21	0.72	1778	8.52	6.13	0.72	1792	8.43	6.07	0.72	1801	8.34	6.01	0.72	1861	8.23	5.92	0.72	1943	8.08	5.82	0.72	2074	7.89	5.68	0.72	2170	7.66	5.52	0.72	2251	7.03	5.06	0.72	2392	5.80	4.18	0.72	2483
	24	20	9.08	5.45	0.60	1770	8.99	5.40	0.60	1786	8.89	5.34	0.60	1802	8.78	5.27	0.60	1816	8.69	5.22	0.60	1825	8.60	5.16	0.60	1885	8.48	5.09	0.60	1967	8.33	5.00	0.60	2098	8.13	4.88	0.60	2194	7.90	4.74	0.60	2276	7.25	4.35	0.60	2416	5.98	3.59	0.60	2507
	24	22	9.24	4.43	0.48	1786	9.14	4.39	0.48	1802	9.05	4.34	0.48	1818	8.93	4.29	0.48	1833	8.84	4.24	0.48	1842	8.74	4.20	0.48	1902	8.62	4.14	0.48	1984	8.47	4.07	0.48	2115	8.27	3.97	0.48	2211	8.03	3.86	0.48	2292	7.37	3.54	0.48	2432	6.08	2.92	0.48	2524
	24	24	9.37	3.37	0.36	1806	9.27	3.34	0.36	1822	9.17	3.30	0.36	1838	9.05	3.26	0.36	1852	8.96	3.23	0.36	1861	8.87	3.19	0.36	1921	8.74	3.15	0.36	2003	8.59	3.09	0.36	2134	8.39	3.02	0.36	2230	8.14	2.93	0.36	2312	7.48	2.69	0.36	2452	6.17	2.22	0.36	2543
	25	18	9.08	6.90	0.76	1763	8.99	6.84	0.76	1779	8.90	6.76	0.76	1795	8.78	6.67	0.76	1810	8.70	6.61	0.76	1819	8.60	6.54	0.76	1880	8.48	6.45	0.76	1962	8.33	6.33	0.76	2095	8.14	6.18	0.76	2192	7.90	6.00	0.76	2274	7.25	5.51	0.76	2416	5.98	4.55	0.76	2508
	25	20	9.36	5.99	0.64	1788	9.27	5.93	0.64	1804	9.17	5.87	0.64	1820	9.05	5.79	0.64	1835	8.96	5.74	0.64	1844	8.86	5.67	0.64	1904	8.74	5.59	0.64	1987	8.59	5.50	0.64	2120	8.39	5.37	0.64	2216	8.14	5.21	0.64	2299	7.47	4.78	0.64	2440	6.17	3.95	0.64	2532
	25	22	9.52	4.95	0.52	1804	9.43	4.90	0.52	1820	9.32	4.85	0.52	1837	9.21	4.79	0.52	1851	9.11	4.74	0.52	1860	9.01	4.69	0.52	1921	8.89	4.62	0.52	2004	8.73	4.54	0.52	2136	8.53	4.43	0.52	2233	8.28	4.31	0.52	2315	7.60	3.95	0.52	2457	6.27	3.26	0.52	2549
	25	24	9.65	3.86	0.40	1824	9.56	3.82	0.40	1840	9.46	3.78	0.40	1856	9.33	3.73	0.40	1871	9.24	3.70	0.40	1880	9.14	3.66	0.40	1940	9.01	3.61	0.40	2023	8.86	3.54	0.40	2156	8.65	3.46	0.40	2253	8.40	3.36	0.40	2335	7.71	3.08	0.40	2477	6.36	2.54	0.40	2569
	26	18	9.37	7.49	0.80	1781	9.27	7.42	0.80	1797	9.17	7.34	0.80	1814	9.05	7.24	0.80	1828	8.96	7.17	0.80	1838	8.87	7.09	0.80	1899	8.74	7.00	0.80	1982	8.59	6.87	0.80	2116	8.39	6.71	0.80	2214	8.14	6.52	0.80	2297	7.48	5.98	0.80	2440	6.17	4.93	0.80	2533
	26	20	9.65	6.56	0.68	1806	9.56	6.50	0.68	1822	9.45	6.43	0.68	1838	9.33	6.35	0.68	1853	9.24	6.28	0.68	1862	9.14	6.21	0.68	1923	9.01	6.13	0.68	2007	8.85	6.02	0.68	2141	8.65	5.88	0.68	2239	8.39	5.71	0.68	2322	7.71	5.24	0.68	2465	6.36	4.32	0.68	2558
	26	22	9.82	5.50	0.56	1823	9.72	5.44	0.56	1839	9.61	5.38	0.56	1855	9.49	5.31	0.56	1870	9.40	5.26	0.56	1879	9.29	5.20	0.56	1940	9.17	5.13	0.56	2024	9.00	5.04	0.56	2158	8.79	4.92	0.56	2256	8.54	4.78	0.56	2339	7.84	4.39	0.56	2482	6.46	3.62	0.56	2575
	26	24	9.95	4.38	0.44	1842	9.86	4.34	0.44	1859	9.75	4.29	0.44	1875	9.62	4.23	0.44	1890	9.53	4.19	0.44	1899	9.42	4.15	0.44	1960	9.29	4.09	0.44	2044	9.13	4.02	0.44	2178	8.92	3.92	0.44	2275	8.66	3.81	0.44	2359	7.95	3.50	0.44	2502	6.56	2.88	0.44	2595
	26	26	10.11	3.24	0.32	1865	10.01	3.20	0.32	1881	9.90	3.17	0.32	1898	9.78	3.13	0.32	1912	9.68	3.10	0.32	1922	9.57	3.06	0.32	1983	9.44	3.02	0.32	2066	9.28	2.97	0.32	2200	9.06	2.90	0.32	2298	8.79	2.81	0.32	2381	8.07	2.58	0.32	2524	6.66	2.13	0.32	2617
	27	18	9.56	8.03	0.84	1799	9.46	7.95	0.84	1815	9.36	7.86	0.84	1832	9.24	7.76	0.84	1847	9.15	7.68	0.84	1856	9.05	7.60	0.84	1918	8.92	7.50	0.84	2002	8.77	7.36	0.84	2138	8.56	7.19	0.84	2236	8.31	6.98	0.84	2320	7.63	6.41	0.84	2465	6.29	5.29	0.84	2559
	27	19	9.75	7.61	0.78	1809	9.65	7.53	0.78	1825	9.55	7.45	0.78	1842	9.43	7.35	0.78	1857	9.33	7.28	0.78	1866	9.23	7.20	0.78	1928	9.11	7.10	0.78	2012	8.94	6.98	0.78	2148	8.73	6.81	0.78	2246	8.48	6.61	0.78	2330	7.78	6.07	0.78	2475	6.42	5.01	0.78	2569
	27	20	9.85	7.09	0.72	1824	9.75	7.02	0.72	1840	9.65	6.94	0.72	1857	9.52	6.86	0.72	1872	9.43	6.79	0.72	1881	9.32	6.71	0.72	1943	9.20	6.62	0.72	2027	9.03	6.50	0.72	2163	8.82	6.35	0.72	2261	8.56	6.17	0.72	2345	7.86	5.66	0.72	2490	6.49	4.67	0.72	2584
	27	22	10.02	6.01	0.60	1841	9.92	5.95	0.60	1857	9.81	5.89	0.60	1874	9.68	5.81	0.60	1889	9.59	5.75	0.60	1898	9.48	5.69	0.60	1960	9.35	5.61	0.60	2044	9.19	5.51	0.60	2180	8.97	5.38	0.60	2278	8.71	5.23	0.60	2362	8.00	4.80	0.60	2507	6.60	3.96	0.60	2601
	27	24	10.16	4.88	0.48	1861	10.06	4.83	0.48	1877	9.95	4.77	0.48	1894	9.82	4.71	0.48	1909	9.72	4.67	0.48	1918	9.62	4.62	0.48	1980	9.48	4.55	0.48	2064	9.32	4.47	0.48	2200	9.10	4.37	0.48	2298	8.83	4.24	0.48	2382	8.11							

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-27U4RJC(AUS) CAPACITY: 8.0 kW SHF: 0.78 INPUT: 2230 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
120%	21	18	8.13	4.88	0.60	1677	8.05	4.83	0.60	1693	7.96	4.78	0.60	1708	7.86	4.72	0.60	1722	7.78	4.67	0.60	1731	7.70	4.62	0.60	1788	7.59	4.56	0.60	1867	7.46	4.47	0.60	1993	7.28	4.37	0.60	2085	7.07	4.24	0.60	2164	6.49	3.89	0.60	2298	5.36	3.21	0.60	2386
	21	20	8.47	4.06	0.48	1701	8.38	4.02	0.48	1716	8.29	3.98	0.48	1732	8.19	3.93	0.48	1746	8.10	3.89	0.48	1754	8.02	3.85	0.48	1812	7.91	3.79	0.48	1891	7.77	3.73	0.48	2017	7.58	3.64	0.48	2109	7.36	3.53	0.48	2187	6.76	3.24	0.48	2322	5.58	2.68	0.48	2410
	22	18	8.38	5.37	0.64	1694	8.30	5.31	0.64	1710	8.21	5.25	0.64	1725	8.10	5.19	0.64	1739	8.02	5.14	0.64	1748	7.94	5.08	0.64	1806	7.83	5.01	0.64	1886	7.69	4.92	0.64	2013	7.51	4.81	0.64	2106	7.29	4.67	0.64	2185	6.69	4.28	0.64	2322	5.52	3.53	0.64	2410
	22	20	8.64	4.49	0.52	1718	8.55	4.45	0.52	1734	8.46	4.40	0.52	1749	8.35	4.34	0.52	1763	8.27	4.30	0.52	1772	8.18	4.25	0.52	1830	8.07	4.19	0.52	1910	7.92	4.12	0.52	2037	7.74	4.02	0.52	2130	7.51	3.91	0.52	2209	6.90	3.59	0.52	2345	5.69	2.96	0.52	2434
	22	22	8.79	3.51	0.40	1734	8.70	3.48	0.40	1750	8.60	3.44	0.40	1765	8.49	3.40	0.40	1779	8.41	3.36	0.40	1788	8.32	3.33	0.40	1846	8.20	3.28	0.40	1926	8.06	3.22	0.40	2053	7.87	3.15	0.40	2146	7.64	3.06	0.40	2225	7.01	2.81	0.40	2361	5.79	2.31	0.40	2450
	23	18	8.55	5.82	0.68	1711	8.47	5.76	0.68	1727	8.38	5.70	0.68	1743	8.27	5.62	0.68	1757	8.19	5.57	0.68	1766	8.10	5.51	0.68	1825	7.99	5.43	0.68	1905	7.85	5.34	0.68	2034	7.66	5.21	0.68	2128	7.44	5.06	0.68	2207	6.83	4.64	0.68	2345	5.63	3.83	0.68	2434
	23	20	8.82	4.94	0.56	1735	8.73	4.89	0.56	1751	8.63	4.83	0.56	1767	8.52	4.77	0.56	1781	8.44	4.73	0.56	1790	8.35	4.67	0.56	1849	8.23	4.61	0.56	1929	8.09	4.53	0.56	2058	7.90	4.42	0.56	2152	7.67	4.29	0.56	2232	7.04	3.94	0.56	2369	5.81	3.25	0.56	2458
	23	22	8.97	3.95	0.44	1752	8.88	3.91	0.44	1767	8.78	3.86	0.44	1783	8.67	3.81	0.44	1797	8.58	3.78	0.44	1806	8.49	3.74	0.44	1865	8.37	3.68	0.44	1945	8.22	3.62	0.44	2074	8.03	3.53	0.44	2168	7.80	3.43	0.44	2248	7.16	3.15	0.44	2385	5.90	2.60	0.44	2475
	24	18	8.73	6.28	0.72	1729	8.64	6.22	0.72	1744	8.55	6.15	0.72	1760	8.44	6.08	0.72	1775	8.36	6.02	0.72	1784	8.26	5.95	0.72	1843	8.15	5.87	0.72	1924	8.01	5.76	0.72	2054	7.82	5.63	0.72	2149	7.59	5.47	0.72	2230	6.97	5.02	0.72	2369	5.75	4.14	0.72	2459
	24	20	9.00	5.40	0.60	1753	8.91	5.34	0.60	1769	8.81	5.29	0.60	1785	8.70	5.22	0.60	1799	8.61	5.17	0.60	1808	8.52	5.11	0.60	1867	8.40	5.04	0.60	1948	8.25	4.95	0.60	2078	8.06	4.83	0.60	2173	7.82	4.69	0.60	2254	7.18	4.31	0.60	2393	5.92	3.55	0.60	2483
	24	22	9.15	4.39	0.48	1769	9.06	4.35	0.48	1785	8.96	4.30	0.48	1801	8.84	4.25	0.48	1815	8.76	4.20	0.48	1824	8.66	4.16	0.48	1884	8.54	4.10	0.48	1965	8.39	4.03	0.48	2095	8.19	3.93	0.48	2190	7.96	3.82	0.48	2271	7.30	3.51	0.48	2409	6.03	2.89	0.48	2500
	24	24	9.28	3.34	0.36	1789	9.19	3.31	0.36	1805	9.09	3.27	0.36	1821	8.97	3.23	0.36	1835	8.88	3.20	0.36	1844	8.78	3.16	0.36	1903	8.66	3.12	0.36	1984	8.51	3.06	0.36	2114	8.31	2.99	0.36	2209	8.07	2.90	0.36	2290	7.41	2.67	0.36	2429	6.11	2.20	0.36	2519
	25	18	9.00	6.84	0.76	1746	8.91	6.77	0.76	1762	8.81	6.70	0.76	1778	8.70	6.61	0.76	1793	8.61	6.55	0.76	1802	8.52	6.47	0.76	1862	8.40	6.39	0.76	1944	8.25	6.27	0.76	2075	8.06	6.13	0.76	2171	7.83	5.95	0.76	2252	7.18	5.46	0.76	2393	5.93	4.50	0.76	2484
	25	20	9.27	5.94	0.64	1771	9.18	5.88	0.64	1787	9.08	5.81	0.64	1803	8.97	5.74	0.64	1817	8.88	5.68	0.64	1826	8.78	5.62	0.64	1886	8.66	5.54	0.64	1968	8.51	5.44	0.64	2099	8.31	5.32	0.64	2195	8.06	5.16	0.64	2277	7.40	4.74	0.64	2417	6.11	3.91	0.64	2508
	25	22	9.43	4.90	0.52	1787	9.34	4.86	0.52	1803	9.24	4.80	0.52	1819	9.12	4.74	0.52	1834	9.03	4.69	0.52	1843	8.93	4.64	0.52	1903	8.81	4.58	0.52	1985	8.65	4.50	0.52	2116	8.45	4.39	0.52	2212	8.20	4.27	0.52	2293	7.53	3.92	0.52	2434	6.21	3.23	0.52	2525
	25	24	9.56	3.83	0.40	1807	9.47	3.79	0.40	1823	9.37	3.75	0.40	1839	9.25	3.70	0.40	1853	9.15	3.66	0.40	1862	9.05	3.62	0.40	1922	8.93	3.57	0.40	2004	8.77	3.51	0.40	2136	8.57	3.43	0.40	2232	8.32	3.33	0.40	2313	7.63	3.05	0.40	2453	6.30	2.52	0.40	2545
	26	18	9.28	7.42	0.80	1764	9.19	7.35	0.80	1780	9.09	7.27	0.80	1796	8.97	7.17	0.80	1811	8.88	7.10	0.80	1820	8.78	7.03	0.80	1880	8.66	6.93	0.80	1963	8.51	6.81	0.80	2096	8.31	6.65	0.80	2193	8.07	6.45	0.80	2275	7.41	5.92	0.80	2417	6.11	4.89	0.80	2509
	26	20	9.56	6.50	0.68	1789	9.47	6.44	0.68	1805	9.36	6.37	0.68	1821	9.24	6.29	0.68	1835	9.15	6.22	0.68	1845	9.05	6.16	0.68	1905	8.93	6.07	0.68	1988	8.77	5.96	0.68	2121	8.56	5.82	0.68	2218	8.31	5.65	0.68	2300	7.63	5.19	0.68	2441	6.30	4.28	0.68	2534
	26	22	9.72	5.45	0.56	1805	9.63	5.39	0.56	1821	9.52	5.33	0.56	1838	9.40	5.26	0.56	1852	9.31	5.21	0.56	1861	9.21	5.16	0.56	1922	9.08	5.08	0.56	2005	8.92	4.99	0.56	2137	8.71	4.88	0.56	2234	8.46	4.74	0.56	2317	7.76	4.35	0.56	2458	6.40	3.59	0.56	2551
	26	24	9.86	4.34	0.44	1825	9.76	4.30	0.44	1841	9.66	4.25	0.44	1858	9.53	4.19	0.44	1872	9.44	4.15	0.44	1881	9.33	4.11	0.44	1942	9.21	4.05	0.44	2025	9.04	3.98	0.44	2157	8.83	3.89	0.44	2254	8.57	3.77	0.44	2336	7.87	3.46	0.44	2478	6.49	2.86	0.44	2570
	26	26	10.02	3.21	0.32	1848	9.92	3.17	0.32	1864	9.81	3.14	0.32	1880	9.68	3.10	0.32	1895	9.59	3.07	0.32	1904	9.48	3.03	0.32	1965	9.35	2.99	0.32	2047	9.19	2.94	0.32	2180	8.97	2.87	0.32	2277	8.71	2.79	0.32	2359	8.00	2.56	0.32	2501	6.60	2.11	0.32	2593
	27	18	9.47	7.95	0.84	1782	9.37	7.87	0.84	1798	9.27	7.79	0.84	1814	9.15	7.69	0.84	1829	9.06	7.61	0.84	1838	8.96	7.53	0.84	1899	8.84	7.42	0.84	1983	8.68	7.29	0.84	2117	8.48	7.12	0.84	2215	8.23	6.91	0.84	2298	7.56	6.35	0.84	2441	6.23	5.24	0.84	2534
	27	19	9.66	7.53	0.78	1792	9.56	7.46	0.78	1808	9.46	7.38	0.78	1824	9.34	7.28	0.78	1839	9.25	7.21	0.78	1848	9.15	7.13	0.78	1909	9.02	7.03	0.78	1993	8.86	6.91	0.78	2127	8.65	6.75	0.78	2225	8.40	6.55	0.78	2308	7.71	6.01	0.78	2451	6.36	4.96	0.78	2544
	27	20	9.76	7.02	0.72	1807	9.66	6.95	0.72	1823	9.55	6.88	0.72	1839	9.43	6.79	0.72	1854	9.34	6.72	0.72	1863	9.24	6.65	0.72	1924	9.11	6.56	0.72	2008	8.95	6.44	0.72	2142	8.74	6.29	0.72	2240	8.48	6.11	0.72	2323	7.79	5.61	0.72	2466	6.43	4.63	0.72	2559
	27	22	9.92	5.95	0.60	1824	9.82	5.89	0.60	1840	9.72	5.83	0.60	1856	9.59	5.76	0.60	1871	9.50	5.70	0.60	1880	9.39	5.64	0.60	1941	9.26	5.56	0.60	2025	9.10	5.46	0.60	2159	8.89	5.33	0.60	2257	8.63	5.18	0.60	2340	7.92	4.75	0.60	2483	6.53	3.92	0.60	2576
	27	24	10.06	4.83	0.48	1844	9.96	4.78	0.48	1860	9.85	4.73	0.48	1876	9.73	4.67	0.48	1891	9.63	4.62	0.48	1900	9.53	4.57	0.48	1961	9.39	4.51	0.48	2045	9.23	4.43	0.48	2179	9.01	4.33	0.48	2277	8.75	4.20	0.48	2360	8.03	3.86	0.48	2503	6.63			

4. CAPACITIES AND SELECTION DATA

		Cooling Operation PERFORMANCE DATA																																																				
		OUTDOOR DB (°C)																																																				
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-7				0				10				15				21				25				27				30				35				40				45				50			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
110%	21	18	3.58	2.23	0.62	355	3.58	2.23	0.62	395	3.58	2.23	0.62	435	3.97	2.48	0.62	462	3.97	2.48	0.62	516	6.05	3.77	0.62	1076	5.79	3.61	0.62	1132	5.56	3.47	0.62	1184	5.35	3.34	0.62	1239	5.05	3.15	0.62	1319	4.63	2.89	0.62	1401	4.29	2.67	0.62	1454	3.56	2.22	0.62	1509
	21	20	3.76	1.89	0.50	395	3.76	1.89	0.50	435	3.76	1.89	0.50	475	4.18	2.10	0.50	502	4.18	2.10	0.50	556	6.36	3.20	0.50	1109	6.08	3.06	0.50	1166	5.85	2.94	0.50	1220	5.62	2.83	0.50	1276	5.30	2.67	0.50	1359	4.87	2.45	0.50	1443	4.50	2.27	0.50	1498	3.74	1.88	0.50	1555
	22	18	3.58	2.37	0.66	355	3.58	2.37	0.66	395	3.58	2.37	0.66	435	3.97	2.64	0.66	462	3.97	2.64	0.66	516	6.05	4.01	0.66	1076	5.79	3.84	0.66	1132	5.56	3.69	0.66	1184	5.35	3.55	0.66	1239	5.05	3.35	0.66	1319	4.63	3.07	0.66	1401	4.29	2.84	0.66	1454	3.56	2.36	0.66	1509
	22	20	3.76	2.04	0.54	395	3.76	2.04	0.54	435	3.76	2.04	0.54	475	4.18	2.27	0.54	502	4.18	2.27	0.54	556	6.36	3.45	0.54	1109	6.08	3.30	0.54	1166	5.85	3.18	0.54	1220	5.62	3.06	0.54	1276	5.30	2.88	0.54	1359	4.87	2.65	0.54	1443	4.50	2.45	0.54	1498	3.74	2.03	0.54	1555
	22	22	3.99	1.69	0.42	434	3.99	1.69	0.42	474	3.99	1.69	0.42	514	4.43	1.87	0.42	541	4.43	1.87	0.42	595	6.74	2.85	0.42	1141	6.45	2.73	0.42	1200	6.20	2.62	0.42	1255	5.96	2.52	0.42	1313	5.62	2.38	0.42	1398	5.16	2.19	0.42	1485	4.77	2.02	0.42	1541	3.96	1.68	0.42	1600
	23	18	3.58	2.52	0.70	355	3.58	2.52	0.70	395	3.58	2.52	0.70	435	3.97	2.80	0.70	462	3.97	2.80	0.70	516	6.05	4.25	0.70	1076	5.79	4.07	0.70	1132	5.56	3.91	0.70	1184	5.35	3.76	0.70	1239	5.05	3.55	0.70	1319	4.63	3.26	0.70	1401	4.29	3.01	0.70	1454	3.56	2.50	0.70	1509
	23	20	3.76	2.19	0.58	395	3.76	2.19	0.58	435	3.76	2.19	0.58	475	4.18	2.44	0.58	502	4.18	2.44	0.58	556	6.36	3.71	0.58	1109	6.08	3.55	0.58	1166	5.85	3.41	0.58	1220	5.62	3.28	0.58	1276	5.30	3.09	0.58	1359	4.87	2.84	0.58	1443	4.50	2.63	0.58	1498	3.74	2.18	0.58	1555
	23	22	3.99	1.85	0.46	434	3.99	1.85	0.46	474	3.99	1.85	0.46	514	4.43	2.05	0.46	541	4.43	2.05	0.46	595	6.74	3.12	0.46	1141	6.45	2.99	0.46	1200	6.20	2.87	0.46	1255	5.96	2.76	0.46	1313	5.62	2.61	0.46	1398	5.16	2.39	0.46	1485	4.77	2.21	0.46	1541	3.96	1.84	0.46	1600
	24	18	3.58	2.66	0.74	355	3.58	2.66	0.74	395	3.58	2.66	0.74	435	3.97	2.95	0.74	462	3.97	2.95	0.74	516	6.05	4.50	0.74	1076	5.79	4.30	0.74	1132	5.56	4.14	0.74	1184	5.35	3.98	0.74	1239	5.05	3.75	0.74	1319	4.63	3.44	0.74	1401	4.29	3.19	0.74	1454	3.56	2.64	0.74	1509
	24	20	3.76	2.34	0.62	395	3.76	2.34	0.62	435	3.76	2.34	0.62	475	4.18	2.60	0.62	502	4.18	2.60	0.62	556	6.36	3.96	0.62	1109	6.08	3.79	0.62	1166	5.85	3.65	0.62	1220	5.62	3.51	0.62	1276	5.30	3.31	0.62	1359	4.87	3.04	0.62	1443	4.50	2.81	0.62	1498	3.74	2.33	0.62	1555
	24	22	3.99	2.01	0.50	434	3.99	2.01	0.50	474	3.99	2.01	0.50	514	4.43	2.23	0.50	541	4.43	2.23	0.50	595	6.74	3.39	0.50	1141	6.45	3.25	0.50	1200	6.20	3.12	0.50	1255	5.96	3.00	0.50	1313	5.62	2.83	0.50	1398	5.16	2.60	0.50	1485	4.77	2.40	0.50	1541	3.96	1.99	0.50	1600
	24	24	4.23	1.62	0.38	474	4.23	1.62	0.38	514	4.23	1.62	0.38	554	4.69	1.80	0.38	581	4.69	1.80	0.38	635	7.14	2.74	0.38	1174	6.83	2.62	0.38	1234	6.57	2.52	0.38	1291	6.32	2.42	0.38	1350	5.96	2.29	0.38	1438	5.47	2.10	0.38	1527	5.06	1.94	0.38	1585	4.20	1.61	0.38	1645
	25	18	3.58	2.80	0.78	355	3.58	2.80	0.78	395	3.58	2.80	0.78	435	3.97	3.11	0.78	462	3.97	3.11	0.78	516	6.05	4.74	0.78	1076	5.79	4.53	0.78	1132	5.56	4.36	0.78	1184	5.35	4.19	0.78	1239	5.05	3.95	0.78	1319	4.63	3.63	0.78	1401	4.29	3.36	0.78	1454	3.56	2.79	0.78	1509
	25	20	3.76	2.49	0.66	395	3.76	2.49	0.66	435	3.76	2.49	0.66	475	4.18	2.77	0.66	502	4.18	2.77	0.66	556	6.36	4.22	0.66	1109	6.08	4.03	0.66	1166	5.85	3.88	0.66	1220	5.62	3.73	0.66	1276	5.30	3.52	0.66	1359	4.87	3.23	0.66	1443	4.50	2.99	0.66	1498	3.74	2.48	0.66	1555
	25	22	3.99	2.17	0.54	434	3.99	2.17	0.54	474	3.99	2.17	0.54	514	4.43	2.41	0.54	541	4.43	2.41	0.54	595	6.74	3.66	0.54	1141	6.45	3.50	0.54	1200	6.20	3.37	0.54	1255	5.96	3.24	0.54	1313	5.62	3.06	0.54	1398	5.16	2.80	0.54	1485	4.77	2.59	0.54	1541	3.96	2.15	0.54	1600
	25	24	4.23	1.79	0.42	474	4.23	1.79	0.42	514	4.23	1.79	0.42	554	4.69	1.99	0.42	581	4.69	1.99	0.42	635	7.14	3.02	0.42	1174	6.83	2.89	0.42	1234	6.57	2.78	0.42	1291	6.32	2.67	0.42	1350	5.96	2.52	0.42	1438	5.47	2.32	0.42	1527	5.06	2.14	0.42	1585	4.20	1.78	0.42	1645
	26	18	3.58	2.95	0.82	355	3.58	2.95	0.82	395	3.58	2.95	0.82	435	3.97	3.27	0.82	462	3.97	3.27	0.82	516	6.05	4.98	0.82	1076	5.79	4.76	0.82	1132	5.56	4.58	0.82	1184	5.35	4.41	0.82	1239	5.05	4.16	0.82	1319	4.63	3.81	0.82	1401	4.29	3.53	0.82	1454	3.56	2.93	0.82	1509
	26	20	3.76	2.65	0.70	395	3.76	2.65	0.70	435	3.76	2.65	0.70	475	4.18	2.94	0.70	502	4.18	2.94	0.70	556	6.36	4.47	0.70	1109	6.08	4.28	0.70	1166	5.85	4.11	0.70	1220	5.62	3.96	0.70	1276	5.30	3.73	0.70	1359	4.87	3.43	0.70	1443	4.50	3.17	0.70	1498	3.74	2.63	0.70	1555
	26	22	3.99	2.33	0.58	434	3.99	2.33	0.58	474	3.99	2.33	0.58	514	4.43	2.58	0.58	541	4.43	2.58	0.58	595	6.74	3.93	0.58	1141	6.45	3.76	0.58	1200	6.20	3.62	0.58	1255	5.96	3.48	0.58	1313	5.62	3.28	0.58	1398	5.16	3.01	0.58	1485	4.77	2.79	0.58	1541	3.96	2.31	0.58	1600
	26	24	4.23	1.96	0.46	474	4.23	1.96	0.46	514	4.23	1.96	0.46	554	4.69	2.18	0.46	581	4.69	2.18	0.46	635	7.14	3.31	0.46	1174	6.83	3.17	0.46	1234	6.57	3.04	0.46	1291	6.32	2.93	0.46	1350	5.96	2.76	0.46	1438	5.47	2.54	0.46	1527	5.06	2.35	0.46	1585	4.20	1.95	0.46	1645
	26	26	4.44	1.52	0.34	514	4.44	1.52	0.34	554	4.44	1.52	0.34	594	4.93	1.69	0.34	621	4.93	1.69	0.34	675	7.50	2.57	0.34	1206	7.17	2.46	0.34	1268	6.90	2.37	0.34	1327	6.63	2.28	0.34	1388	6.26	2.15	0.34	1478	5.74	1.97	0.34	1570	5.31	1.82	0.34	1629	4.41	1.51	0.34	1691
	27	18	3.58	3.09	0.86	355	3.58	3.09	0.86	395	3.58	3.09	0.86	435	3.97	3.43	0.86	462	3.97	3.43	0.86	516	6.05	5.22	0.86	1076	5.79	5.00	0.86	1132	5.56	4.80	0.86	1184	5.35	4.62	0.86	1239	5.05	4.36	0.86	1319	4.63	4.00	0.86	1401	4.29	3.70	0.86	1454	3.56	3.07	0.86	1509
	27	19	3.65	2.93	0.80	375	3.65	2.93	0.80	415	3.65	2.93	0.80	455	4.06	3.26	0.80	482	4.06	3.26	0.80	536	6.17	4.96	0.80	1093	5.90	4.74	0.80	1149	5.68	4.56	0.80	1202	5.46	4.39	0.80	1257	5.15	4.14	0.80	1339	4.73	3.80	0.80	1422	4.37	3.51	0.80	1476	3.63	2.92	0.80	1532
	27	20	3.76	2.80	0.74	395	3.76	2.80	0.74	435	3.76	2.80	0.74	475	4.18	3.11	0.74	502	4.18	3.11	0.74	556	6.36	4.72	0.74	1109	6.08	4.52	0.74	1166	5.85	4.35	0.74	1220	5.62	4.18	0.74	1276	5.30	3.94	0.74	1359	4.87	3.62	0.74	1443	4.50	3.35	0.74	1498	3.74	2.78	0.74	1555
	27	22	3.99	2.49	0.62	434	3.99	2.49	0.62	474	3.99	2.49	0.62	514	4.43</																																							

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-27U4RJ(AUS) CAPACITY: 8.0 kW SHF: 0.78 INPUT: 2230 W																																																
COMBINATION (%)	IDDB (°C)	IDWB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	21	18	7.74	4.65	0.60	1620	7.67	4.60	0.60	1635	7.58	4.55	0.60	1650	7.49	4.49	0.60	1663	7.41	4.45	0.60	1672	7.33	4.40	0.60	1727	7.23	4.34	0.60	1804	7.10	4.26	0.60	1925	6.94	4.16	0.60	2015	6.73	4.04	0.60	2090	6.18	3.71	0.60	2220	5.10	3.06	0.60	2305
	21	20	8.06	3.87	0.48	1644	7.98	3.83	0.48	1659	7.90	3.79	0.48	1674	7.80	3.74	0.48	1687	7.72	3.70	0.48	1695	7.63	3.66	0.48	1751	7.53	3.61	0.48	1827	7.40	3.55	0.48	1949	7.22	3.47	0.48	2038	7.01	3.37	0.48	2114	6.44	3.09	0.48	2244	5.31	2.55	0.48	2329
	22	18	7.98	5.11	0.64	1637	7.90	5.06	0.64	1652	7.82	5.00	0.64	1667	7.72	4.94	0.64	1680	7.64	4.89	0.64	1689	7.56	4.84	0.64	1745	7.45	4.77	0.64	1822	7.32	4.69	0.64	1945	7.15	4.58	0.64	2035	6.94	4.44	0.64	2111	6.37	4.08	0.64	2243	5.26	3.37	0.64	2328
	22	20	8.23	4.28	0.52	1660	8.15	4.24	0.52	1675	8.06	4.19	0.52	1690	7.95	4.14	0.52	1704	7.88	4.10	0.52	1712	7.79	4.05	0.52	1769	7.68	4.00	0.52	1846	7.55	3.92	0.52	1969	7.37	3.83	0.52	2059	7.16	3.72	0.52	2135	6.57	3.42	0.52	2266	5.42	2.82	0.52	2352
	22	22	8.37	3.35	0.40	1677	8.29	3.31	0.40	1692	8.20	3.28	0.40	1707	8.09	3.24	0.40	1720	8.01	3.20	0.40	1729	7.92	3.17	0.40	1785	7.81	3.13	0.40	1862	7.68	3.07	0.40	1985	7.50	3.00	0.40	2075	7.28	2.91	0.40	2151	6.68	2.67	0.40	2283	5.51	2.20	0.40	2368
	23	18	8.15	5.54	0.68	1653	8.07	5.49	0.68	1668	7.98	5.43	0.68	1684	7.88	5.36	0.68	1697	7.80	5.30	0.68	1706	7.71	5.24	0.68	1762	7.61	5.17	0.68	1840	7.47	5.08	0.68	1965	7.30	4.96	0.68	2055	7.08	4.82	0.68	2133	6.50	4.42	0.68	2265	5.37	3.65	0.68	2352
	23	20	8.40	4.70	0.56	1677	8.31	4.66	0.56	1692	8.22	4.60	0.56	1708	8.12	4.55	0.56	1721	8.04	4.50	0.56	1730	7.95	4.45	0.56	1786	7.84	4.39	0.56	1864	7.70	4.31	0.56	1989	7.52	4.21	0.56	2079	7.30	4.09	0.56	2157	6.70	3.75	0.56	2289	5.53	3.10	0.56	2376
	23	22	8.54	3.76	0.44	1694	8.45	3.72	0.44	1709	8.36	3.68	0.44	1724	8.26	3.63	0.44	1738	8.17	3.60	0.44	1746	8.08	3.56	0.44	1803	7.97	3.51	0.44	1881	7.83	3.45	0.44	2005	7.65	3.37	0.44	2096	7.43	3.27	0.44	2173	6.82	3.00	0.44	2306	5.62	2.47	0.44	2392
	24	18	8.31	5.99	0.72	1670	8.23	5.93	0.72	1685	8.14	5.86	0.72	1701	8.04	5.79	0.72	1714	7.96	5.73	0.72	1723	7.87	5.67	0.72	1780	7.76	5.59	0.72	1859	7.62	5.49	0.72	1984	7.45	5.36	0.72	2076	7.23	5.20	0.72	2154	6.64	4.78	0.72	2288	5.47	3.94	0.72	2376
	24	20	8.57	5.14	0.60	1694	8.48	5.09	0.60	1709	8.39	5.03	0.60	1725	8.28	4.97	0.60	1739	8.20	4.92	0.60	1747	8.11	4.87	0.60	1805	8.00	4.80	0.60	1883	7.86	4.71	0.60	2009	7.67	4.60	0.60	2100	7.45	4.47	0.60	2178	6.84	4.10	0.60	2312	5.64	3.39	0.60	2400
	24	22	8.71	4.18	0.48	1711	8.63	4.14	0.48	1726	8.53	4.10	0.48	1741	8.42	4.04	0.48	1755	8.34	4.00	0.48	1764	8.25	3.96	0.48	1821	8.14	3.91	0.48	1900	7.99	3.84	0.48	2025	7.80	3.75	0.48	2117	7.58	3.64	0.48	2195	6.96	3.34	0.48	2329	5.74	2.75	0.48	2416
	24	24	8.84	3.18	0.36	1730	8.75	3.15	0.36	1745	8.65	3.11	0.36	1761	8.54	3.07	0.36	1775	8.46	3.04	0.36	1783	8.36	3.01	0.36	1840	8.25	2.97	0.36	1919	8.10	2.92	0.36	2045	7.91	2.85	0.36	2136	7.68	2.77	0.36	2214	7.05	2.54	0.36	2348	5.82	2.09	0.36	2436
	25	18	8.57	6.51	0.76	1687	8.49	6.45	0.76	1702	8.39	6.38	0.76	1718	8.29	6.30	0.76	1732	8.20	6.23	0.76	1740	8.11	6.17	0.76	1798	8.00	6.08	0.76	1878	7.86	5.97	0.76	2004	7.68	5.83	0.76	2097	7.45	5.66	0.76	2176	6.84	5.20	0.76	2311	5.64	4.29	0.76	2400
	25	20	8.83	5.65	0.64	1711	8.75	5.60	0.64	1727	8.65	5.54	0.64	1742	8.54	5.46	0.64	1756	8.45	5.41	0.64	1765	8.36	5.35	0.64	1823	8.25	5.28	0.64	1902	8.10	5.18	0.64	2029	7.91	5.06	0.64	2122	7.68	4.92	0.64	2200	7.05	4.51	0.64	2336	5.82	3.72	0.64	2424
	25	22	8.98	4.67	0.52	1728	8.89	4.62	0.52	1743	8.80	4.57	0.52	1759	8.68	4.52	0.52	1773	8.60	4.47	0.52	1782	8.50	4.42	0.52	1839	8.39	4.36	0.52	1919	8.24	4.28	0.52	2046	8.05	4.18	0.52	2138	7.81	4.06	0.52	2217	7.17	3.73	0.52	2352	5.92	3.08	0.52	2441
	25	24	9.11	3.64	0.40	1748	9.02	3.61	0.40	1763	8.92	3.57	0.40	1778	8.81	3.52	0.40	1792	8.72	3.49	0.40	1801	8.62	3.45	0.40	1859	8.50	3.40	0.40	1938	8.35	3.34	0.40	2065	8.16	3.26	0.40	2158	7.92	3.17	0.40	2237	7.27	2.91	0.40	2372	6.00	2.40	0.40	2460
	26	18	8.84	7.07	0.80	1704	8.75	7.00	0.80	1719	8.65	6.92	0.80	1735	8.54	6.83	0.80	1749	8.46	6.77	0.80	1758	8.36	6.69	0.80	1816	8.25	6.60	0.80	1897	8.10	6.48	0.80	2025	7.91	6.33	0.80	2118	7.68	6.15	0.80	2198	7.05	5.64	0.80	2335	5.82	4.66	0.80	2424
	26	20	9.11	6.19	0.68	1729	9.02	6.13	0.68	1744	8.92	6.06	0.68	1760	8.80	5.99	0.68	1774	8.72	5.93	0.68	1783	8.62	5.86	0.68	1841	8.50	5.78	0.68	1921	8.35	5.68	0.68	2049	8.16	5.55	0.68	2143	7.92	5.38	0.68	2223	7.27	4.94	0.68	2359	6.00	4.08	0.68	2449
	26	22	9.26	5.19	0.56	1745	9.17	5.13	0.56	1761	9.07	5.08	0.56	1777	8.95	5.01	0.56	1791	8.86	4.96	0.56	1800	8.77	4.91	0.56	1858	8.65	4.84	0.56	1938	8.49	4.76	0.56	2066	8.29	4.64	0.56	2160	8.05	4.51	0.56	2239	7.39	4.14	0.56	2376	6.10	3.42	0.56	2465
	26	24	9.39	4.13	0.44	1765	9.30	4.09	0.44	1781	9.20	4.05	0.44	1796	9.08	3.99	0.44	1811	8.99	3.95	0.44	1819	8.89	3.91	0.44	1878	8.77	3.86	0.44	1958	8.61	3.79	0.44	2086	8.41	3.70	0.44	2180	8.17	3.59	0.44	2259	7.50	3.30	0.44	2396	6.18	2.72	0.44	2485
	26	26	9.54	3.05	0.32	1788	9.45	3.02	0.32	1804	9.34	2.99	0.32	1819	9.22	2.95	0.32	1833	9.13	2.92	0.32	1842	9.03	2.89	0.32	1901	8.91	2.85	0.32	1981	8.75	2.80	0.32	2109	8.55	2.73	0.32	2202	8.30	2.65	0.32	2282	7.62	2.44	0.32	2419	6.28	2.01	0.32	2508
	27	18	9.02	7.57	0.84	1721	8.93	7.50	0.84	1737	8.83	7.42	0.84	1753	8.72	7.32	0.84	1767	8.63	7.25	0.84	1776	8.54	7.17	0.84	1835	8.42	7.07	0.84	1916	8.27	6.95	0.84	2045	8.08	6.78	0.84	2140	7.84	6.59	0.84	2220	7.20	6.05	0.84	2358	5.94	4.99	0.84	2448
	27	19	9.20	7.18	0.78	1731	9.11	7.10	0.78	1747	9.01	7.03	0.78	1763	8.89	6.94	0.78	1777	8.81	6.87	0.78	1786	8.71	6.79	0.78	1845	8.59	6.70	0.78	1926	8.44	6.58	0.78	2055	8.24	6.43	0.78	2150	8.00	6.24	0.78	2230	7.34	5.73	0.78	2368	6.06	4.73	0.78	2458
	27	20	9.29	6.69	0.72	1746	9.20	6.62	0.72	1762	9.10	6.55	0.72	1778	8.98	6.47	0.72	1792	8.89	6.40	0.72	1801	8.80	6.33	0.72	1860	8.68	6.25	0.72	1941	8.52	6.14	0.72	2070	8.32	5.99	0.72	2165	8.08	5.82	0.72	2245	7.42	5.34	0.72	2383	6.12	4.41	0.72	2473
	27	22	9.45	5.67	0.60	1763	9.36	5.61	0.60	1779	9.25	5.55	0.60	1795	9.14	5.48	0.60	1809	9.04	5.43	0.60	1818	8.95	5.37	0.60	1877	8.82	5.29	0.60	1958	8.67	5.20	0.60	2087	8.46	5.08	0.60	2182	8.22	4.93	0.60	2262	7.54	4.53	0.60	2400	6.22	3.73	0.60	2490
	27	24	9.58	4.60	0.48	1783	9.49	4.55	0.48	1799	9.38	4.50	0.48	1815	9.26	4.45	0.48	1829	9.17	4.40	0.48	1838	9.07	4.35	0.48	1897	8.95	4.29	0.48	1978	8.79	4.22	0.48	2107	8.58	4.12	0.48	2202	8.33	4.00	0.48	2282	7.65	3.67	0.4					

4. CAPACITIES AND SELECTION DATA

			PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																															
			AMW4-27U4RJC(AUS) CAPACITY: 8.0 kW SHF: 0.78 INPUT: 2230 W																																															
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
90%	21	18	7.59	4.55	0.60	1604	7.51	4.51	0.60	1619	7.43	4.46	0.60	1633	7.34	4.40	0.60	1647	7.26	4.36	0.60	1655	7.19	4.31	0.60	1710	7.09	4.25	0.60	1785	6.96	4.18	0.60	1906	6.80	4.08	0.60	1994	6.60	3.96	0.60	2069	6.06	3.64	0.60	2198	5.00	3.00	0.60	2282
	21	20	7.90	3.79	0.48	1628	7.82	3.76	0.48	1642	7.74	3.71	0.48	1657	7.64	3.67	0.48	1670	7.56	3.63	0.48	1679	7.48	3.59	0.48	1734	7.38	3.54	0.48	1809	7.25	3.48	0.48	1930	7.08	3.40	0.48	2018	6.87	3.30	0.48	2093	6.31	3.03	0.48	2221	5.20	2.50	0.48	2305
	22	18	7.82	5.01	0.64	1620	7.75	4.96	0.64	1635	7.66	4.90	0.64	1650	7.56	4.84	0.64	1663	7.49	4.79	0.64	1672	7.41	4.74	0.64	1727	7.31	4.68	0.64	1803	7.18	4.59	0.64	1925	7.01	4.49	0.64	2014	6.80	4.35	0.64	2090	6.25	4.00	0.64	2220	5.15	3.30	0.64	2305
	22	20	8.06	4.19	0.52	1644	7.98	4.15	0.52	1659	7.90	4.11	0.52	1674	7.80	4.05	0.52	1687	7.72	4.01	0.52	1696	7.63	3.97	0.52	1751	7.53	3.92	0.52	1827	7.40	3.85	0.52	1949	7.22	3.76	0.52	2038	7.01	3.65	0.52	2114	6.44	3.35	0.52	2244	5.31	2.76	0.52	2329
	22	22	8.20	3.28	0.40	1660	8.12	3.25	0.40	1675	8.03	3.21	0.40	1690	7.93	3.17	0.40	1703	7.85	3.14	0.40	1712	7.76	3.11	0.40	1767	7.66	3.06	0.40	1843	7.52	3.01	0.40	1965	7.35	2.94	0.40	2054	7.13	2.85	0.40	2130	6.55	2.62	0.40	2260	5.40	2.16	0.40	2345
	23	18	7.98	5.43	0.68	1637	7.90	5.38	0.68	1652	7.82	5.32	0.68	1667	7.72	5.25	0.68	1680	7.64	5.20	0.68	1689	7.56	5.14	0.68	1745	7.45	5.07	0.68	1822	7.32	4.98	0.68	1945	7.15	4.86	0.68	2035	6.94	4.72	0.68	2111	6.37	4.33	0.68	2243	5.26	3.58	0.68	2328
	23	20	8.23	4.61	0.56	1661	8.15	4.56	0.56	1676	8.06	4.51	0.56	1691	7.95	4.45	0.56	1704	7.88	4.41	0.56	1713	7.79	4.36	0.56	1769	7.68	4.30	0.56	1846	7.55	4.23	0.56	1969	7.37	4.13	0.56	2059	7.16	4.01	0.56	2135	6.57	3.68	0.56	2267	5.42	3.03	0.56	2352
	23	22	8.37	3.68	0.44	1677	8.29	3.65	0.44	1692	8.20	3.61	0.44	1707	8.09	3.56	0.44	1720	8.01	3.52	0.44	1729	7.92	3.49	0.44	1785	7.81	3.44	0.44	1862	7.68	3.38	0.44	1985	7.50	3.30	0.44	2075	7.28	3.20	0.44	2151	6.68	2.94	0.44	2283	5.51	2.42	0.44	2369
	24	18	8.15	5.87	0.72	1653	8.07	5.81	0.72	1668	7.98	5.74	0.72	1683	7.88	5.67	0.72	1697	7.80	5.61	0.72	1706	7.71	5.55	0.72	1762	7.61	5.48	0.72	1840	7.47	5.38	0.72	1964	7.30	5.25	0.72	2055	7.08	5.10	0.72	2132	6.50	4.68	0.72	2265	5.37	3.86	0.72	2352
	24	20	8.40	5.04	0.60	1677	8.31	4.99	0.60	1692	8.22	4.93	0.60	1708	8.12	4.87	0.60	1721	8.04	4.82	0.60	1730	7.95	4.77	0.60	1787	7.84	4.70	0.60	1864	7.70	4.62	0.60	1989	7.52	4.51	0.60	2080	7.30	4.38	0.60	2157	6.70	4.02	0.60	2289	5.53	3.32	0.60	2376
	24	22	8.54	4.10	0.48	1694	8.45	4.06	0.48	1709	8.36	4.01	0.48	1724	8.26	3.96	0.48	1738	8.17	3.92	0.48	1746	8.08	3.88	0.48	1803	7.97	3.83	0.48	1881	7.83	3.76	0.48	2005	7.65	3.67	0.48	2096	7.43	3.56	0.48	2173	6.82	3.27	0.48	2306	5.62	2.70	0.48	2392
	24	24	8.66	3.12	0.36	1713	8.57	3.09	0.36	1728	8.48	3.05	0.36	1744	8.37	3.01	0.36	1757	8.29	2.98	0.36	1766	8.20	2.95	0.36	1823	8.08	2.91	0.36	1900	7.94	2.86	0.36	2025	7.76	2.79	0.36	2115	7.53	2.71	0.36	2193	6.91	2.49	0.36	2325	5.70	2.05	0.36	2412
	25	18	8.40	6.38	0.76	1670	8.32	6.32	0.76	1685	8.23	6.25	0.76	1700	8.12	6.17	0.76	1714	8.04	6.11	0.76	1723	7.95	6.04	0.76	1780	7.84	5.96	0.76	1859	7.70	5.85	0.76	1984	7.52	5.72	0.76	2076	7.30	5.55	0.76	2154	6.70	5.10	0.76	2288	5.53	4.20	0.76	2375
	25	20	8.66	5.54	0.64	1694	8.57	5.48	0.64	1710	8.48	5.43	0.64	1725	8.37	5.36	0.64	1739	8.29	5.30	0.64	1747	8.20	5.24	0.64	1805	8.08	5.17	0.64	1883	7.94	5.08	0.64	2009	7.75	4.96	0.64	2101	7.53	4.82	0.64	2178	6.91	4.42	0.64	2313	5.70	3.65	0.64	2400
	25	22	8.80	4.58	0.52	1711	8.72	4.53	0.52	1726	8.62	4.48	0.52	1742	8.51	4.43	0.52	1755	8.43	4.38	0.52	1764	8.33	4.33	0.52	1821	8.22	4.27	0.52	1900	8.07	4.20	0.52	2025	7.88	4.10	0.52	2117	7.66	3.98	0.52	2195	7.03	3.65	0.52	2329	5.80	3.01	0.52	2417
	25	24	8.93	3.57	0.40	1731	8.84	3.54	0.40	1746	8.74	3.50	0.40	1761	8.63	3.45	0.40	1775	8.54	3.42	0.40	1784	8.45	3.38	0.40	1841	8.33	3.33	0.40	1919	8.19	3.27	0.40	2045	8.00	3.20	0.40	2137	7.76	3.10	0.40	2215	7.13	2.85	0.40	2349	5.88	2.35	0.40	2436
	26	18	8.66	6.93	0.80	1687	8.57	6.86	0.80	1702	8.48	6.78	0.80	1718	8.37	6.70	0.80	1732	8.29	6.63	0.80	1740	8.20	6.56	0.80	1798	8.08	6.47	0.80	1877	7.94	6.35	0.80	2004	7.76	6.20	0.80	2097	7.53	6.02	0.80	2176	6.91	5.53	0.80	2311	5.70	4.56	0.80	2399
	26	20	8.92	6.07	0.68	1711	8.84	6.01	0.68	1727	8.74	5.94	0.68	1742	8.63	5.87	0.68	1756	8.54	5.81	0.68	1765	8.45	5.75	0.68	1823	8.33	5.67	0.68	1902	8.18	5.57	0.68	2029	7.99	5.44	0.68	2122	7.76	5.28	0.68	2200	7.12	4.84	0.68	2336	5.88	4.00	0.68	2424
	26	22	9.08	5.08	0.56	1728	8.99	5.03	0.56	1744	8.89	4.98	0.56	1759	8.77	4.91	0.56	1773	8.69	4.86	0.56	1782	8.59	4.81	0.56	1840	8.47	4.75	0.56	1919	8.32	4.66	0.56	2046	8.13	4.55	0.56	2139	7.89	4.42	0.56	2217	7.24	4.06	0.56	2353	5.98	3.35	0.56	2441
	26	24	9.20	4.05	0.44	1748	9.11	4.01	0.44	1763	9.01	3.97	0.44	1779	8.90	3.91	0.44	1793	8.81	3.88	0.44	1802	8.71	3.83	0.44	1860	8.59	3.78	0.44	1939	8.44	3.71	0.44	2066	8.24	3.63	0.44	2158	8.00	3.52	0.44	2237	7.35	3.23	0.44	2373	6.06	2.67	0.44	2461
	26	26	9.35	2.99	0.32	1771	9.26	2.96	0.32	1786	9.16	2.93	0.32	1802	9.04	2.89	0.32	1816	8.95	2.86	0.32	1824	8.85	2.83	0.32	1882	8.73	2.79	0.32	1962	8.58	2.74	0.32	2088	8.37	2.68	0.32	2181	8.13	2.60	0.32	2260	7.46	2.39	0.32	2395	6.16	1.97	0.32	2484
	27	18	8.84	7.42	0.84	1704	8.75	7.35	0.84	1719	8.65	7.27	0.84	1735	8.54	7.17	0.84	1749	8.46	7.10	0.84	1758	8.36	7.03	0.84	1816	8.25	6.93	0.84	1896	8.10	6.81	0.84	2025	7.91	6.65	0.84	2118	7.68	6.45	0.84	2198	7.05	5.92	0.84	2335	5.82	4.89	0.84	2424
	27	19	9.02	7.03	0.78	1714	8.93	6.96	0.78	1729	8.83	6.89	0.78	1745	8.72	6.80	0.78	1759	8.63	6.73	0.78	1768	8.54	6.66	0.78	1826	8.42	6.57	0.78	1906	8.27	6.45	0.78	2035	8.08	6.30	0.78	2128	7.84	6.12	0.78	2208	7.20	5.61	0.78	2345	5.94	4.63	0.78	2434
	27	20	9.11	6.56	0.72	1729	9.02	6.49	0.72	1744	8.92	6.42	0.72	1760	8.80	6.34	0.72	1774	8.72	6.28	0.72	1783	8.62	6.21	0.72	1841	8.50	6.12	0.72	1921	8.35	6.01	0.72	2050	8.16	5.87	0.72	2143	7.92	5.70	0.72	2223	7.27	5.23	0.72	2360	6.00	4.32	0.72	2449
	27	22	9.26	5.56	0.60	1746	9.17	5.50	0.60	1761	9.07	5.44	0.60	1777	8.95	5.37	0.60	1791	8.86	5.32	0.60	1800	8.77	5.26	0.60	1858	8.65	5.19	0.60	1938	8.49	5.10	0.60	2067	8.29	4.98	0.60	2160	8.05	4.83	0.60	2240	7.39	4.44	0.60	2377	6.10	3.66	0.60	2466
	27	24	9.39	4.51	0.48	1766	9.30	4.46	0.48	1781	9.20	4.41	0.48	1797	9.08	4.36	0.48	1811	8.99	4.31	0.48	1820	8.89	4.27	0.48	1878	8.77	4.21	0.48	1958	8.61	4.13	0.48	2087	8.41	4.04	0.48	2180	8.17	3.92	0.48	2260	7.50	3.60	0.48	2397	6.18	2.9		

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-27U4RJC(AUS) CAPACITY: 8.0 kW SHF: 0.78 INPUT: 2230 W																																																
COMBINATION (%)	IDDB (°C)	IDWB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
80%	21	18	7.36	4.41	0.60	1588	7.28	4.37	0.60	1602	7.21	4.32	0.60	1617	7.11	4.27	0.60	1630	7.04	4.23	0.60	1638	6.97	4.18	0.60	1693	6.87	4.12	0.60	1767	6.75	4.05	0.60	1887	6.59	3.95	0.60	1974	6.40	3.84	0.60	2048	5.87	3.52	0.60	2176	4.85	2.91	0.60	2259
	21	20	7.66	3.68	0.48	1611	7.58	3.64	0.48	1626	7.50	3.60	0.48	1640	7.41	3.55	0.48	1654	7.33	3.52	0.48	1662	7.25	3.48	0.48	1716	7.15	3.43	0.48	1791	7.03	3.37	0.48	1910	6.86	3.29	0.48	1998	6.66	3.20	0.48	2072	6.12	2.94	0.48	2199	5.05	2.42	0.48	2282
	22	18	7.58	4.85	0.64	1604	7.51	4.81	0.64	1618	7.43	4.75	0.64	1633	7.33	4.69	0.64	1646	7.26	4.65	0.64	1655	7.18	4.60	0.64	1710	7.08	4.53	0.64	1785	6.96	4.45	0.64	1906	6.79	4.35	0.64	1994	6.60	4.22	0.64	2069	6.05	3.88	0.64	2198	5.00	3.20	0.64	2282
	22	20	7.82	4.06	0.52	1628	7.74	4.02	0.52	1642	7.66	3.98	0.52	1657	7.56	3.93	0.52	1670	7.48	3.89	0.52	1679	7.40	3.85	0.52	1734	7.30	3.80	0.52	1809	7.17	3.73	0.52	1930	7.00	3.64	0.52	2018	6.80	3.53	0.52	2093	6.24	3.24	0.52	2221	5.15	2.68	0.52	2305
	22	22	7.95	3.18	0.40	1644	7.87	3.15	0.40	1658	7.79	3.11	0.40	1673	7.69	3.07	0.40	1686	7.61	3.04	0.40	1695	7.53	3.01	0.40	1750	7.42	2.97	0.40	1825	7.29	2.92	0.40	1946	7.12	2.85	0.40	2034	6.91	2.77	0.40	2109	6.35	2.54	0.40	2238	5.24	2.09	0.40	2321
	23	18	7.74	5.26	0.68	1620	7.66	5.21	0.68	1635	7.58	5.15	0.68	1650	7.48	5.09	0.68	1663	7.41	5.04	0.68	1671	7.33	4.98	0.68	1727	7.23	4.91	0.68	1803	7.10	4.83	0.68	1925	6.93	4.71	0.68	2014	6.73	4.58	0.68	2090	6.18	4.20	0.68	2220	5.10	3.47	0.68	2305
	23	20	7.98	4.47	0.56	1644	7.90	4.42	0.56	1659	7.81	4.37	0.56	1674	7.71	4.32	0.56	1687	7.63	4.28	0.56	1695	7.55	4.23	0.56	1751	7.45	4.17	0.56	1827	7.32	4.10	0.56	1949	7.14	4.00	0.56	2038	6.94	3.88	0.56	2114	6.37	3.57	0.56	2244	5.25	2.94	0.56	2329
	23	22	8.11	3.57	0.44	1660	8.03	3.53	0.44	1675	7.94	3.50	0.44	1690	7.84	3.45	0.44	1703	7.76	3.42	0.44	1712	7.68	3.38	0.44	1767	7.57	3.33	0.44	1844	7.44	3.27	0.44	1965	7.27	3.20	0.44	2054	7.05	3.10	0.44	2130	6.48	2.85	0.44	2260	5.34	2.35	0.44	2345
	24	18	7.90	5.69	0.72	1636	7.82	5.63	0.72	1651	7.73	5.57	0.72	1666	7.63	5.50	0.72	1680	7.56	5.44	0.72	1688	7.48	5.38	0.72	1744	7.37	5.31	0.72	1821	7.24	5.22	0.72	1945	7.07	5.09	0.72	2034	6.87	4.94	0.72	2111	6.30	4.54	0.72	2242	5.20	3.74	0.72	2328
	24	20	8.14	4.88	0.60	1661	8.06	4.84	0.60	1676	7.97	4.78	0.60	1691	7.87	4.72	0.60	1704	7.79	4.67	0.60	1713	7.71	4.62	0.60	1769	7.60	4.56	0.60	1846	7.47	4.48	0.60	1969	7.29	4.37	0.60	2059	7.08	4.25	0.60	2135	6.50	3.90	0.60	2267	5.36	3.22	0.60	2352
	24	22	8.28	3.97	0.48	1677	8.20	3.93	0.48	1692	8.11	3.89	0.48	1707	8.00	3.84	0.48	1721	7.92	3.80	0.48	1729	7.84	3.76	0.48	1785	7.73	3.71	0.48	1862	7.59	3.64	0.48	1985	7.41	3.56	0.48	2075	7.20	3.46	0.48	2152	6.61	3.17	0.48	2283	5.45	2.62	0.48	2369
	24	24	8.39	3.02	0.36	1696	8.31	2.99	0.36	1711	8.22	2.96	0.36	1727	8.11	2.92	0.36	1740	8.03	2.89	0.36	1749	7.95	2.86	0.36	1805	7.84	2.82	0.36	1882	7.70	2.77	0.36	2005	7.52	2.71	0.36	2095	7.30	2.63	0.36	2171	6.70	2.41	0.36	2302	5.53	1.99	0.36	2388
	25	18	8.14	6.19	0.76	1653	8.06	6.13	0.76	1668	7.97	6.06	0.76	1683	7.87	5.98	0.76	1697	7.79	5.92	0.76	1705	7.71	5.86	0.76	1762	7.60	5.78	0.76	1840	7.47	5.68	0.76	1964	7.29	5.54	0.76	2055	7.08	5.38	0.76	2132	6.50	4.94	0.76	2265	5.36	4.08	0.76	2351
	25	20	8.39	5.37	0.64	1677	8.31	5.32	0.64	1692	8.22	5.26	0.64	1708	8.11	5.19	0.64	1721	8.03	5.14	0.64	1730	7.94	5.08	0.64	1787	7.83	5.01	0.64	1864	7.70	4.93	0.64	1989	7.52	4.81	0.64	2080	7.30	4.67	0.64	2157	6.70	4.29	0.64	2289	5.53	3.54	0.64	2376
	25	22	8.53	4.44	0.52	1694	8.45	4.39	0.52	1709	8.36	4.35	0.52	1724	8.25	4.29	0.52	1738	8.17	4.25	0.52	1747	8.08	4.20	0.52	1803	7.97	4.14	0.52	1881	7.83	4.07	0.52	2005	7.64	3.97	0.52	2096	7.42	3.86	0.52	2173	6.81	3.54	0.52	2306	5.62	2.92	0.52	2393
	25	24	8.65	3.46	0.40	1714	8.57	3.43	0.40	1729	8.47	3.39	0.40	1744	8.37	3.35	0.40	1758	8.28	3.31	0.40	1766	8.19	3.28	0.40	1823	8.08	3.23	0.40	1901	7.94	3.17	0.40	2025	7.75	3.10	0.40	2116	7.52	3.01	0.40	2193	6.91	2.76	0.40	2326	5.70	2.28	0.40	2412
	26	18	8.39	6.71	0.80	1670	8.31	6.65	0.80	1685	8.22	6.58	0.80	1700	8.11	6.49	0.80	1714	8.03	6.43	0.80	1723	7.95	6.36	0.80	1780	7.84	6.27	0.80	1858	7.70	6.16	0.80	1984	7.52	6.01	0.80	2076	7.30	5.84	0.80	2154	6.70	5.36	0.80	2288	5.53	4.42	0.80	2375
	26	20	8.65	5.88	0.68	1694	8.56	5.82	0.68	1710	8.47	5.76	0.68	1725	8.36	5.69	0.68	1739	8.28	5.63	0.68	1747	8.19	5.57	0.68	1805	8.08	5.49	0.68	1883	7.93	5.40	0.68	2009	7.75	5.27	0.68	2101	7.52	5.12	0.68	2178	6.91	4.70	0.68	2313	5.70	3.87	0.68	2400
	26	22	8.80	4.93	0.56	1711	8.71	4.88	0.56	1726	8.62	4.82	0.56	1742	8.51	4.76	0.56	1756	8.42	4.72	0.56	1764	8.33	4.66	0.56	1821	8.21	4.60	0.56	1900	8.07	4.52	0.56	2026	7.88	4.41	0.56	2117	7.65	4.28	0.56	2195	7.02	3.93	0.56	2329	5.79	3.24	0.56	2417
	26	24	8.92	3.93	0.44	1731	8.83	3.89	0.44	1746	8.74	3.84	0.44	1762	8.62	3.79	0.44	1775	8.54	3.76	0.44	1784	8.45	3.72	0.44	1841	8.33	3.66	0.44	1920	8.18	3.60	0.44	2045	7.99	3.52	0.44	2137	7.76	3.41	0.44	2215	7.12	3.13	0.44	2349	5.88	2.59	0.44	2436
	26	26	9.06	2.90	0.32	1754	8.97	2.87	0.32	1769	8.88	2.84	0.32	1784	8.76	2.80	0.32	1798	8.68	2.78	0.32	1807	8.58	2.75	0.32	1864	8.46	2.71	0.32	1943	8.31	2.66	0.32	2068	8.12	2.60	0.32	2160	7.88	2.52	0.32	2238	7.24	2.32	0.32	2372	5.97	1.91	0.32	2459
	27	18	8.56	7.19	0.84	1686	8.48	7.12	0.84	1702	8.39	7.05	0.84	1717	8.28	6.96	0.84	1731	8.20	6.89	0.84	1740	8.11	6.81	0.84	1798	8.00	6.72	0.84	1877	7.86	6.60	0.84	2004	7.67	6.44	0.84	2097	7.45	6.26	0.84	2175	6.84	5.74	0.84	2311	5.64	4.74	0.84	2399
	27	19	8.74	6.82	0.78	1696	8.65	6.75	0.78	1712	8.56	6.68	0.78	1727	8.45	6.59	0.78	1741	8.37	6.53	0.78	1750	8.27	6.45	0.78	1808	8.16	6.36	0.78	1887	8.02	6.25	0.78	2014	7.83	6.11	0.78	2107	7.60	5.93	0.78	2185	6.98	5.44	0.78	2321	5.76	4.49	0.78	2409
	27	20	8.83	6.36	0.72	1711	8.74	6.29	0.72	1727	8.64	6.22	0.72	1742	8.53	6.14	0.72	1756	8.45	6.08	0.72	1765	8.36	6.02	0.72	1823	8.24	5.93	0.72	1902	8.10	5.83	0.72	2029	7.91	5.69	0.72	2122	7.68	5.53	0.72	2200	7.05	5.07	0.72	2336	5.81	4.19	0.72	2424
	27	22	8.98	5.39	0.60	1728	8.89	5.33	0.60	1744	8.79	5.27	0.60	1759	8.68	5.21	0.60	1773	8.59	5.16	0.60	1782	8.50	5.10	0.60	1840	8.38	5.03	0.60	1919	8.23	4.94	0.60	2046	8.04	4.82	0.60	2139	7.81	4.68	0.60	2217	7.17	4.30	0.60	2353	5.91	3.55	0.60	2441
	27	24	9.10	4.37	0.48	1748	9.01	4.33	0.48	1764	8.91	4.28	0.48	1779	8.80	4.22	0.48	1793	8.71	4.18	0.48	1802	8.62	4.14	0.48	1860	8.50	4.08	0.48	1939	8.35	4.01	0.48	2066	8.15	3.91	0.48	2159	7.92	3.80	0.48	2237	7.27	3.49	0.48	2373	6.00	2.8		

4. CAPACITIES AND SELECTION DATA

27K

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	6.51	2199	7.65	2267	8.50	2290	9.35	2337	10.16	2460	10.97	2583	11.52	2660	11.86	2714
	16	6.43	2217	7.56	2285	8.40	2309	9.23	2356	10.04	2480	10.84	2604	11.38	2682	11.72	2735
	17	6.35	2235	7.47	2304	8.30	2327	9.12	2375	9.92	2500	10.71	2625	11.25	2703	11.58	2757
	18	6.28	2253	7.38	2322	8.21	2346	9.02	2394	9.80	2520	10.58	2646	11.11	2725	11.45	2780
	19	6.20	2271	7.30	2341	8.11	2365	8.91	2413	9.68	2540	10.46	2667	10.98	2747	11.31	2802
	20	6.14	2289	7.22	2360	8.03	2384	8.82	2433	9.59	2561	10.36	2689	10.87	2769	11.20	2825
	21	6.07	2314	7.14	2386	7.93	2410	8.72	2459	9.47	2589	10.23	2718	10.74	2800	11.07	2856
	22	5.99	2340	7.05	2412	7.84	2437	8.61	2486	9.36	2617	10.11	2748	10.61	2831	10.93	2887
	23	5.92	2366	6.97	2439	7.74	2463	8.51	2514	9.25	2646	9.99	2778	10.49	2862	10.80	2919
	24	5.85	2392	6.88	2466	7.65	2491	8.41	2541	9.14	2675	9.87	2809	10.36	2893	10.67	2951
	25	5.78	2418	6.80	2493	7.56	2518	8.30	2569	9.03	2705	9.75	2840	10.24	2925	10.54	2984
	26	5.71	2445	6.72	2520	7.47	2546	8.21	2598	8.92	2734	9.63	2871	10.11	2957	10.42	3016
	27	5.64	2472	6.64	2548	7.38	2574	8.11	2626	8.81	2764	9.52	2903	9.99	2990	10.29	3050
	28	5.58	2499	6.56	2576	7.29	2602	8.01	2655	8.71	2795	9.40	2935	9.87	3023	10.17	3083
29	5.51	2526	6.48	2604	7.20	2631	7.91	2684	8.60	2826	9.29	2967	9.75	3056	10.05	3117	
30	5.44	2554	6.40	2633	7.11	2660	7.82	2714	8.50	2857	9.18	2999	9.64	3089	9.93	3151	
120%	15	6.32	2094	7.43	2159	8.26	2181	9.07	2226	9.86	2343	10.65	2460	11.18	2534	11.52	2584
	16	6.24	2111	7.34	2177	8.16	2199	8.97	2244	9.75	2362	10.52	2480	11.05	2554	11.38	2605
	17	6.17	2128	7.26	2194	8.06	2216	8.86	2262	9.63	2381	10.40	2500	10.92	2575	11.25	2626
	18	6.09	2146	7.17	2212	7.97	2234	8.75	2280	9.52	2400	10.28	2520	10.79	2595	11.11	2647
	19	6.02	2163	7.08	2230	7.87	2252	8.65	2298	9.40	2419	10.15	2540	10.66	2616	10.98	2669
	20	5.96	2180	7.01	2248	7.79	2270	8.56	2317	9.31	2439	10.05	2561	10.56	2637	10.87	2690
	21	5.89	2204	6.93	2272	7.70	2295	8.46	2342	9.20	2466	9.93	2589	10.43	2666	10.74	2720
	22	5.82	2229	6.85	2297	7.61	2321	8.36	2368	9.09	2493	9.81	2617	10.31	2696	10.61	2750
	23	5.75	2253	6.76	2323	7.52	2346	8.26	2394	8.98	2520	9.70	2646	10.18	2725	10.49	2780
	24	5.68	2278	6.68	2348	7.43	2372	8.16	2420	8.87	2548	9.58	2675	10.06	2755	10.36	2811
	25	5.61	2303	6.60	2374	7.34	2398	8.06	2447	8.76	2576	9.47	2705	9.94	2786	10.24	2841
	26	5.55	2328	6.52	2400	7.25	2424	7.97	2474	8.66	2604	9.35	2734	9.82	2816	10.11	2873
	27	5.48	2354	6.45	2427	7.16	2451	7.87	2501	8.56	2633	9.24	2764	9.70	2847	9.99	2904
	28	5.41	2380	6.37	2453	7.08	2478	7.78	2529	8.45	2662	9.13	2795	9.58	2879	9.87	2936
29	5.35	2406	6.29	2480	6.99	2505	7.68	2556	8.35	2691	9.02	2826	9.47	2910	9.75	2969	
30	5.28	2432	6.22	2508	6.91	2533	7.59	2585	8.25	2721	8.91	2857	9.36	2942	9.64	3001	
110%	15	6.13	2053	7.21	2117	8.02	2138	8.81	2182	9.57	2297	10.34	2412	10.86	2484	11.18	2534
	16	6.06	2070	7.13	2134	7.92	2156	8.70	2200	9.46	2315	10.22	2431	10.73	2504	11.05	2554
	17	5.99	2087	7.04	2151	7.83	2173	8.60	2217	9.35	2334	10.10	2451	10.60	2524	10.92	2575
	18	5.92	2103	6.96	2169	7.73	2190	8.50	2235	9.24	2353	9.98	2470	10.48	2545	10.79	2595
	19	5.85	2120	6.88	2186	7.64	2208	8.40	2253	9.13	2372	9.86	2490	10.35	2565	10.66	2616
	20	5.79	2138	6.81	2204	7.57	2226	8.32	2271	9.04	2391	9.76	2510	10.25	2586	10.56	2637
	21	5.72	2161	6.73	2228	7.48	2250	8.22	2296	8.93	2417	9.64	2538	10.13	2614	10.43	2666
	22	5.65	2185	6.65	2252	7.39	2275	8.12	2322	8.82	2444	9.53	2566	10.00	2643	10.31	2696
	23	5.58	2209	6.57	2277	7.30	2300	8.02	2347	8.72	2471	9.41	2594	9.88	2672	10.18	2725
	24	5.52	2233	6.49	2302	7.21	2325	7.92	2373	8.61	2498	9.30	2623	9.77	2701	10.06	2755
	25	5.45	2258	6.41	2328	7.12	2351	7.83	2399	8.51	2525	9.19	2652	9.65	2731	9.94	2786
	26	5.38	2283	6.33	2353	7.04	2377	7.73	2425	8.41	2553	9.08	2681	9.53	2761	9.82	2816
	27	5.32	2308	6.26	2379	6.95	2403	7.64	2452	8.31	2581	8.97	2710	9.42	2792	9.70	2847
	28	5.26	2333	6.18	2405	6.87	2429	7.55	2479	8.21	2610	8.86	2740	9.31	2822	9.58	2879
29	5.19	2359	6.11	2432	6.79	2456	7.46	2506	8.11	2638	8.76	2770	9.19	2853	9.47	2910	
30	5.13	2385	6.04	2458	6.71	2483	7.37	2534	8.01	2667	8.65	2801	9.08	2885	9.36	2942	

4. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	5.95	1994	7.00	2055	7.78	2076	8.55	2118	9.30	2230	10.04	2341	10.54	2412	10.86	2460
	16	5.88	2010	6.92	2072	7.69	2093	8.45	2135	9.19	2248	9.92	2360	10.42	2431	10.73	2480
	17	5.81	2026	6.84	2089	7.60	2110	8.35	2153	9.08	2266	9.80	2379	10.29	2451	10.60	2500
	18	5.74	2042	6.76	2105	7.51	2127	8.25	2170	8.97	2284	9.69	2398	10.17	2470	10.48	2520
	19	5.68	2059	6.68	2122	7.42	2144	8.15	2188	8.86	2303	9.57	2418	10.05	2490	10.35	2540
	20	5.62	2075	6.61	2139	7.35	2161	8.07	2205	8.78	2321	9.48	2437	9.95	2510	10.25	2561
	21	5.55	2098	6.53	2163	7.26	2185	7.98	2229	8.67	2347	9.36	2464	9.83	2538	10.13	2589
	22	5.49	2121	6.45	2187	7.17	2209	7.88	2254	8.57	2373	9.25	2491	9.71	2566	10.00	2617
	23	5.42	2145	6.38	2211	7.09	2233	7.79	2279	8.46	2399	9.14	2519	9.60	2594	9.88	2646
	24	5.36	2168	6.30	2235	7.00	2258	7.69	2304	8.36	2425	9.03	2546	9.48	2623	9.77	2675
	25	5.29	2192	6.22	2260	6.92	2283	7.60	2329	8.26	2452	8.92	2574	9.37	2652	9.65	2705
	26	5.23	2216	6.15	2285	6.83	2308	7.51	2355	8.16	2479	8.81	2603	9.26	2681	9.53	2734
	27	5.16	2240	6.08	2310	6.75	2333	7.42	2381	8.06	2506	8.71	2631	9.14	2710	9.42	2764
	28	5.10	2265	6.00	2335	6.67	2359	7.33	2407	7.97	2534	8.60	2660	9.03	2740	9.31	2795
29	5.04	2290	5.93	2361	6.59	2385	7.24	2433	7.87	2561	8.50	2689	8.93	2770	9.19	2826	
30	4.98	2315	5.86	2387	6.51	2411	7.15	2460	7.78	2590	8.40	2719	8.82	2801	9.08	2857	
90%	15	5.75	1958	6.76	2018	7.51	2039	8.25	2080	8.97	2190	9.69	2299	10.17	2368	10.48	2416
	16	5.68	1973	6.68	2035	7.42	2055	8.16	2097	8.86	2207	9.57	2318	10.05	2387	10.35	2435
	17	5.61	1989	6.60	2051	7.33	2072	8.06	2114	8.76	2225	9.46	2336	9.93	2407	10.23	2455
	18	5.54	2005	6.52	2067	7.25	2088	7.96	2131	8.66	2243	9.35	2355	9.81	2426	10.11	2474
	19	5.48	2022	6.44	2084	7.16	2105	7.87	2148	8.55	2261	9.24	2374	9.70	2446	9.99	2494
	20	5.42	2038	6.38	2101	7.09	2122	7.79	2165	8.47	2279	9.15	2393	9.60	2465	9.89	2515
	21	5.36	2060	6.30	2124	7.00	2146	7.70	2189	8.37	2305	9.04	2420	9.49	2492	9.77	2542
	22	5.29	2083	6.23	2147	6.92	2169	7.60	2213	8.27	2330	8.93	2446	9.37	2520	9.65	2570
	23	5.23	2106	6.15	2171	6.84	2193	7.51	2238	8.17	2356	8.82	2473	9.26	2547	9.54	2598
	24	5.17	2129	6.08	2195	6.76	2217	7.42	2262	8.07	2381	8.71	2500	9.15	2576	9.42	2627
	25	5.11	2153	6.01	2219	6.67	2241	7.33	2287	7.97	2408	8.61	2528	9.04	2604	9.31	2656
	26	5.04	2176	5.93	2243	6.59	2266	7.25	2312	7.88	2434	8.51	2556	8.93	2632	9.20	2685
	27	4.98	2200	5.86	2268	6.51	2291	7.16	2338	7.78	2461	8.40	2584	8.82	2661	9.09	2715
	28	4.92	2224	5.79	2293	6.44	2316	7.07	2364	7.69	2488	8.30	2612	8.72	2691	8.98	2745
29	4.86	2249	5.72	2318	6.36	2342	6.99	2390	7.60	2515	8.20	2641	8.61	2720	8.87	2775	
30	4.81	2274	5.65	2344	6.28	2368	6.90	2416	7.50	2543	8.11	2670	8.51	2750	8.77	2805	
80%	15	5.57	1938	6.56	1998	7.28	2018	8.01	2059	8.70	2168	9.40	2276	9.87	2345	10.16	2391
	16	5.51	1954	6.48	2014	7.20	2035	7.91	2076	8.60	2185	9.29	2295	9.75	2363	10.04	2411
	17	5.44	1970	6.40	2030	7.11	2051	7.82	2093	8.50	2203	9.18	2313	9.63	2382	9.92	2430
	18	5.38	1985	6.33	2047	7.03	2067	7.72	2110	8.40	2221	9.07	2332	9.52	2402	9.81	2450
	19	5.31	2001	6.25	2063	6.95	2084	7.63	2127	8.30	2239	8.96	2351	9.41	2421	9.69	2469
	20	5.26	2018	6.19	2080	6.88	2101	7.56	2144	8.21	2257	8.87	2369	9.31	2441	9.59	2489
	21	5.20	2040	6.11	2103	6.79	2124	7.47	2167	8.12	2281	8.76	2396	9.20	2467	9.48	2517
	22	5.14	2062	6.04	2126	6.71	2147	7.38	2191	8.02	2307	8.66	2422	9.09	2495	9.37	2544
	23	5.07	2085	5.97	2149	6.63	2171	7.29	2215	7.92	2332	8.56	2449	8.98	2522	9.25	2572
	24	5.01	2108	5.90	2173	6.55	2195	7.20	2240	7.83	2358	8.45	2475	8.88	2550	9.14	2601
	25	4.95	2131	5.83	2197	6.47	2219	7.11	2264	7.73	2384	8.35	2503	8.77	2578	9.03	2629
	26	4.89	2154	5.76	2221	6.40	2243	7.03	2289	7.64	2410	8.25	2530	8.66	2606	8.92	2658
	27	4.83	2178	5.69	2245	6.32	2268	6.94	2314	7.55	2436	8.15	2558	8.56	2635	8.82	2688
	28	4.78	2202	5.62	2270	6.24	2293	6.86	2340	7.46	2463	8.05	2586	8.46	2664	8.71	2717
29	4.72	2226	5.55	2295	6.17	2318	6.78	2366	7.37	2490	7.96	2615	8.36	2693	8.61	2747	
30	4.66	2251	5.49	2320	6.09	2344	6.70	2392	7.28	2518	7.86	2643	8.26	2723	8.50	2777	

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

36K

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
130%	21	18	10.26	6.16	0.60	2320	10.16	6.10	0.60	2341	10.05	6.03	0.60	2362	9.92	5.95	0.60	2382	9.82	5.89	0.60	2394	9.72	5.83	0.60	2473	9.58	5.75	0.60	2582	9.41	5.65	0.60	2756	9.19	5.51	0.60	2883	8.92	5.35	0.60	2991	8.19	4.91	0.60	3177	6.76	4.05	0.60	3298
	21	20	10.68	5.13	0.48	2343	10.58	5.08	0.48	2365	10.46	5.02	0.48	2386	10.33	4.96	0.48	2405	10.23	4.91	0.48	2417	10.12	4.86	0.48	2496	9.98	4.79	0.48	2605	9.80	4.70	0.48	2780	9.57	4.59	0.48	2907	9.29	4.46	0.48	3015	8.53	4.09	0.48	3201	7.04	3.38	0.48	3322
	22	18	10.58	6.77	0.64	2343	10.47	6.70	0.64	2365	10.36	6.63	0.64	2386	10.23	6.55	0.64	2406	10.13	6.48	0.64	2418	10.02	6.41	0.64	2498	9.88	6.32	0.64	2608	9.70	6.21	0.64	2784	9.48	6.06	0.64	2912	9.20	5.89	0.64	3022	8.44	5.40	0.64	3209	6.97	4.46	0.64	3332
	22	20	10.90	5.67	0.52	2367	10.79	5.61	0.52	2388	10.68	5.55	0.52	2410	10.54	5.48	0.52	2429	10.44	5.43	0.52	2441	10.32	5.37	0.52	2522	10.18	5.29	0.52	2632	10.00	5.20	0.52	2808	9.77	5.08	0.52	2936	9.48	4.93	0.52	3045	8.70	4.53	0.52	3233	7.18	3.73	0.52	3356
	22	22	11.09	4.44	0.40	2383	10.98	4.39	0.40	2405	10.86	4.34	0.40	2426	10.72	4.29	0.40	2446	10.61	4.25	0.40	2458	10.50	4.20	0.40	2538	10.35	4.14	0.40	2648	10.17	4.07	0.40	2824	9.93	3.97	0.40	2952	9.64	3.86	0.40	3061	8.85	3.54	0.40	3249	7.30	2.92	0.40	3372
	23	18	10.79	7.34	0.68	2367	10.69	7.27	0.68	2389	10.57	7.19	0.68	2410	10.44	7.10	0.68	2430	10.33	7.03	0.68	2442	10.22	6.95	0.68	2523	10.08	6.85	0.68	2634	9.90	6.73	0.68	2812	9.67	6.57	0.68	2942	9.39	6.38	0.68	3052	8.62	5.86	0.68	3242	7.11	4.83	0.68	3365
	23	20	11.13	6.23	0.56	2391	11.01	6.17	0.56	2413	10.90	6.10	0.56	2434	10.76	6.02	0.56	2454	10.65	5.96	0.56	2466	10.53	5.90	0.56	2547	10.39	5.82	0.56	2658	10.20	5.71	0.56	2836	9.96	5.58	0.56	2966	9.67	5.42	0.56	3076	8.88	4.97	0.56	3266	7.33	4.10	0.56	3389
	23	22	11.31	4.98	0.44	2407	11.20	4.93	0.44	2429	11.08	4.88	0.44	2451	10.94	4.81	0.44	2470	10.83	4.77	0.44	2482	10.71	4.71	0.44	2564	10.56	4.65	0.44	2675	10.38	4.57	0.44	2852	10.13	4.46	0.44	2982	9.84	4.33	0.44	3092	9.03	3.97	0.44	3282	7.45	3.28	0.44	3406
	24	18	11.01	7.93	0.72	2391	10.91	7.85	0.72	2413	10.79	7.77	0.72	2435	10.65	7.67	0.72	2454	10.54	7.59	0.72	2467	10.43	7.51	0.72	2549	10.28	7.40	0.72	2661	10.10	7.27	0.72	2840	9.87	7.10	0.72	2972	9.58	6.90	0.72	3083	8.79	6.33	0.72	3275	7.25	5.22	0.72	3399
	24	20	11.35	6.81	0.60	2415	11.24	6.74	0.60	2437	11.12	6.67	0.60	2459	10.97	6.58	0.60	2479	10.87	6.52	0.60	2491	10.75	6.45	0.60	2573	10.60	6.36	0.60	2685	10.41	6.25	0.60	2865	10.17	6.10	0.60	2996	9.87	5.92	0.60	3107	9.06	5.44	0.60	3299	7.48	4.49	0.60	3424
	24	22	11.55	5.54	0.48	2432	11.43	5.49	0.48	2453	11.31	5.43	0.48	2475	11.16	5.36	0.48	2495	11.05	5.30	0.48	2508	10.93	5.25	0.48	2589	10.78	5.17	0.48	2702	10.59	5.08	0.48	2881	10.34	4.96	0.48	3012	10.04	4.82	0.48	3124	9.22	4.42	0.48	3315	7.60	3.65	0.48	3440
	24	24	11.71	4.21	0.36	2451	11.59	4.17	0.36	2473	11.46	4.13	0.36	2495	11.32	4.07	0.36	2515	11.21	4.03	0.36	2527	11.08	3.99	0.36	2609	10.93	3.93	0.36	2721	10.74	3.87	0.36	2901	10.49	3.77	0.36	3032	10.18	3.66	0.36	3143	9.35	3.36	0.36	3335	7.71	2.78	0.36	3460
	25	18	11.36	8.63	0.76	2415	11.24	8.54	0.76	2437	11.12	8.45	0.76	2459	10.98	8.34	0.76	2479	10.87	8.26	0.76	2492	10.75	8.17	0.76	2574	10.60	8.06	0.76	2688	10.42	7.92	0.76	2869	10.17	7.73	0.76	3002	9.87	7.50	0.76	3114	9.07	6.89	0.76	3308	7.48	5.68	0.76	3434
	25	20	11.70	7.49	0.64	2440	11.59	7.42	0.64	2462	11.46	7.34	0.64	2484	11.31	7.24	0.64	2504	11.20	7.17	0.64	2516	11.08	7.09	0.64	2599	10.93	6.99	0.64	2712	10.73	6.87	0.64	2894	10.48	6.71	0.64	3026	10.18	6.51	0.64	3139	9.34	5.98	0.64	3332	7.71	4.93	0.64	3458
	25	22	11.90	6.19	0.52	2456	11.78	6.13	0.52	2478	11.66	6.06	0.52	2500	11.51	5.98	0.52	2520	11.39	5.92	0.52	2533	11.27	5.86	0.52	2616	11.11	5.78	0.52	2729	10.92	5.68	0.52	2910	10.66	5.54	0.52	3043	10.35	5.38	0.52	3155	9.50	4.94	0.52	3349	7.84	4.08	0.52	3475
	25	24	12.07	4.83	0.40	2476	11.95	4.78	0.40	2498	11.82	4.73	0.40	2520	11.67	4.67	0.40	2540	11.55	4.62	0.40	2552	11.43	4.57	0.40	2635	11.27	4.51	0.40	2748	11.07	4.43	0.40	2930	10.81	4.32	0.40	3062	10.50	4.20	0.40	3175	9.63	3.85	0.40	3368	7.95	3.18	0.40	3495
	26	18	11.71	9.37	0.80	2439	11.59	9.27	0.80	2462	11.46	9.17	0.80	2484	11.32	9.05	0.80	2504	11.21	8.96	0.80	2517	11.08	8.87	0.80	2600	10.93	8.74	0.80	2715	10.74	8.59	0.80	2898	10.49	8.39	0.80	3032	10.18	8.14	0.80	3145	9.35	7.48	0.80	3341	7.71	6.17	0.80	3468
	26	20	12.07	8.20	0.68	2464	11.95	8.12	0.68	2486	11.82	8.03	0.68	2509	11.66	7.93	0.68	2529	11.55	7.85	0.68	2542	11.42	7.77	0.68	2625	11.27	7.66	0.68	2740	11.07	7.52	0.68	2923	10.81	7.35	0.68	3057	10.49	7.13	0.68	3170	9.63	6.55	0.68	3366	7.95	5.40	0.68	3493
	26	22	12.27	6.87	0.56	2481	12.15	6.80	0.56	2503	12.02	6.73	0.56	2526	11.86	6.64	0.56	2546	11.74	6.58	0.56	2558	11.62	6.51	0.56	2642	11.46	6.42	0.56	2756	11.25	6.30	0.56	2940	10.99	6.15	0.56	3073	10.67	5.98	0.56	3187	9.80	5.49	0.56	3383	8.08	4.53	0.56	3510
	26	24	12.44	5.47	0.44	2501	12.32	5.42	0.44	2523	12.18	5.36	0.44	2546	12.03	5.29	0.44	2566	11.91	5.24	0.44	2578	11.78	5.18	0.44	2662	11.62	5.11	0.44	2776	11.41	5.02	0.44	2959	11.14	4.90	0.44	3093	10.82	4.76	0.44	3207	9.93	4.37	0.44	3402	8.19	3.61	0.44	3530
	26	26	12.64	4.05	0.32	2524	12.52	4.01	0.32	2546	12.38	3.96	0.32	2568	12.22	3.91	0.32	2588	12.10	3.87	0.32	2601	11.97	3.83	0.32	2685	11.80	3.78	0.32	2799	11.59	3.71	0.32	2982	11.32	3.62	0.32	3116	10.99	3.52	0.32	3230	10.09	3.23	0.32	3425	8.33	2.66	0.32	3553
	27	18	11.95	10.03	0.84	2464	11.83	9.93	0.84	2487	11.70	9.83	0.84	2509	11.55	9.70	0.84	2530	11.43	9.60	0.84	2542	11.31	9.50	0.84	2627	11.15	9.37	0.84	2742	10.96	9.20	0.84	2927	10.70	8.99	0.84	3063	10.39	8.73	0.84	3177	9.54	8.01	0.84	3375	7.87	6.61	0.84	3503
	27	19	12.19	9.51	0.78	2474	12.07	9.41	0.78	2497	11.94	9.31	0.78	2519	11.78	9.19	0.78	2540	11.67	9.10	0.78	2552	11.54	9.00	0.78	2637	11.38	8.88	0.78	2752	11.18	8.72	0.78	2937	10.92	8.52	0.78	3073	10.60	8.27	0.78	3187	9.73	7.59	0.78	3385	8.03	6.26	0.78	3513
	27	20	12.31	8.86	0.72	2489	12.19	8.78	0.72	2512	12.06	8.68	0.72	2534	11.90	8.57	0.72	2555	11.78	8.48	0.72	2567	11.66	8.39	0.72	2652	11.50	8.28	0.72	2767	11.29	8.13	0.72	2952	11.03	7.94	0.72	3088	10.71	7.71	0.72	3202	9.83	7.08	0.72	3400	8.11	5.84	0.72	3528
	27	22	12.52	7.51	0.60	2506	12.40	7.44	0.60	2529	12.26	7.36	0.60	2551	12.10	7.26	0.60	2572	11.98	7.19	0.60	2584	11.85	7.11	0.60	2669	11.69	7.01	0.60	2784	11.48	6.89	0.60	2969	11.21	6.73	0.60	3105	10.89	6.53	0.60	3219	10.00	6.00	0.60	3417	8.25	4.95	0.60	3545
	27	24	12.70	6.09	0.48	2526	12.57	6.03	0.48	2549	12.43	5.97	0.48	2571	12.27	5.89	0.48	2592																																

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	IDWB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
120%	21	18	10.16	6.10	0.60	2298	10.06	6.04	0.60	2319	9.95	5.97	0.60	2340	9.83	5.90	0.60	2359	9.73	5.84	0.60	2371	9.62	5.77	0.60	2449	9.49	5.69	0.60	2557	9.32	5.59	0.60	2730	9.10	5.46	0.60	2856	8.84	5.30	0.60	2963	8.11	4.87	0.60	3147	6.69	4.02	0.60	3267
	21	20	10.58	5.08	0.48	2321	10.48	5.03	0.48	2342	10.36	4.98	0.48	2363	10.23	4.91	0.48	2382	10.13	4.86	0.48	2394	10.02	4.81	0.48	2473	9.88	4.74	0.48	2581	9.71	4.66	0.48	2753	9.48	4.55	0.48	2879	9.20	4.42	0.48	2986	8.45	4.06	0.48	3170	6.97	3.35	0.48	3290
	22	18	10.48	6.71	0.64	2321	10.38	6.64	0.64	2342	10.26	6.57	0.64	2363	10.13	6.48	0.64	2382	10.03	6.42	0.64	2394	9.92	6.35	0.64	2474	9.78	6.26	0.64	2583	9.61	6.15	0.64	2757	9.39	6.01	0.64	2884	9.11	5.83	0.64	2993	8.37	5.35	0.64	3179	6.90	4.42	0.64	3300
	22	20	10.80	5.62	0.52	2345	10.69	5.56	0.52	2366	10.58	5.50	0.52	2387	10.44	5.43	0.52	2406	10.34	5.38	0.52	2418	10.22	5.32	0.52	2498	10.08	5.24	0.52	2607	9.91	5.15	0.52	2781	9.67	5.03	0.52	2908	9.39	4.88	0.52	3016	8.62	4.48	0.52	3202	7.11	3.70	0.52	3324
	22	22	10.98	4.39	0.40	2361	10.87	4.35	0.40	2382	10.76	4.30	0.40	2403	10.62	4.25	0.40	2422	10.51	4.21	0.40	2434	10.40	4.16	0.40	2514	10.26	4.10	0.40	2623	10.07	4.03	0.40	2797	9.84	3.94	0.40	2924	9.55	3.82	0.40	3032	8.77	3.51	0.40	3219	7.23	2.89	0.40	3340
	23	18	10.69	7.27	0.68	2344	10.59	7.20	0.68	2366	10.47	7.12	0.68	2387	10.34	7.03	0.68	2407	10.23	6.96	0.68	2419	10.12	6.88	0.68	2499	9.98	6.79	0.68	2609	9.81	6.67	0.68	2785	9.58	6.51	0.68	2914	9.30	6.32	0.68	3023	8.54	5.80	0.68	3211	7.04	4.79	0.68	3333
	23	20	11.02	6.17	0.56	2368	10.91	6.11	0.56	2390	10.79	6.04	0.56	2411	10.65	5.97	0.56	2431	10.55	5.91	0.56	2443	10.43	5.84	0.56	2523	10.29	5.76	0.56	2633	10.11	5.66	0.56	2809	9.87	5.53	0.56	2938	9.58	5.37	0.56	3047	8.80	4.93	0.56	3235	7.26	4.06	0.56	3357
	23	22	11.21	4.93	0.44	2385	11.10	4.88	0.44	2406	10.98	4.83	0.44	2428	10.83	4.77	0.44	2447	10.73	4.72	0.44	2459	10.61	4.67	0.44	2539	10.46	4.60	0.44	2649	10.28	4.52	0.44	2825	10.04	4.42	0.44	2954	9.75	4.29	0.44	3063	8.95	3.94	0.44	3251	7.38	3.25	0.44	3373
	24	18	10.91	7.86	0.72	2368	10.80	7.78	0.72	2390	10.69	7.69	0.72	2411	10.55	7.59	0.72	2431	10.44	7.52	0.72	2443	10.33	7.44	0.72	2524	10.19	7.34	0.72	2635	10.01	7.21	0.72	2813	9.77	7.04	0.72	2943	9.49	6.83	0.72	3053	8.71	6.27	0.72	3243	7.19	5.17	0.72	3367
	24	20	11.24	6.75	0.60	2392	11.13	6.68	0.60	2414	11.01	6.61	0.60	2436	10.87	6.52	0.60	2455	10.76	6.46	0.60	2467	10.65	6.39	0.60	2548	10.50	6.30	0.60	2660	10.31	6.19	0.60	2837	10.07	6.04	0.60	2967	9.78	5.87	0.60	3078	8.98	5.39	0.60	3267	7.41	4.44	0.60	3391
	24	22	11.44	5.49	0.48	2409	11.32	5.43	0.48	2430	11.20	5.38	0.48	2452	11.06	5.31	0.48	2472	10.95	5.25	0.48	2484	10.83	5.20	0.48	2565	10.68	5.13	0.48	2676	10.49	5.03	0.48	2854	10.24	4.92	0.48	2984	9.94	4.77	0.48	3094	9.13	4.38	0.48	3284	7.53	3.62	0.48	3408
	24	24	11.60	4.17	0.36	2428	11.48	4.13	0.36	2450	11.36	4.09	0.36	2471	11.21	4.04	0.36	2491	11.10	4.00	0.36	2503	10.98	3.95	0.36	2584	10.83	3.90	0.36	2695	10.64	3.83	0.36	2873	10.39	3.74	0.36	3003	10.08	3.63	0.36	3113	9.26	3.33	0.36	3303	7.64	2.75	0.36	3427
	25	18	11.25	8.55	0.76	2392	11.14	8.46	0.76	2414	11.02	8.37	0.76	2436	10.87	8.26	0.76	2455	10.77	8.18	0.76	2468	10.65	8.09	0.76	2550	10.50	7.98	0.76	2662	10.32	7.84	0.76	2842	10.08	7.66	0.76	2973	9.78	7.43	0.76	3084	8.98	6.82	0.76	3276	7.41	5.63	0.76	3401
	25	20	11.59	7.42	0.64	2416	11.48	7.35	0.64	2438	11.35	7.27	0.64	2460	11.21	7.17	0.64	2480	11.10	7.10	0.64	2492	10.98	7.02	0.64	2574	10.82	6.93	0.64	2686	10.63	6.80	0.64	2866	10.38	6.65	0.64	2997	10.08	6.45	0.64	3109	9.25	5.92	0.64	3300	7.63	4.89	0.64	3425
	25	22	11.79	6.13	0.52	2433	11.67	6.07	0.52	2455	11.55	6.00	0.52	2477	11.40	5.93	0.52	2497	11.29	5.87	0.52	2509	11.16	5.80	0.52	2591	11.01	5.72	0.52	2703	10.81	5.62	0.52	2883	10.56	5.49	0.52	3014	10.25	5.33	0.52	3125	9.41	4.89	0.52	3317	7.76	4.04	0.52	3442
	25	24	11.95	4.78	0.40	2453	11.84	4.73	0.40	2474	11.71	4.68	0.40	2496	11.56	4.62	0.40	2516	11.44	4.58	0.40	2529	11.32	4.53	0.40	2610	11.16	4.46	0.40	2723	10.96	4.39	0.40	2902	10.71	4.28	0.40	3034	10.40	4.16	0.40	3145	9.54	3.82	0.40	3337	7.87	3.15	0.40	3462
	26	18	11.60	9.28	0.80	2416	11.48	9.19	0.80	2438	11.36	9.09	0.80	2460	11.21	8.97	0.80	2480	11.10	8.88	0.80	2493	10.98	8.78	0.80	2575	10.83	8.66	0.80	2689	10.64	8.51	0.80	2870	10.39	8.31	0.80	3003	10.08	8.07	0.80	3115	9.26	7.41	0.80	3309	7.64	6.11	0.80	3435
	26	20	11.95	8.13	0.68	2441	11.83	8.05	0.68	2463	11.70	7.96	0.68	2485	11.55	7.86	0.68	2505	11.44	7.78	0.68	2517	11.32	7.69	0.68	2600	11.16	7.59	0.68	2714	10.96	7.45	0.68	2895	10.70	7.28	0.68	3028	10.39	7.07	0.68	3140	9.54	6.49	0.68	3334	7.87	5.35	0.68	3460
	26	22	12.15	6.81	0.56	2458	12.03	6.74	0.56	2480	11.90	6.67	0.56	2502	11.75	6.58	0.56	2522	11.63	6.52	0.56	2534	11.51	6.44	0.56	2617	11.35	6.36	0.56	2730	11.15	6.24	0.56	2912	10.89	6.10	0.56	3044	10.57	5.92	0.56	3157	9.70	5.43	0.56	3351	8.00	4.48	0.56	3477
	26	24	12.32	5.42	0.44	2477	12.20	5.37	0.44	2499	12.07	5.31	0.44	2522	11.91	5.24	0.44	2542	11.80	5.19	0.44	2554	11.67	5.13	0.44	2637	11.51	5.06	0.44	2750	11.30	4.97	0.44	2932	11.04	4.86	0.44	3064	10.72	4.72	0.44	3177	9.84	4.33	0.44	3370	8.12	3.57	0.44	3497
	26	26	12.52	4.01	0.32	2500	12.40	3.97	0.32	2522	12.26	3.92	0.32	2544	12.11	3.87	0.32	2564	11.99	3.84	0.32	2577	11.86	3.79	0.32	2660	11.69	3.74	0.32	2773	11.48	3.68	0.32	2954	11.22	3.59	0.32	3087	10.89	3.48	0.32	3199	10.00	3.20	0.32	3393	8.25	2.64	0.32	3519
	27	18	11.83	9.94	0.84	2440	11.72	9.84	0.84	2463	11.59	9.73	0.84	2485	11.44	9.61	0.84	2505	11.33	9.51	0.84	2518	11.20	9.41	0.84	2601	11.05	9.28	0.84	2716	10.85	9.12	0.84	2899	10.60	8.90	0.84	3033	10.29	8.64	0.84	3147	9.45	7.93	0.84	3342	7.79	6.55	0.84	3470
	27	19	12.07	9.42	0.78	2450	11.95	9.32	0.78	2473	11.82	9.22	0.78	2495	11.67	9.10	0.78	2515	11.56	9.01	0.78	2528	11.43	8.92	0.78	2611	11.27	8.79	0.78	2726	11.07	8.64	0.78	2909	10.82	8.44	0.78	3043	10.50	8.19	0.78	3157	9.64	7.52	0.78	3352	7.95	6.20	0.78	3480
	27	20	12.20	8.78	0.72	2465	12.07	8.69	0.72	2488	11.94	8.60	0.72	2510	11.79	8.49	0.72	2530	11.67	8.40	0.72	2543	11.55	8.31	0.72	2626	11.39	8.20	0.72	2741	11.19	8.05	0.72	2924	10.92	7.86	0.72	3058	10.61	7.64	0.72	3172	9.74	7.01	0.72	3367	8.03	5.78	0.72	3495
	27	22	12.40	7.44	0.60	2482	12.28	7.37	0.60	2505	12.15	7.29	0.60	2527	11.99	7.19	0.60	2547	11.87	7.12	0.60	2560	11.74	7.05	0.60	2643	11.58	6.95	0.60	2758	11.38	6.83	0.60	2941	11.11	6.67	0.60	3075	10.79	6.47	0.60	3189	9.90	5.94	0.60	3384	8.17	4.90	0.60	3512
	27	24	12.58	6.04	0.48	2502	12.45	5.98	0.48	2525	12.32	5.91	0.48	2547	12.16	5.84	0.48	2567	12.04	5.78	0.48	2580	11.91																											

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
110%	21	18	9.97	5.98	0.60	2275	9.87	5.92	0.60	2296	9.76	5.86	0.60	2317	9.64	5.78	0.60	2336	9.54	5.73	0.60	2348	9.44	5.66	0.60	2425	9.31	5.59	0.60	2532	9.15	5.49	0.60	2703	8.93	5.36	0.60	2828	8.67	5.20	0.60	2934	7.96	4.78	0.60	3116	6.57	3.94	0.60	3235
	21	20	10.38	4.98	0.48	2299	10.28	4.93	0.48	2320	10.17	4.88	0.48	2341	10.04	4.82	0.48	2359	9.94	4.77	0.48	2371	9.83	4.72	0.48	2449	9.69	4.65	0.48	2556	9.52	4.57	0.48	2727	9.30	4.46	0.48	2851	9.03	4.33	0.48	2957	8.29	3.98	0.48	3140	6.84	3.28	0.48	3259
	22	18	10.28	6.58	0.64	2298	10.18	6.51	0.64	2319	10.07	6.44	0.64	2340	9.94	6.36	0.64	2359	9.84	6.30	0.64	2371	9.73	6.23	0.64	2450	9.60	6.14	0.64	2558	9.43	6.03	0.64	2730	9.21	5.89	0.64	2856	8.94	5.72	0.64	2964	8.21	5.25	0.64	3148	6.77	4.33	0.64	3268
	22	20	10.59	5.51	0.52	2322	10.49	5.45	0.52	2343	10.37	5.39	0.52	2364	10.24	5.33	0.52	2383	10.14	5.27	0.52	2395	10.03	5.22	0.52	2474	9.89	5.14	0.52	2582	9.72	5.05	0.52	2754	9.49	4.93	0.52	2880	9.21	4.79	0.52	2987	8.46	4.40	0.52	3172	6.98	3.63	0.52	3292
	22	22	10.77	4.31	0.40	2338	10.67	4.27	0.40	2359	10.55	4.22	0.40	2380	10.42	4.17	0.40	2399	10.31	4.13	0.40	2411	10.20	4.08	0.40	2490	10.06	4.02	0.40	2598	9.88	3.95	0.40	2770	9.65	3.86	0.40	2896	9.37	3.75	0.40	3003	8.60	3.44	0.40	3188	7.10	2.84	0.40	3308
	23	18	10.49	7.13	0.68	2321	10.39	7.06	0.68	2343	10.27	6.99	0.68	2364	10.14	6.90	0.68	2383	10.04	6.83	0.68	2395	9.93	6.75	0.68	2475	9.79	6.66	0.68	2584	9.62	6.54	0.68	2758	9.39	6.39	0.68	2885	9.12	6.20	0.68	2993	8.37	5.69	0.68	3180	6.91	4.70	0.68	3301
	23	20	10.81	6.05	0.56	2346	10.70	5.99	0.56	2367	10.59	5.93	0.56	2388	10.45	5.85	0.56	2407	10.35	5.79	0.56	2419	10.23	5.73	0.56	2499	10.09	5.65	0.56	2608	9.91	5.55	0.56	2782	9.68	5.42	0.56	2909	9.40	5.26	0.56	3017	8.63	4.83	0.56	3204	7.12	3.99	0.56	3325
	23	22	10.99	4.84	0.44	2362	10.89	4.79	0.44	2383	10.77	4.74	0.44	2404	10.63	4.68	0.44	2424	10.52	4.63	0.44	2436	10.41	4.58	0.44	2515	10.27	4.52	0.44	2624	10.08	4.44	0.44	2798	9.85	4.33	0.44	2926	9.56	4.21	0.44	3034	8.78	3.86	0.44	3220	7.24	3.19	0.44	3341
	24	18	10.70	7.71	0.72	2345	10.60	7.63	0.72	2366	10.48	7.55	0.72	2388	10.35	7.45	0.72	2407	10.24	7.38	0.72	2419	10.13	7.30	0.72	2500	9.99	7.20	0.72	2610	9.82	7.07	0.72	2786	9.59	6.90	0.72	2914	9.31	6.70	0.72	3024	8.54	6.15	0.72	3212	7.05	5.08	0.72	3334
	24	20	11.03	6.62	0.60	2369	10.92	6.55	0.60	2391	10.80	6.48	0.60	2412	10.66	6.40	0.60	2432	10.56	6.34	0.60	2444	10.44	6.27	0.60	2524	10.30	6.18	0.60	2634	10.12	6.07	0.60	2810	9.88	5.93	0.60	2939	9.59	5.76	0.60	3048	8.81	5.28	0.60	3236	7.26	4.36	0.60	3358
	24	22	11.22	5.38	0.48	2386	11.11	5.33	0.48	2407	10.99	5.27	0.48	2429	10.85	5.21	0.48	2448	10.74	5.15	0.48	2460	10.62	5.10	0.48	2540	10.47	5.03	0.48	2650	10.29	4.94	0.48	2827	10.05	4.82	0.48	2955	9.76	4.68	0.48	3064	8.96	4.30	0.48	3253	7.39	3.55	0.48	3375
	24	24	11.38	4.10	0.36	2405	11.26	4.05	0.36	2426	11.14	4.01	0.36	2448	11.00	3.96	0.36	2467	10.89	3.92	0.36	2480	10.77	3.88	0.36	2560	10.62	3.82	0.36	2670	10.43	3.76	0.36	2846	10.19	3.67	0.36	2975	9.89	3.56	0.36	3084	9.08	3.27	0.36	3272	7.49	2.70	0.36	3394
	25	18	11.03	8.39	0.76	2369	10.92	8.30	0.76	2390	10.81	8.21	0.76	2412	10.67	8.11	0.76	2432	10.56	8.03	0.76	2444	10.45	7.94	0.76	2525	10.30	7.83	0.76	2636	10.12	7.69	0.76	2814	9.88	7.51	0.76	2944	9.60	7.29	0.76	3054	8.81	6.69	0.76	3244	7.27	5.52	0.76	3368
	25	20	11.37	7.28	0.64	2393	11.26	7.21	0.64	2415	11.14	7.13	0.64	2437	10.99	7.04	0.64	2456	10.89	6.97	0.64	2468	10.77	6.89	0.64	2549	10.62	6.80	0.64	2661	10.43	6.68	0.64	2838	10.19	6.52	0.64	2968	9.89	6.33	0.64	3079	9.08	5.81	0.64	3269	7.49	4.79	0.64	3392
	25	22	11.57	6.01	0.52	2410	11.45	5.95	0.52	2431	11.33	5.89	0.52	2453	11.18	5.81	0.52	2473	11.07	5.76	0.52	2485	10.95	5.69	0.52	2566	10.80	5.62	0.52	2677	10.61	5.52	0.52	2855	10.36	5.39	0.52	2985	10.06	5.23	0.52	3095	9.23	4.80	0.52	3285	7.62	3.96	0.52	3409
	25	24	11.73	4.69	0.40	2429	11.61	4.64	0.40	2451	11.48	4.59	0.40	2473	11.34	4.53	0.40	2492	11.23	4.49	0.40	2505	11.10	4.44	0.40	2586	10.95	4.38	0.40	2697	10.76	4.30	0.40	2875	10.50	4.20	0.40	3005	10.20	4.08	0.40	3115	9.36	3.74	0.40	3305	7.72	3.09	0.40	3429
	26	18	11.38	9.10	0.80	2393	11.26	9.01	0.80	2414	11.14	8.91	0.80	2436	11.00	8.80	0.80	2456	10.89	8.71	0.80	2469	10.77	8.62	0.80	2550	10.62	8.50	0.80	2663	10.43	8.35	0.80	2842	10.19	8.15	0.80	2974	9.89	7.91	0.80	3085	9.08	7.26	0.80	3277	7.49	5.99	0.80	3402
	26	20	11.72	7.97	0.68	2417	11.61	7.89	0.68	2439	11.48	7.81	0.68	2461	11.33	7.71	0.68	2481	11.22	7.63	0.68	2493	11.10	7.55	0.68	2575	10.95	7.44	0.68	2687	10.75	7.31	0.68	2867	10.50	7.14	0.68	2998	10.19	6.93	0.68	3110	9.36	6.36	0.68	3302	7.72	5.25	0.68	3427
	26	22	11.92	6.68	0.56	2434	11.80	6.61	0.56	2456	11.68	6.54	0.56	2478	11.53	6.45	0.56	2498	11.41	6.39	0.56	2510	11.29	6.32	0.56	2592	11.13	6.23	0.56	2704	10.94	6.12	0.56	2884	10.68	5.98	0.56	3015	10.37	5.81	0.56	3127	9.52	5.33	0.56	3319	7.85	4.40	0.56	3443
	26	24	12.09	5.32	0.44	2454	11.97	5.27	0.44	2476	11.84	5.21	0.44	2498	11.69	5.14	0.44	2518	11.57	5.09	0.44	2530	11.45	5.04	0.44	2612	11.29	4.97	0.44	2724	11.09	4.88	0.44	2904	10.83	4.76	0.44	3035	10.51	4.63	0.44	3146	9.65	4.25	0.44	3338	7.96	3.50	0.44	3463
	26	26	12.28	3.93	0.32	2477	12.16	3.89	0.32	2499	12.03	3.85	0.32	2521	11.87	3.80	0.32	2540	11.76	3.76	0.32	2553	11.63	3.72	0.32	2635	11.47	3.67	0.32	2747	11.27	3.61	0.32	2927	11.00	3.52	0.32	3058	10.68	3.42	0.32	3169	9.81	3.14	0.32	3361	8.09	2.59	0.32	3486
	27	18	11.61	9.75	0.84	2417	11.49	9.65	0.84	2439	11.37	9.55	0.84	2461	11.22	9.43	0.84	2481	11.11	9.33	0.84	2493	10.99	9.23	0.84	2576	10.84	9.10	0.84	2690	10.65	8.94	0.84	2871	10.40	8.73	0.84	3004	3116	9.27	7.78	0.84	3310	7.64	6.42	0.84	3436			
	27	19	11.84	9.24	0.78	2427	11.73	9.15	0.78	2449	11.60	9.05	0.78	2471	11.45	8.93	0.78	2491	11.34	8.84	0.78	2503	11.21	8.75	0.78	2586	11.06	8.63	0.78	2700	10.86	8.47	0.78	2881	10.61	8.28	0.78	3014	10.30	8.03	0.78	3126	9.46	7.38	0.78	3320	7.80	6.08	0.78	3446
	27	20	11.96	8.61	0.72	2442	11.84	8.53	0.72	2464	11.72	8.44	0.72	2486	11.57	8.33	0.72	2506	11.45	8.24	0.72	2518	11.33	8.15	0.72	2601	11.17	8.04	0.72	2715	10.97	7.90	0.72	2896	10.72	7.71	0.72	3029	10.40	7.49	0.72	3141	9.55	6.88	0.72	3335	7.88	5.67	0.72	3461
	27	22	12.17	7.30	0.60	2459	12.05	7.23	0.60	2481	11.91	7.15	0.60	2503	11.76	7.06	0.60	2523	11.65	6.99	0.60	2535	11.52	6.91	0.60	2618	11.36	6.82	0.60	2732	11.16	6.70	0.60	2913	10.90	6.54	0.60	3046	10.58	6.35	0.60	3158	9.71	5.83	0.60	3352	8.01	4.81	0.60	3478
	27	24	12.34	5.92	0.48	2479	12.21	5.86	0.48	2501	12.08	5.80	0.48	2523	11.93	5.72	0.48	2543	11.81	5.67	0.48	2555	11.68	5.61	0.48	2638	11.52	5.53</																						

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
100%	21	18	9.68	5.81	0.60	2220	9.58	5.75	0.60	2240	9.48	5.69	0.60	2260	9.36	5.62	0.60	2279	9.27	5.56	0.60	2290	9.17	5.50	0.60	2366	9.04	5.42	0.60	2470	8.88	5.33	0.60	2637	8.67	5.20	0.60	2759	8.42	5.05	0.60	2862	7.73	4.64	0.60	3040	6.38	3.83	0.60	3156
	21	20	10.08	4.84	0.48	2243	9.98	4.79	0.48	2263	9.87	4.74	0.48	2284	9.74	4.68	0.48	2302	9.65	4.63	0.48	2314	9.54	4.58	0.48	2390	9.41	4.52	0.48	2494	9.24	4.44	0.48	2660	9.03	4.33	0.48	2782	8.77	4.21	0.48	2886	8.05	3.86	0.48	3064	6.64	3.19	0.48	3180
	22	18	9.98	6.39	0.64	2242	9.88	6.32	0.64	2262	9.77	6.26	0.64	2283	9.65	6.17	0.64	2302	9.55	6.11	0.64	2313	9.45	6.05	0.64	2390	9.32	5.96	0.64	2495	9.15	5.86	0.64	2664	8.94	5.72	0.64	2787	8.68	5.55	0.64	2891	7.97	5.10	0.64	3071	6.57	4.21	0.64	3188
	22	20	10.29	5.35	0.52	2266	10.18	5.30	0.52	2286	10.07	5.24	0.52	2307	9.94	5.17	0.52	2325	9.85	5.12	0.52	2337	9.74	5.06	0.52	2414	9.60	4.99	0.52	2519	9.43	4.91	0.52	2687	9.21	4.79	0.52	2810	8.94	4.65	0.52	2915	8.21	4.27	0.52	3095	6.77	3.52	0.52	3212
	22	22	10.46	4.18	0.40	2282	10.36	4.14	0.40	2302	10.24	4.10	0.40	2323	10.11	4.05	0.40	2342	10.01	4.00	0.40	2353	9.90	3.96	0.40	2430	9.77	3.91	0.40	2535	9.59	3.84	0.40	2704	9.37	3.75	0.40	2827	9.10	3.64	0.40	2931	8.35	3.34	0.40	3111	6.89	2.76	0.40	3228
	23	18	10.18	6.92	0.68	2265	10.08	6.86	0.68	2285	9.97	6.78	0.68	2306	9.85	6.69	0.68	2325	9.75	6.63	0.68	2337	9.64	6.56	0.68	2414	9.51	6.47	0.68	2520	9.34	6.35	0.68	2690	9.12	6.20	0.68	2815	8.86	6.02	0.68	2920	8.13	5.53	0.68	3102	6.71	4.56	0.68	3220
	23	20	10.50	5.88	0.56	2289	10.39	5.82	0.56	2309	10.28	5.76	0.56	2330	10.15	5.68	0.56	2349	10.05	5.63	0.56	2361	9.94	5.56	0.56	2438	9.80	5.49	0.56	2544	9.63	5.39	0.56	2714	9.40	5.26	0.56	2839	9.13	5.11	0.56	2944	8.38	4.69	0.56	3126	6.91	3.87	0.56	3244
	23	22	10.67	4.70	0.44	2305	10.57	4.65	0.44	2326	10.45	4.60	0.44	2346	10.32	4.54	0.44	2365	10.22	4.50	0.44	2377	10.11	4.45	0.44	2454	9.97	4.39	0.44	2561	9.79	4.31	0.44	2731	9.56	4.21	0.44	2855	9.28	4.08	0.44	2961	8.52	3.75	0.44	3142	7.03	3.09	0.44	3260
	24	18	10.39	7.48	0.72	2288	10.29	7.41	0.72	2308	10.18	7.33	0.72	2329	10.05	7.23	0.72	2348	9.95	7.16	0.72	2360	9.84	7.08	0.72	2438	9.70	6.99	0.72	2546	9.53	6.86	0.72	2718	9.31	6.70	0.72	2843	9.04	6.51	0.72	2950	8.30	5.97	0.72	3133	6.84	4.93	0.72	3253
	24	20	10.71	6.43	0.60	2312	10.60	6.36	0.60	2333	10.49	6.29	0.60	2354	10.35	6.21	0.60	2373	10.25	6.15	0.60	2384	10.14	6.08	0.60	2463	10.00	6.00	0.60	2570	9.82	5.89	0.60	2742	9.59	5.76	0.60	2867	9.31	5.59	0.60	2974	8.55	5.13	0.60	3157	7.05	4.23	0.60	3277
	24	22	10.89	5.23	0.48	2328	10.78	5.18	0.48	2349	10.67	5.12	0.48	2370	10.53	5.05	0.48	2389	10.43	5.00	0.48	2401	10.31	4.95	0.48	2479	10.17	4.88	0.48	2587	9.99	4.80	0.48	2758	9.76	4.68	0.48	2884	9.47	4.55	0.48	2990	8.69	4.17	0.48	3174	7.17	3.44	0.48	3293
	24	24	11.04	3.98	0.36	2348	10.93	3.94	0.36	2369	10.82	3.89	0.36	2390	10.68	3.84	0.36	2408	10.57	3.81	0.36	2420	10.46	3.76	0.36	2499	10.31	3.71	0.36	2606	10.13	3.65	0.36	2778	9.89	3.56	0.36	2903	9.60	3.46	0.36	3010	8.82	3.17	0.36	3193	7.27	2.62	0.36	3313
	25	18	10.71	8.14	0.76	2311	10.61	8.06	0.76	2332	10.49	7.97	0.76	2353	10.36	7.87	0.76	2372	10.25	7.79	0.76	2384	10.14	7.71	0.76	2463	10.00	7.60	0.76	2572	9.83	7.47	0.76	2745	9.60	7.29	0.76	2872	9.32	7.08	0.76	2980	8.55	6.50	0.76	3165	7.06	5.36	0.76	3285
	25	20	11.04	7.07	0.64	2335	10.93	7.00	0.64	2356	10.81	6.92	0.64	2377	10.67	6.83	0.64	2397	10.57	6.76	0.64	2408	10.45	6.69	0.64	2488	10.31	6.60	0.64	2596	10.13	6.48	0.64	2770	9.89	6.33	0.64	2896	9.60	6.14	0.64	3004	8.81	5.64	0.64	3189	7.27	4.65	0.64	3310
	25	22	11.23	5.84	0.52	2352	11.12	5.78	0.52	2373	11.00	5.72	0.52	2394	10.86	5.64	0.52	2413	10.75	5.59	0.52	2425	10.63	5.53	0.52	2504	10.48	5.45	0.52	2613	10.30	5.36	0.52	2786	10.06	5.23	0.52	2913	9.76	5.08	0.52	3021	8.96	4.66	0.52	3206	7.39	3.85	0.52	3327
	25	24	11.39	4.55	0.40	2371	11.27	4.51	0.40	2392	11.15	4.46	0.40	2414	11.01	4.40	0.40	2433	10.90	4.36	0.40	2445	10.78	4.31	0.40	2524	10.63	4.25	0.40	2632	10.44	4.18	0.40	2806	10.20	4.08	0.40	2933	9.90	3.96	0.40	3040	9.09	3.64	0.40	3226	7.50	3.00	0.40	3346
	26	18	11.04	8.84	0.80	2334	10.93	8.75	0.80	2355	10.82	8.65	0.80	2377	10.68	8.54	0.80	2396	10.57	8.46	0.80	2408	10.46	8.36	0.80	2488	10.31	8.25	0.80	2598	10.13	8.10	0.80	2773	9.89	7.91	0.80	2901	9.60	7.68	0.80	3010	8.82	7.05	0.80	3197	7.27	5.82	0.80	3319
	26	20	11.38	7.74	0.68	2359	11.27	7.66	0.68	2380	11.15	7.58	0.68	2401	11.00	7.48	0.68	2421	10.89	7.41	0.68	2433	10.78	7.33	0.68	2513	10.63	7.23	0.68	2622	10.44	7.10	0.68	2798	10.19	6.93	0.68	2926	9.90	6.73	0.68	3034	9.09	6.18	0.68	3222	7.50	5.10	0.68	3343
	26	22	11.58	6.48	0.56	2376	11.46	6.42	0.56	2397	11.34	6.35	0.56	2418	11.19	6.27	0.56	2438	11.08	6.20	0.56	2450	10.96	6.14	0.56	2530	10.81	6.05	0.56	2639	10.62	5.95	0.56	2814	10.37	5.81	0.56	2942	10.07	5.64	0.56	3051	9.24	5.17	0.56	3238	7.62	4.27	0.56	3360
	26	24	11.74	5.16	0.44	2395	11.62	5.11	0.44	2417	11.50	5.06	0.44	2438	11.35	4.99	0.44	2457	11.24	4.94	0.44	2469	11.11	4.89	0.44	2549	10.96	4.82	0.44	2659	10.77	4.74	0.44	2834	10.51	4.63	0.44	2962	10.21	4.49	0.44	3071	9.37	4.12	0.44	3258	7.73	3.40	0.44	3380
	26	26	11.93	3.82	0.32	2418	11.81	3.78	0.32	2439	11.68	3.74	0.32	2461	11.53	3.69	0.32	2480	11.41	3.65	0.32	2492	11.29	3.61	0.32	2572	11.13	3.56	0.32	2682	10.94	3.50	0.32	2857	10.68	3.42	0.32	2985	10.37	3.32	0.32	3094	9.52	3.05	0.32	3281	7.85	2.51	0.32	3403
	27	18	11.27	9.47	0.84	2358	11.16	9.37	0.84	2379	11.04	9.27	0.84	2401	10.89	9.15	0.84	2420	10.79	9.06	0.84	2432	10.67	8.96	0.84	2513	10.52	8.84	0.84	2624	10.34	8.68	0.84	2801	10.09	8.48	0.84	2930	9.80	8.23	0.84	3040	9.00	7.56	0.84	3229	7.42	6.23	0.84	3352
	27	19	11.50	8.97	0.78	2368	11.39	8.88	0.78	2389	11.26	8.78	0.78	2411	11.12	8.67	0.78	2430	11.01	8.59	0.78	2442	10.89	8.49	0.78	2523	10.74	8.37	0.78	2634	10.55	8.23	0.78	2811	10.30	8.03	0.78	2940	10.00	7.80	0.78	3050	9.18	7.16	0.78	3239	7.57	5.91	0.78	3362
	27	20	11.61	8.36	0.72	2383	11.50	8.28	0.72	2404	11.37	8.19	0.72	2426	11.23	8.08	0.72	2445	11.12	8.00	0.72	2457	11.00	7.92	0.72	2538	10.84	7.81	0.72	2649	10.65	7.67	0.72	2826	10.40	7.49	0.72	2955	10.10	7.27	0.72	3065	9.27	6.68	0.72	3254	7.65	5.51	0.72	3377
	27	22	11.81	7.09	0.60	2400	11.69	7.02	0.60	2421	11.57	6.94	0.60	2443	11.42	6.85	0.60	2462	11.31	6.78	0.60	2474	11.18	6.71	0.60	2555	11.03	6.62	0.60	2666	10.83	6.50	0.60	2843	10.58	6.35	0.60	2972	10.27	6.16	0.60	3082	9.43	5.66	0.60	3271	7.78	4.67	0.60	3394
	27	24	11.98	5.75	0.48	2420	11.86	5.69	0.48	2441	11.73	5.63	0.48	2463	11.58	5.56	0.48	2482	11.46	5.50	0.48	2494	11.34	5.44	0.48	2575	11.18	5.37																						

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
90%	21	18	9.49	5.69	0.60	2197	9.39	5.64	0.60	2217	9.29	5.57	0.60	2238	9.17	5.50	0.60	2256	9.08	5.45	0.60	2267	8.98	5.39	0.60	2342	8.86	5.31	0.60	2445	8.70	5.22	0.60	2610	8.50	5.10	0.60	2731	8.25	4.95	0.60	2833	7.57	4.54	0.60	3010	6.25	3.75	0.60	3124
	21	20	9.88	4.74	0.48	2221	9.78	4.69	0.48	2241	9.67	4.64	0.48	2261	9.55	4.58	0.48	2279	9.46	4.54	0.48	2291	9.35	4.49	0.48	2366	9.22	4.43	0.48	2469	9.06	4.35	0.48	2634	8.85	4.25	0.48	2755	8.59	4.12	0.48	2857	7.89	3.79	0.48	3033	6.51	3.12	0.48	3148
	22	18	9.78	6.26	0.64	2219	9.68	6.20	0.64	2240	9.58	6.13	0.64	2260	9.46	6.05	0.64	2278	9.36	5.99	0.64	2290	9.26	5.93	0.64	2366	9.13	5.84	0.64	2470	8.97	5.74	0.64	2637	8.76	5.61	0.64	2759	8.50	5.44	0.64	2862	7.81	5.00	0.64	3040	6.44	4.12	0.64	3156
	22	20	10.08	5.24	0.52	2243	9.98	5.19	0.52	2263	9.87	5.13	0.52	2284	9.74	5.07	0.52	2302	9.65	5.02	0.52	2314	9.54	4.96	0.52	2390	9.41	4.89	0.52	2494	9.24	4.81	0.52	2661	9.03	4.69	0.52	2782	8.77	4.56	0.52	2886	8.05	4.18	0.52	3064	6.64	3.45	0.52	3180
	22	22	10.25	4.10	0.40	2259	10.15	4.06	0.40	2280	10.04	4.02	0.40	2300	9.91	3.96	0.40	2318	9.81	3.92	0.40	2330	9.71	3.88	0.40	2406	9.57	3.83	0.40	2510	9.40	3.76	0.40	2677	9.18	3.67	0.40	2799	8.91	3.57	0.40	2902	8.18	3.27	0.40	3080	6.75	2.70	0.40	3196
	23	18	9.98	6.79	0.68	2242	9.88	6.72	0.68	2262	9.77	6.65	0.68	2283	9.65	6.56	0.68	2301	9.55	6.50	0.68	2313	9.45	6.43	0.68	2390	9.32	6.34	0.68	2495	9.15	6.22	0.68	2663	8.94	6.08	0.68	2786	8.68	5.90	0.68	2891	7.97	5.42	0.68	3071	6.57	4.47	0.68	3188
	23	20	10.29	5.76	0.56	2266	10.18	5.70	0.56	2286	10.07	5.64	0.56	2307	9.94	5.57	0.56	2325	9.85	5.51	0.56	2337	9.74	5.45	0.56	2414	9.60	5.38	0.56	2519	9.43	5.28	0.56	2687	9.21	5.16	0.56	2811	8.94	5.01	0.56	2915	8.21	4.60	0.56	3095	6.77	3.79	0.56	3212
	23	22	10.46	4.60	0.44	2282	10.36	4.56	0.44	2303	10.24	4.51	0.44	2323	10.11	4.45	0.44	2342	10.01	4.41	0.44	2353	9.90	4.36	0.44	2430	9.77	4.30	0.44	2535	9.59	4.22	0.44	2704	9.37	4.12	0.44	2827	9.10	4.00	0.44	2931	8.35	3.67	0.44	3111	6.89	3.03	0.44	3228
	24	18	10.18	7.33	0.72	2265	10.08	7.26	0.72	2285	9.97	7.18	0.72	2306	9.85	7.09	0.72	2325	9.75	7.02	0.72	2336	9.64	6.94	0.72	2414	9.51	6.85	0.72	2520	9.34	6.72	0.72	2690	9.12	6.57	0.72	2815	8.86	6.38	0.72	2920	8.13	5.85	0.72	3102	6.71	4.83	0.72	3220
	24	20	10.50	6.30	0.60	2289	10.39	6.23	0.60	2309	10.28	6.17	0.60	2330	10.15	6.09	0.60	2349	10.05	6.03	0.60	2361	9.94	5.96	0.60	2438	9.80	5.88	0.60	2545	9.63	5.78	0.60	2715	9.40	5.64	0.60	2839	9.13	5.48	0.60	2944	8.38	5.03	0.60	3126	6.91	4.15	0.60	3244
	24	22	10.67	5.12	0.48	2305	10.57	5.07	0.48	2326	10.45	5.02	0.48	2347	10.32	4.95	0.48	2365	10.22	4.90	0.48	2377	10.11	4.85	0.48	2455	9.97	4.78	0.48	2561	9.79	4.70	0.48	2731	9.56	4.59	0.48	2855	9.28	4.46	0.48	2961	8.52	4.09	0.48	3143	7.03	3.37	0.48	3261
	24	24	10.82	3.90	0.36	2325	10.72	3.86	0.36	2345	10.60	3.82	0.36	2366	10.46	3.77	0.36	2385	10.36	3.73	0.36	2397	10.25	3.69	0.36	2474	10.11	3.64	0.36	2580	9.93	3.57	0.36	2751	9.69	3.49	0.36	2875	9.41	3.39	0.36	2980	8.64	3.11	0.36	3162	7.13	2.57	0.36	3280
	25	18	10.50	7.98	0.76	2287	10.39	7.90	0.76	2308	10.28	7.81	0.76	2329	10.15	7.71	0.76	2348	10.05	7.64	0.76	2360	9.94	7.55	0.76	2438	9.80	7.45	0.76	2546	9.63	7.32	0.76	2718	9.40	7.15	0.76	2843	9.13	6.94	0.76	2950	8.38	6.37	0.76	3133	6.91	5.25	0.76	3253
	25	20	10.82	6.92	0.64	2312	10.71	6.86	0.64	2333	10.60	6.78	0.64	2354	10.46	6.69	0.64	2373	10.36	6.63	0.64	2385	10.24	6.56	0.64	2463	10.10	6.47	0.64	2570	9.92	6.35	0.64	2742	9.69	6.20	0.64	2868	9.41	6.02	0.64	2974	8.64	5.53	0.64	3158	7.13	4.56	0.64	3277
	25	22	11.00	5.72	0.52	2329	10.89	5.67	0.52	2349	10.78	5.60	0.52	2370	10.64	5.53	0.52	2389	10.53	5.48	0.52	2401	10.42	5.42	0.52	2480	10.27	5.34	0.52	2587	10.09	5.25	0.52	2759	9.86	5.13	0.52	2884	9.57	4.98	0.52	2991	8.78	4.57	0.52	3174	7.25	3.77	0.52	3294
	25	24	11.16	4.46	0.40	2348	11.05	4.42	0.40	2369	10.93	4.37	0.40	2390	10.79	4.31	0.40	2409	10.68	4.27	0.40	2421	10.56	4.23	0.40	2499	10.42	4.17	0.40	2606	10.23	4.09	0.40	2778	9.99	4.00	0.40	2904	9.70	3.88	0.40	3010	8.91	3.56	0.40	3194	7.35	2.94	0.40	3313
	26	18	10.82	8.66	0.80	2311	10.72	8.57	0.80	2332	10.60	8.48	0.80	2353	10.46	8.37	0.80	2372	10.36	8.29	0.80	2384	10.25	8.20	0.80	2463	10.11	8.08	0.80	2571	9.93	7.94	0.80	2745	9.69	7.76	0.80	2872	9.41	7.53	0.80	2979	8.64	6.91	0.80	3165	7.13	5.70	0.80	3285
	26	20	11.15	7.59	0.68	2335	11.04	7.51	0.68	2356	10.92	7.43	0.68	2378	10.78	7.33	0.68	2397	10.68	7.26	0.68	2409	10.56	7.18	0.68	2488	10.41	7.08	0.68	2596	10.23	6.96	0.68	2770	9.99	6.79	0.68	2897	9.70	6.60	0.68	3004	8.90	6.06	0.68	3189	7.35	5.00	0.68	3310
	26	22	11.34	6.35	0.56	2352	11.23	6.29	0.56	2373	11.11	6.22	0.56	2394	10.97	6.14	0.56	2413	10.86	6.08	0.56	2425	10.74	6.01	0.56	2505	10.59	5.93	0.56	2613	10.40	5.83	0.56	2787	10.16	5.69	0.56	2913	9.86	5.52	0.56	3021	9.06	5.07	0.56	3206	7.47	4.18	0.56	3327
	26	24	11.50	5.06	0.44	2372	11.39	5.01	0.44	2393	11.27	4.96	0.44	2414	11.12	4.89	0.44	2433	11.01	4.84	0.44	2445	10.89	4.79	0.44	2524	10.74	4.73	0.44	2633	10.55	4.64	0.44	2806	10.30	4.53	0.44	2933	10.00	4.40	0.44	3041	9.18	4.04	0.44	3226	7.58	3.33	0.44	3347
	26	26	11.69	3.74	0.32	2395	11.57	3.70	0.32	2416	11.45	3.66	0.32	2437	11.30	3.62	0.32	2456	11.19	3.58	0.32	2468	11.06	3.54	0.32	2547	10.91	3.49	0.32	2656	10.72	3.43	0.32	2829	10.47	3.35	0.32	2956	10.16	3.25	0.32	3064	9.33	2.99	0.32	3249	7.70	2.46	0.32	3370
	27	18	11.04	9.28	0.84	2334	10.93	9.19	0.84	2355	10.82	9.09	0.84	2377	10.68	8.97	0.84	2396	10.57	8.88	0.84	2408	10.46	8.78	0.84	2488	10.31	8.66	0.84	2597	10.13	8.51	0.84	2773	9.89	8.31	0.84	2901	9.60	8.07	0.84	3010	8.82	7.41	0.84	3197	7.27	6.11	0.84	3319
	27	19	11.27	8.79	0.78	2344	11.16	8.70	0.78	2365	11.04	8.61	0.78	2387	10.89	8.50	0.78	2406	10.79	8.41	0.78	2418	10.67	8.32	0.78	2498	10.52	8.21	0.78	2607	10.34	8.06	0.78	2783	10.09	7.87	0.78	2911	9.80	7.64	0.78	3020	9.00	7.02	0.78	3207	7.42	5.79	0.78	3329
	27	20	11.38	8.20	0.72	2359	11.27	8.11	0.72	2380	11.15	8.03	0.72	2402	11.00	7.92	0.72	2421	10.89	7.84	0.72	2433	10.78	7.76	0.72	2513	10.63	7.65	0.72	2622	10.44	7.52	0.72	2798	10.19	7.34	0.72	2926	9.90	7.13	0.72	3035	9.09	6.54	0.72	3222	7.50	5.40	0.72	3344
	27	22	11.58	6.95	0.60	2376	11.46	6.88	0.60	2397	11.34	6.80	0.60	2419	11.19	6.71	0.60	2438	11.08	6.65	0.60	2450	10.96	6.58	0.60	2530	10.81	6.48	0.60	2639	10.62	6.37	0.60	2815	10.37	6.22	0.60	2943	10.07	6.04	0.60	3052	9.24	5.54	0.60	3239	7.62	4.57	0.60	3361
	27	24	11.74	5.63	0.48	2396	11.62	5.58	0.48	2417	11.50	5.52	0.48	2439	11.35	5.45	0.48	2458	11.24	5.39	0.48	2470	11.11	5.33	0.48	2550	10.96	5.26	0.48	2659	10.77																			

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW4-36U4RAA(AUS) CAPACITY: 10.0 kW SHF: 0.78 INPUT:3050 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
80%	21	18	9.20	5.52	0.60	2175	9.11	5.46	0.60	2195	9.01	5.40	0.60	2215	8.89	5.33	0.60	2233	8.80	5.28	0.60	2244	8.71	5.22	0.60	2319	8.59	5.15	0.60	2421	8.43	5.06	0.60	2584	8.24	4.94	0.60	2703	8.00	4.80	0.60	2805	7.34	4.40	0.60	2979	6.06	3.63	0.60	3093
	21	20	9.58	4.60	0.48	2199	9.48	4.55	0.48	2218	9.38	4.50	0.48	2238	9.26	4.44	0.48	2256	9.17	4.40	0.48	2268	9.07	4.35	0.48	2342	8.94	4.29	0.48	2444	8.78	4.22	0.48	2608	8.58	4.12	0.48	2727	8.33	4.00	0.48	2828	7.64	3.67	0.48	3003	6.31	3.03	0.48	3116
	22	18	9.48	6.07	0.64	2197	9.39	6.01	0.64	2217	9.28	5.94	0.64	2237	9.17	5.87	0.64	2255	9.07	5.81	0.64	2267	8.98	5.74	0.64	2342	8.85	5.67	0.64	2445	8.70	5.57	0.64	2610	8.49	5.43	0.64	2731	8.24	5.28	0.64	2833	7.57	4.84	0.64	3009	6.24	4.00	0.64	3124
	22	20	9.77	5.08	0.52	2221	9.67	5.03	0.52	2241	9.57	4.98	0.52	2261	9.45	4.91	0.52	2279	9.35	4.86	0.52	2291	9.25	4.81	0.52	2366	9.12	4.74	0.52	2469	8.96	4.66	0.52	2634	8.75	4.55	0.52	2754	8.50	4.42	0.52	2857	7.80	4.06	0.52	3033	6.44	3.35	0.52	3148
	22	22	9.94	3.97	0.40	2237	9.84	3.94	0.40	2257	9.73	3.89	0.40	2277	9.61	3.84	0.40	2295	9.51	3.80	0.40	2307	9.41	3.76	0.40	2382	9.28	3.71	0.40	2485	9.11	3.65	0.40	2650	8.90	3.56	0.40	2771	8.64	3.46	0.40	2873	7.93	3.17	0.40	3049	6.54	2.62	0.40	3164
	23	18	9.67	6.58	0.68	2219	9.58	6.51	0.68	2239	9.47	6.44	0.68	2260	9.35	6.36	0.68	2278	9.26	6.30	0.68	2290	9.16	6.23	0.68	2366	9.03	6.14	0.68	2470	8.87	6.03	0.68	2636	8.67	5.89	0.68	2758	8.41	5.72	0.68	2862	7.72	5.25	0.68	3040	6.37	4.33	0.68	3156
	23	20	9.97	5.58	0.56	2243	9.87	5.53	0.56	2263	9.76	5.47	0.56	2284	9.64	5.40	0.56	2302	9.54	5.34	0.56	2314	9.44	5.29	0.56	2390	9.31	5.21	0.56	2494	9.14	5.12	0.56	2660	8.93	5.00	0.56	2782	8.67	4.86	0.56	2886	7.96	4.46	0.56	3064	6.57	3.68	0.56	3180
	23	22	10.14	4.46	0.44	2260	10.04	4.42	0.44	2280	9.93	4.37	0.44	2300	9.80	4.31	0.44	2318	9.71	4.27	0.44	2330	9.60	4.22	0.44	2406	9.47	4.17	0.44	2510	9.30	4.09	0.44	2677	9.08	4.00	0.44	2799	8.82	3.88	0.44	2902	8.09	3.56	0.44	3080	6.68	2.94	0.44	3196
	24	18	9.87	7.11	0.72	2242	9.77	7.04	0.72	2262	9.67	6.96	0.72	2283	9.54	6.87	0.72	2301	9.45	6.80	0.72	2313	9.35	6.73	0.72	2390	9.22	6.64	0.72	2495	9.05	6.52	0.72	2663	8.84	6.37	0.72	2786	8.58	6.18	0.72	2891	7.88	5.67	0.72	3070	6.50	4.68	0.72	3187
	24	20	10.17	6.10	0.60	2266	10.07	6.04	0.60	2286	9.96	5.98	0.60	2307	9.84	5.90	0.60	2325	9.74	5.84	0.60	2337	9.63	5.78	0.60	2414	9.50	5.70	0.60	2519	9.33	5.60	0.60	2687	9.11	5.47	0.60	2810	8.85	5.31	0.60	2915	8.12	4.87	0.60	3095	6.70	4.02	0.60	3212
	24	22	10.35	4.97	0.48	2282	10.24	4.92	0.48	2303	10.13	4.86	0.48	2323	10.00	4.80	0.48	2342	9.90	4.75	0.48	2354	9.80	4.70	0.48	2430	9.66	4.64	0.48	2535	9.49	4.56	0.48	2704	9.27	4.45	0.48	2827	9.00	4.32	0.48	2931	8.26	3.96	0.48	3111	6.81	3.27	0.48	3228
	24	24	10.49	3.78	0.36	2302	10.39	3.74	0.36	2322	10.27	3.70	0.36	2343	10.14	3.65	0.36	2361	10.04	3.62	0.36	2373	9.93	3.58	0.36	2450	9.80	3.53	0.36	2555	9.62	3.46	0.36	2723	9.40	3.38	0.36	2846	9.12	3.28	0.36	2951	8.38	3.02	0.36	3130	6.91	2.49	0.36	3248
	25	18	10.18	7.73	0.76	2264	10.08	7.66	0.76	2285	9.97	7.57	0.76	2306	9.84	7.48	0.76	2324	9.74	7.40	0.76	2336	9.64	7.32	0.76	2414	9.50	7.22	0.76	2520	9.33	7.09	0.76	2690	9.12	6.93	0.76	2814	8.85	6.73	0.76	2920	8.12	6.17	0.76	3101	6.70	5.09	0.76	3220
	25	20	10.49	6.71	0.64	2289	10.38	6.65	0.64	2309	10.27	6.57	0.64	2330	10.14	6.49	0.64	2349	10.04	6.43	0.64	2361	9.93	6.36	0.64	2438	9.79	6.27	0.64	2544	9.62	6.16	0.64	2714	9.39	6.01	0.64	2839	9.12	5.84	0.64	2944	8.37	5.36	0.64	3126	6.91	4.42	0.64	3244
	25	22	10.67	5.55	0.52	2305	10.56	5.49	0.52	2326	10.45	5.43	0.52	2347	10.31	5.36	0.52	2366	10.21	5.31	0.52	2377	10.10	5.25	0.52	2455	9.96	5.18	0.52	2561	9.78	5.09	0.52	2731	9.55	4.97	0.52	2855	9.28	4.82	0.52	2961	8.52	4.43	0.52	3143	7.03	3.65	0.52	3261
	25	24	10.82	4.33	0.40	2325	10.71	4.28	0.40	2346	10.59	4.24	0.40	2366	10.46	4.18	0.40	2385	10.35	4.14	0.40	2397	10.24	4.10	0.40	2474	10.10	4.04	0.40	2581	9.92	3.97	0.40	2751	9.69	3.88	0.40	2875	9.41	3.76	0.40	2980	8.63	3.45	0.40	3162	7.12	2.85	0.40	3280
	26	18	10.49	8.39	0.80	2287	10.39	8.31	0.80	2308	10.27	8.22	0.80	2329	10.14	8.11	0.80	2348	10.04	8.03	0.80	2360	9.93	7.95	0.80	2438	9.80	7.84	0.80	2545	9.62	7.70	0.80	2717	9.40	7.52	0.80	2843	9.12	7.30	0.80	2949	8.38	6.70	0.80	3133	6.91	5.53	0.80	3252
	26	20	10.81	7.35	0.68	2312	10.71	7.28	0.68	2333	10.59	7.20	0.68	2354	10.45	7.11	0.68	2373	10.35	7.04	0.68	2384	10.24	6.96	0.68	2463	10.10	6.87	0.68	2570	9.92	6.74	0.68	2742	9.69	6.59	0.68	2867	9.40	6.39	0.68	2974	8.63	5.87	0.68	3157	7.12	4.84	0.68	3277
	26	22	11.00	6.16	0.56	2329	10.89	6.10	0.56	2350	10.77	6.03	0.56	2371	10.63	5.95	0.56	2389	10.53	5.89	0.56	2401	10.41	5.83	0.56	2480	10.27	5.75	0.56	2587	10.09	5.65	0.56	2759	9.85	5.52	0.56	2884	9.56	5.36	0.56	2991	8.78	4.92	0.56	3174	7.24	4.06	0.56	3294
	26	24	11.15	4.91	0.44	2348	11.04	4.86	0.44	2369	10.92	4.80	0.44	2390	10.78	4.74	0.44	2409	10.67	4.70	0.44	2421	10.56	4.65	0.44	2499	10.41	4.58	0.44	2607	10.23	4.50	0.44	2779	9.99	4.39	0.44	2904	9.70	4.27	0.44	3011	8.90	3.92	0.44	3194	7.34	3.23	0.44	3313
	26	26	11.33	3.63	0.32	2371	11.22	3.59	0.32	2392	11.10	3.55	0.32	2413	10.95	3.50	0.32	2432	10.84	3.47	0.32	2444	10.73	3.43	0.32	2522	10.58	3.38	0.32	2630	10.39	3.33	0.32	2801	10.15	3.25	0.32	2927	9.85	3.15	0.32	3033	9.04	2.89	0.32	3217	7.46	2.39	0.32	3336
	27	18	10.71	8.99	0.84	2310	10.60	8.90	0.84	2331	10.48	8.81	0.84	2353	10.35	8.69	0.84	2372	10.25	8.61	0.84	2384	10.14	8.51	0.84	2463	10.00	8.40	0.84	2571	9.82	8.25	0.84	2745	9.59	8.06	0.84	2871	9.31	7.82	0.84	2979	8.55	7.18	0.84	3164	7.05	5.92	0.84	3285
	27	19	10.92	8.52	0.78	2320	10.82	8.44	0.78	2341	10.70	8.34	0.78	2363	10.56	8.24	0.78	2382	10.46	8.16	0.78	2394	10.34	8.07	0.78	2473	10.20	7.96	0.78	2581	10.02	7.82	0.78	2755	9.79	7.63	0.78	2881	9.50	7.41	0.78	2989	8.72	6.80	0.78	3174	7.19	5.61	0.78	3295
	27	20	11.03	7.94	0.72	2335	10.92	7.87	0.72	2356	10.81	7.78	0.72	2378	10.67	7.68	0.72	2397	10.56	7.60	0.72	2409	10.45	7.52	0.72	2488	10.30	7.42	0.72	2596	10.12	7.29	0.72	2770	9.88	7.12	0.72	2896	9.60	6.91	0.72	3004	8.81	6.34	0.72	3189	7.27	5.23	0.72	3310
	27	22	11.22	6.73	0.60	2352	11.11	6.67	0.60	2373	10.99	6.59	0.60	2395	10.85	6.51	0.60	2414	10.74	6.44	0.60	2426	10.62	6.37	0.60	2505	10.48	6.29	0.60	2613	10.29	6.18	0.60	2787	10.05	6.03	0.60	2913	9.76	5.85	0.60	3021	8.96	5.37	0.60	3206	7.39	4.43	0.60	3327
	27	24	11.38	5.46	0.48	2372	11.27	5.41	0.48	2393	11.14	5.35	0.48	2415	11.00	5.28	0.48	2434	10.89	5.23	0.48	2446	10.77	5.17	0.48	2525	10.62	5.10	0.48	2633	10.44	5.01	0.48	2807	10.19															

4. CAPACITIES AND SELECTION DATA

36K

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	7.95	2761	9.35	2846	10.39	2875	11.42	2933	12.42	3088	13.41	3242	14.08	3340	14.50	3406
	16	7.86	2783	9.24	2869	10.27	2898	11.29	2957	12.27	3113	13.25	3268	13.91	3366	14.33	3434
	17	7.76	2805	9.13	2892	10.15	2921	11.15	2981	12.12	3138	13.09	3295	13.75	3394	14.16	3461
	18	7.67	2828	9.03	2915	10.03	2945	11.02	3005	11.98	3163	12.94	3321	13.58	3421	13.99	3489
	19	7.58	2851	8.92	2939	9.91	2969	10.89	3029	11.84	3189	12.78	3348	13.42	3449	13.83	3518
	20	7.51	2874	8.83	2963	9.81	2993	10.78	3054	11.72	3214	12.66	3375	13.29	3476	13.69	3546
	21	7.42	2905	8.72	2995	9.69	3026	10.65	3087	11.58	3250	12.51	3412	13.13	3515	13.52	3585
	22	7.33	2937	8.62	3028	9.58	3059	10.52	3121	11.44	3286	12.36	3450	12.97	3553	13.36	3624
	23	7.24	2970	8.52	3062	9.46	3092	10.40	3156	11.30	3322	12.21	3488	12.82	3592	13.20	3664
	24	7.15	3002	8.41	3095	9.35	3126	10.27	3190	11.17	3358	12.06	3526	12.66	3632	13.04	3705
	25	7.07	3035	8.31	3129	9.24	3161	10.15	3225	11.03	3395	11.92	3565	12.51	3672	12.89	3745
	26	6.98	3069	8.21	3164	9.13	3196	10.03	3261	10.90	3432	11.77	3604	12.36	3712	12.73	3786
	27	6.90	3103	8.11	3198	9.02	3231	9.91	3297	10.77	3470	11.63	3644	12.21	3753	12.58	3828
	28	6.81	3137	8.02	3234	8.91	3266	9.79	3333	10.64	3508	11.49	3684	12.07	3794	12.43	3870
29	6.73	3171	7.92	3269	8.80	3302	9.67	3370	10.51	3547	11.35	3724	11.92	3836	12.28	3913	
30	6.65	3206	7.83	3305	8.70	3339	9.56	3407	10.39	3586	11.22	3765	11.78	3878	12.13	3956	
120%	15	7.72	2629	9.08	2711	10.09	2738	11.09	2794	12.05	2941	13.02	3088	13.67	3181	14.08	3244
	16	7.63	2650	8.97	2732	9.97	2760	10.96	2816	11.91	2965	12.86	3113	13.51	3206	13.91	3270
	17	7.54	2672	8.87	2754	9.85	2782	10.83	2839	11.77	2988	12.71	3138	13.35	3232	13.75	3297
	18	7.45	2693	8.76	2777	9.74	2805	10.70	2862	11.63	3013	12.56	3163	13.19	3258	13.58	3323
	19	7.36	2715	8.66	2799	9.62	2827	10.57	2885	11.49	3037	12.41	3189	13.03	3284	13.42	3350
	20	7.29	2737	8.57	2822	9.53	2850	10.47	2908	11.38	3061	12.29	3214	12.90	3311	13.29	3377
	21	7.20	2767	8.47	2853	9.41	2881	10.34	2940	11.24	3095	12.14	3250	12.75	3347	13.13	3414
	22	7.11	2797	8.37	2884	9.30	2913	10.22	2973	11.11	3129	12.00	3286	12.60	3384	12.97	3452
	23	7.03	2828	8.27	2916	9.19	2945	10.10	3005	10.97	3163	11.85	3322	12.44	3421	12.82	3490
	24	6.94	2859	8.17	2948	9.08	2978	9.97	3038	10.84	3198	11.71	3358	12.29	3459	12.66	3528
	25	6.86	2891	8.07	2980	8.97	3010	9.85	3072	10.71	3233	11.57	3395	12.15	3497	12.51	3567
	26	6.78	2923	7.97	3013	8.86	3043	9.74	3106	10.58	3269	11.43	3432	12.00	3535	12.36	3606
	27	6.70	2955	7.88	3046	8.75	3077	9.62	3140	10.46	3305	11.29	3470	11.86	3574	12.21	3646
	28	6.62	2987	7.78	3080	8.65	3111	9.50	3174	10.33	3341	11.16	3508	11.71	3614	12.07	3686
29	6.54	3020	7.69	3114	8.55	3145	9.39	3209	10.21	3378	11.02	3547	11.57	3653	11.92	3726	
30	6.46	3053	7.60	3148	8.44	3180	9.28	3244	10.08	3415	10.89	3586	11.44	3694	11.78	3767	
110%	15	7.49	2578	8.82	2657	9.80	2684	10.77	2739	11.70	2883	12.64	3027	13.27	3118	13.67	3181
	16	7.41	2598	8.71	2679	9.68	2706	10.64	2761	11.56	2906	12.49	3052	13.11	3143	13.51	3206
	17	7.32	2619	8.61	2700	9.57	2728	10.51	2783	11.43	2930	12.34	3076	12.96	3169	13.35	3232
	18	7.23	2641	8.51	2722	9.45	2750	10.39	2806	11.29	2953	12.19	3101	12.80	3194	13.19	3258
	19	7.15	2662	8.41	2744	9.34	2772	10.26	2828	11.16	2977	12.05	3126	12.65	3220	13.03	3284
	20	7.07	2683	8.32	2766	9.25	2794	10.16	2851	11.05	3001	11.93	3151	12.53	3246	12.90	3311
	21	6.99	2713	8.22	2797	9.14	2825	10.04	2883	10.91	3034	11.79	3186	12.38	3282	12.75	3347
	22	6.91	2743	8.12	2827	9.03	2856	9.92	2914	10.78	3068	11.65	3221	12.23	3318	12.60	3384
	23	6.82	2773	8.03	2859	8.92	2887	9.80	2946	10.65	3101	11.51	3257	12.08	3354	12.44	3421
	24	6.74	2803	7.93	2890	8.81	2919	9.68	2979	10.53	3136	11.37	3292	11.94	3391	12.29	3459
	25	6.66	2834	7.84	2922	8.71	2951	9.57	3012	10.40	3170	11.23	3329	11.79	3428	12.15	3497
	26	6.58	2865	7.74	2954	8.60	2984	9.45	3045	10.27	3205	11.10	3365	11.65	3466	12.00	3535
	27	6.50	2897	7.65	2986	8.50	3017	9.34	3078	10.15	3240	10.96	3402	11.51	3504	11.86	3574
	28	6.42	2929	7.56	3019	8.40	3050	9.23	3112	10.03	3276	10.83	3440	11.37	3543	11.71	3614
29	6.35	2961	7.47	3053	8.30	3083	9.12	3146	9.91	3312	10.70	3477	11.24	3582	11.57	3653	
30	6.27	2993	7.38	3086	8.20	3117	9.01	3181	9.79	3348	10.57	3516	11.10	3621	11.44	3694	

4. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	7.28	2503	8.56	2580	9.51	2606	10.45	2659	11.36	2799	12.27	2939	12.88	3027	13.27	3088
	16	7.19	2523	8.46	2601	9.40	2627	10.33	2681	11.23	2822	12.13	2963	12.73	3052	13.11	3113
	17	7.11	2543	8.36	2622	9.29	2648	10.21	2702	11.09	2845	11.98	2987	12.58	3076	12.96	3138
	18	7.02	2564	8.26	2643	9.18	2670	10.09	2724	10.96	2867	11.84	3011	12.43	3101	12.80	3163
	19	6.94	2584	8.16	2664	9.07	2691	9.97	2746	10.83	2891	11.70	3035	12.28	3126	12.65	3189
	20	6.87	2605	8.08	2686	8.98	2713	9.87	2768	10.73	2914	11.58	3060	12.16	3151	12.53	3214
	21	6.79	2634	7.98	2715	8.87	2743	9.75	2799	10.60	2946	11.44	3093	12.02	3186	12.38	3250
	22	6.71	2663	7.89	2745	8.76	2773	9.63	2829	10.47	2978	11.31	3127	11.87	3221	12.23	3286
	23	6.62	2692	7.79	2775	8.66	2803	9.52	2881	10.34	3011	11.17	3162	11.73	3257	12.08	3322
	24	6.55	2722	7.70	2806	8.56	2834	9.40	2892	10.22	3044	11.04	3196	11.59	3292	11.94	3358
	25	6.47	2752	7.61	2837	8.45	2865	9.29	2924	10.10	3078	10.90	3232	11.45	3329	11.79	3395
	26	6.39	2782	7.52	2868	8.35	2897	9.18	2956	9.98	3112	10.77	3267	11.31	3365	11.65	3432
	27	6.31	2812	7.43	2899	8.25	2929	9.07	2989	9.86	3146	10.64	3303	11.18	3402	11.51	3470
	28	6.24	2843	7.34	2931	8.15	2961	8.96	3021	9.74	3180	10.52	3339	11.04	3440	11.37	3508
29	6.16	2875	7.25	2964	8.05	2994	8.85	3055	9.62	3215	10.39	3376	10.91	3477	11.24	3547	
30	6.09	2906	7.16	2996	7.96	3026	8.74	3088	9.51	3251	10.27	3413	10.78	3516	11.10	3586	
90%	15	7.02	2458	8.26	2534	9.18	2559	10.09	2611	10.96	2749	11.84	2886	12.43	2973	12.81	3032
	16	6.94	2477	8.16	2554	9.07	2580	9.97	2632	10.83	2771	11.70	2910	12.29	2997	12.65	3057
	17	6.86	2497	8.07	2575	8.96	2601	9.85	2654	10.71	2793	11.56	2933	12.14	3021	12.50	3081
	18	6.78	2517	7.97	2595	8.86	2622	9.73	2675	10.58	2816	11.42	2957	12.00	3045	12.36	3106
	19	6.69	2538	7.88	2616	8.75	2643	9.62	2697	10.45	2839	11.29	2980	11.85	3070	12.21	3131
	20	6.63	2558	7.80	2637	8.66	2664	9.52	2718	10.35	2861	11.18	3005	11.74	3095	12.09	3157
	21	6.55	2586	7.70	2666	8.56	2693	9.41	2748	10.23	2893	11.04	3038	11.60	3129	11.94	3191
	22	6.47	2615	7.61	2696	8.46	2723	9.29	2779	10.10	2925	10.91	3071	11.46	3163	11.80	3226
	23	6.39	2644	7.52	2725	8.36	2753	9.18	2809	9.98	2957	10.78	3105	11.32	3198	11.66	3262
	24	6.32	2673	7.43	2755	8.26	2783	9.07	2840	9.86	2989	10.65	3139	11.18	3233	11.52	3298
	25	6.24	2702	7.34	2786	8.16	2814	8.96	2871	9.74	3022	10.52	3173	11.05	3269	11.38	3334
	26	6.17	2732	7.25	2816	8.06	2845	8.86	2903	9.63	3056	10.40	3208	10.92	3305	11.24	3371
	27	6.09	2762	7.17	2847	7.96	2876	8.75	2935	9.51	3089	10.27	3244	10.79	3341	11.11	3408
	28	6.02	2792	7.08	2879	7.87	2908	8.65	2967	9.40	3123	10.15	3279	10.66	3378	10.98	3445
29	5.95	2823	7.00	2910	7.77	2940	8.54	3000	9.28	3158	10.03	3315	10.53	3415	10.84	3483	
30	5.87	2854	6.91	2942	7.68	2972	8.44	3033	9.17	3192	9.91	3352	10.40	3452	10.71	3521	
80%	15	6.81	2433	8.01	2508	8.90	2534	9.78	2585	10.64	2721	11.49	2857	12.06	2943	12.42	3002
	16	6.73	2453	7.92	2528	8.80	2554	9.67	2606	10.51	2743	11.35	2880	11.92	2967	12.27	3026
	17	6.65	2472	7.82	2549	8.69	2575	9.55	2627	10.38	2765	11.22	2904	11.78	2991	12.13	3051
	18	6.57	2492	7.73	2569	8.59	2595	9.44	2648	10.26	2788	11.08	2927	11.64	3015	11.99	3075
	19	6.49	2512	7.64	2590	8.49	2616	9.33	2670	10.14	2810	10.95	2951	11.50	3039	11.84	3100
	20	6.43	2533	7.56	2611	8.40	2637	9.24	2691	10.04	2833	10.84	2974	11.38	3064	11.73	3125
	21	6.35	2561	7.47	2640	8.30	2666	9.13	2721	9.92	2864	10.71	3007	11.25	3097	11.59	3159
	22	6.28	2589	7.38	2669	8.20	2696	9.02	2751	9.80	2895	10.58	3040	11.11	3131	11.45	3194
	23	6.20	2617	7.30	2698	8.11	2725	8.91	2781	9.68	2927	10.46	3074	10.98	3166	11.31	3229
	24	6.13	2646	7.21	2728	8.01	2755	8.80	2812	9.57	2960	10.33	3108	10.85	3201	11.17	3265
	25	6.05	2675	7.12	2758	7.91	2786	8.69	2842	9.45	2992	10.21	3142	10.72	3236	11.04	3301
	26	5.98	2704	7.04	2788	7.82	2816	8.59	2874	9.34	3025	10.08	3176	10.59	3272	10.91	3337
	27	5.91	2734	6.95	2819	7.72	2847	8.49	2905	9.23	3058	9.96	3211	10.46	3308	10.78	3374
	28	5.84	2764	6.87	2850	7.63	2879	8.39	2937	9.11	3092	9.84	3247	10.34	3344	10.65	3411
29	5.77	2795	6.79	2881	7.54	2910	8.29	2970	9.01	3126	9.73	3282	10.21	3381	10.52	3448	
30	5.70	2825	6.70	2913	7.45	2942	8.19	3002	8.90	3160	9.61	3318	10.09	3418	10.39	3486	

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

42K

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W																																																
COMBINATION (%)	IDDB (°C)	IDWB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	21	18	12.83	7.70	0.60	2748	12.70	7.62	0.60	2773	12.40	7.44	0.60	2820	12.28	7.37	0.60	2835	12.14	7.29	0.60	2929	11.98	7.19	0.60	3058	11.76	7.06	0.60	3264	11.49	6.89	0.60	3414	11.15	6.69	0.60	3542	10.24	6.14	0.60	3762	8.45	5.07	0.60	3906				
	21	20	13.36	6.41	0.48	2771	13.22	6.35	0.48	2796	13.08	6.28	0.48	2821	12.91	6.20	0.48	2844	12.78	6.14	0.48	2952	12.47	5.99	0.48	3081	12.25	5.88	0.48	3287	11.96	5.74	0.48	3438	11.61	5.57	0.48	3566	10.66	5.12	0.48	3786	8.80	4.22	0.48	3929				
	22	18	13.22	8.46	0.64	2775	13.09	8.38	0.64	2801	12.95	8.29	0.64	2826	12.78	8.18	0.64	2849	12.66	8.10	0.64	2958	12.35	7.90	0.64	3088	12.13	7.76	0.64	3297	11.84	7.58	0.64	3449	11.50	7.36	0.64	3578	10.56	6.76	0.64	3800	8.71	5.57	0.64	3945				
	22	20	13.63	7.09	0.52	2799	13.49	7.02	0.52	2824	13.35	6.94	0.52	2850	13.18	6.85	0.52	2873	13.04	6.78	0.52	2982	12.72	6.62	0.52	3112	12.50	6.50	0.52	3321	12.21	6.35	0.52	3473	11.85	6.16	0.52	3602	10.88	5.66	0.52	3824	8.98	4.67	0.52	3969				
	22	22	13.86	5.54	0.40	2815	13.72	5.49	0.40	2841	13.57	5.43	0.40	2866	13.40	5.36	0.40	2889	13.27	5.31	0.40	2998	12.94	5.18	0.40	3128	12.71	5.08	0.40	3337	12.41	4.97	0.40	3489	12.05	4.82	0.40	3618	11.06	4.43	0.40	3840	9.13	3.65	0.40	3985				
	23	18	13.49	9.18	0.68	2803	13.36	9.08	0.68	2829	13.21	8.99	0.68	2855	13.04	8.87	0.68	2878	12.92	8.78	0.68	2988	12.60	8.57	0.68	3120	12.38	8.42	0.68	3330	12.09	8.22	0.68	3484	11.73	7.98	0.68	3614	10.77	7.32	0.68	3839	8.89	6.04	0.68	3985				
	23	20	13.91	7.79	0.56	2827	13.77	7.71	0.56	2853	13.62	7.63	0.56	2879	13.44	7.53	0.56	2902	13.31	7.45	0.56	2916	13.17	7.37	0.56	3012	12.98	7.27	0.56	3144	12.75	7.14	0.56	3354	12.46	6.98	0.56	3508	12.09	6.77	0.56	3638	11.10	6.22	0.56	3863	9.16	5.13	0.56	4009
	23	22	14.14	6.22	0.44	2844	14.00	6.16	0.44	2869	13.85	6.09	0.44	2895	13.67	6.02	0.44	2918	13.54	5.96	0.44	2933	13.39	5.89	0.44	3029	13.21	5.81	0.44	3160	12.97	5.71	0.44	3370	12.67	5.57	0.44	3524	12.30	5.41	0.44	3655	11.29	4.97	0.44	3879	9.31	4.10	0.44	4025
	24	18	13.77	9.91	0.72	2832	13.63	9.82	0.72	2857	13.48	9.71	0.72	2884	13.31	9.58	0.72	2907	13.18	9.49	0.72	2921	13.04	9.39	0.72	3018	12.86	9.26	0.72	3151	12.63	9.09	0.72	3364	12.33	8.88	0.72	3519	11.97	8.62	0.72	3651	10.99	7.91	0.72	3878	9.07	6.53	0.72	4025
	24	20	14.19	8.51	0.60	2856	14.05	8.43	0.60	2882	13.90	8.34	0.60	2908	13.72	8.23	0.60	2931	13.58	8.15	0.60	2946	13.43	8.06	0.60	3043	13.25	7.95	0.60	3175	13.01	7.81	0.60	3388	12.71	7.63	0.60	3543	12.34	7.40	0.60	3675	11.33	6.80	0.60	3902	9.35	5.61	0.60	4050
	24	22	14.43	6.93	0.48	2872	14.29	6.86	0.48	2898	14.13	6.78	0.48	2924	13.95	6.70	0.48	2948	13.81	6.63	0.48	2962	13.66	6.56	0.48	3059	13.47	6.47	0.48	3192	13.24	6.35	0.48	3404	12.93	6.20	0.48	3560	12.55	6.02	0.48	3691	11.52	5.53	0.48	3918	9.50	4.56	0.48	4066
	24	24	14.63	5.27	0.36	2892	14.49	5.22	0.36	2918	14.33	5.16	0.36	2944	14.15	5.09	0.36	2967	14.01	5.04	0.36	2982	13.85	4.99	0.36	3079	13.66	4.92	0.36	3211	13.42	4.83	0.36	3424	13.11	4.72	0.36	3579	12.73	4.58	0.36	3711	11.68	4.21	0.36	3938	9.64	3.47	0.36	4086
	25	18	14.19	10.79	0.76	2860	14.05	10.68	0.76	2886	13.90	10.56	0.76	2913	13.72	10.43	0.76	2936	13.59	10.33	0.76	2951	13.44	10.21	0.76	3049	13.25	10.07	0.76	3183	13.02	9.89	0.76	3398	12.71	9.66	0.76	3554	12.34	9.38	0.76	3688	11.33	8.61	0.76	3917	9.35	7.10	0.76	4066
	25	20	14.63	9.36	0.64	2885	14.48	9.27	0.64	2911	14.33	9.17	0.64	2937	14.14	9.05	0.64	2961	14.00	8.96	0.64	2976	13.85	8.86	0.64	3073	13.66	8.74	0.64	3207	13.42	8.59	0.64	3422	13.10	8.39	0.64	3579	12.72	8.14	0.64	3712	11.68	7.47	0.64	3941	9.63	6.17	0.64	4091
	25	22	14.88	7.74	0.52	2901	14.73	7.66	0.52	2927	14.57	7.58	0.52	2954	14.38	7.48	0.52	2977	14.24	7.41	0.52	2992	14.09	7.32	0.52	3090	13.89	7.22	0.52	3224	13.65	7.10	0.52	3439	13.33	6.93	0.52	3596	12.94	6.73	0.52	3729	11.88	6.18	0.52	3958	9.80	5.10	0.52	4107
	25	24	15.09	6.03	0.40	2921	14.94	5.97	0.40	2947	14.77	5.91	0.40	2973	14.58	5.83	0.40	2997	14.44	5.78	0.40	3012	14.28	5.71	0.40	3110	14.09	5.63	0.40	3244	13.84	5.53	0.40	3458	13.51	5.40	0.40	3615	13.12	5.25	0.40	3748	12.04	4.82	0.40	3978	9.94	3.97	0.40	4127
	26	18	14.63	11.71	0.80	2889	14.49	11.59	0.80	2915	14.33	11.46	0.80	2942	14.15	11.32	0.80	2966	14.01	11.21	0.80	2981	13.85	11.08	0.80	3080	13.66	10.93	0.80	3215	13.42	10.74	0.80	3432	13.11	10.49	0.80	3590	12.73	10.18	0.80	3725	11.68	9.35	0.80	3956	9.64	7.71	0.80	4107
	26	20	15.08	10.26	0.68	2914	14.93	10.15	0.68	2940	14.77	10.04	0.68	2967	14.58	9.91	0.68	2991	14.44	9.82	0.68	3006	14.28	9.71	0.68	3104	14.08	9.58	0.68	3240	13.83	9.41	0.68	3457	13.51	9.19	0.68	3615	13.11	8.92	0.68	3750	12.04	8.19	0.68	3981	9.93	6.75	0.68	4132
	26	22	15.34	8.59	0.56	2931	15.19	8.50	0.56	2957	15.02	8.41	0.56	2984	14.83	8.30	0.56	3007	14.68	8.22	0.56	3022	14.52	8.13	0.56	3121	14.32	8.02	0.56	3257	14.07	7.88	0.56	3474	13.74	7.69	0.56	3632	13.34	7.47	0.56	3766	12.24	6.86	0.56	3998	10.10	5.66	0.56	4149
	26	24	15.55	6.84	0.44	2951	15.40	6.78	0.44	2977	15.23	6.70	0.44	3003	15.04	6.62	0.44	3027	14.89	6.55	0.44	3042	14.72	6.48	0.44	3141	14.52	6.39	0.44	3277	14.26	6.28	0.44	3493	13.93	6.13	0.44	3652	13.52	5.95	0.44	3786	12.42	5.46	0.44	4018	10.24	4.51	0.44	4168
	26	26	15.80	5.06	0.32	2973	15.64	5.01	0.32	3000	15.47	4.95	0.32	3026	15.28	4.89	0.32	3050	15.12	4.84	0.32	3065	14.96	4.79	0.32	3164	14.75	4.72	0.32	3299	14.49	4.64	0.32	3516	14.15	4.53	0.32	3675	13.74	4.40	0.32	3809	12.61	4.04	0.32	4041	10.41	3.33	0.32	4191
	27	18	14.93	12.54	0.84	2918	14.78	12.42	0.84	2945	14.62	12.28	0.84	2972	14.44	12.13	0.84	2996	14.29	12.01	0.84	3011	14.14	11.88	0.84	3111	13.94	11.71	0.84	3248	13.70	11.50	0.84	3467	13.37	11.23	0.84	3627	12.99	10.91	0.84	3762	11.92	10.01	0.84	3996	9.83	8.26	0.84	4149
	27	19	15.24	11.88	0.78	2928	15.09	11.77	0.78	2955	14.92	11.64	0.78	2982	14.73	11.49	0.78	3006	14.58	11.38	0.78	3021	14.43	11.25	0.78	3121	14.23	11.10	0.78	3258	13.98	10.90	0.78	3477	13.65	10.65	0.78	3637	13.25	10.34	0.78	3772	12.16	9.49	0.78	4006	10.03	7.83	0.78	4159
	27	20	15.39	11.08	0.72	2943	15.24	10.97	0.72	2970	15.07	10.85	0.72	2997	14.88	10.71	0.72	3021	14.73	10.61	0.72	3036	14.57	10.49	0.72	3136	14.37	10.35	0.72	3273	14.11	10.16	0.72	3492	13.78	9.92	0.72	3652	13.38	9.64	0.72	3787	12.29	8.85	0.72	4021	10.14	7.30	0.72	4174
	27	22	15.65	9.39	0.60	2960	15.50	9.30	0.60	2987	15.33	9.20	0.60	3014	15.13	9.08	0.60	3038	14.98	8.99	0.60	3053	14.82	8.89	0.60	3153	14.61	8.77	0.60	3290	14.35	8.61	0.60	3509	14.02	8.41	0.60	3669	13.61	8.17	0.60	3804	12.49	7.50	0.60	4038	10.31	6.18	0.60	4191
	27	24	15.87	7.62	0.48	2980	15.71	7.54	0.48	3007	15.54	7.46	0.48	3034	15.34	7.36	0.48	3058	15.19	7.29	0.48	3073	15.03	7.21	0.48	3173	14.82	7.11	0																					

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
21	18	18	12.71	7.62	0.60	2721	12.58	7.55	0.60	2746	12.44	7.47	0.60	2771	12.28	7.37	0.60	2793	12.16	7.30	0.60	2808	12.03	7.22	0.60	2901	11.86	7.12	0.60	3028	11.65	6.99	0.60	3232	11.38	6.83	0.60	3382	11.05	6.63	0.60	3508	10.14	6.09	0.60	3726	8.37	5.02	0.60	3868
21	20	20	13.23	6.35	0.48	2745	13.10	6.29	0.48	2770	12.96	6.22	0.48	2795	12.79	6.14	0.48	2817	12.66	6.08	0.48	2831	12.53	6.01	0.48	2924	12.35	5.93	0.48	3052	12.13	5.82	0.48	3256	11.85	5.69	0.48	3405	11.50	5.52	0.48	3532	10.56	5.07	0.48	3750	8.71	4.18	0.48	3892
22	18	18	13.10	8.38	0.64	2749	12.97	8.30	0.64	2774	12.83	8.21	0.64	2799	12.66	8.10	0.64	2822	12.54	8.02	0.64	2836	12.40	7.94	0.64	2930	12.23	7.83	0.64	3059	12.01	7.69	0.64	3265	11.73	7.51	0.64	3416	11.39	7.29	0.64	3544	10.46	6.69	0.64	3764	8.63	5.52	0.64	3907
22	20	20	13.50	7.02	0.52	2772	13.37	6.95	0.52	2797	13.22	6.87	0.52	2823	13.05	6.79	0.52	2845	12.92	6.72	0.52	2860	12.78	6.65	0.52	2954	12.60	6.55	0.52	3083	12.38	6.44	0.52	3289	12.09	6.29	0.52	3440	11.74	6.10	0.52	3567	10.78	5.60	0.52	3788	8.89	4.62	0.52	3931
22	22	22	13.73	5.49	0.40	2789	13.59	5.44	0.40	2814	13.45	5.38	0.40	2839	13.27	5.31	0.40	2862	13.14	5.26	0.40	2876	13.00	5.20	0.40	2970	12.82	5.13	0.40	3099	12.59	5.04	0.40	3305	12.30	4.92	0.40	3456	11.94	4.78	0.40	3584	10.96	4.38	0.40	3804	9.04	3.62	0.40	3947
23	18	18	13.37	9.09	0.68	2776	13.23	9.00	0.68	2802	13.09	8.90	0.68	2827	12.92	8.79	0.68	2850	12.79	8.70	0.68	2865	12.65	8.61	0.68	2960	12.48	8.49	0.68	3090	12.26	8.34	0.68	3298	11.97	8.14	0.68	3450	11.62	7.90	0.68	3580	10.67	7.26	0.68	3802	8.80	5.99	0.68	3947
23	20	20	13.78	7.71	0.56	2800	13.64	7.64	0.56	2826	13.49	7.55	0.56	2851	13.32	7.46	0.56	2874	13.19	7.38	0.56	2889	13.04	7.30	0.56	2984	12.86	7.20	0.56	3114	12.63	7.08	0.56	3322	12.34	6.91	0.56	3474	11.98	6.71	0.56	3604	11.00	6.16	0.56	3826	9.07	5.08	0.56	3971
23	22	22	14.01	6.16	0.44	2817	13.87	6.10	0.44	2842	13.72	6.04	0.44	2868	13.54	5.96	0.44	2890	13.41	5.90	0.44	2905	13.26	5.84	0.44	3000	13.08	5.76	0.44	3130	12.85	5.65	0.44	3338	12.55	5.52	0.44	3491	12.18	5.36	0.44	3620	11.18	4.92	0.44	3842	9.23	4.06	0.44	3987
24	18	18	13.64	9.82	0.72	2804	13.50	9.72	0.72	2830	13.36	9.62	0.72	2856	13.19	9.49	0.72	2879	13.05	9.40	0.72	2893	12.91	9.30	0.72	2989	12.73	9.17	0.72	3121	12.51	9.01	0.72	3331	12.22	8.80	0.72	3485	11.86	8.54	0.72	3616	10.89	7.84	0.72	3840	8.98	6.47	0.72	3987
24	20	20	14.06	8.43	0.60	2829	13.92	8.35	0.60	2854	13.77	8.26	0.60	2880	13.59	8.15	0.60	2903	13.45	8.07	0.60	2918	13.31	7.98	0.60	3014	13.12	7.87	0.60	3145	12.89	7.74	0.60	3356	12.59	7.55	0.60	3509	12.22	7.33	0.60	3640	11.22	6.73	0.60	3865	9.26	5.55	0.60	4011
24	22	22	14.30	6.86	0.48	2845	14.15	6.79	0.48	2871	14.00	6.72	0.48	2897	13.82	6.63	0.48	2920	13.68	6.57	0.48	2934	13.53	6.50	0.48	3030	13.35	6.41	0.48	3162	13.11	6.29	0.48	3372	12.80	6.15	0.48	3526	12.43	5.97	0.48	3656	11.41	5.48	0.48	3881	9.41	4.52	0.48	4028
24	24	24	14.50	5.22	0.36	2865	14.35	5.17	0.36	2890	14.20	5.11	0.36	2916	14.01	5.04	0.36	2939	13.87	4.99	0.36	2954	13.72	4.94	0.36	3050	13.53	4.87	0.36	3181	13.29	4.79	0.36	3392	12.98	4.67	0.36	3545	12.61	4.54	0.36	3676	11.57	4.17	0.36	3901	9.55	3.44	0.36	4047
25	18	18	14.06	10.69	0.76	2833	13.92	10.58	0.76	2859	13.77	10.47	0.76	2885	13.59	10.33	0.76	2908	13.46	10.23	0.76	2923	13.31	10.12	0.76	3020	13.13	9.98	0.76	3152	12.90	9.80	0.76	3365	12.59	9.57	0.76	3520	12.23	9.29	0.76	3652	11.22	8.53	0.76	3879	9.26	7.04	0.76	4027
25	20	20	14.49	9.27	0.64	2857	14.35	9.18	0.64	2883	14.19	9.08	0.64	2909	14.01	8.97	0.64	2933	13.87	8.88	0.64	2947	13.72	8.78	0.64	3044	13.53	8.66	0.64	3177	13.29	8.51	0.64	3390	12.98	8.31	0.64	3545	12.60	8.06	0.64	3677	11.57	7.40	0.64	3904	9.54	6.11	0.64	4052
25	22	22	14.74	7.66	0.52	2874	14.59	7.59	0.52	2900	14.43	7.50	0.52	2926	14.25	7.41	0.52	2949	14.11	7.34	0.52	2964	13.95	7.26	0.52	3061	13.76	7.16	0.52	3194	13.52	7.03	0.52	3406	13.20	6.86	0.52	3562	12.82	6.66	0.52	3693	11.76	6.12	0.52	3920	9.71	5.05	0.52	4068
25	24	24	14.94	5.98	0.40	2894	14.80	5.92	0.40	2919	14.63	5.85	0.40	2945	14.45	5.78	0.40	2969	14.30	5.72	0.40	2983	14.15	5.66	0.40	3080	13.95	5.58	0.40	3213	13.71	5.48	0.40	3426	13.38	5.35	0.40	3581	13.00	5.20	0.40	3713	11.93	4.77	0.40	3940	9.84	3.94	0.40	4088
26	18	18	14.50	11.60	0.80	2861	14.35	11.48	0.80	2887	14.20	11.36	0.80	2914	14.01	11.21	0.80	2937	13.87	11.10	0.80	2952	13.72	10.98	0.80	3050	13.53	10.83	0.80	3184	13.30	10.64	0.80	3399	12.98	10.39	0.80	3556	12.61	10.08	0.80	3689	11.57	9.26	0.80	3918	9.55	7.64	0.80	4068
26	20	20	14.94	10.16	0.68	2886	14.79	10.06	0.68	2912	14.63	9.95	0.68	2939	14.44	9.82	0.68	2962	14.30	9.72	0.68	2977	14.14	9.62	0.68	3075	13.95	9.49	0.68	3209	13.70	9.32	0.68	3424	13.38	9.10	0.68	3581	12.99	8.83	0.68	3714	11.93	8.11	0.68	3943	9.84	6.69	0.68	4092
26	22	22	15.19	8.51	0.56	2903	15.04	8.42	0.56	2929	14.88	8.33	0.56	2955	14.69	8.23	0.56	2979	14.54	8.14	0.56	2994	14.38	8.06	0.56	3092	14.19	7.94	0.56	3226	13.93	7.80	0.56	3441	13.61	7.62	0.56	3598	13.21	7.40	0.56	3731	12.13	6.79	0.56	3960	10.01	5.60	0.56	4109
26	24	24	15.41	6.78	0.44	2923	15.25	6.71	0.44	2949	15.09	6.64	0.44	2975	14.89	6.55	0.44	2999	14.75	6.49	0.44	3014	14.59	6.42	0.44	3111	14.38	6.33	0.44	3246	14.13	6.22	0.44	3460	13.80	6.07	0.44	3617	13.40	5.89	0.44	3750	12.30	5.41	0.44	3980	10.15	4.46	0.44	4129
26	26	26	15.65	5.01	0.32	2946	15.50	4.96	0.32	2972	15.33	4.91	0.32	2998	15.13	4.84	0.32	3022	14.98	4.79	0.32	3036	14.82	4.74	0.32	3134	14.61	4.68	0.32	3268	14.36	4.59	0.32	3483	14.02	4.49	0.32	3640	13.61	4.36	0.32	3773	12.50	4.00	0.32	4003	10.31	3.30	0.32	4152
27	18	18	14.79	12.42	0.84	2890	14.64	12.30	0.84	2917	14.49	12.17	0.84	2943	14.30	12.01	0.84	2967	14.16	11.89	0.84	2982	14.00	11.76	0.84	3081	13.81	11.60	0.84	3216	13.57	11.40	0.84	3433	13.25	11.13	0.84	3592	12.86	10.80	0.84	3726	11.81	9.92	0.84	3958	9.74	8.18	0.84	4109
27	19	19	15.09	11.77	0.78	2900	14.94	11.66	0.78	2927	14.78	11.53	0.78	2953	14.59	11.38	0.78	2977	14.45	11.27	0.78	2992	14.29	11.15	0.78	3091	14.09	10.99	0.78	3226	13.84	10.80	0.78	3443	13.52	10.54	0.78	3602	13.13	10.24	0.78	3736	12.05	9.40	0.78	3968	9.94	7.75	0.78	4119
27	20	20	15.24	10.98	0.72	2915	15.09	10.87	0.72	2942	14.93	10.75	0.72	2968	14.74	10.61	0.72	2992	14.59	10.51	0.72	3007	14.43	10.39	0.72	3106	14.23	10.25	0.72	3241	13.98	10.07	0.72	3458	13.65	9.83	0.72	3617	13.26	9.54	0.72	3751	12.17	8.76	0.72	3983	10.04	7.23	0.72	4134
27	22	22	15.50	9.30	0.60	2932	15.35	9.21	0.60	2959	15.18	9.11	0.60	2985	14.99	8.99	0.60	3009	14.84	8.90	0.60	3024	14.68	8.81	0.60	3123	14.48	8.69	0.60	3258	14.22	8.53	0.60	3475	13.89	8.33	0.60	3634	13.48	8.09	0.60	3768	12.38	7.43						

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
110%	21	18	12.46	7.48	0.60	2695	12.34	7.40	0.60	2719	12.21	7.32	0.60	2744	12.05	7.23	0.60	2766	11.93	7.16	0.60	2780	11.80	7.08	0.60	2873	11.64	6.98	0.60	2999	11.43	6.86	0.60	3201	11.16	6.70	0.60	3349	10.84	6.50	0.60	3474	9.95	5.97	0.60	3690	8.21	4.93	0.60	3831
	21	20	12.98	6.23	0.48	2718	12.85	6.17	0.48	2743	12.71	6.10	0.48	2768	12.55	6.02	0.48	2790	12.42	5.96	0.48	2804	12.29	5.90	0.48	2896	12.12	5.82	0.48	3022	11.90	5.71	0.48	3225	11.62	5.58	0.48	3372	11.29	5.42	0.48	3498	10.36	4.97	0.48	3714	8.55	4.10	0.48	3854
	22	18	12.85	8.22	0.64	2722	12.72	8.14	0.64	2747	12.58	8.05	0.64	2772	12.42	7.95	0.64	2794	12.30	7.87	0.64	2808	12.17	7.79	0.64	2902	12.00	7.68	0.64	3029	11.79	7.54	0.64	3233	11.51	7.37	0.64	3383	11.17	7.15	0.64	3509	10.26	6.56	0.64	3728	8.46	5.42	0.64	3870
	22	20	13.24	6.89	0.52	2746	13.11	6.82	0.52	2771	12.97	6.74	0.52	2796	12.80	6.66	0.52	2818	12.68	6.59	0.52	2832	12.54	6.52	0.52	2925	12.36	6.43	0.52	3053	12.15	6.32	0.52	3257	11.86	6.17	0.52	3406	11.52	5.99	0.52	3533	10.57	5.50	0.52	3751	8.72	4.54	0.52	3893
	22	22	13.47	5.39	0.40	2762	13.33	5.33	0.40	2787	13.19	5.28	0.40	2812	13.02	5.21	0.40	2834	12.89	5.16	0.40	2848	12.75	5.10	0.40	2941	12.57	5.03	0.40	3069	12.35	4.94	0.40	3273	12.06	4.83	0.40	3423	11.71	4.68	0.40	3549	10.75	4.30	0.40	3768	8.87	3.55	0.40	3910
	23	18	13.11	8.92	0.68	2750	12.98	8.83	0.68	2775	12.84	8.73	0.68	2800	12.68	8.62	0.68	2823	12.55	8.53	0.68	2837	12.41	8.44	0.68	2931	12.24	8.32	0.68	3060	12.03	8.18	0.68	3266	11.74	7.99	0.68	3417	11.40	7.75	0.68	3545	10.47	7.12	0.68	3765	8.64	5.87	0.68	3909
	23	20	13.51	7.57	0.56	2774	13.38	7.49	0.56	2799	13.23	7.41	0.56	2824	13.06	7.32	0.56	2847	12.93	7.24	0.56	2861	12.79	7.16	0.56	2955	12.62	7.07	0.56	3084	12.39	6.94	0.56	3290	12.10	6.78	0.56	3441	11.75	6.58	0.56	3569	10.79	6.04	0.56	3789	8.90	4.98	0.56	3933
	23	22	13.74	6.05	0.44	2790	13.61	5.99	0.44	2815	13.46	5.92	0.44	2840	13.29	5.85	0.44	2863	13.15	5.79	0.44	2877	13.01	5.72	0.44	2971	12.83	5.65	0.44	3100	12.60	5.55	0.44	3306	12.31	5.42	0.44	3457	11.95	5.26	0.44	3585	10.97	4.83	0.44	3806	9.05	3.98	0.44	3949
	24	18	13.38	9.63	0.72	2777	13.25	9.54	0.72	2803	13.10	9.43	0.72	2828	12.93	9.31	0.72	2851	12.81	9.22	0.72	2865	12.67	9.12	0.72	2960	12.49	8.99	0.72	3091	12.27	8.84	0.72	3299	11.98	8.63	0.72	3451	11.63	8.38	0.72	3581	10.68	7.69	0.72	3803	8.81	6.34	0.72	3948
	24	20	13.79	8.27	0.60	2802	13.65	8.19	0.60	2827	13.50	8.10	0.60	2852	13.33	8.00	0.60	2875	13.20	7.92	0.60	2890	13.05	7.83	0.60	2985	12.87	7.72	0.60	3115	12.65	7.59	0.60	3323	12.35	7.41	0.60	3476	11.99	7.19	0.60	3605	11.01	6.60	0.60	3828	9.08	5.45	0.60	3972
	24	22	14.02	6.73	0.48	2818	13.88	6.66	0.48	2843	13.73	6.59	0.48	2869	13.56	6.51	0.48	2892	13.42	6.44	0.48	2906	13.28	6.37	0.48	3001	13.09	6.28	0.48	3131	12.86	6.17	0.48	3340	12.56	6.03	0.48	3492	12.19	5.85	0.48	3621	11.19	5.37	0.48	3844	9.24	4.43	0.48	3989
	24	24	14.22	5.12	0.36	2837	14.08	5.07	0.36	2863	13.93	5.01	0.36	2888	13.75	4.95	0.36	2911	13.61	4.90	0.36	2926	13.46	4.85	0.36	3021	13.28	4.78	0.36	3151	13.04	4.70	0.36	3359	12.74	4.58	0.36	3512	12.37	4.45	0.36	3641	11.35	4.09	0.36	3863	9.36	3.37	0.36	4008
	25	18	13.79	10.48	0.76	2805	13.66	10.38	0.76	2831	13.51	10.27	0.76	2857	13.33	10.13	0.76	2880	13.20	10.03	0.76	2894	13.06	9.92	0.76	2990	12.88	9.79	0.76	3122	12.65	9.61	0.76	3332	12.35	9.39	0.76	3486	11.99	9.12	0.76	3617	11.01	8.37	0.76	3842	9.08	6.90	0.76	3988
	25	20	14.21	9.10	0.64	2830	14.07	9.01	0.64	2855	13.92	8.91	0.64	2881	13.74	8.80	0.64	2904	13.61	8.71	0.64	2919	13.46	8.61	0.64	3015	13.27	8.49	0.64	3146	13.04	8.34	0.64	3357	12.73	8.15	0.64	3511	12.36	7.91	0.64	3641	11.35	7.26	0.64	3866	9.36	5.99	0.64	4013
	25	22	14.46	7.52	0.52	2846	14.31	7.44	0.52	2872	14.16	7.36	0.52	2898	13.98	7.27	0.52	2921	13.84	7.20	0.52	2935	13.69	7.12	0.52	3032	13.50	7.02	0.52	3163	13.26	6.89	0.52	3374	12.95	6.73	0.52	3527	12.57	6.54	0.52	3658	11.54	6.00	0.52	3883	9.52	4.95	0.52	4029
	25	24	14.66	5.86	0.40	2866	14.51	5.81	0.40	2892	14.36	5.74	0.40	2917	14.17	5.67	0.40	2941	14.03	5.61	0.40	2955	13.88	5.55	0.40	3051	13.69	5.47	0.40	3183	13.45	5.38	0.40	3393	13.13	5.25	0.40	3547	12.75	5.10	0.40	3678	11.70	4.68	0.40	3902	9.65	3.86	0.40	4049
	26	18	14.22	11.38	0.80	2834	14.08	11.26	0.80	2859	13.93	11.14	0.80	2886	13.75	11.00	0.80	2909	13.61	10.89	0.80	2924	13.46	10.77	0.80	3021	13.28	10.62	0.80	3153	13.04	10.43	0.80	3366	12.74	10.19	0.80	3521	12.37	9.89	0.80	3653	11.35	9.08	0.80	3880	9.36	7.49	0.80	4028
	26	20	14.65	9.97	0.68	2858	14.51	9.87	0.68	2884	14.35	9.76	0.68	2910	14.17	9.63	0.68	2934	14.03	9.54	0.68	2948	13.87	9.43	0.68	3045	13.68	9.30	0.68	3178	13.44	9.14	0.68	3391	13.13	8.93	0.68	3546	12.74	8.67	0.68	3678	11.70	7.96	0.68	3905	9.65	6.56	0.68	4053
	26	22	14.90	8.35	0.56	2875	14.76	8.26	0.56	2901	14.60	8.17	0.56	2927	14.41	8.07	0.56	2950	14.27	7.99	0.56	2965	14.11	7.90	0.56	3062	13.92	7.79	0.56	3195	13.67	7.65	0.56	3408	13.35	7.48	0.56	3563	12.96	7.26	0.56	3695	11.90	6.66	0.56	3922	9.82	5.50	0.56	4070
	26	24	15.11	6.65	0.44	2895	14.96	6.58	0.44	2921	14.80	6.51	0.44	2947	14.61	6.43	0.44	2970	14.47	6.36	0.44	2985	14.31	6.30	0.44	3082	14.11	6.21	0.44	3215	13.86	6.10	0.44	3427	13.54	5.96	0.44	3583	13.14	5.78	0.44	3715	12.06	5.31	0.44	3942	9.95	4.38	0.44	4090
	26	26	15.35	4.91	0.32	2918	15.20	4.86	0.32	2944	15.04	4.81	0.32	2970	14.84	4.75	0.32	2993	14.70	4.70	0.32	3008	14.54	4.65	0.32	3105	14.34	4.59	0.32	3238	14.08	4.51	0.32	3450	13.75	4.40	0.32	3606	13.35	4.27	0.32	3737	12.26	3.92	0.32	3965	10.11	3.24	0.32	4112
	27	18	14.51	12.19	0.84	2862	14.37	12.07	0.84	2888	14.21	11.94	0.84	2915	14.03	11.78	0.84	2938	13.89	11.67	0.84	2953	13.74	11.54	0.84	3051	13.55	11.38	0.84	3185	13.31	11.18	0.84	3400	13.00	10.92	0.84	3557	12.62	10.60	0.84	3690	11.58	9.73	0.84	3920	9.56	8.03	0.84	4069
	27	19	14.81	11.55	0.78	2872	14.66	11.43	0.78	2898	14.50	11.31	0.78	2925	14.31	11.16	0.78	2948	14.17	11.05	0.78	2963	14.02	10.93	0.78	3061	13.82	10.78	0.78	3195	13.58	10.59	0.78	3410	13.26	10.34	0.78	3567	12.88	10.04	0.78	3700	11.82	9.22	0.78	3930	9.75	7.61	0.78	4079
	27	20	14.95	10.77	0.72	2887	14.81	10.66	0.72	2913	14.64	10.54	0.72	2940	14.46	10.41	0.72	2963	14.31	10.31	0.72	2978	14.16	10.19	0.72	3076	13.96	10.05	0.72	3210	13.72	9.88	0.72	3425	13.39	9.64	0.72	3582	13.00	9.36	0.72	3715	11.94	8.59	0.72	3945	9.85	7.09	0.72	4094
	27	22	15.21	9.12	0.60	2904	15.06	9.03	0.60	2930	14.89	8.94	0.60	2957	14.70	8.82	0.60	2980	14.56	8.73	0.60	2995	14.40	8.64	0.60	3093	14.20	8.52	0.60	3227	13.95	8.37	0.60	3442	13.62	8.17	0.60	3599	13.22	7.93	0.60	3732	12.14	7.28	0.60	3962	10.02	6.01	0.60	4111
	27	24	15.42	7.40	0.48	2924	15.27	7.33	0.48	2950	15.10	7.25	0.48</																																					

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
100%	21	18	12.10	7.26	0.60	2629	11.98	7.19	0.60	2653	11.85	7.11	0.60	2677	11.70	7.02	0.60	2699	11.58	6.95	0.60	2712	11.46	6.87	0.60	2802	11.30	6.78	0.60	2925	11.10	6.66	0.60	3123	10.84	6.50	0.60	3267	10.52	6.31	0.60	3389	9.66	5.80	0.60	3600	7.97	4.78	0.60	3737
	21	20	12.60	6.05	0.48	2652	12.47	5.99	0.48	2676	12.34	5.92	0.48	2701	12.18	5.85	0.48	2722	12.06	5.79	0.48	2736	11.93	5.73	0.48	2826	11.76	5.65	0.48	2949	11.56	5.55	0.48	3146	11.29	5.42	0.48	3291	10.96	5.26	0.48	3413	10.06	4.83	0.48	3624	8.30	3.98	0.48	3761
	22	18	12.47	7.98	0.64	2655	12.35	7.90	0.64	2680	12.22	7.82	0.64	2704	12.06	7.72	0.64	2726	11.94	7.64	0.64	2740	11.81	7.56	0.64	2831	11.65	7.45	0.64	2955	11.44	7.32	0.64	3154	11.17	7.15	0.64	3300	10.85	6.94	0.64	3424	9.96	6.37	0.64	3636	8.22	5.26	0.64	3775
	22	20	12.86	6.69	0.52	2679	12.73	6.62	0.52	2703	12.59	6.55	0.52	2728	12.43	6.46	0.52	2750	12.31	6.40	0.52	2763	12.17	6.33	0.52	2854	12.00	6.24	0.52	2979	11.79	6.13	0.52	3178	11.52	5.99	0.52	3324	11.18	5.81	0.52	3447	10.26	5.34	0.52	3660	8.47	4.40	0.52	3799
	22	22	13.08	5.23	0.40	2695	12.95	5.18	0.40	2720	12.80	5.12	0.40	2744	12.64	5.06	0.40	2766	12.52	5.01	0.40	2780	12.38	4.95	0.40	2870	12.21	4.88	0.40	2995	11.99	4.80	0.40	3194	11.71	4.68	0.40	3340	11.37	4.55	0.40	3464	10.44	4.18	0.40	3676	8.61	3.44	0.40	3815
	23	18	12.73	8.66	0.68	2682	12.60	8.57	0.68	2707	12.47	8.48	0.68	2731	12.31	8.37	0.68	2753	12.18	8.29	0.68	2767	12.05	8.20	0.68	2859	11.89	8.08	0.68	2985	11.68	7.94	0.68	3186	11.40	7.75	0.68	3333	11.07	7.53	0.68	3458	10.16	6.91	0.68	3673	8.38	5.70	0.68	3813
	23	20	13.12	7.35	0.56	2706	12.99	7.27	0.56	2731	12.85	7.19	0.56	2755	12.68	7.10	0.56	2777	12.56	7.03	0.56	2791	12.42	6.96	0.56	2883	12.25	6.86	0.56	3009	12.03	6.74	0.56	3210	11.75	6.58	0.56	3357	11.41	6.39	0.56	3482	10.47	5.86	0.56	3697	8.64	4.84	0.56	3837
	23	22	13.34	5.87	0.44	2723	13.21	5.81	0.44	2747	13.07	5.75	0.44	2772	12.90	5.68	0.44	2794	12.77	5.62	0.44	2808	12.63	5.56	0.44	2899	12.46	5.48	0.44	3025	12.24	5.38	0.44	3227	11.95	5.26	0.44	3374	11.60	5.11	0.44	3498	10.65	4.69	0.44	3713	8.79	3.87	0.44	3853
	24	18	12.99	9.35	0.72	2709	12.86	9.26	0.72	2734	12.72	9.16	0.72	2759	12.56	9.04	0.72	2781	12.43	8.95	0.72	2795	12.30	8.85	0.72	2888	12.13	8.73	0.72	2988	11.91	8.58	0.72	3218	11.63	8.38	0.72	3367	11.30	8.13	0.72	3493	10.37	7.47	0.72	3710	8.55	6.16	0.72	3852
	24	20	13.39	8.03	0.60	2734	13.25	7.95	0.60	2758	13.11	7.87	0.60	2783	12.94	7.77	0.60	2805	12.81	7.69	0.60	2820	12.67	7.60	0.60	2912	12.50	7.50	0.60	3039	12.28	7.37	0.60	3243	11.99	7.19	0.60	3391	11.64	6.98	0.60	3517	10.69	6.41	0.60	3735	8.82	5.29	0.60	3876
	24	22	13.61	6.53	0.48	2750	13.48	6.47	0.48	2775	13.33	6.40	0.48	2800	13.16	6.32	0.48	2822	13.03	6.26	0.48	2836	12.89	6.19	0.48	2929	12.71	6.10	0.48	3056	12.49	5.99	0.48	3259	12.19	5.85	0.48	3408	11.84	5.68	0.48	3534	10.87	5.22	0.48	3751	8.97	4.30	0.48	3892
	24	24	13.81	4.97	0.36	2769	13.67	4.92	0.36	2794	13.52	4.87	0.36	2819	13.35	4.80	0.36	2841	13.21	4.76	0.36	2855	13.07	4.71	0.36	2948	12.89	4.64	0.36	3075	12.66	4.56	0.36	3279	12.37	4.45	0.36	3427	12.00	4.32	0.36	3553	11.02	3.97	0.36	3770	9.09	3.27	0.36	3912
	25	18	13.39	10.18	0.76	2737	13.26	10.08	0.76	2762	13.11	9.97	0.76	2787	12.95	9.84	0.76	2809	12.82	9.74	0.76	2824	12.68	9.64	0.76	2917	12.50	9.50	0.76	3045	12.28	9.33	0.76	3251	11.99	9.12	0.76	3401	11.64	8.85	0.76	3528	10.69	8.12	0.76	3748	8.82	6.70	0.76	3891
	25	20	13.80	8.83	0.64	2761	13.66	8.75	0.64	2786	13.52	8.65	0.64	2811	13.34	8.54	0.64	2834	13.21	8.45	0.64	2848	13.07	8.36	0.64	2942	12.89	8.25	0.64	3070	12.66	8.10	0.64	3275	12.36	7.91	0.64	3425	12.00	7.68	0.64	3553	11.02	7.05	0.64	3772	9.09	5.82	0.64	3915
	25	22	14.04	7.30	0.52	2778	13.90	7.23	0.52	2803	13.75	7.15	0.52	2828	13.57	7.06	0.52	2850	13.43	6.99	0.52	2865	13.29	6.91	0.52	2958	13.10	6.81	0.52	3087	12.87	6.69	0.52	3292	12.57	6.54	0.52	3442	12.21	6.35	0.52	3570	11.20	5.83	0.52	3789	9.24	4.81	0.52	3932
	25	24	14.23	5.69	0.40	2797	14.09	5.64	0.40	2822	13.94	5.58	0.40	2848	13.76	5.50	0.40	2870	13.62	5.45	0.40	2884	13.47	5.39	0.40	2978	13.29	5.32	0.40	3106	13.05	5.22	0.40	3312	12.75	5.10	0.40	3462	12.38	4.95	0.40	3589	11.36	4.54	0.40	3808	9.37	3.75	0.40	3951
	26	18	13.81	11.04	0.80	2764	13.67	10.93	0.80	2790	13.52	10.82	0.80	2815	13.35	10.68	0.80	2838	13.21	10.57	0.80	2852	13.07	10.46	0.80	2947	12.89	10.31	0.80	3076	12.66	10.13	0.80	3284	12.37	9.89	0.80	3435	12.01	9.60	0.80	3564	11.02	8.82	0.80	3786	9.09	7.27	0.80	3930
	26	20	14.23	9.67	0.68	2789	14.09	9.58	0.68	2814	13.93	9.47	0.68	2840	13.75	9.35	0.68	2862	13.62	9.26	0.68	2877	13.47	9.16	0.68	2971	13.28	9.03	0.68	3101	13.05	8.87	0.68	3308	12.74	8.67	0.68	3460	12.37	8.41	0.68	3589	11.36	7.72	0.68	3810	9.37	6.37	0.68	3955
	26	22	14.47	8.10	0.56	2806	14.33	8.02	0.56	2831	14.17	7.94	0.56	2857	13.99	7.83	0.56	2879	13.85	7.76	0.56	2894	13.70	7.67	0.56	2988	13.51	7.57	0.56	3118	13.27	7.43	0.56	3325	12.96	7.26	0.56	3477	12.58	7.05	0.56	3606	11.55	6.47	0.56	3827	9.53	5.34	0.56	3971
	26	24	14.67	6.46	0.44	2826	14.53	6.39	0.44	2851	14.37	6.32	0.44	2876	14.18	6.24	0.44	2899	14.04	6.18	0.44	2913	13.89	6.11	0.44	3008	13.70	6.03	0.44	3138	13.46	5.92	0.44	3345	13.14	5.78	0.44	3497	12.76	5.61	0.44	3625	11.71	5.15	0.44	3847	9.66	4.25	0.44	3991
	26	26	14.91	4.77	0.32	2848	14.76	4.72	0.32	2874	14.60	4.67	0.32	2899	14.41	4.61	0.32	2922	14.27	4.57	0.32	2936	14.11	4.52	0.32	3031	13.92	4.45	0.32	3160	13.67	4.38	0.32	3368	13.35	4.27	0.32	3519	12.96	4.15	0.32	3648	11.90	3.81	0.32	3870	9.82	3.14	0.32	4014
	27	18	14.09	11.83	0.84	2792	13.95	11.72	0.84	2818	13.80	11.59	0.84	2843	13.62	11.44	0.84	2866	13.48	11.33	0.84	2881	13.34	11.20	0.84	2976	13.15	11.05	0.84	3107	12.92	10.85	0.84	3317	12.62	10.60	0.84	3470	12.25	10.29	0.84	3600	11.25	9.45	0.84	3824	9.28	7.79	0.84	3970
	27	19	14.37	11.21	0.78	2802	14.23	11.10	0.78	2828	14.08	10.98	0.78	2853	13.90	10.84	0.78	2876	13.76	10.73	0.78	2891	13.61	10.62	0.78	2986	13.42	10.47	0.78	3117	13.18	10.28	0.78	3327	12.88	10.04	0.78	3480	12.50	9.75	0.78	3610	11.48	8.95	0.78	3834	9.47	7.38	0.78	3980
	27	20	14.52	10.45	0.72	2817	14.37	10.35	0.72	2843	14.22	10.24	0.72	2868	14.04	10.11	0.72	2891	13.90	10.01	0.72	2906	13.75	9.90	0.72	3001	13.56	9.76	0.72	3132	13.32	9.59	0.72	3342	13.00	9.36	0.72	3495	12.63	9.09	0.72	3625	11.59	8.34	0.72	3849	9.56	6.88	0.72	3995
	27	22	14.76	8.86	0.60	2834	14.62	8.77	0.60	2860	14.46	8.68	0.60	2885	14.27	8.56	0.60	2908	14.13	8.48	0.60	2923	13.98	8.39	0.60	3018	13.79	8.27	0.60	3149	13.54	8.13	0.60	3359	13.22	7.93	0.60	3512	12.84	7.70	0.60	3642	11.79	7.07	0.60	3866	9.72	5.83	0.60	4012
	27	24	14.97	7.19	0.48	2854	14.82	7.12	0.48	2880	14.66	7.04	0.48	2905																																				

4. CAPACITIES AND SELECTION DATA

PERFORMANCE DATA (Cooling Operation at Rated Frequency)

AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W

COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
			21	18	11.86	7.12	0.60	2602	11.74	7.04	0.60	2626	11.61	6.97	0.60	2650	11.46	6.88	0.60	2672	11.35	6.81	0.60	2685	11.23	6.74	0.60	2774	11.07	6.64	0.60	2896	10.88	6.53	0.60	3091	10.62	6.37	0.60	3234	10.31	6.19	0.60	3355	9.47	5.68	0.60	3564	7.81	4.69

90%

Remarks:
 Q: Total Cooling Capacity (Gross) kW
 SHC: Sensible Heat Capacity (Gross)
 SHF: Sensible Heat Factor
 IPT: Power Input(including the compressor, evap. fan motor & cond. fan motor) W
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

		PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																
		AMW5-42U4RTA(AUS) CAPACITY: 13.5 kW INPUT:3700 W																																																
COMBINATION (%)	IDDB (°C)	ID WB (°C)	-15				-5				0				5				10				15				20				25				30				35				40				45			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT				
80%	21	18	11.50	6.90	0.60	2576	11.38	6.83	0.60	2600	11.26	6.75	0.60	2623	11.11	6.67	0.60	2644	11.00	6.60	0.60	2658	10.88	6.53	0.60	2746	10.73	6.44	0.60	2867	10.54	6.33	0.60	3060	10.30	6.18	0.60	3201	10.00	6.00	0.60	3321	9.18	5.51	0.60	3528	7.57	4.54	0.60	3662
	21	20	11.97	5.75	0.48	2600	11.85	5.69	0.48	2623	11.72	5.63	0.48	2647	11.57	5.55	0.48	2668	11.46	5.50	0.48	2681	11.33	5.44	0.48	2770	11.18	5.36	0.48	2890	10.98	5.27	0.48	3084	10.72	5.15	0.48	3225	10.41	5.00	0.48	3345	9.56	4.59	0.48	3551	7.88	3.78	0.48	3686
	22	18	11.85	7.58	0.64	2602	11.73	7.51	0.64	2626	11.61	7.43	0.64	2650	11.46	7.33	0.64	2671	11.34	7.26	0.64	2685	11.22	7.18	0.64	2774	11.07	7.08	0.64	2896	10.87	6.96	0.64	3091	10.61	6.79	0.64	3234	10.31	6.60	0.64	3355	9.46	6.05	0.64	3563	7.81	5.00	0.64	3699
	22	20	12.21	6.35	0.52	2626	12.09	6.29	0.52	2650	11.96	6.22	0.52	2674	11.81	6.14	0.52	2695	11.69	6.08	0.52	2708	11.56	6.01	0.52	2797	11.40	5.93	0.52	2920	11.20	5.83	0.52	3115	10.94	5.69	0.52	3258	10.62	5.52	0.52	3379	9.75	5.07	0.52	3587	8.04	4.18	0.52	3723
	22	22	12.42	4.97	0.40	2642	12.30	4.92	0.40	2666	12.16	4.87	0.40	2690	12.01	4.80	0.40	2711	11.89	4.76	0.40	2725	11.76	4.70	0.40	2814	11.60	4.64	0.40	2936	11.39	4.56	0.40	3131	11.13	4.45	0.40	3274	10.80	4.32	0.40	3395	9.92	3.97	0.40	3603	8.18	3.27	0.40	3739
	23	18	12.09	8.22	0.68	2628	11.97	8.14	0.68	2652	11.84	8.05	0.68	2677	11.69	7.95	0.68	2698	11.58	7.87	0.68	2712	11.45	7.79	0.68	2802	11.29	7.68	0.68	2925	11.09	7.54	0.68	3122	10.83	7.37	0.68	3264	10.52	7.15	0.68	3389	9.65	6.56	0.68	3599	7.96	5.42	0.68	3737
	23	20	12.46	6.98	0.56	2652	12.34	6.91	0.56	2676	12.21	6.84	0.56	2701	12.05	6.75	0.56	2722	11.93	6.68	0.56	2736	11.80	6.61	0.56	2826	11.64	6.52	0.56	2949	11.43	6.40	0.56	3146	11.16	6.25	0.56	3290	10.84	6.07	0.56	3413	9.95	5.57	0.56	3624	8.21	4.60	0.56	3761
	23	22	12.68	5.58	0.44	2669	12.55	5.52	0.44	2693	12.41	5.46	0.44	2717	12.25	5.39	0.44	2739	12.13	5.34	0.44	2752	12.00	5.28	0.44	2842	11.83	5.21	0.44	2965	11.63	5.12	0.44	3163	11.35	5.00	0.44	3307	11.02	4.85	0.44	3429	10.12	4.45	0.44	3640	8.35	3.67	0.44	3777
	24	18	12.34	8.88	0.72	2655	12.22	8.80	0.72	2679	12.08	8.70	0.72	2704	11.93	8.59	0.72	2725	11.81	8.50	0.72	2739	11.68	8.41	0.72	2830	11.52	8.30	0.72	2955	11.32	8.15	0.72	3154	11.05	7.96	0.72	3299	10.73	7.73	0.72	3423	9.85	7.09	0.72	3636	8.13	5.85	0.72	3774
	24	20	12.72	7.63	0.60	2679	12.59	7.55	0.60	2703	12.45	7.47	0.60	2728	12.29	7.38	0.60	2750	12.17	7.30	0.60	2763	12.04	7.22	0.60	2854	11.87	7.12	0.60	2979	11.66	7.00	0.60	3178	11.39	6.83	0.60	3324	11.06	6.64	0.60	3447	10.15	6.09	0.60	3660	8.38	5.03	0.60	3799
	24	22	12.93	6.21	0.48	2696	12.81	6.15	0.48	2720	12.67	6.08	0.48	2744	12.50	6.00	0.48	2766	12.38	5.94	0.48	2780	12.25	5.88	0.48	2871	12.08	5.80	0.48	2995	11.86	5.69	0.48	3195	11.58	5.56	0.48	3340	11.25	5.40	0.48	3464	10.32	4.96	0.48	3677	8.52	4.09	0.48	3815
	24	24	13.11	4.72	0.36	2715	12.98	4.67	0.36	2739	12.84	4.62	0.36	2764	12.68	4.56	0.36	2786	12.55	4.52	0.36	2799	12.42	4.47	0.36	2890	12.25	4.41	0.36	3015	12.03	4.33	0.36	3214	11.75	4.23	0.36	3360	11.40	4.11	0.36	3483	10.47	3.77	0.36	3696	8.64	3.11	0.36	3835
	25	18	12.72	9.67	0.76	2682	12.60	9.57	0.76	2706	12.46	9.47	0.76	2731	12.30	9.35	0.76	2753	12.18	9.25	0.76	2767	12.04	9.15	0.76	2859	11.88	9.03	0.76	2984	11.67	8.87	0.76	3186	11.39	8.66	0.76	3333	11.06	8.41	0.76	3458	10.16	7.72	0.76	3673	8.38	6.37	0.76	3813
	25	20	13.11	8.39	0.64	2706	12.98	8.31	0.64	2731	12.84	8.22	0.64	2755	12.68	8.11	0.64	2777	12.55	8.03	0.64	2791	12.41	7.94	0.64	2883	12.24	7.83	0.64	3009	12.03	7.70	0.64	3210	11.74	7.52	0.64	3357	11.40	7.30	0.64	3482	10.47	6.70	0.64	3697	8.63	5.53	0.64	3837
	25	22	13.33	6.93	0.52	2723	13.20	6.86	0.52	2747	13.06	6.79	0.52	2772	12.89	6.70	0.52	2794	12.76	6.64	0.52	2808	12.62	6.56	0.52	2900	12.45	6.47	0.52	3026	12.23	6.36	0.52	3227	11.94	6.21	0.52	3374	11.60	6.03	0.52	3499	10.64	5.54	0.52	3714	8.78	4.57	0.52	3854
	25	24	13.52	5.41	0.40	2743	13.39	5.35	0.40	2767	13.24	5.30	0.40	2792	13.07	5.23	0.40	2814	12.94	5.18	0.40	2828	12.80	5.12	0.40	2919	12.62	5.05	0.40	3045	12.40	4.96	0.40	3246	12.11	4.84	0.40	3394	11.76	4.70	0.40	3518	10.79	4.32	0.40	3733	8.90	3.56	0.40	3873
	26	18	13.11	10.49	0.80	2709	12.98	10.39	0.80	2734	12.84	10.27	0.80	2758	12.68	10.14	0.80	2781	12.55	10.04	0.80	2795	12.42	9.93	0.80	2888	12.25	9.80	0.80	3015	12.03	9.62	0.80	3218	11.75	9.40	0.80	3366	11.40	9.12	0.80	3493	10.47	8.38	0.80	3710	8.64	6.91	0.80	3851
	26	20	13.52	9.19	0.68	2734	13.38	9.10	0.68	2758	13.24	9.00	0.68	2783	13.07	8.89	0.68	2806	12.94	8.80	0.68	2820	12.80	8.70	0.68	2912	12.62	8.58	0.68	3039	12.40	8.43	0.68	3243	12.11	8.23	0.68	3391	11.75	7.99	0.68	3517	10.79	7.34	0.68	3734	8.90	6.05	0.68	3876
	26	22	13.75	7.70	0.56	2750	13.61	7.62	0.56	2775	13.46	7.54	0.56	2800	13.29	7.44	0.56	2822	13.16	7.37	0.56	2836	13.01	7.29	0.56	2929	12.83	7.19	0.56	3056	12.61	7.06	0.56	3259	12.31	6.89	0.56	3408	11.95	6.69	0.56	3534	10.97	6.15	0.56	3751	9.05	5.07	0.56	3893
	26	24	13.94	6.13	0.44	2770	13.80	6.07	0.44	2795	13.65	6.01	0.44	2820	13.48	5.93	0.44	2842	13.34	5.87	0.44	2856	13.20	5.81	0.44	2949	13.01	5.73	0.44	3076	12.78	5.63	0.44	3279	12.48	5.49	0.44	3428	12.12	5.33	0.44	3554	11.13	4.90	0.44	3771	9.18	4.04	0.44	3912
	26	26	14.16	4.53	0.32	2793	14.02	4.49	0.32	2818	13.87	4.44	0.32	2843	13.69	4.38	0.32	2865	13.56	4.34	0.32	2879	13.41	4.29	0.32	2972	13.22	4.23	0.32	3099	12.99	4.16	0.32	3302	12.68	4.06	0.32	3451	12.31	3.94	0.32	3577	11.31	3.62	0.32	3794	9.33	2.98	0.32	3935
	27	18	13.38	11.24	0.84	2736	13.25	11.13	0.84	2761	13.11	11.01	0.84	2786	12.94	10.87	0.84	2809	12.81	10.76	0.84	2823	12.67	10.64	0.84	2917	12.50	10.50	0.84	3045	12.27	10.31	0.84	3250	11.99	10.07	0.84	3400	11.64	9.78	0.84	3528	10.68	8.97	0.84	3747	8.81	7.40	0.84	3890
	27	19	13.66	10.65	0.78	2746	13.52	10.55	0.78	2771	13.37	10.43	0.78	2796	13.20	10.30	0.78	2819	13.07	10.20	0.78	2833	12.93	10.08	0.78	2927	12.75	9.95	0.78	3055	12.52	9.77	0.78	3260	12.23	9.54	0.78	3410	11.88	9.26	0.78	3538	10.90	8.50	0.78	3757	8.99	7.01	0.78	3900
	27	20	13.79	9.93	0.72	2761	13.66	9.83	0.72	2786	13.51	9.73	0.72	2811	13.33	9.60	0.72	2834	13.20	9.51	0.72	2848	13.06	9.40	0.72	2942	12.88	9.27	0.72	3070	12.65	9.11	0.72	3275	12.35	8.89	0.72	3425	11.99	8.64	0.72	3553	11.01	7.93	0.72	3772	9.08	6.54	0.72	3915
	27	22	14.03	8.42	0.60	2778	13.89	8.33	0.60	2803	13.74	8.24	0.60	2828	13.56	8.14	0.60	2851	13.43	8.06	0.60	2865	13.28	7.97	0.60	2959	13.10	7.86	0.60	3087	12.87	7.72	0.60	3292	12.56	7.54	0.60	3442	12.20	7.32	0.60	3570	11.20	6.72	0.60	3789	9.24	5.54	0.60	3932
	27	24	14.22	6.83	0.48	2798	14.08	6.76	0.48	2823	13.93	6.69	0.48	2848	13.75	6.60																																		

4. CAPACITIES AND SELECTION DATA

42K

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	15	9.76	3463	11.48	3570	12.76	3606	14.02	3679	15.24	3873	16.46	4067	17.28	4189	17.80	4272
	16	9.64	3490	11.34	3598	12.60	3635	13.85	3709	15.06	3904	16.26	4099	17.07	4222	17.59	4307
	17	9.53	3519	11.21	3627	12.46	3664	13.69	3739	14.88	3936	16.07	4132	16.87	4256	17.38	4342
	18	9.42	3547	11.08	3657	12.31	3694	13.53	3769	14.70	3967	15.88	4166	16.67	4291	17.17	4377
	19	9.30	3576	10.95	3686	12.16	3723	13.36	3799	14.53	3999	15.69	4199	16.47	4325	16.97	4412
	20	9.21	3604	10.84	3716	12.04	3753	13.23	3830	14.38	4032	15.53	4233	16.31	4360	16.80	4447
	21	9.10	3644	10.71	3757	11.90	3795	13.07	3872	14.21	4076	15.35	4280	16.11	4408	16.60	4496
	22	8.99	3684	10.58	3798	11.75	3836	12.92	3915	14.04	4121	15.16	4327	15.92	4457	16.40	4546
	23	8.88	3725	10.45	3840	11.61	3879	12.76	3958	13.87	4166	14.98	4374	15.73	4506	16.20	4596
	24	8.78	3766	10.33	3882	11.47	3921	12.61	4001	13.70	4212	14.80	4423	15.54	4555	16.01	4646
	25	8.67	3807	10.20	3925	11.34	3964	12.46	4045	13.54	4258	14.62	4471	15.35	4605	15.82	4697
	26	8.57	3849	10.08	3968	11.20	4008	12.31	4090	13.38	4305	14.45	4520	15.17	4656	15.63	4749
	27	8.47	3891	9.96	4012	11.07	4052	12.16	4135	13.22	4352	14.27	4570	14.99	4707	15.44	4801
	28	8.36	3934	9.84	4056	10.93	4097	12.01	4180	13.06	4400	14.10	4620	14.81	4759	15.25	4854
29	8.26	3977	9.72	4100	10.80	4142	11.87	4226	12.90	4449	13.93	4671	14.63	4811	15.07	4908	
30	8.16	4021	9.60	4145	10.67	4187	11.73	4273	12.75	4498	13.77	4723	14.46	4864	14.89	4962	
120%	15	9.47	3298	11.15	3400	12.38	3434	13.61	3504	14.79	3688	15.98	3873	16.78	3989	17.28	4069
	16	9.36	3324	11.01	3427	12.24	3462	13.45	3532	14.62	3718	15.79	3904	16.58	4021	17.07	4102
	17	9.25	3351	10.88	3455	12.09	3490	13.29	3561	14.44	3748	15.60	3936	16.38	4054	16.87	4135
	18	9.14	3378	10.75	3483	11.95	3518	13.13	3590	14.27	3778	15.41	3967	16.19	4086	16.67	4168
	19	9.03	3405	10.63	3511	11.81	3546	12.98	3618	14.10	3809	15.23	3999	15.99	4119	16.47	4202
	20	8.94	3433	10.52	3539	11.69	3575	12.85	3648	13.96	3840	15.08	4032	15.84	4153	16.31	4236
	21	8.84	3471	10.40	3578	11.55	3614	12.69	3688	13.80	3882	14.90	4076	15.65	4198	16.11	4282
	22	8.73	3509	10.27	3617	11.41	3654	12.54	3728	13.63	3925	14.72	4121	15.46	4244	15.92	4329
	23	8.63	3547	10.15	3657	11.27	3694	12.39	3769	13.47	3968	14.54	4166	15.27	4291	15.73	4377
	24	8.52	3586	10.03	3697	11.14	3735	12.24	3811	13.31	4011	14.37	4212	15.09	4338	15.54	4425
	25	8.42	3626	9.91	3738	11.01	3776	12.09	3853	13.15	4056	14.20	4258	14.91	4386	15.35	4474
	26	8.32	3666	9.79	3779	10.87	3817	11.95	3895	12.99	4100	14.03	4305	14.73	4434	15.17	4523
	27	8.22	3706	9.67	3821	10.74	3859	11.81	3938	12.83	4145	13.86	4352	14.55	4483	14.99	4573
	28	8.12	3747	9.55	3863	10.61	3902	11.66	3981	12.68	4191	13.69	4400	14.38	4532	14.81	4623
29	8.02	3788	9.44	3905	10.49	3945	11.52	4025	12.53	4237	13.53	4449	14.20	4582	14.63	4674	
30	7.93	3830	9.33	3948	10.36	3988	11.39	4069	12.38	4284	13.37	4498	14.03	4633	14.46	4725	
110%	15	9.20	3233	10.82	3333	12.02	3367	13.21	3435	14.36	3616	15.51	3797	16.29	3911	16.78	3989
	16	9.09	3259	10.69	3360	11.88	3394	13.06	3463	14.19	3645	15.33	3828	16.09	3942	16.58	4021
	17	8.98	3285	10.57	3387	11.74	3421	12.90	3491	14.02	3675	15.15	3858	15.90	3974	16.38	4054
	18	8.87	3312	10.44	3414	11.60	3449	12.75	3519	13.86	3704	14.97	3890	15.71	4006	16.19	4086
	19	8.77	3339	10.32	3442	11.46	3477	12.60	3548	13.69	3734	14.79	3921	15.53	4039	15.99	4119
	20	8.68	3365	10.22	3470	11.35	3505	12.47	3576	13.56	3764	14.64	3953	15.37	4071	15.84	4153
	21	8.58	3403	10.09	3508	11.21	3543	12.32	3615	13.39	3806	14.47	3996	15.19	4116	15.65	4198
	22	8.48	3440	9.97	3546	11.08	3582	12.18	3655	13.23	3848	14.29	4040	15.01	4161	15.46	4244
	23	8.37	3478	9.85	3585	10.95	3622	12.03	3695	13.08	3890	14.12	4084	14.83	4207	15.27	4291
	24	8.27	3516	9.73	3625	10.82	3661	11.88	3736	12.92	3933	13.95	4129	14.65	4253	15.09	4338
	25	8.17	3555	9.62	3665	10.69	3702	11.74	3777	12.76	3976	13.78	4175	14.47	4300	14.91	4386
	26	8.08	3594	9.50	3705	10.56	3742	11.60	3819	12.61	4020	13.62	4221	14.30	4347	14.73	4434
	27	7.98	3633	9.39	3746	10.43	3784	11.46	3861	12.46	4064	13.46	4267	14.13	4395	14.55	4483
	28	7.88	3673	9.27	3787	10.31	3825	11.32	3903	12.31	4109	13.29	4314	13.96	4444	14.38	4532
29	7.79	3714	9.16	3829	10.18	3867	11.19	3946	12.16	4154	13.13	4362	13.79	4492	14.20	4582	
30	7.70	3755	9.05	3871	10.06	3910	11.05	3990	12.02	4200	12.98	4410	13.63	4542	14.03	4633	

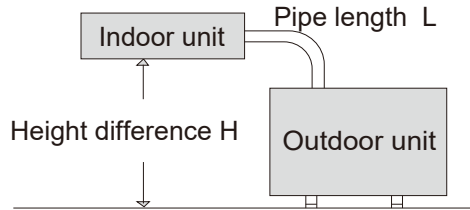
4. CAPACITIES AND SELECTION DATA

COMBINATION (%)	INDOOR DB(°C)	OUTDOOR WB(°C)															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	15	8.93	3139	10.51	3236	11.67	3269	12.83	3335	13.94	3511	15.06	3686	15.81	3797	16.29	3873
	16	8.82	3164	10.38	3262	11.54	3295	12.68	3362	13.78	3539	14.88	3716	15.62	3828	16.09	3904
	17	8.72	3190	10.26	3288	11.40	3322	12.53	3389	13.62	3568	14.70	3746	15.44	3858	15.90	3936
	18	8.62	3215	10.14	3315	11.26	3348	12.38	3417	13.45	3596	14.53	3776	15.26	3890	15.71	3967
	19	8.51	3241	10.02	3342	11.13	3375	12.23	3444	13.29	3625	14.36	3807	15.08	3921	15.53	3999
	20	8.43	3267	9.92	3369	11.02	3403	12.11	3472	13.16	3655	14.22	3837	14.93	3953	15.37	4032
	21	8.33	3303	9.80	3406	10.89	3440	11.96	3510	13.00	3695	14.04	3880	14.75	3996	15.19	4076
	22	8.23	3340	9.68	3443	10.76	3478	11.82	3549	12.85	3736	13.88	3922	14.57	4040	15.01	4121
	23	8.13	3376	9.56	3481	10.63	3516	11.68	3588	12.69	3777	13.71	3965	14.40	4084	14.83	4166
	24	8.03	3414	9.45	3519	10.50	3555	11.54	3627	12.54	3818	13.55	4009	14.22	4129	14.65	4212
	25	7.94	3451	9.34	3558	10.37	3594	11.40	3667	12.39	3860	13.38	4053	14.05	4175	14.47	4258
	26	7.84	3489	9.22	3597	10.25	3633	11.26	3708	12.24	3903	13.22	4098	13.88	4221	14.30	4305
	27	7.75	3528	9.11	3637	10.13	3673	11.13	3748	12.10	3946	13.06	4143	13.72	4267	14.13	4352
	28	7.65	3566	9.00	3677	10.01	3714	10.99	3790	11.95	3989	12.91	4188	13.55	4314	13.96	4400
	29	7.56	3606	8.90	3717	9.89	3755	10.86	3831	11.81	4033	12.75	4235	13.39	4362	13.79	4449
30	7.47	3645	8.79	3758	9.77	3796	10.73	3873	11.67	4077	12.60	4281	13.23	4410	13.63	4498	
90%	15	8.62	3082	10.14	3178	11.27	3210	12.38	3275	13.46	3448	14.53	3620	15.26	3729	15.72	3803
	16	8.52	3107	10.02	3203	11.13	3236	12.23	3302	13.30	3475	14.36	3649	15.08	3759	15.53	3834
	17	8.41	3132	9.90	3229	11.00	3262	12.09	3328	13.14	3503	14.19	3679	14.90	3789	15.35	3865
	18	8.31	3158	9.78	3255	10.87	3288	11.94	3355	12.98	3532	14.02	3708	14.72	3820	15.16	3896
	19	8.22	3183	9.67	3281	10.74	3315	11.80	3382	12.83	3560	13.86	3738	14.55	3850	14.98	3927
	20	8.13	3209	9.57	3308	10.63	3341	11.69	3409	12.70	3589	13.72	3768	14.40	3881	14.84	3959
	21	8.04	3244	9.46	3344	10.51	3378	11.55	3447	12.55	3628	13.55	3810	14.23	3924	14.66	4003
	22	7.94	3280	9.34	3381	10.38	3415	11.41	3485	12.40	3668	13.39	3852	14.06	3967	14.48	4047
	23	7.85	3316	9.23	3418	10.26	3453	11.27	3523	12.25	3709	13.23	3894	13.89	4011	14.31	4091
	24	7.75	3352	9.12	3456	10.13	3491	11.13	3562	12.10	3749	13.07	3937	13.72	4055	14.14	4136
	25	7.66	3389	9.01	3494	10.01	3529	11.00	3601	11.96	3791	12.91	3980	13.56	4100	13.97	4182
	26	7.57	3426	8.90	3532	9.89	3568	10.87	3641	11.81	3832	12.76	4024	13.40	4145	13.80	4228
	27	7.48	3464	8.80	3571	9.77	3607	10.74	3681	11.67	3875	12.61	4068	13.24	4190	13.63	4274
	28	7.39	3502	8.69	3610	9.65	3647	10.61	3721	11.53	3917	12.46	4113	13.08	4236	13.47	4321
	29	7.30	3541	8.59	3650	9.54	3687	10.48	3762	11.39	3960	12.31	4158	12.92	4283	13.31	4369
30	7.21	3580	8.48	3690	9.42	3728	10.36	3804	11.26	4004	12.16	4204	12.77	4330	13.15	4417	
80%	15	8.36	3052	9.83	3146	10.93	3178	12.01	3243	13.05	3413	14.10	3584	14.80	3691	15.25	3765
	16	8.26	3076	9.72	3171	10.80	3203	11.87	3269	12.90	3441	13.93	3613	14.63	3721	15.06	3796
	17	8.16	3101	9.60	3197	10.67	3229	11.72	3295	12.74	3468	13.76	3642	14.45	3751	14.89	3826
	18	8.07	3126	9.49	3223	10.54	3255	11.59	3322	12.59	3496	13.60	3671	14.28	3781	14.71	3857
	19	7.97	3151	9.38	3249	10.42	3281	11.45	3348	12.44	3525	13.44	3701	14.11	3812	14.53	3888
	20	7.89	3177	9.28	3275	10.31	3308	11.34	3375	12.32	3553	13.31	3731	13.97	3843	14.39	3919
	21	7.80	3211	9.17	3311	10.19	3344	11.20	3413	12.17	3592	13.15	3772	13.80	3885	14.22	3963
	22	7.70	3247	9.06	3347	10.07	3381	11.06	3450	12.03	3632	12.99	3813	13.64	3928	14.05	4006
	23	7.61	3283	8.95	3384	9.95	3418	10.93	3488	11.88	3672	12.83	3855	13.47	3971	13.88	4050
	24	7.52	3319	8.85	3421	9.83	3456	10.80	3526	11.74	3712	12.68	3898	13.31	4014	13.71	4095
	25	7.43	3355	8.74	3459	9.71	3494	10.67	3565	11.60	3753	12.53	3940	13.15	4059	13.55	4140
	26	7.34	3392	8.63	3497	9.59	3532	10.54	3604	11.46	3794	12.38	3984	13.00	4103	13.39	4185
	27	7.25	3429	8.53	3535	9.48	3571	10.42	3644	11.32	3836	12.23	4028	12.84	4148	13.22	4231
	28	7.16	3467	8.43	3574	9.37	3610	10.29	3684	11.19	3878	12.08	4072	12.69	4194	13.07	4278
	29	7.08	3505	8.33	3614	9.25	3650	10.17	3725	11.05	3921	11.94	4117	12.53	4240	12.91	4325
30	6.99	3544	8.23	3653	9.14	3690	10.05	3766	10.92	3964	11.79	4162	12.38	4287	12.75	4373	

Remarks:
Q: Total Cooling Capacity (Gross) **kW**
INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

4. CAPACITIES AND SELECTION DATA

4.2 Piping length correction factor



The correction factor is based on the equivalent piping length in meters (EL) and the height between outdoor and indoor units in meters (H).

H:

Height difference between indoor unit and outdoor unit (m).

- H>0: Position of outdoor unit is higher than that of the indoor unit (m).
- H<0: Position of outdoor unit is lower than that of the indoor unit (m).

L: Actual one-way piping length between indoor unit and outdoor unit (m).

EL: Equivalent one-way piping length between indoor unit and outdoor unit (m).

Gas Diameter (mm/inch)	9.52 (3/8')	12.7 (1/2')	15.88 (5/8')	19.05 (3/4')
90°Elbow	0.15	0.2	0.25	0.35

Cooling

Series	10	15	20	25	30	40	45	50	55	60	70	80
Up to 2 IDUs	1.00	0.96	0.95	0.93	0.91	--	--	--	--	--	--	--
Up to 3 IDUs	1.00	0.96	0.95	0.93	0.91	0.87	0.86	0.84	--	--	--	--
Up to 4 IDUs	1.00	0.96	0.95	0.93	0.91	0.87	0.86	0.84	0.82	0.80	--	--
Up to 5 IDUs	1.00	0.96	0.95	0.93	0.91	0.87	0.86	0.84	0.82	0.80	0.77	0.73

Heating

Series	10	15	20	25	30	40	45	50	55	60	70	80
Up to 2 IDUs	1.00	0.97	0.96	0.94	0.93	--	--	--	--	--	--	--
Up to 3 IDUs	1.00	0.97	0.96	0.94	0.93	0.90	0.89	0.87	--	--	--	--
Up to 4 IDUs	1.00	0.97	0.96	0.94	0.93	0.90	0.89	0.87	0.86	0.85	--	--
Up to 5 IDUs	1.00	0.97	0.96	0.94	0.93	0.90	0.89	0.87	0.86	0.85	0.82	0.79

4. CAPACITIES AND SELECTION DATA

The correction factor of height between indoor unit and outdoor unit

Height difference	5m	10m	15m
Factor	0.01	0.015	0.018

To ensure correct unit selection, consider the farthest indoor unit.

NOTE:

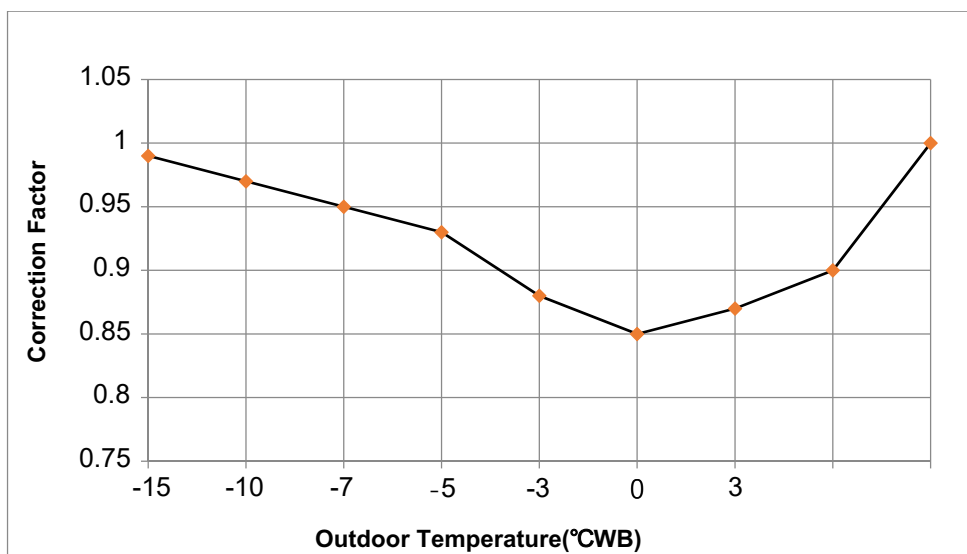
1. Above data is assuming that the height difference between indoor unit and outdoor unit is 0m.
2. Be sure to minimize length of connection pipes to optimize performance. If the outdoor unit is installed higher or lower than the indoor unit, it is necessary to apply height correction factor additionally to length correction factor to calculate cooling.
If outdoor unit is higher, correction should be applied to cooling capacity, if outdoor unit is lower, correction should be applied to heating capacity.

4.3 Correction Factors according to Defrosting Operation

The heating capacity in the preceding paragraph, excludes the condition of the frost or the defrosting operation period. In consideration of the frost or the defrosting operation, the heating capacity is corrected by the equation below.

Corrected heating capacity = Defrost Correction factor x unit capacity

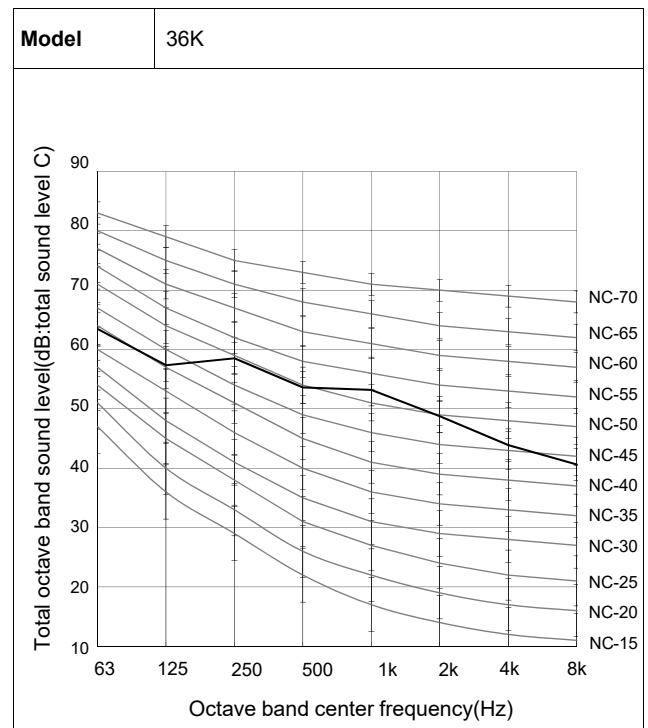
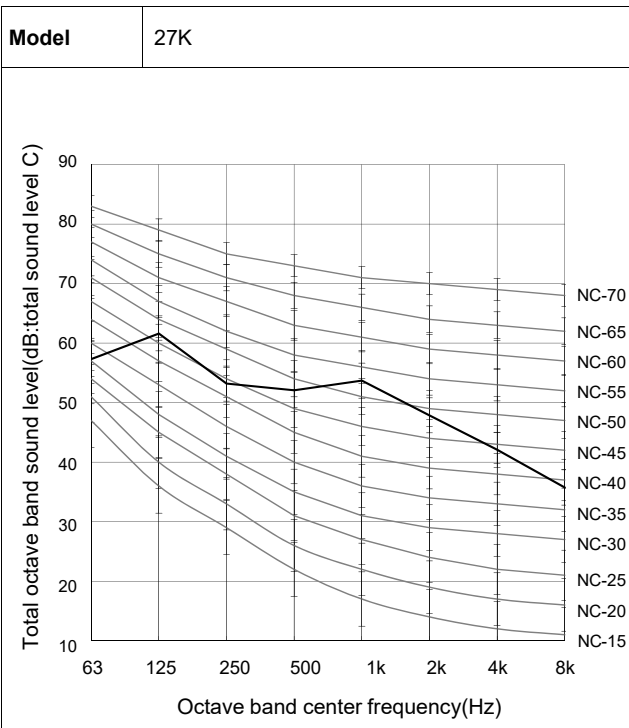
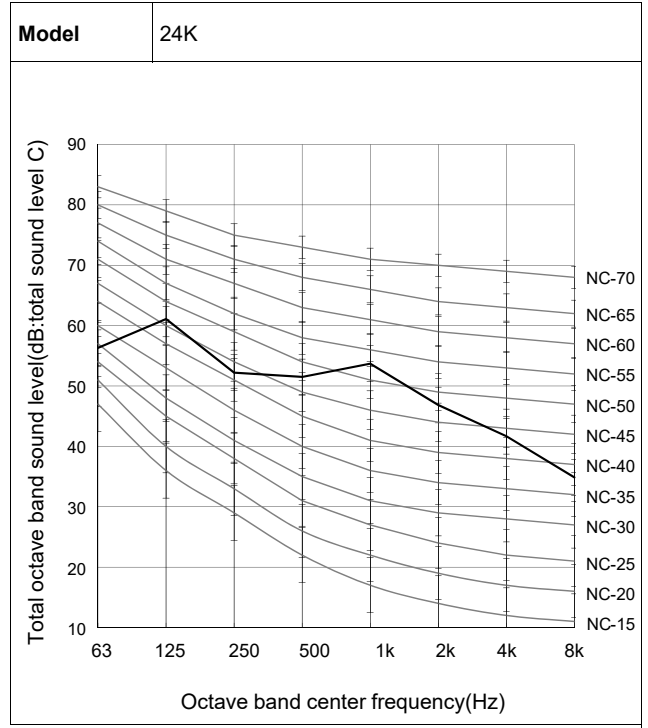
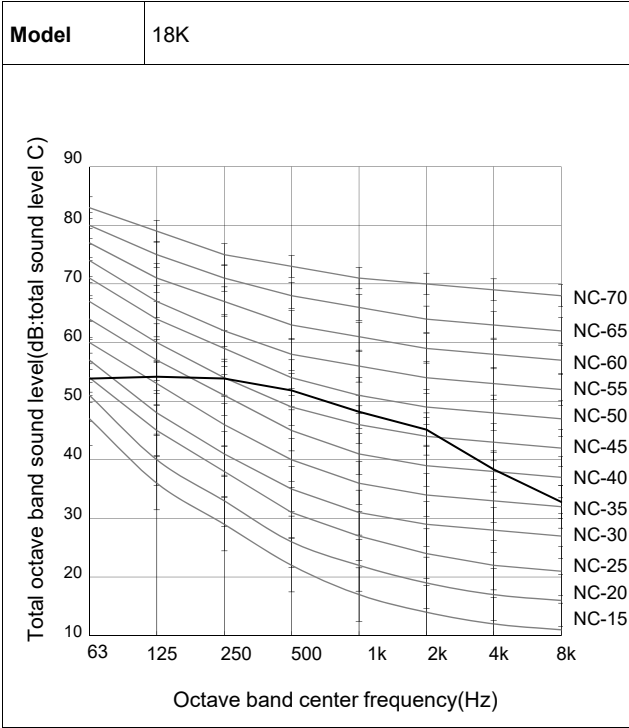
Outdoor Temperature (°CWB)	-15	-10	-7	-5	-3	0	3	5	7
Correction Factor	0.99	0.97	0.95	0.93	0.88	0.85	0.87	0.9	1.0



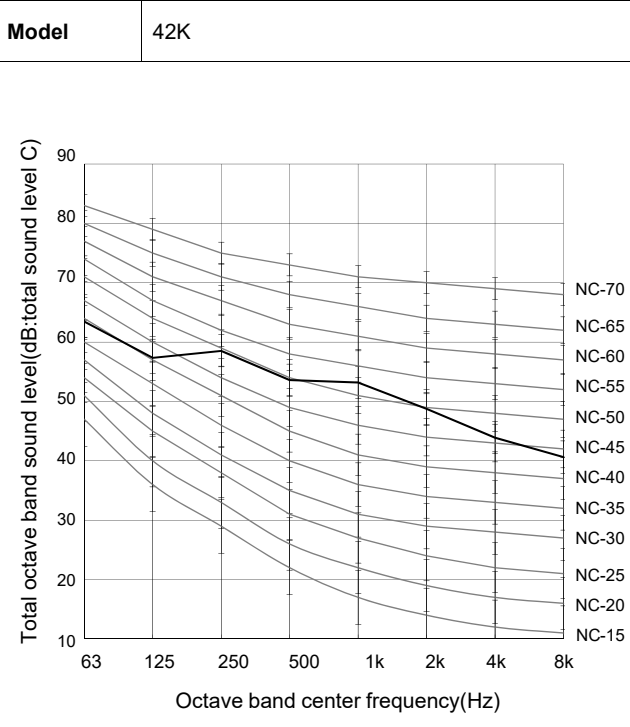
5. SOUND PRESSURE DATA

5. Sound pressure data

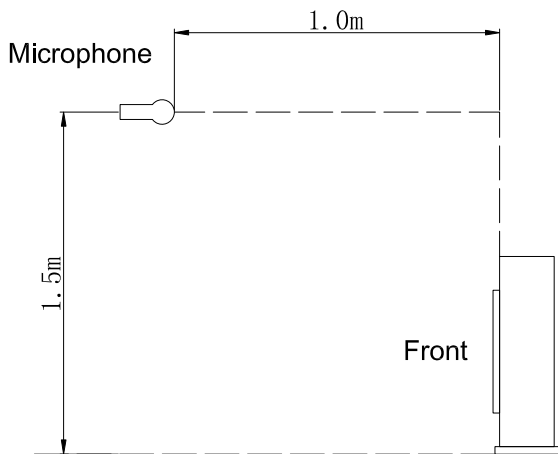
Outdoor unit



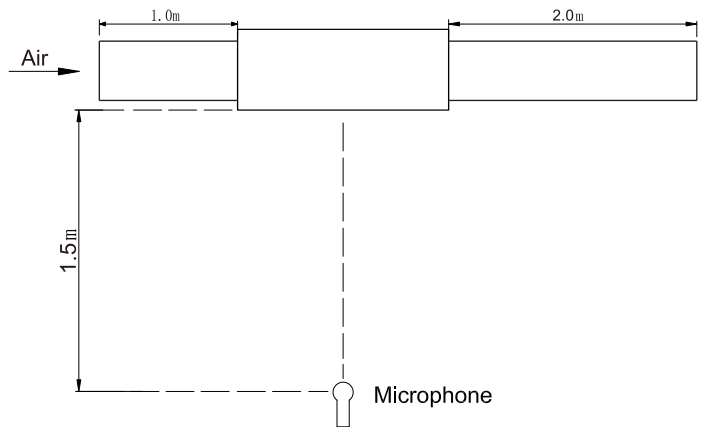
5. SOUND PRESSURE DATA



Test condition Outdoor:



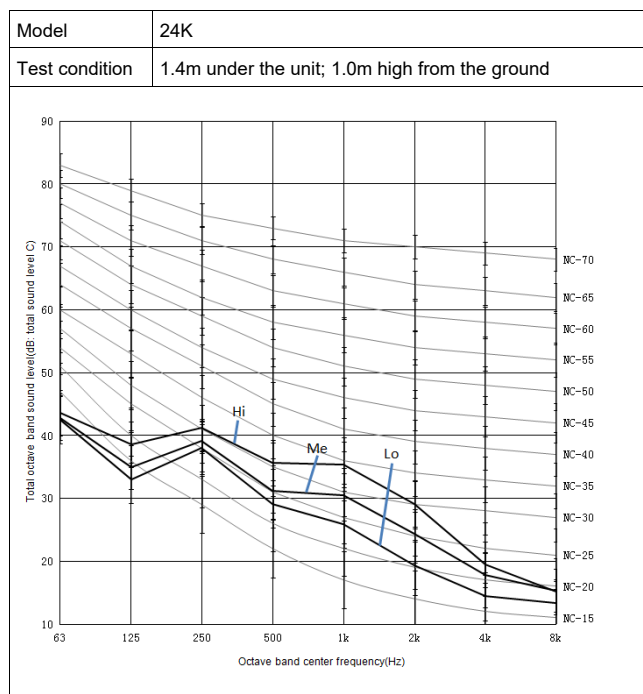
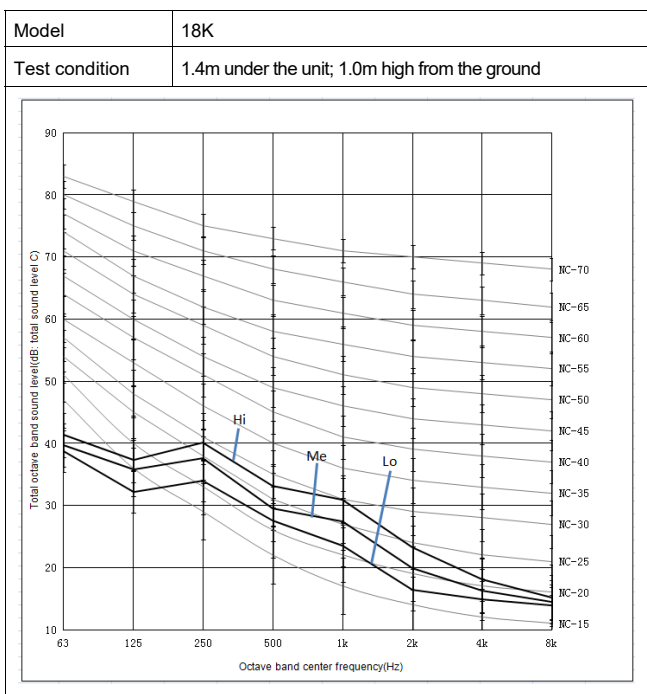
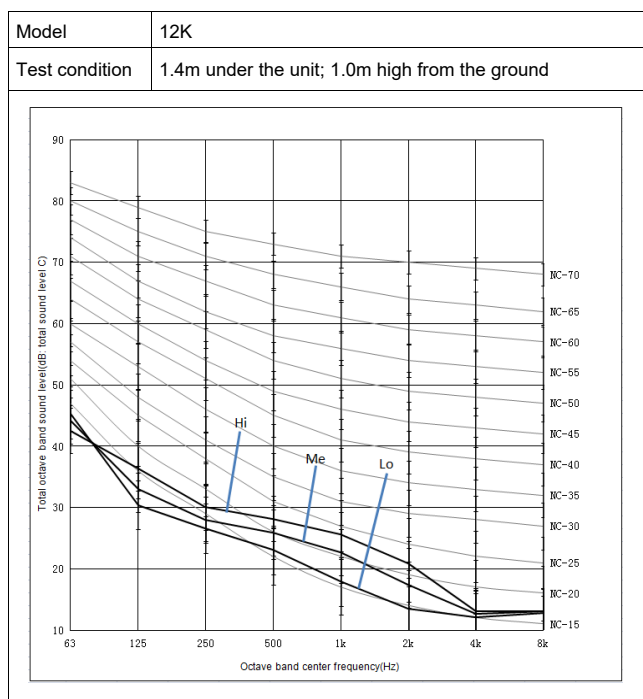
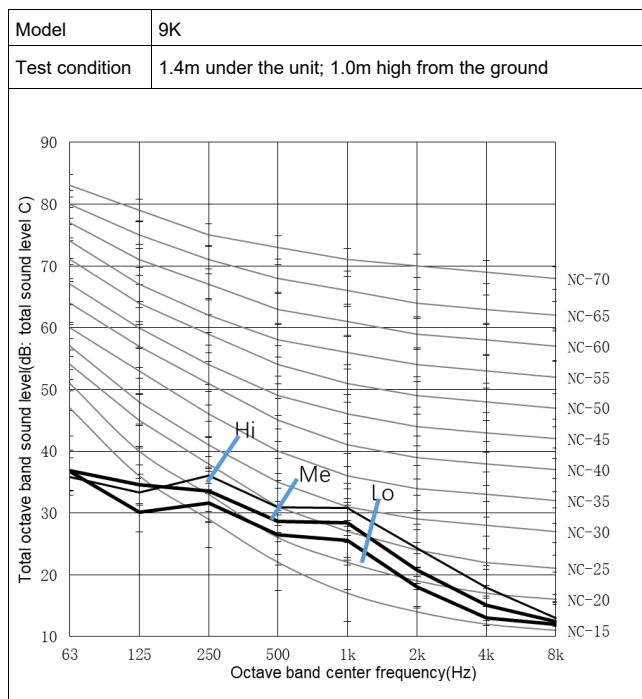
Test condition Duct:



5. SOUND PRESSURE DATA

Indoor unit

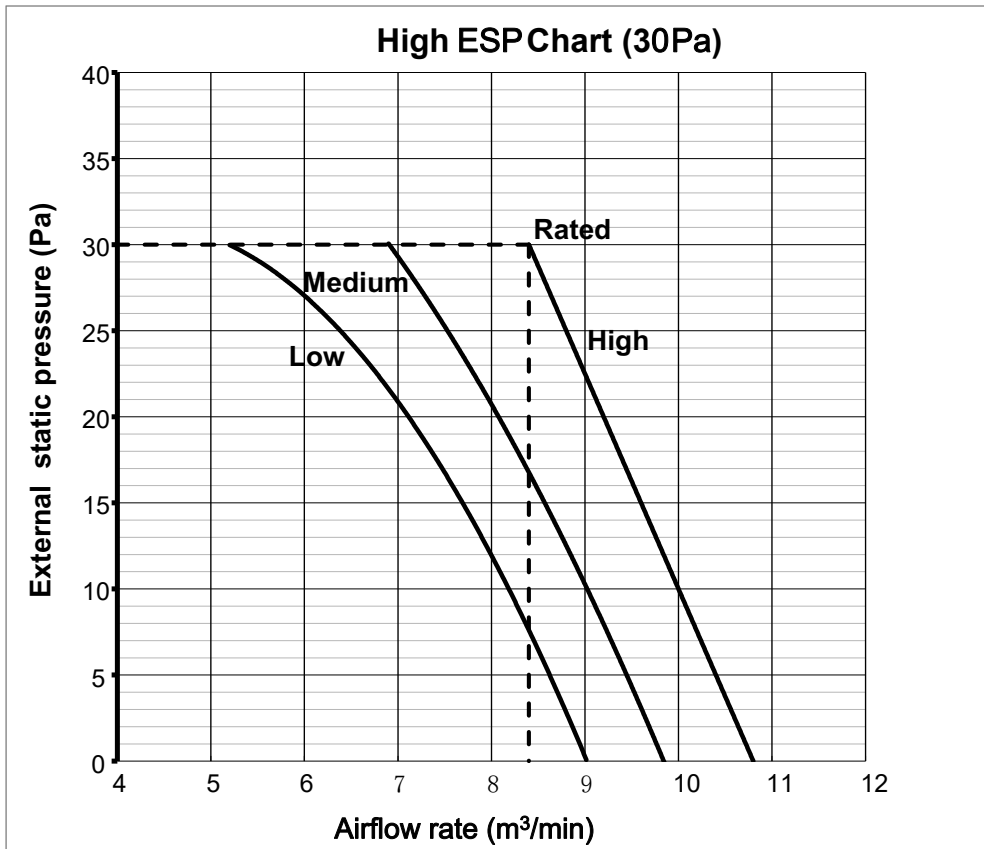
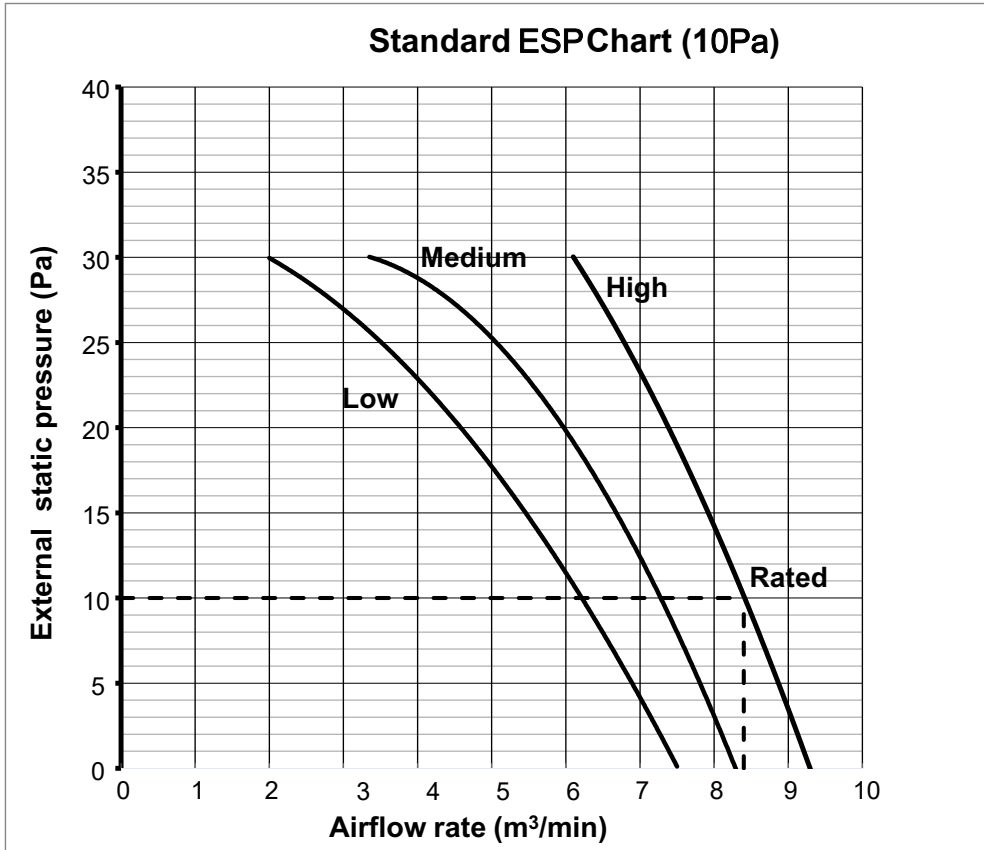
Duct



6. ESP(EXTERNAL STATIC PRESSURE) CHART (DUCT TYPE)

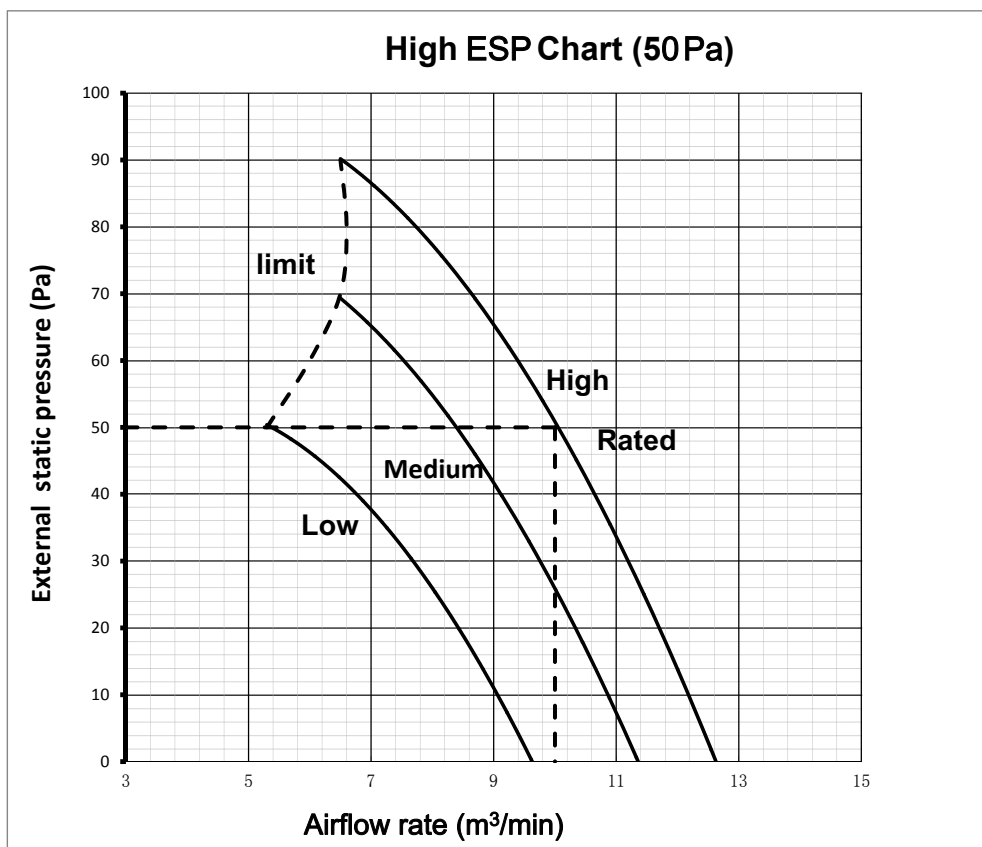
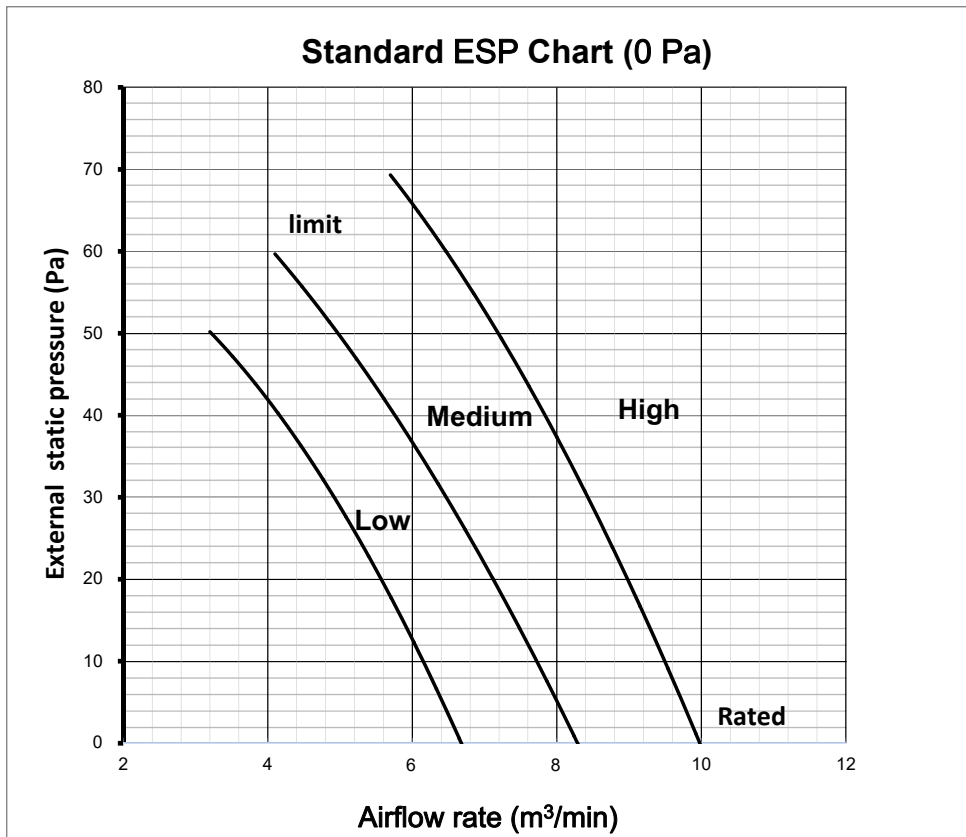
6. ESP(External static pressure) chart(Duct type)

9K



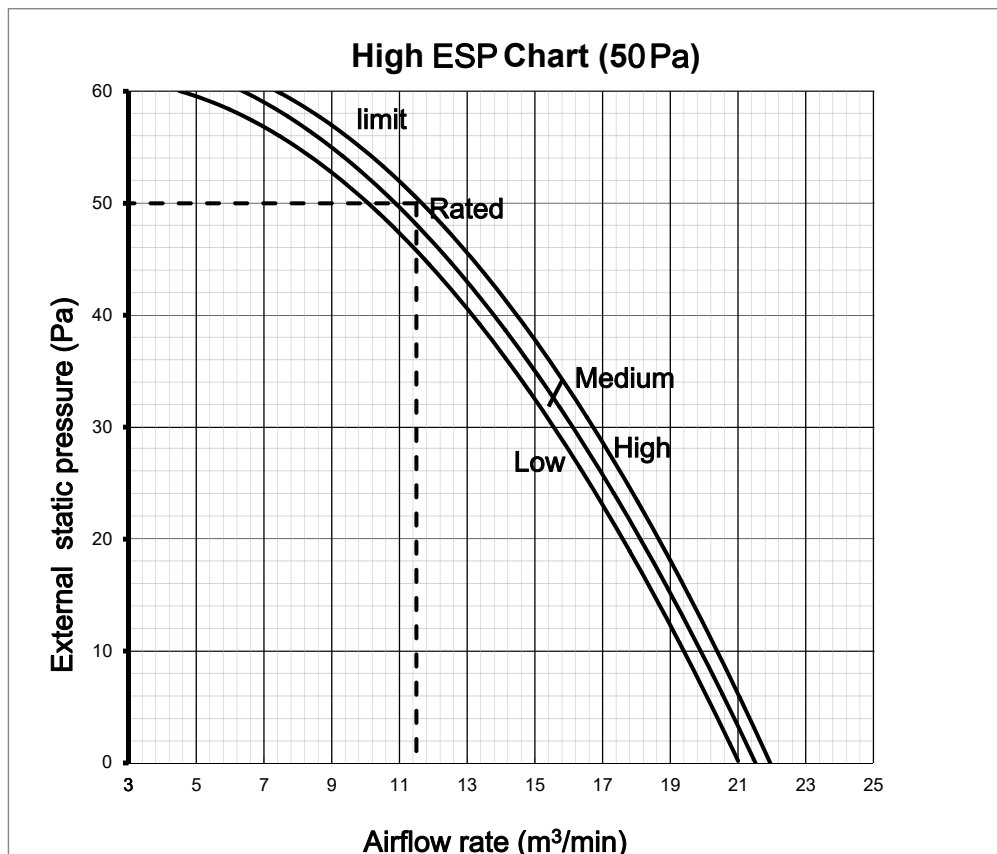
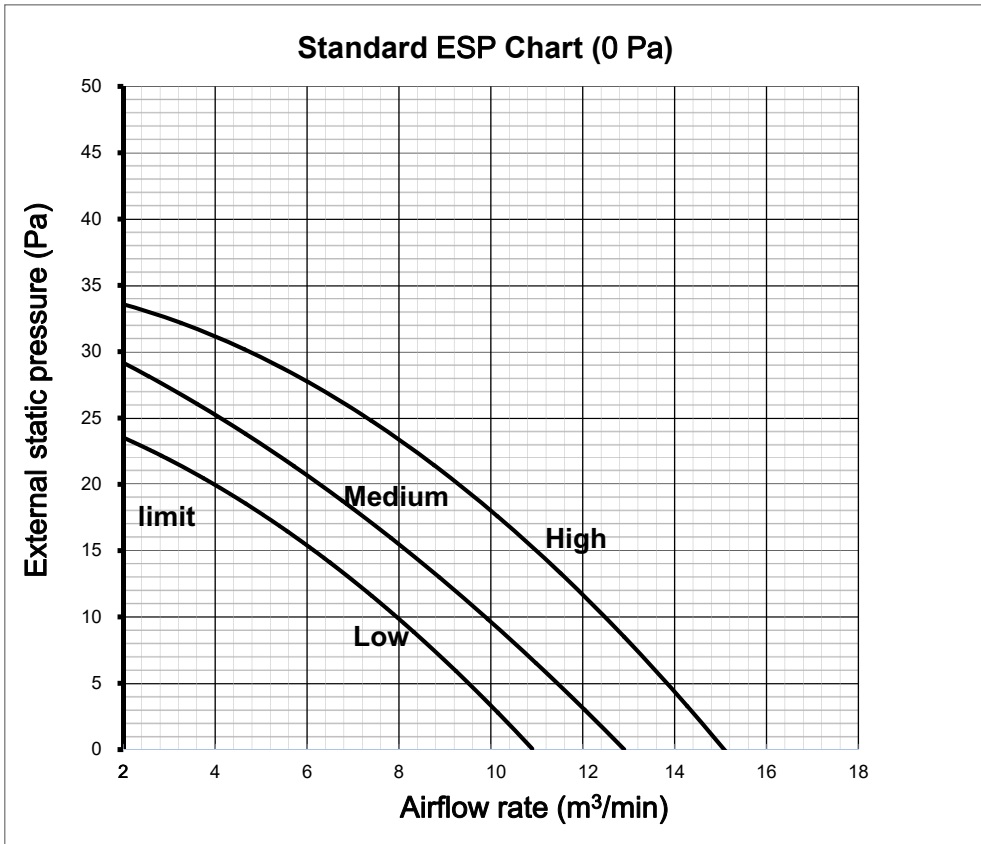
6. ESP(EXTERNAL STATIC PRESSURE) CHART (DUCT TYPE)

12K



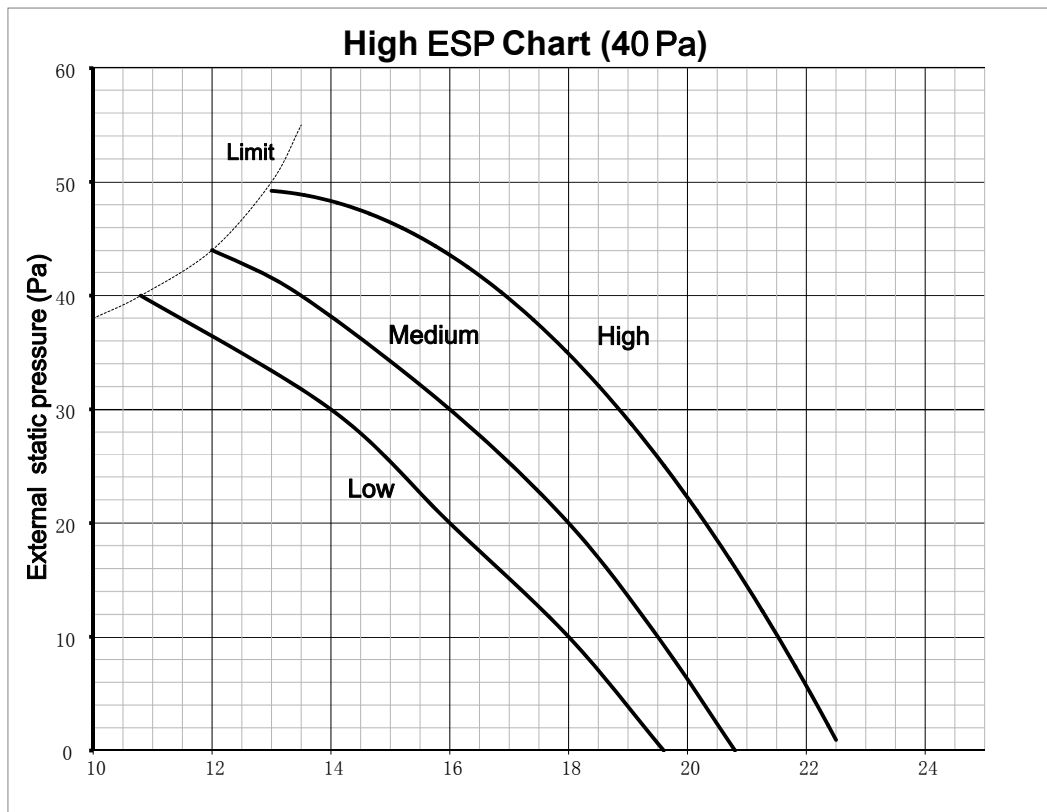
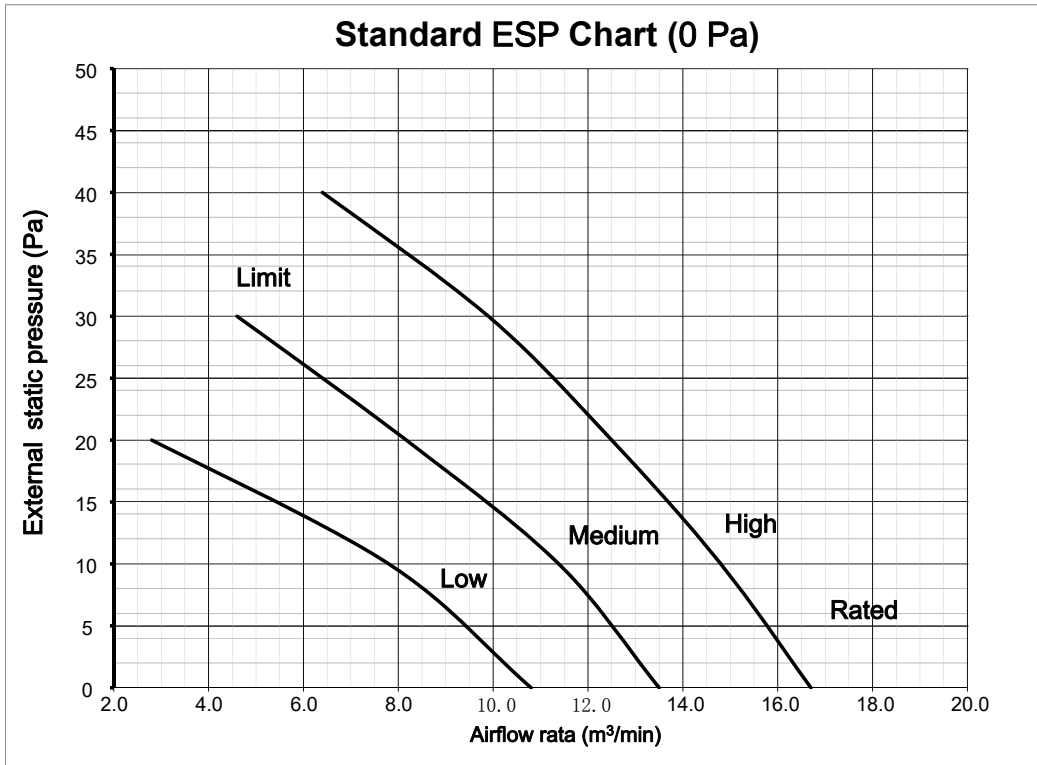
6. ESP(EXTERNAL STATIC PRESSURE) CHART (DUCT TYPE)

18K



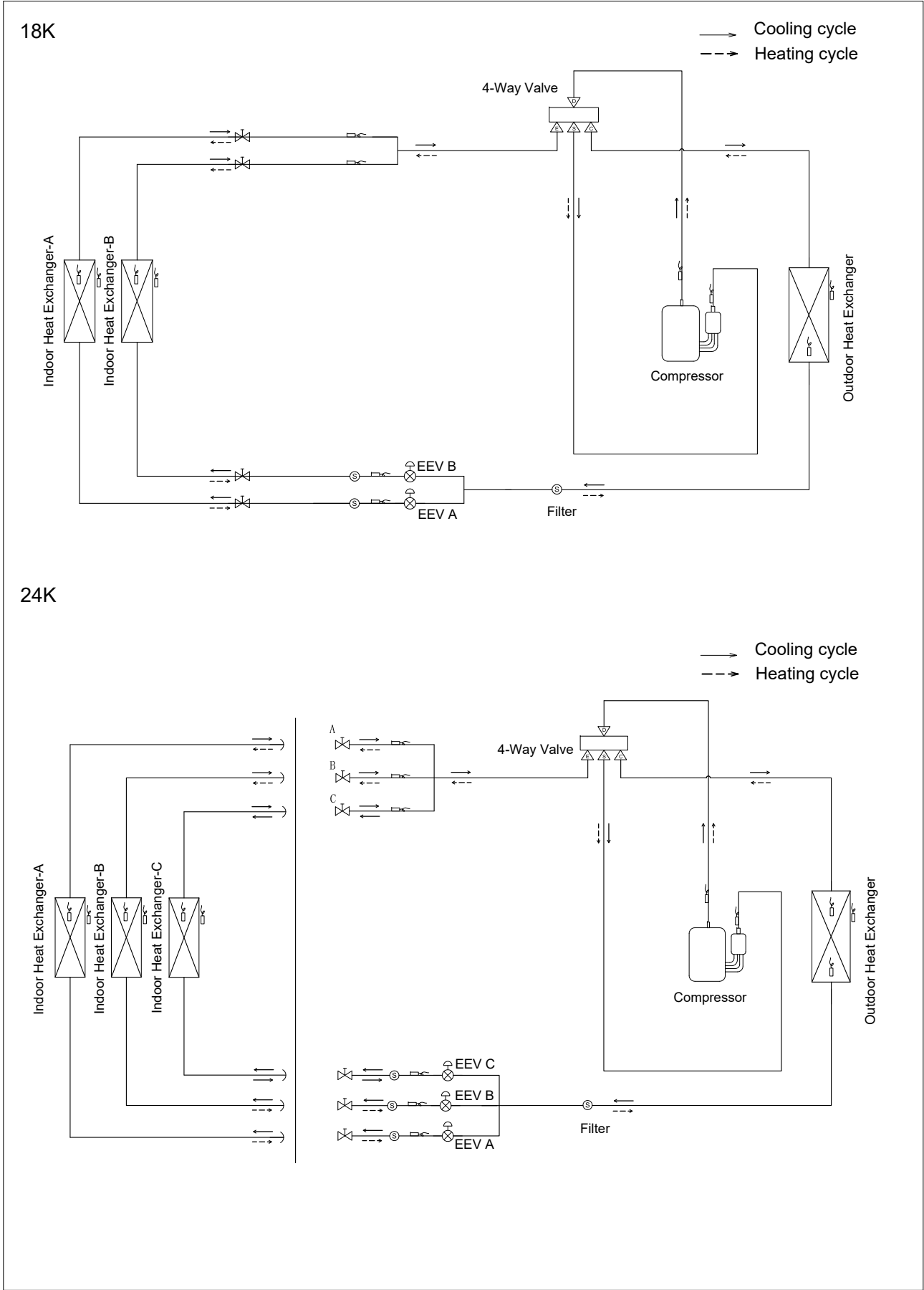
6. ESP(EXTERNAL STATIC PRESSURE) CHART (DUCT TYPE)

24K

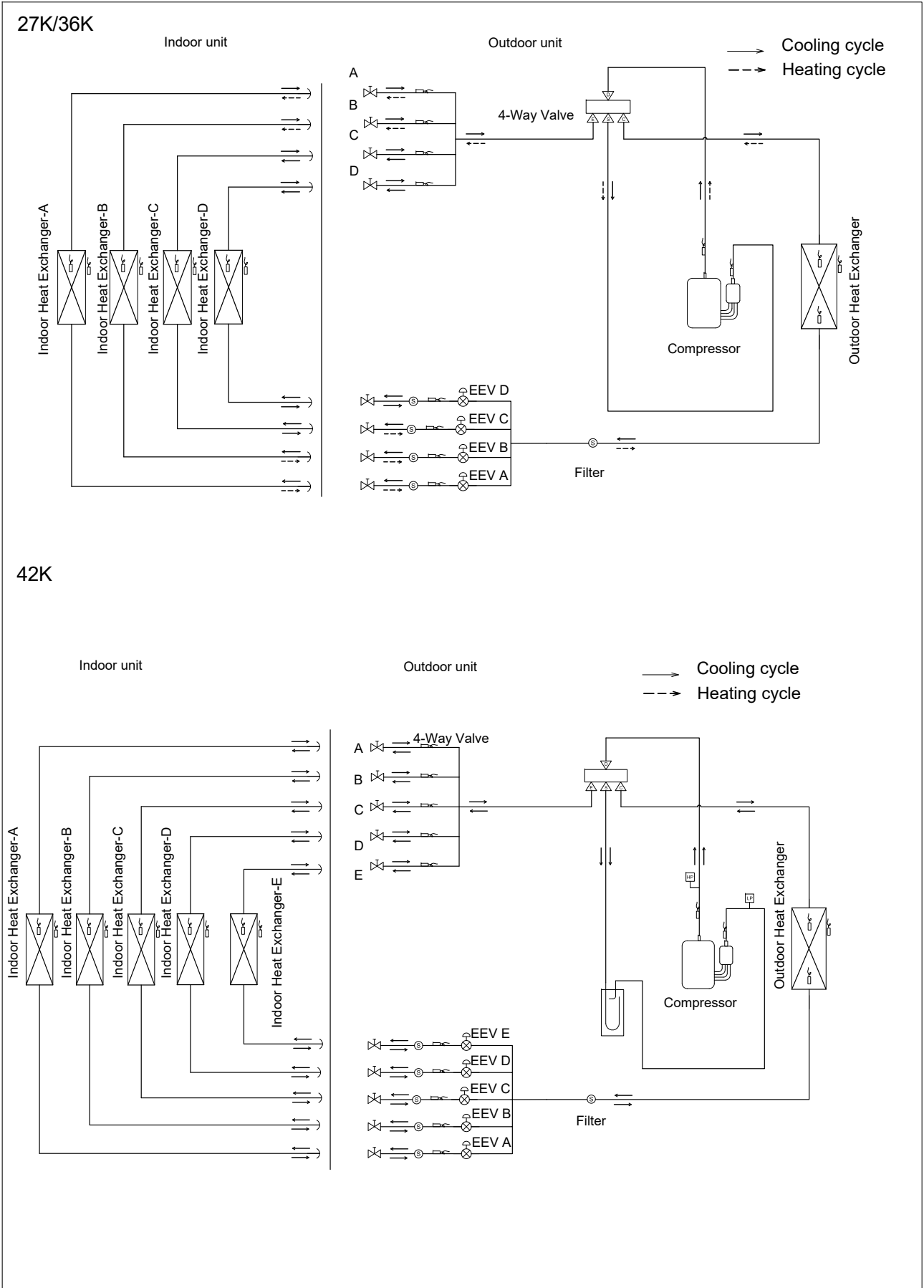


7. REFRIGERANT CYCLE

7. Refrigerant cycle



7. REFRIGERANT CYCLE



8. FRESH AIR INTAKE FUNCTION

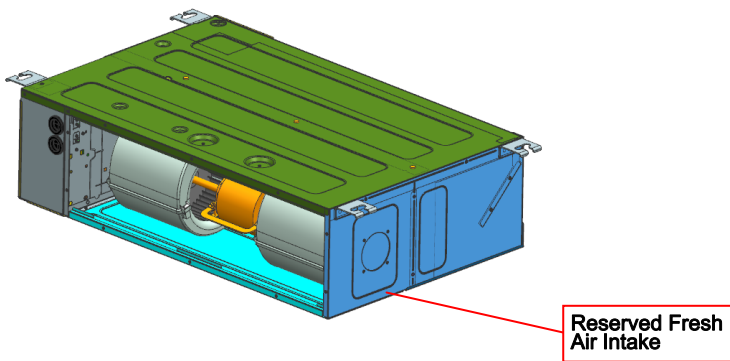
8. Fresh air intake function

Duct (18K~24K)

Indoor unit can take fresh air from the reserved fresh air intake, the size of the fresh air intake hole is $\Phi 65\text{mm}$.

Please follow the steps below when needed.

- 1) Cut off the reserved circular metal hole on the base board.
- 2) Connect air duct with the fresh air intake.



9K/12K/18K/24K

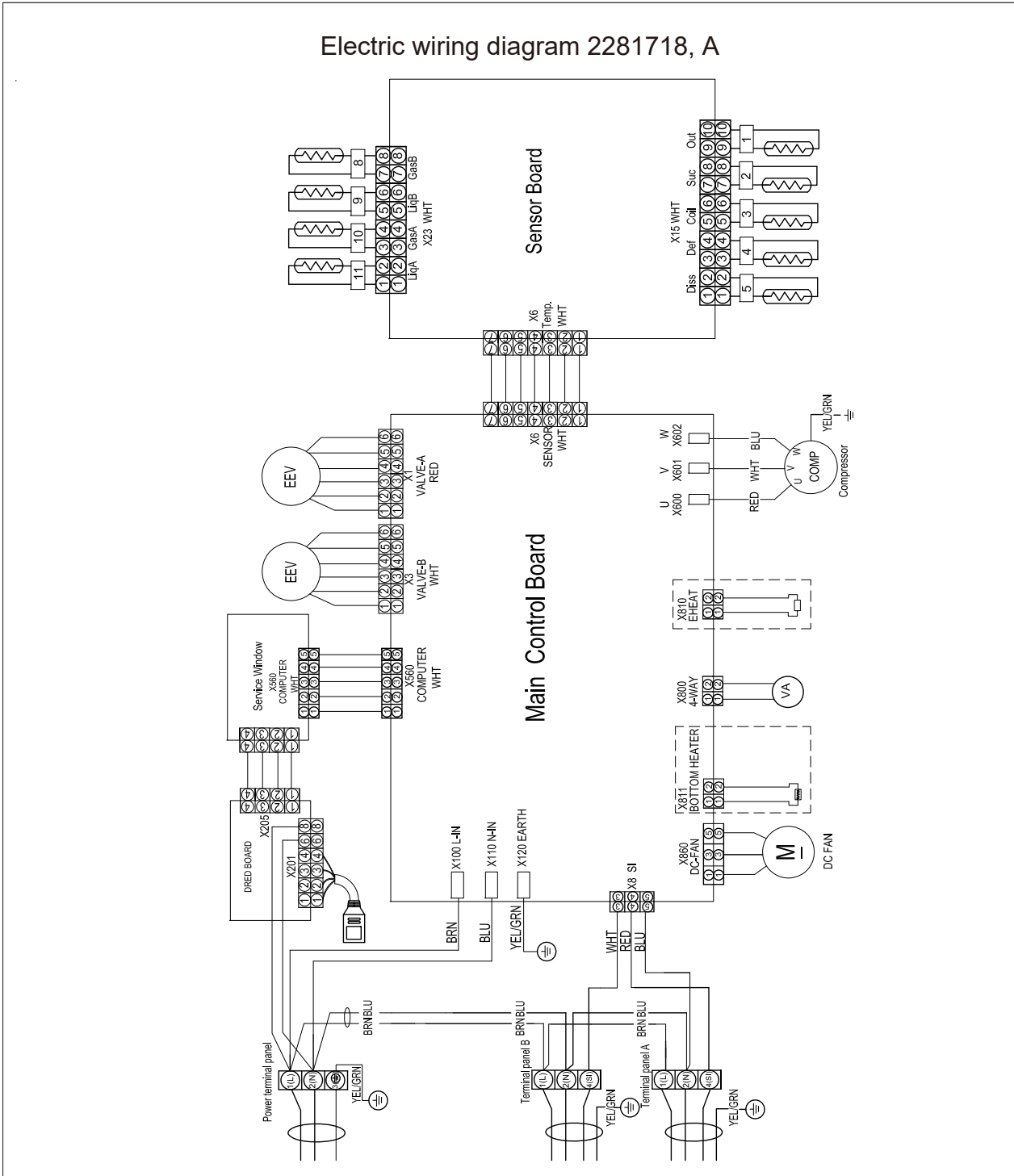
9. WIRING DIAGRAM

9. Wiring diagram

9.1 Electrical wiring diagrams

Outdoor unit

18K

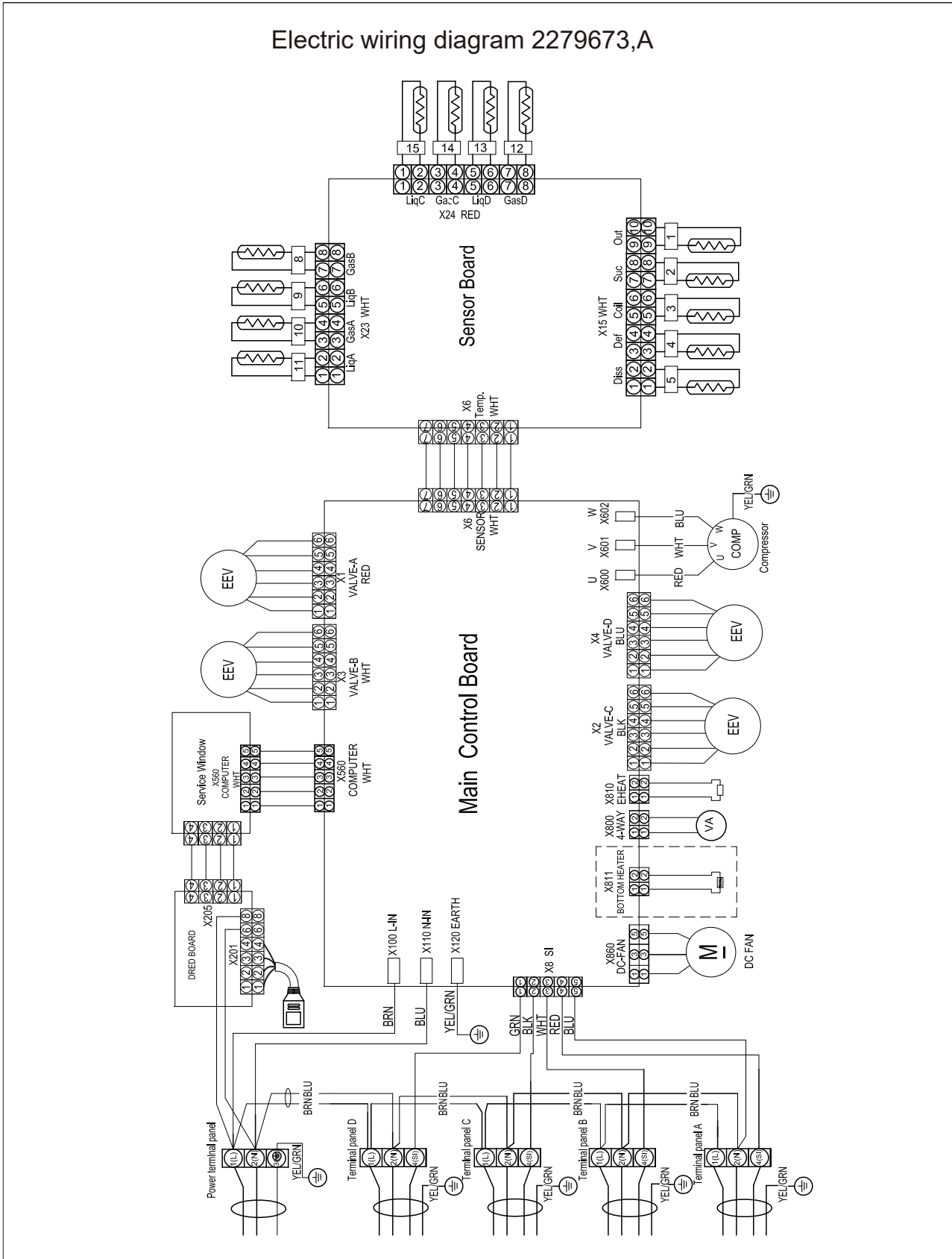


Remark:
Dashed parts are not available in this model.

9. WIRING DIAGRAM

27K

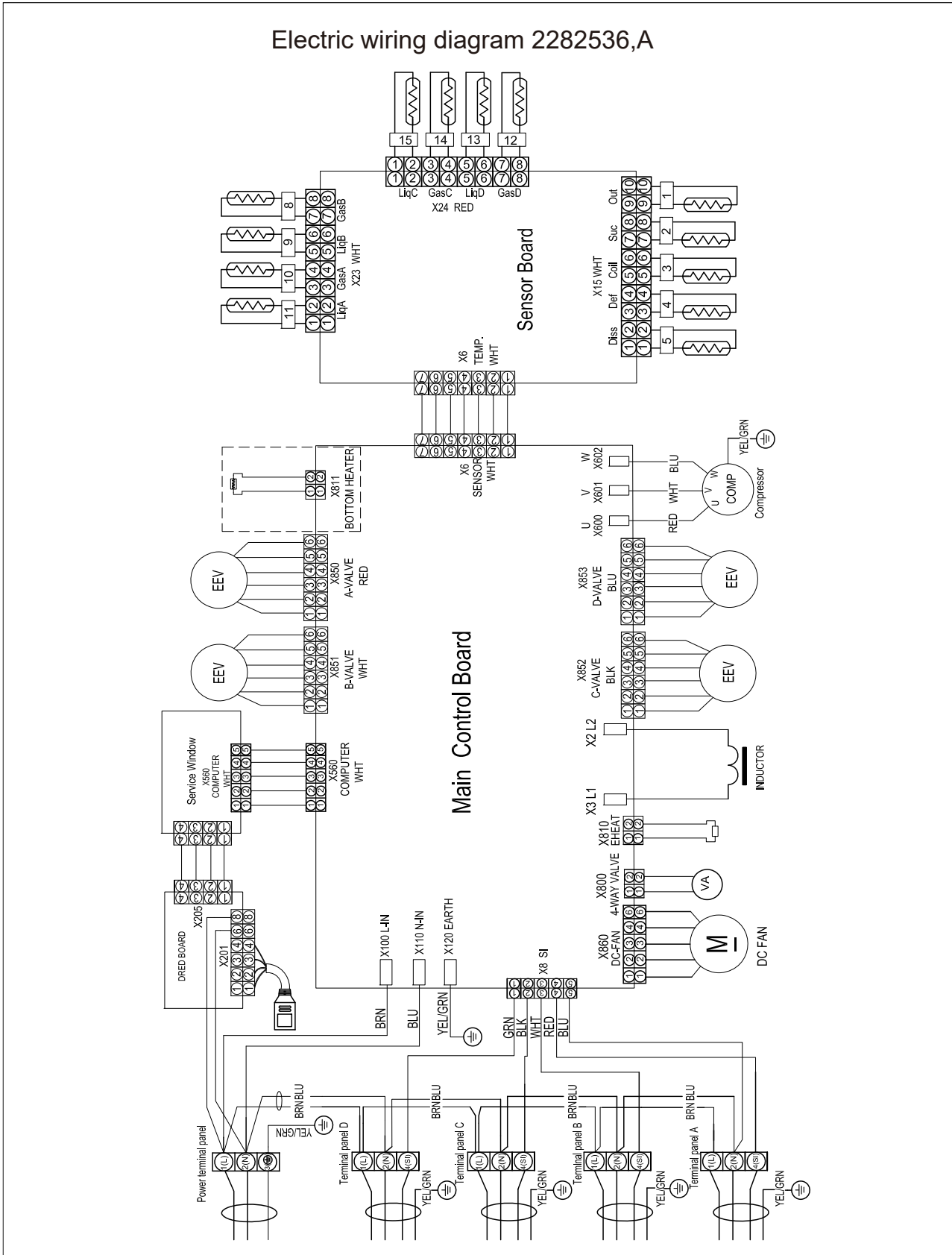
Electric wiring diagram 2279673,A



Remark:
Dashed parts are not available in this model.

9. WIRING DIAGRAM

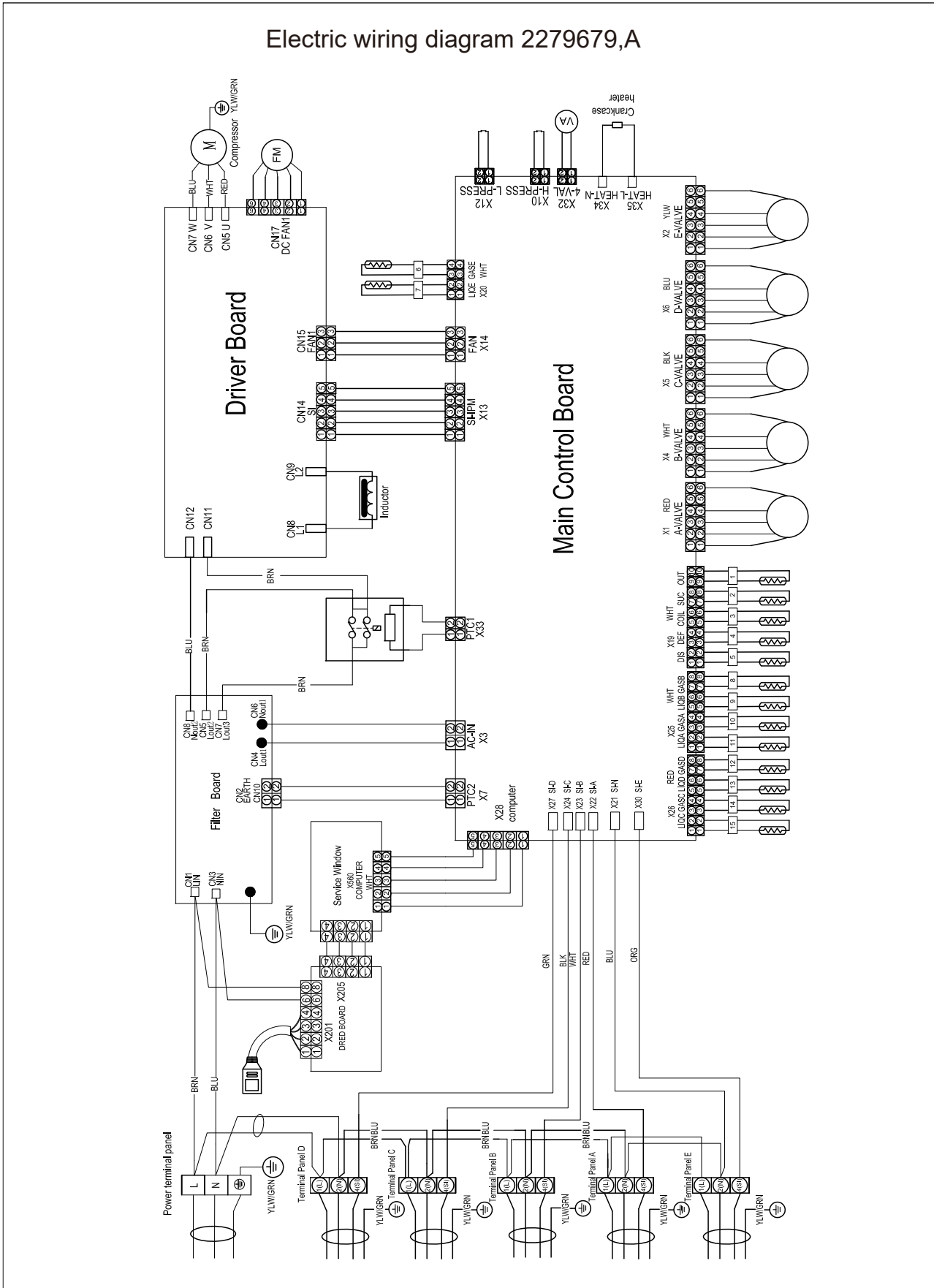
36K



Remark:
Dashed parts are not available in this model.

9. WIRING DIAGRAM

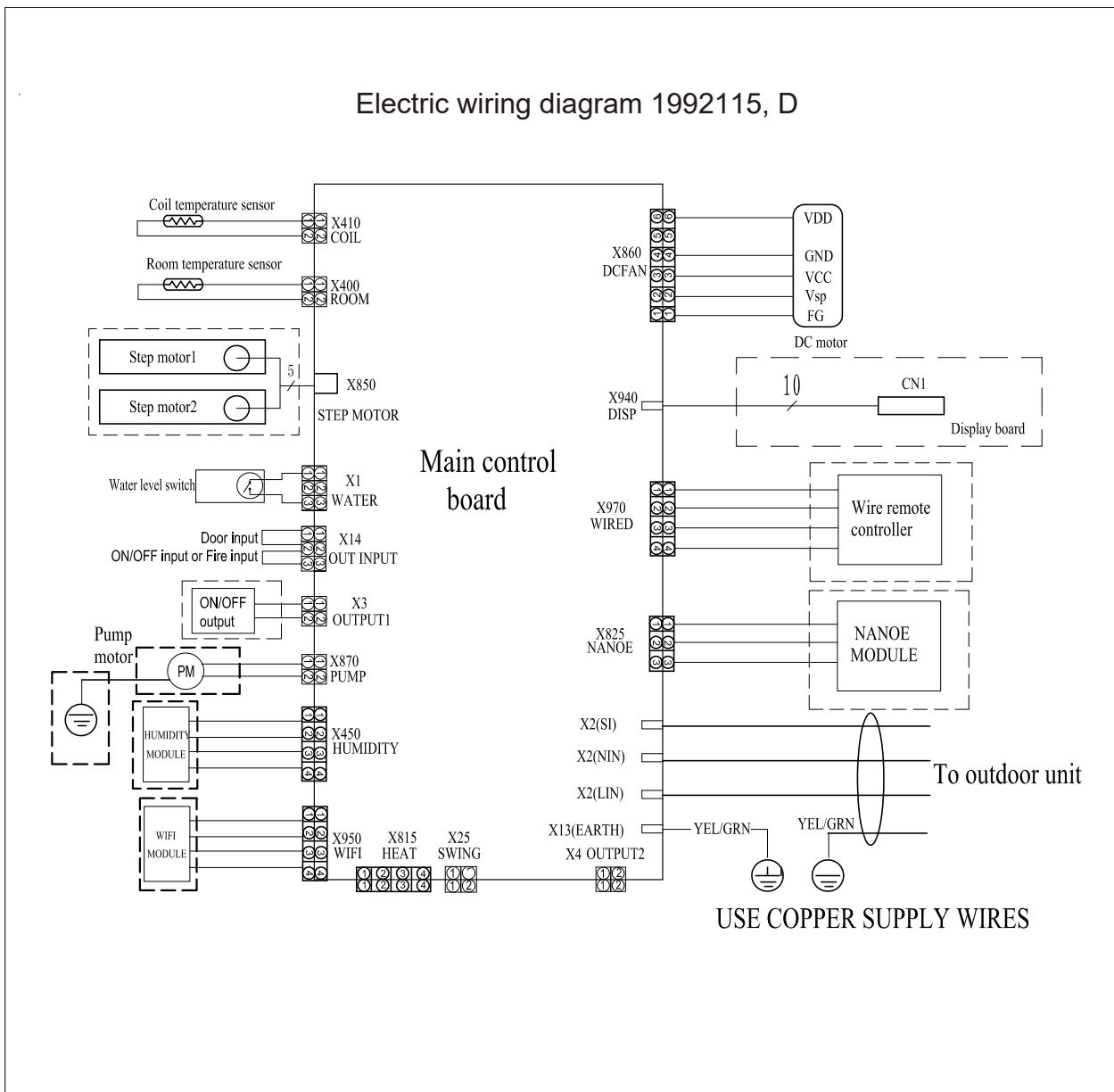
42K



9. WIRING DIAGRAM

Indoor unit

9K~24K



Remark:

Dashed parts are not available in some models.

Details see the table below.

	Indoor units model	Step motor	Pump motor	Humidity	WiFi Module	NANOE Module	Display board	Wired controller	ON/OFF output
Duct	9K~24K		●					●	●

● --available part

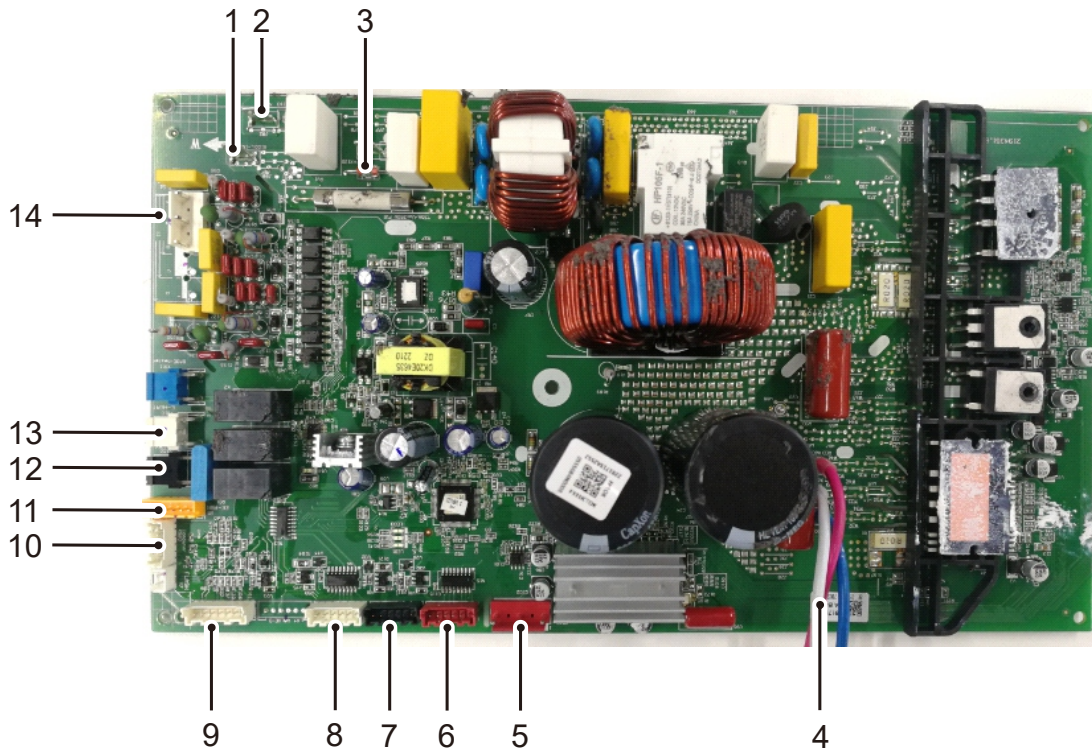
9. WIRING DIAGRAM

9.2 Control board picture

Outdoor unit

18K

Control board

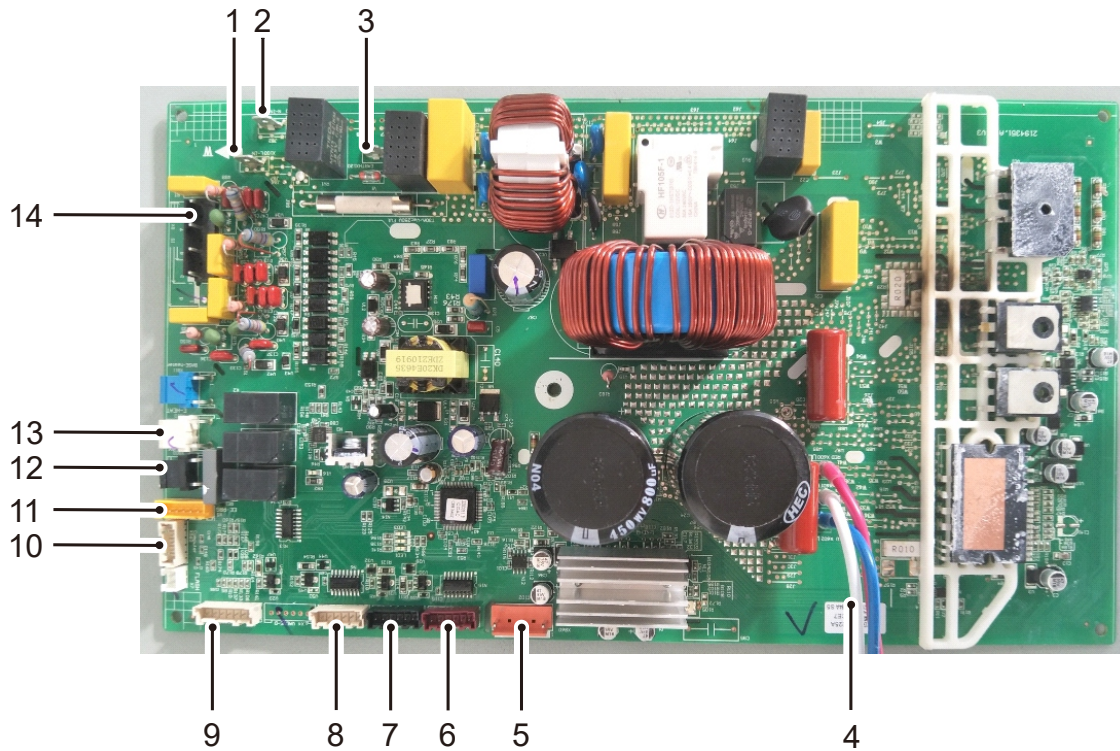


NO.	Description	NO.	Description
1	AC Lin	8	Electric expansion valve B
2	AC Nin	9	Sensor signal
3	Earth	10	Checker/Computer
4	Compressor	11	EEPROM
5	Fan motor	12	4-Way valve
6	Electric expansion valve A	13	Electric heating belt
7	Electric expansion valve C	14	Communication signal to indoor unit

9. WIRING DIAGRAM

24K

Control board

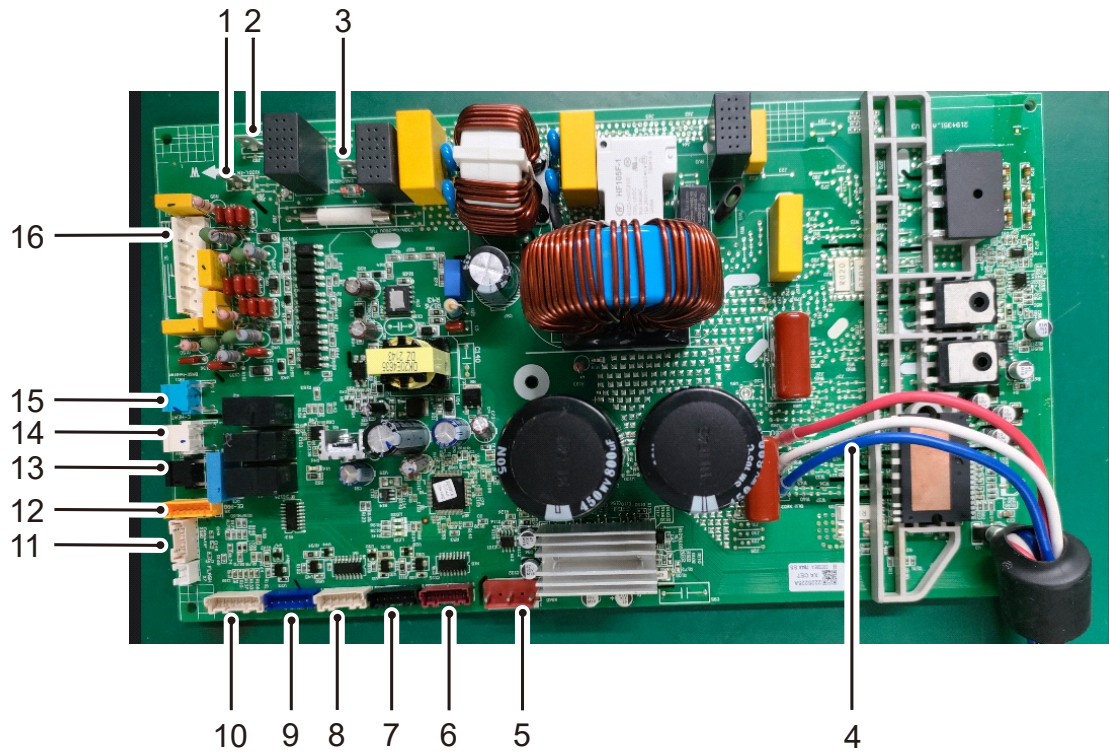


NO.	Description	NO.	Description
1	AC Lin	8	Electric expansion valve B
2	AC Nin	9	Sensor signal
3	Earth	10	Checker/Computer
4	Compressor	11	EEProm
5	Fan motor	12	4-Way valve
6	Electric expansion valve A	13	Electric heating belt
7	Electric expansion valve C	14	Communication signal to indoor unit

9. WIRING DIAGRAM

27K

Control board

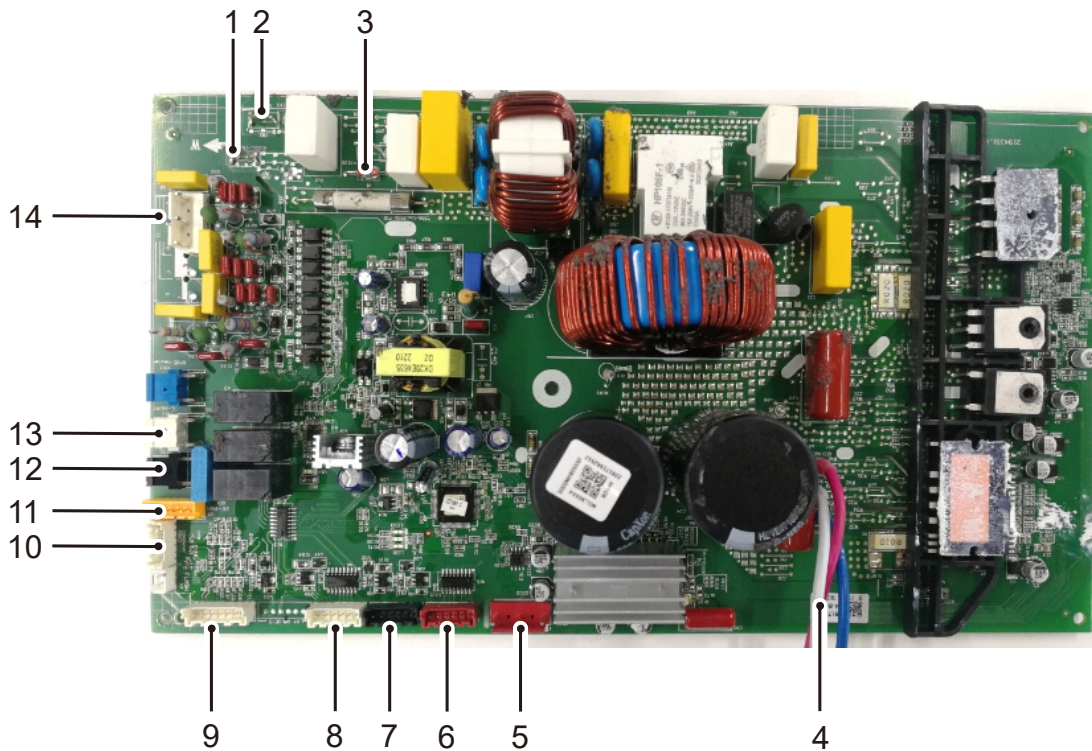


NO.	Description	NO.	Description
1	AC Lin	9	Electric expansion valve D
2	AC Nin	10	Sensor signal
3	Earth	11	Checker/Computer
4	Compressor	12	EEprom
5	Fan motor	13	4-Way valve
6	Electric expansion valve A	14	Electric heating belt
7	Electric expansion valve C	15	Bottom hetater
8	Electric expansion valve B	16	Communication signal to indoor unit

9. WIRING DIAGRAM

36K

Control board

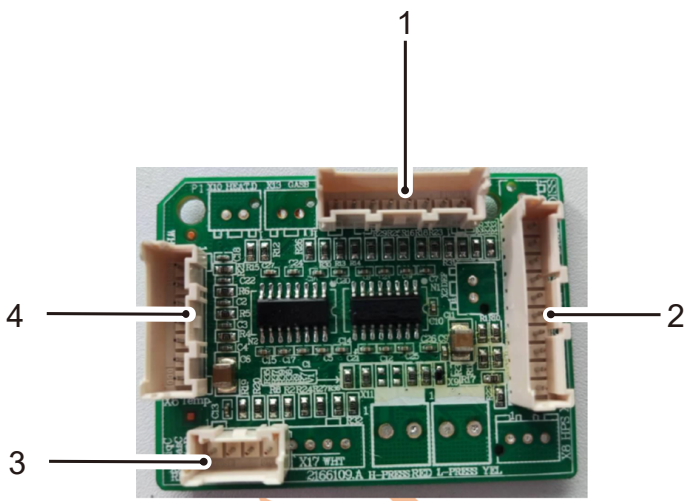


NO.	Description	NO.	Description
1	AC Lin	8	Electric expansion valve B
2	AC Nin	9	Sensor signal
3	Earth	10	Checker/Computer
4	Compressor	11	EEProm
5	Fan motor	12	4-Way valve
6	Electric expansion valve A	13	Electric heating belt
7	Electric expansion valve C	14	Communication signal to indoor unit

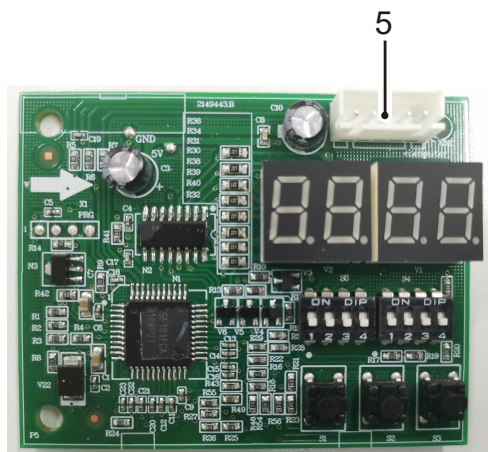
9. WIRING DIAGRAM

18K/24K/27K/36K

Sensor board



Checker board

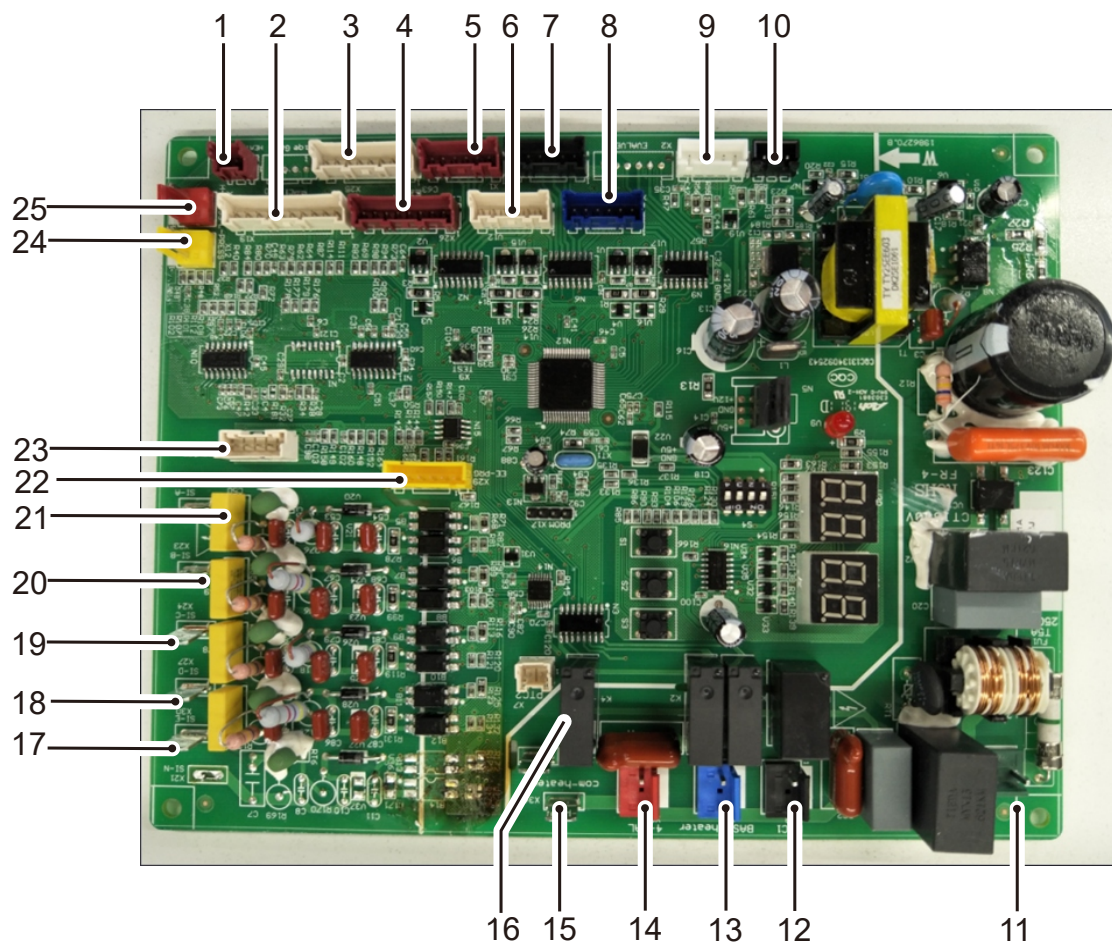


NO.	Description
1	Gas B/Liquid B/Gas A/Liquid A sensor
2	Discharge sensor /Defrost sensor/Coil sensor/Suction sensor /Outdoor sensor
3	Liquid C/ Gas C sensor
4	Sensor Signal to Main Board
5	Communication signal to main board

9. WIRING DIAGRAM

42K

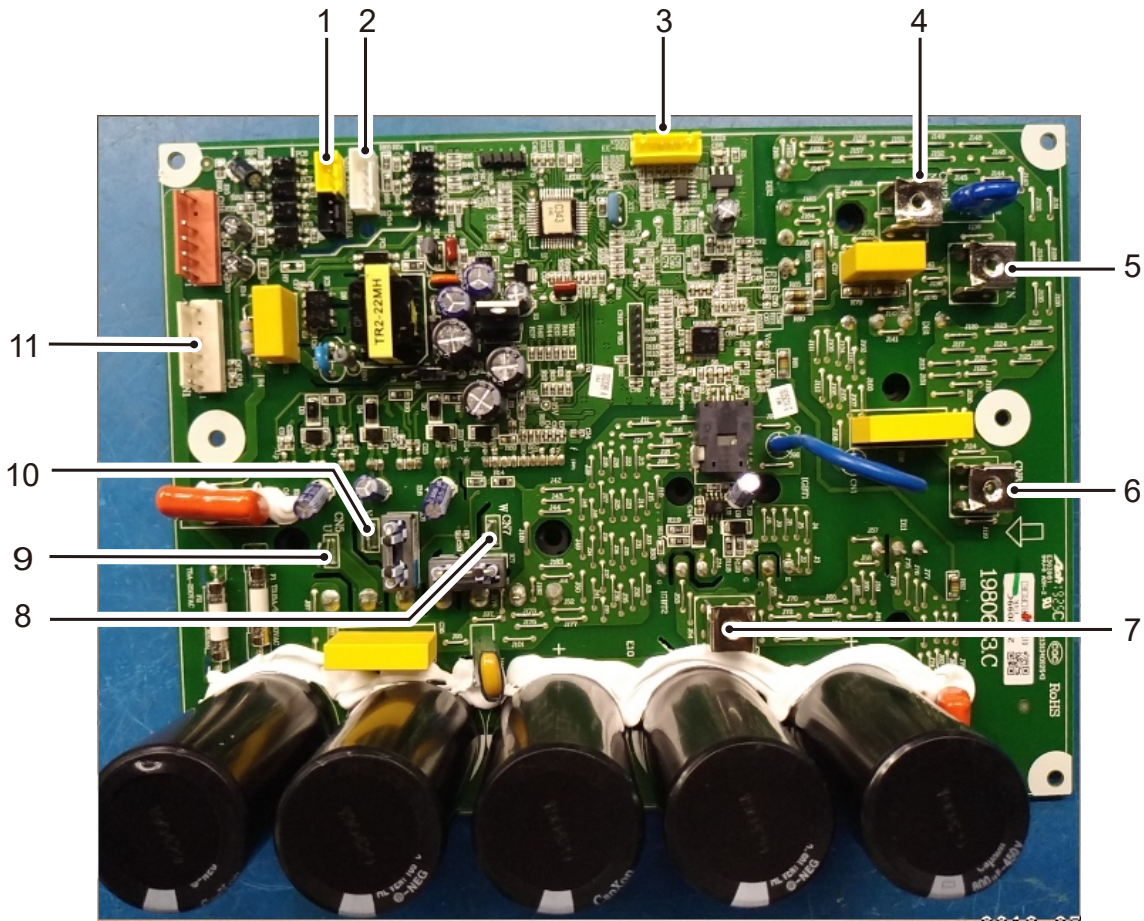
Main control board



NO.	Description	NO.	Description
1	Compressor Overheat Protection Switch	14	4-Way Valve
2	Discharge/Defrost/ Coil/Suction/Ambient Sensor	15	Compressor Heater-N
3	Liquid A/Gas A/ Liquid B/Gas B Sensor	16	Compressor Heater-L
4	Liquid C/Gas C/ Liquid D/Gas D Sensor	17	SI-N
5	Electronic Expansion Valve A	18	SI-D
6	Electronic Expansion Valve B	19	SI-C
7	Electronic Expansion Valve C	20	SI-B
8	Electronic Expansion Valve D	21	SI-A
9	IPM-SI	22	EE
10	Driver	23	Checker/ Computer
11	AC In	24	Reserved
12	AC Contactor	25	High Pressure Switch
13	Reserved		

9. WIRING DIAGRAM

Drive board

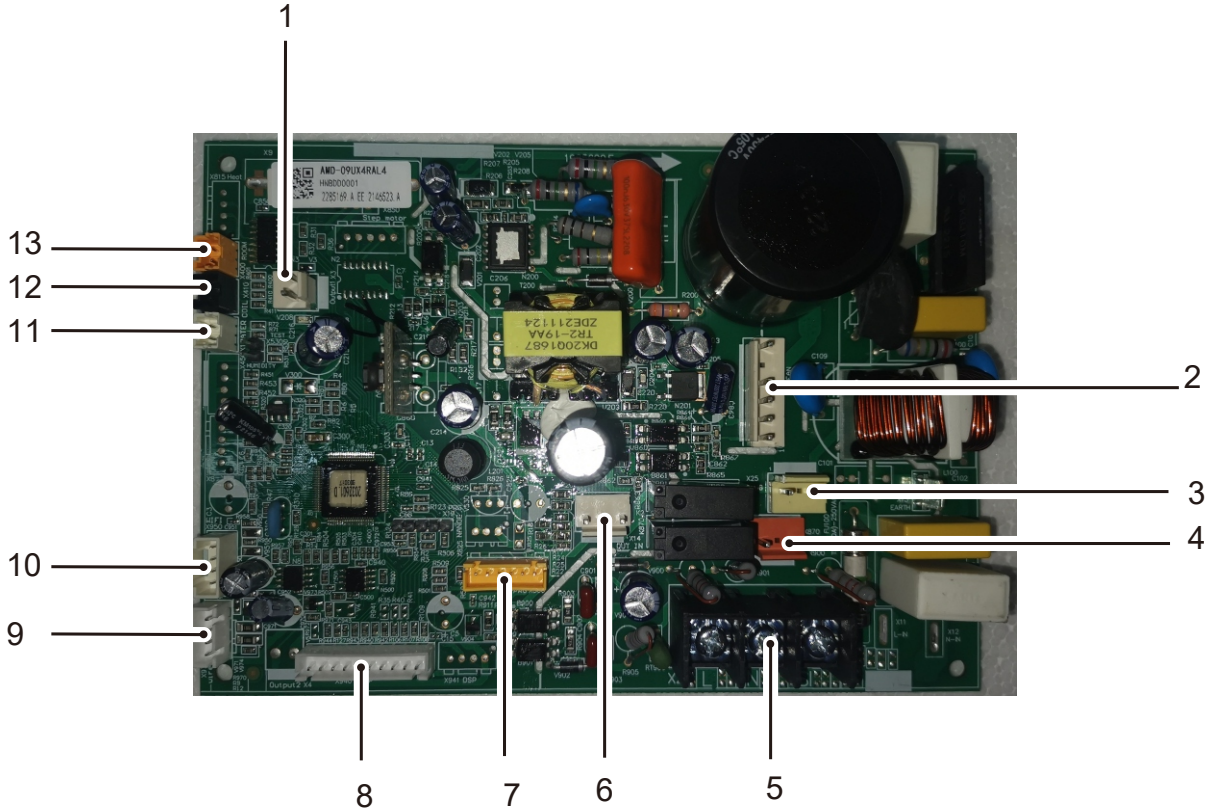


NO.	Description	NO.	Description
1	DC Fan Signal	7	Reactor L2
2	IPM-SI	8	Compressor W
3	EE	9	Compressor U
4	NIN	10	Compressor V
5	LIN	11	Fan Motor
6	Reactor L1		

9. WIRING DIAGRAM

Indoor unit

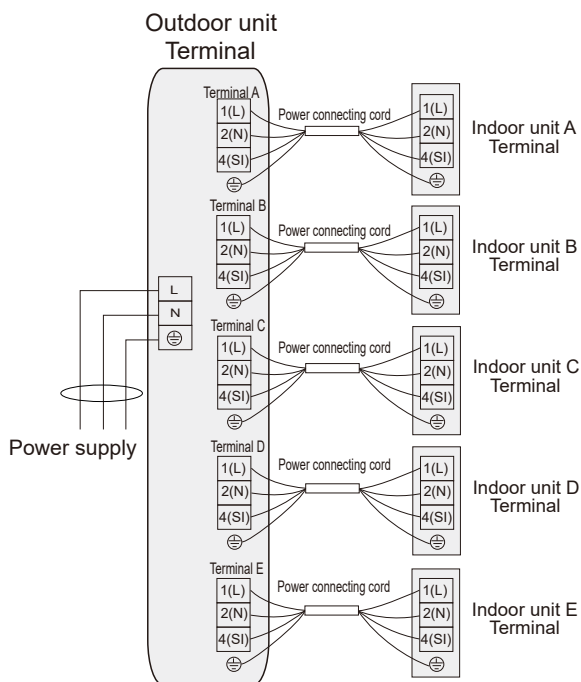
9K~24K



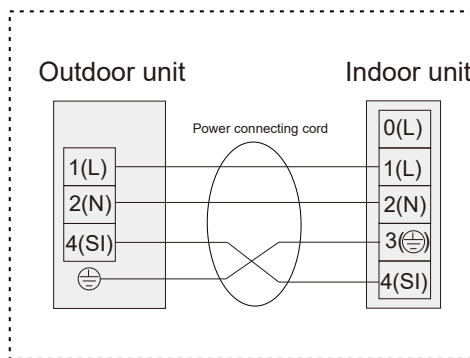
NO.	Description	NO.	Description
1	Out put1	8	Display interface
2	DC fan motor	9	Wired controller
3	Swing motor	10	Wi-Fi interface
4	Pump motor	11	Water level switch
5	L,N,SI-IN	12	Coil temperature sensor
6	OUT-IN	13	Room temperature sensor
7	EE-Program		

9. WIRING DIAGRAM

9.3 Common wiring



NOTE:
For some indoor units



NOTES:
For series up to 2 indoor units, there is no INDOOR UNIT C.

Recommend Wire Size

NOTES:

1. For series up to 2 indoor units, there is no INDOOR UNIT C, D and E.
2. For series up to 3 indoor units, there is no INDOOR UNIT D and E.
3. For series up to 4 indoor units, there is no INDOOR UNIT E.

Electrical Data

Series	Model Capacity	Power Supply	ELB		Power Source Cable Size IEC 60335-1	Transmitting Cable Size IEC 60335-1	Circuit Breaker(A)
			Nominal Current (A)	Nominal Sensitive Current (mA)			
up to 2 indoor units	18K	220-240V ~, 50Hz	20	30	3×2.5mm ²	4×1.5mm ²	20
up to 3 indoor units	24K	220-240V ~, 50Hz	32	30	3×2.5mm ²	4×1.5mm ²	32
up to 4 indoor units	27K/36K	220-240V ~, 50Hz	32	30	3×2.5mm ²	4×1.5mm ²	32
up to 5 indoor units	42K	220-240V ~, 50Hz	50	30	3×6.0mm ²	4×1.5mm ²	50

Max. Running Current(A): REFER TO NAMEPLATE

- Use an ELB (Electric Leakage Breaker).
- Do not operate the system until all the check points have been cleared.
 - (A) Check to ensure that the insulation resistance is more than 2 Mega Ohm, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.
 - (B) Check to ensure that the stop valves of the outdoor unit are fully opened and then start the system.

9. WIRING DIAGRAM

- Pay attention to the following items while the system is running.

Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 90 °C.

Note:

- (1) Follow local codes and regulations when select field wires, and all the above are the minimum wire size.
- (2) Use the wires which are not lighter than the ordinary polychloroprene sheathed flexible cord. (Cord designation H07RN-F).
- (3) The wire sizes marked with *1 in the above table are selected at the maximum current of the unit according to the National Standard, EN60335-1.
- (4) When transmitting cable length is more than 15 meters, a larger wire size should be selected.
- (5) Install main switch and ELB for each system separately. Select the high response type ELB that is acted within 0.1second. Recommended capacity to see table above.
- (6) In the case that power cables are connected in series, add each unit maximum current and select wires below.

Selection According to EN60335-1

Current i(A)	Wire Size (mm ²)
$i \leq 6$	0.75
$6 < i \leq 10$	1
$10 < i \leq 16$	1.5
$16 < i \leq 25$	2.5
$25 < i \leq 32$	4
$32 < i \leq 40$	6
$40 < i \leq 63$	10
$63 < i$	*

*In the case that current exceeds 63A, do not connect cables in series.

10. FIELD SETTING

10. Field setting

10.1 DIP setting

DIP Switch Setting of Outdoor Unit													
<p>DIP S5 is invalid for 42K model.</p> <p>TURN ON all power sources before setting.</p> <p>Mark of "■" indicates the position of DIP switches.</p>													
S4 Dip switch setting	S5 Dip switch setting												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Factory setting</td> <td style="width: 50%; text-align: center;"> </td> </tr> <tr> <td>Pump Down Switch</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Forced defrosting</td> <td style="text-align: center;"> </td> </tr> </table>	Factory setting		Pump Down Switch		Forced defrosting		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Factory setting</td> <td style="width: 50%; text-align: center;"> </td> </tr> <tr> <td>Silence mode</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Cooling Only</td> <td style="text-align: center;"> </td> </tr> </table>	Factory setting		Silence mode		Cooling Only	
Factory setting													
Pump Down Switch													
Forced defrosting													
Factory setting													
Silence mode													
Cooling Only													

1. Force defrosting mode

By default setting is OFF.

OFF -- Automatic defrosting mode

ON ---- Manual defrosting mode

Operation is valid when the dial is switched from OFF to ON state.

OPERATION:

When the outdoor unit runs in heating mode, and the dial is switched from OFF to ON, then it will run the manual defrosting mode once.

2. Silence mode

By default setting is OFF.

OFF ----Normal mode.

ON---- Silence mode

Operation is valid when the dial is ON.

Silence mode:

Under the silence mode, the outdoor unit fan will run in medium fan speed at most. Under the silence mode state, if there is high pressure protection, discharge temp. protection or cooling overload protection, then it will not enter silence mode within 30 minutes.

10. FIELD SETTING

3. Pump down mode (Refrigerant cycle recover)

By default setting is OFF.

OFF ----Normal mode.

ON----Refrigerant recovery mode

Operation is valid when dial is switched from OFF to ON state.

OPERATION: When the outdoor unit runs in cooling mode, the dial is switched from OFF to ON, then it will start the refrigerant recovery mode at once.

Refrigerant recovery mode:

During refrigerant recovery mode, system low pressure protection will not occur, and compressor will stop after 3 minutes, and will turn to normal state when power is on again.

4. Cooling only mode

By default setting is OFF.

OFF ----Cooling only mode is invalid.

ON---- Cooling only mode

Operation is valid when dial is switched from OFF to ON state before power on.

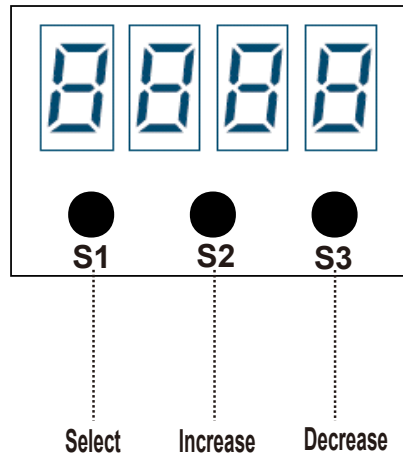
Cooling only mode

Heating mode is invalid during this mode.

10. FIELD SETTING

10.2 Running Parameter Query

Outdoor running parameters can be checked by 7 segment display.



There are 3 buttons on the 7-segment display board:

1) Select button: Select to display outdoor/indoor unit parameter.

- "P." -- Parameter of outdoor unit
- "A." -- Parameter of indoor unit A
- "b." -- Parameter of indoor unit B
- "C."-- Parameter of indoor unit C
- "d." -- Parameter of indoor unit D
- "E." -- Parameter of indoor unit E

2) INCREASE button : Each time it is pressed, the number rises by 1.

3) DECREASE button : Each time it is pressed, the number lowers by 1.

The parameter content will automatically display after the parameter code is selected for 3s.

Parameters can be checked as the table below.

Parameter Code	Descriptions	Parameter Code	Descriptions
P.0	Fault codes	A.1	Unit A fault codes
P.1	Compressor frequency	A.2	Unit A valve actual opening
P.4	Compressor target frequency	A.4	Unit A liquid pipe temperature
P.5	Compressor exhaust temperature	A.5	Unit A gas pipe temperature
P.6	Outdoor suction temperature	A.6	Unit A coil temperature
P.7	Outdoor ambient temperature	A.7	Unit A ambient temperature
P.8	Outdoor coil temperature	A.8	Unit A set temperature
P.9	Outdoor defrosting temperature	A.9	Unit A capacity
P.10	IPM module temperature		
P.11	Outdoor capacity requirement		
P.12	IPM fault codes	B.1	Unit B fault codes
P.13	Outdoor DC Motor target speed	B.2	Unit B valve actual opening
P.14	AC input current	B.4	Unit B liquid pipe temperature
P.15	AC input voltage	B.5	Unit B gas pipe temperature
P.18	Frequency limit code	B.6	Unit B coil temperature
		B.7	Unit B indoor temperature
		B.8	Unit B set temperature
		B.9	Unit B capacity

10. FIELD SETTING

Parameter Code	Descriptions	Parameter Code	Descriptions
C.1	Unit C fault codes	D.1	Unit A fault codes
C.2	Unit C valve actual opening	D.2	Unit A valve actual opening
C.4	Unit C liquid pipe temperature	D.4	Unit A liquid pipe temperature
C.5	Unit C gas pipe temperature	D.5	Unit A gas pipe temperature
C.6	Unit C coil temperature	D.6	Unit A coil temperature
C.7	Unit C indoor temperature	D.7	Unit A indoor temperature
C.8	Unit C set temperature	D.8	Unit A set temperature
C.9	Unit C capacity	D.9	Unit A capacity
E.1	Unit E fault codes		
E.2	Unit E valve actual opening		
E.4	Unit E liquid pipe temperature		
E.5	Unit E gas pipe temperature		
E.6	Unit E coil temperature		
E.7	Unit E indoor temperature		
E.8	Unit E set temperature		
E.9	Unit E capacity		

Note: The right is therefore reserved to EE changing without notice.

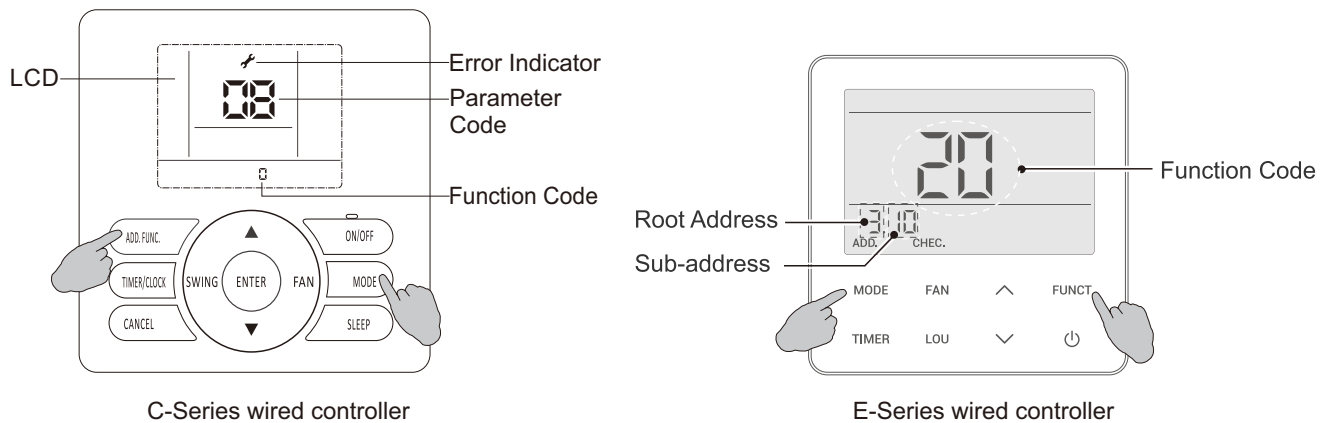
10. FIELD SETTING

10.3 ESP setting (Duct type only)

The static pressure can be freely adjusted by using specific wire remote controller.

Model (Btu/h)	The range of ESP	Function code set
9K	0-30Pa	0-30, function code value equals static pressure value [default: 10 (10Pa)]
12K/18K	0-50Pa	0-50, function code value equals static pressure value [default: 35 (35Pa)]
24K	0-40Pa	0-40, function code value equals static pressure value [default: 40 (40Pa)]

Note: The pressure loss of filter is not included in the ESP data above.



ESP setting (C-Series wired controller):

- 1 Press and hold "MODE" button and "ADD.FUNC." button for 3 seconds, symbol ⚡ and parameter code starts blinking at the same time.
- 2 Press "▲/▼" button to adjust parameter number until "17" is displayed, and press "ENTER" button to enter system parameter adaption state, symbol ⚡ stops blinking.
- 3 Select desired parameter code 10 by pressing "▲/▼" button, and press "ENTER" button to confirm.
- 4 Select desired function code to rewrite the parameter values by pressing "▲/▼" button, and press "ENTER" button to confirm.
- 5 Press "ON/OFF" button or "CANCEL" button to quit.

ESP setting (E-Series wired controller):

- 1 Press both "FUNCT" button and "MODE" button for 3 seconds, to enter the parameter self-setting state. Then, icon "ADD." and "CHEC." will be always on.
- 2 Press "MODE / TIMER" button to set root address as "3".
- 3 Press the "FAN" / "LOU" button to increase or decrease the sub-address, and select the desired sub-address value 10.
- 4 Press the " ^ " / " v " button to select desired parameters, and press "FUNCT" button to confirm.
- 5 Press ⏻ button to quit.

If you still have any trouble, please contact local technical service center of our company for further information.

10. FIELD SETTING

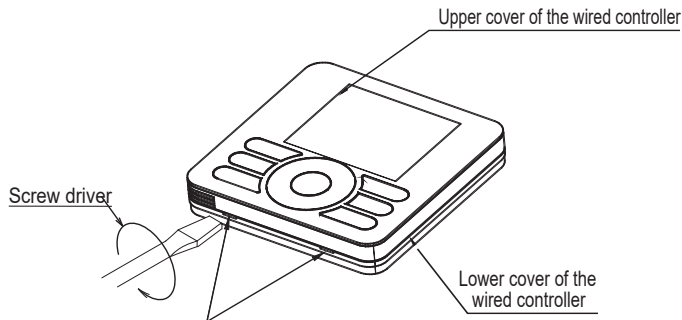
10.4 Indoor unit parameter revision

Internal control parameter adjustment can be performed using wired controller.

C-Series wired controller

1) Connecting wired controller with the indoor unit

Step 1: Remove the upper cover of the wired controller

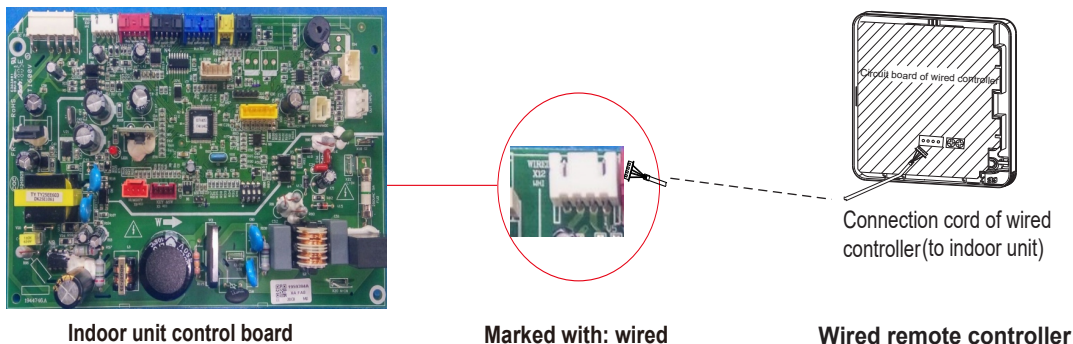


Insert a normal screw driver into the position, and gently rotate it. In this way, the upper cover can be easily removed.

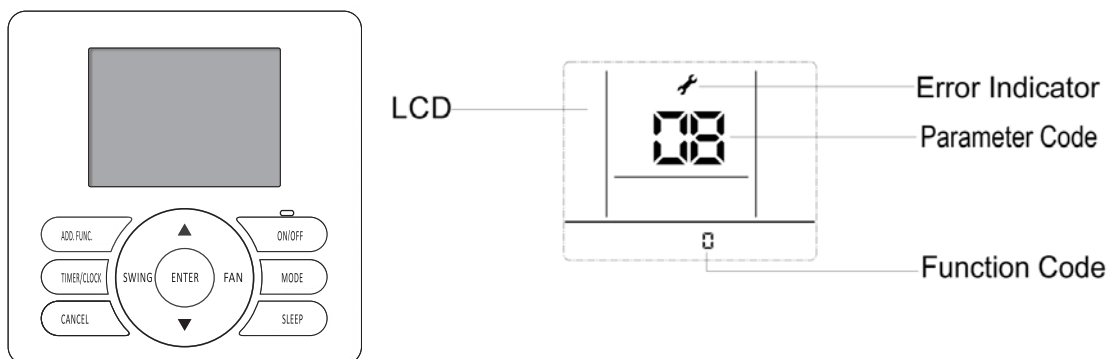
NOTE:

Control board of the remote controller is placed on upper cover. Please protect it from being scratched during removal and installation!



Step 2: Connect the wired controller with the indoor unit



2) Changing system parameter



OPERATION:

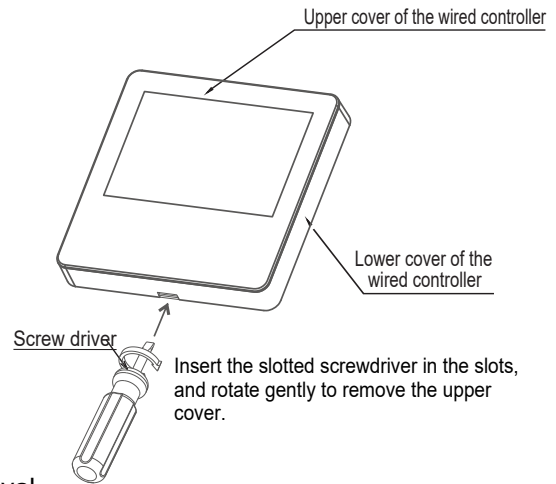
- ① Hold down both "MODE" button and "ADD.FUNC." button for 3 seconds, symbol  and parameter number blink at the same time.
- ② Press "▲" / "▼" button to adjust parameter number until "17" is displayed. And press "ENTER" button to enter system parameter adaption state and symbol  stops blinking, parameter number blinks.
- ③ Select desired parameter code by pressing "▲" / "▼" button following the table below, and press "ENTER" button to confirm.
- ④ Select desired function code by pressing "▲" / "▼" button, and press "ENTER" button to confirm.

10. FIELD SETTING

E-Series wired controller

1) Connecting wired controller with the indoor unit

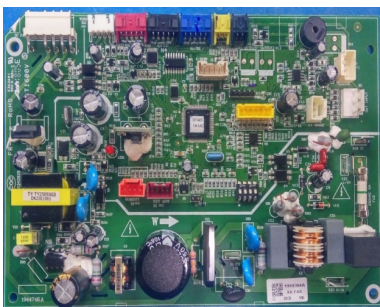
Step 1: Remove the upper cover of the wired controller



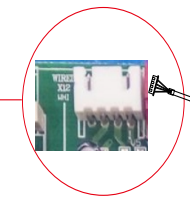
NOTE:

Control board of the remote controller is placed on upper cover. Please protect it from being scratched during removal and installation!

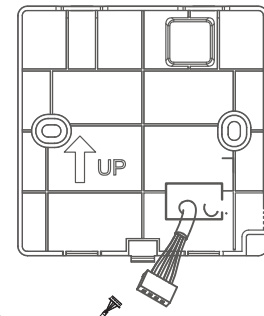
Step 2: Connect the wired controller with the indoor unit



Indoor unit control board



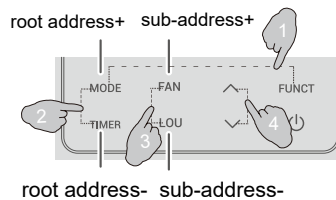
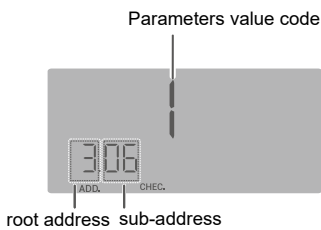
Marked with: wired



Connection cord of wired controller (to indoor unit)

Wired remote controller

2) Changing system parameter



OPERATION:

1. Press and hold the “FUNCT” and “MODE” button for 3s at the same time to enter the parameter self-setting state, Then the “CHECK.” and “ADD.” icon will be always on.
2. Press the “MODE” / “TIMER” button to increase or decrease the root address as 3.
3. Press the “FAN” / “LOU” button to increase or decrease the sub-address, and select the desired sub-address value.
4. Press the “^”/“v” button to set parameters, and press “FUNCT” button to confirm.
5. Press the “⏻” button to exit without settings.

10. FIELD SETTING

PARAMETER CODE	PARAMETER DESCRIPTION	PARAMETER VALUE&REPRESENTATION		NOTE
		DATA TYPE	REPRESENTATION (FUNCTION CODE)	
1	Self Recovery of Power Break	Integer	0: Cancel Self Recovery of Power Break function; 1: Self Recovery of Power Break; others: invalid	
2	Temperature Type	Integer	0: Centigrade Temperature; 1: Fahrenheit Temperature; others: invalid	
3	Temperature Display Type	Integer	0: Default display set temperature; 1: Default display room temperature; others: invalid	
4	Ratio of ambient temperature sensed by indoor temperature sensor(cooling mode)	Integer	0~10valid, more than 10 default is10 0: 0%; 1: 10%; ...; 10: 100%	0-entirely use. temperature.sensed by wired.remote controller;.10-entirely use.temperature.sensed by indoor.unit
5	Filter Clean Indication	Integer	0: Cancel Filter Clean prompt function; 1: Set Filter Clean prompt function; others: invalid	
6	Filter Clean Time Set	Integer	0~32, more than 32 default is 32*1000h	
7	Installation Height Compensation	Integer	0~10m, more than 10m default is 10. =0,1,2 :no fan speed compensation; =3: increase fan speed; =4~10: increase more fan speed.	
8	Cooling Temperature Compensation (indoor unit temperature sensor)	Integer	0 : 0°C ; 1 :-0.5°C ; 2 :-1°C ; 3 :-1.5°C ; 4 :-2°C ; 5 :-2.5°C ; 6 :-3°C ; 7 :-3.5°C ; 8 :-4°C ; 9 :-4.5°C ; 10 :-5°C.(the wired controller displays integer with the symbol)	
9	Heating Temperature Compensation (indoor unit temperature sensor)	Integer	0 : 0°C ; 1 :-0.5°C ; 2 :-1°C ; 3 :-1.5°C ; 4 :-2°C ; 5 :-2.5°C ; 6 :-3°C ; 7 :-3.5°C ; 8 :-4°C ; 9 :-4.5°C ; 10 :-5°C.(the wired controller displays integer with the symbol)	
10	Static Pressure Set	Integer	1~240, function code=static pressure more than the limit static pressure default the limit static pressure, Default is 0(default static pressure, related to models)	Duct type (DC motor)
12	Ratio of temperature sensed by indoor temperature sensor(Heating mode)	Integer	0~10valid, more than 10 default is10 0: 0%; 1: 10%; ...; 10: 100%	0-entirely use. temperature.sensed by wired.remote controller;.10-entirely use.temperature.sensed by indoor.unit
13	Temperature Adjustment-Cooling	Character	-10~10°C (Single Character with symbol)	Temperature displayed on wired controller
14	Temperature Adjustment-Heating	Character	-10~10°C (Single Character with symbol)	Temperature displayed on wired controller

10. FIELD SETTING

PARAMETER CODE	PARAMETER DESCRIPTION	PARAMETER VALUE&REPRESENTATION		NOTE
		DATA TYPE	REPRESENTATION (FUNCTION CODE)	
25	Access control, fire protection, ON/OFF function set	Integer	=0, Access control, fire protection functions are all invalid; =1, Access control1 function is valid; =2, fire protection function is valid; =3, Access control1, fire protection are all valid; =4, ON/OFF1 function is valid; =5, ON/OFF2 function is valid; =6, Access control2, fire protection are all valid; =7, Access control3, fire protection are all valid;	
26	Constant air volume	Integer	0: Constant air volume function is invalide; 1: Constant air volume function is valid.	
27	Hi-NANO function	Integer	0: Hi-NANO function is valid; 1: Hi-NANO function is invalid.	

10. FIELD SETTING

10.5 Instructions for the function setting of access control, fire protection, ON/OFF

10.5.1 Factory setting

ON/OFF function is disabled as factory default while both the access control and fire protection functions are enabled.

To use or cancel the access control / fire protection / (ON/OFF) function, use the wired controller to modify the parameters of indoor unit.

Note:

Please refer to “Indoor unit parameter revise” section in TC Manual for how to use the wired controller to modify the parameters of indoor unit.

10.5.2 Function introduction

(1) Access control:

Control mode to control the machine startup & shutdown based on the ON and OFF state of the access control port.

(2) Fire protection:

Control mode to control the machine startup & shutdown based on the ON and OFF state of the fire protection port.

(3) ON/OFF:

Special control mode to achieve the control of indoor unit startup & shutdown based on the input state of the fire protection port of the indoor unit (no other way can control startup & shutdown) and output the fault status of indoor unit through OUTPUT1 port.

10.5.3 Function setting

(1) Hardware connection

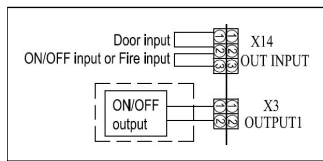


Figure 1 electrical wiring diagram



Figure 2 short wiring



Figure 3 main control board

3 pins of the OUT INPUT X2 socket shown in the electrical wiring diagram of Figure 1 will be in short circuited state by default factory setting (an external short circuit plug shown in Figure 2, and the OUT INPUT X2 socket of main control board as shown in Figure 3).

(Note: the socket number in circuit is subject to the actual serial number of PCB.)

10. FIELD SETTING

- 1) When using the door lock function, the red wire should be cut and connected to the door lock control switch attached to it (supplied by user), and the connecting wire should be 22AWG or above. In normal conditions, the unit operates normally once the switch is closed and shuts down once the switch is off.
- 2) When using the fire protection function, the white wire should be cut and connected to the fire protection lock control switch attached to it (supplied by user), and the connecting wire should be 22AWG or above.
In normal conditions, the unit operates normally once the switch is closed and shuts down once the switch is off.
- 3) When using the ON/OFF function, the white wire should be cut and connected to the door lock control switch attached to it (supplied by user), and the connecting wire should be 22AWG or above. In normal conditions, the unit operates normally once the switch is closed and shuts down once the switch is off.

(2) Timing sequence description:

- 4) Access control
 - 1) Control of entrance card disconnection: the air conditioner will shut down if the access control signal is disconnected for 30 seconds. In this state, the indoor unit cannot start. If the user performs start operation, the wired controller will not respond and displays power-off status.
 - 2) Control of entrance card connection: after the closed circuit of entrance card interface, power-on restrictions are released, the wired controller maintains power-off and the startup & shutdown control is enabled.
- Fire protection
 - 1) Access to fire protection: the air conditioner will shut down and stop blowing air after the access control signal is disconnected for 3 seconds. In this state, the indoor unit cannot be started. If the user performs start operation, the wired controller shall not respond and displays power-off status.
 - 2) Cancellation of fire protection: after the short circuit of fire protection signal, release power-on restrictions, the wired controller maintains power-off status and the startup & shutdown control is enabled.
- ON/OFF
 - 1) In the situation where ON/OFF function is enabled, the port is closed and in short circuit, the indoor unit starts; the indoor unit shuts down once the port is disconnected;
 - 2) Other operation information (such as mode, air speed, air door, and so on.) except for startup & shutdown can be set through the wired controller, remote-controller and WIFI module, priority is given to the latest command received.
 - 3) In the mode of ON/OFF function, wired controller, remote-controller, WIFI module and access control cannot control the unit startup & shutdown, neither the operation mode, timer or sleeping mode.
 - 4) There will be 12V signal output when machine fault occurs.

(3) Relative priorities of instructions

ON/OFF has the highest priority. The access control function shall be disabled when ON/OFF is enabled. Access control and fire prevention functions shall not affect each other.

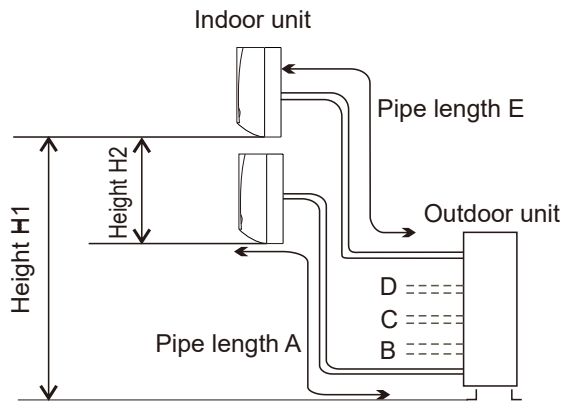
NOTE:

Figures in the manual are only simple representation of the control board, it's may not comply with the appearance that you purchased.

11. PIPING WORK AND REFRIGERANT CHARGE

11. Piping work and refrigerant charge

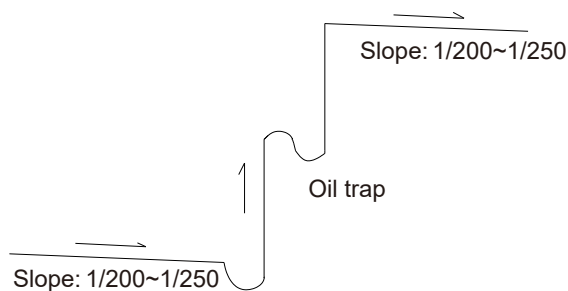
11.1 MAX. length allowed



Item	Model	Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 5 indoor units
		18K	24K	27K/36K	42K
Piping to each indoor unit (A/B/C/D/E)	m	≤20	≤25	≤25	≤25
Total length of piping between all units	m	A+B≤30	A+B+C≤50	A+B+C+D≤60	A+B+C+D+E≤80
Max height between indoor unit and outdoor unit (H1)	m	≤15			
Max height between indoor units (H2)	m	≤7.5			

11.2 Oil trap

When the indoor unit is lower than outdoor unit and the height difference is larger than 5m, set an oil trap every 5m (height difference) on suction piping.



NOTE:

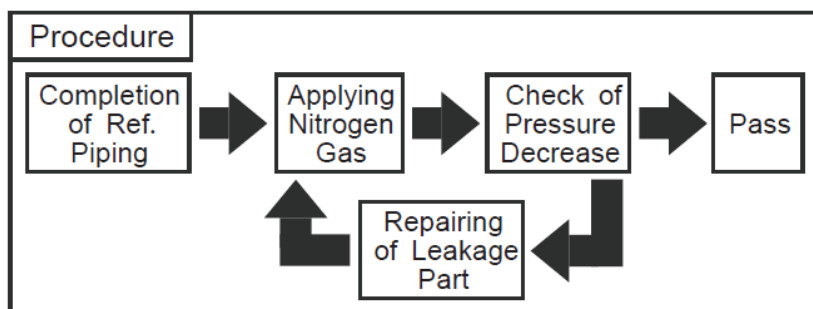
- 1) To avoid storing too much oil in the oil trap, the oil trap should be as short as possible.
- 2) The horizontal piping should slope down along the refrigerant flow direction, to bring the oil back to compressor, the slope is about 1/200 to 1/250.
- 3) In order to ensure better cooling/heating performance, the refrigerant piping should be as short and straight as possible.

11. PIPING WORK AND REFRIGERANT CHARGE

11.3 Air tight test

Do use nitrogen when performing air-tight test.

Connect the gauge manifold using charging hoses with a nitrogen cylinder to the check joints of the liquid line and the gas line stop valves. Perform the air-tight test. Don't open the gas line stop valves. Apply nitrogen gas pressure of 4.15MPa. Check for any gas leakage at the flare nut connections, or brazed parts by gas leak detector or foaming agent. It is OK when the gas pressure does not decrease. After the air tight test, release nitrogen gas.



Air tight procedure

11.4 Additional refrigerant charge

Although refrigerant has been charged into this unit, additional refrigerant charge is required according to piping length.

- The additional refrigerant precharge quantity should be determined and charged into the system according to the following procedure.
- Record the additional refrigerant quantity in order to facilitate maintenance and servicing activities.

Refrigerant charge before shipment (W0 (kg))

W0 is the outdoor unit refrigerant charge before shipment;

Xg is additional refrigerant the outdoor unit needs according to piping length during installation.

Model	Refrigerant pre-charged before shipment (W0(g))
18K	1350
24K	1460
27K	1750
36K	2000
42K	3000

Additional refrigerant charge

For 18K:

Additional refrigerant charge = $(L-15) \times 12g/m$

For 24K:

Additional refrigerant charge = $(L-20) \times 12g/m$

For 27K/36K:

Additional refrigerant charge = $(L-30) \times 12g/m$

For 42K:

Additional refrigerant charge = $(L-35) \times 12g/m$

12. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

12. Installation tools and installation flow chart

12.1 Necessary tools and instrument list for installation

No.	Tool	No.	Tool	No.	Tool	No.	Tool
1	Handsaw	6	Copper Pipe Bender	11	Spanner	16	Leveler
2	Phillips Screwdriver	7	Manual Water Pump	12	Charging Cylinder	17	Clamper for Solderless Terminals
3	Vacuum Pump	8	Pipe Cutter	13	Gauge Manifold	18	Hoist (for Indoor Unit)
4	Refrigerant Gas Hose	9	Brazing Kit	14	Cutter for Wires	19	Ammeter
5	Megohmmeter	10	Hexagon Wrench	15	Gas Leak Detector	20	Voltage Meter

Use specified tools and measuring instruments only for the new refrigerant.

◇: Interchangeability is available with R410A

●: Only for Refrigerant R32

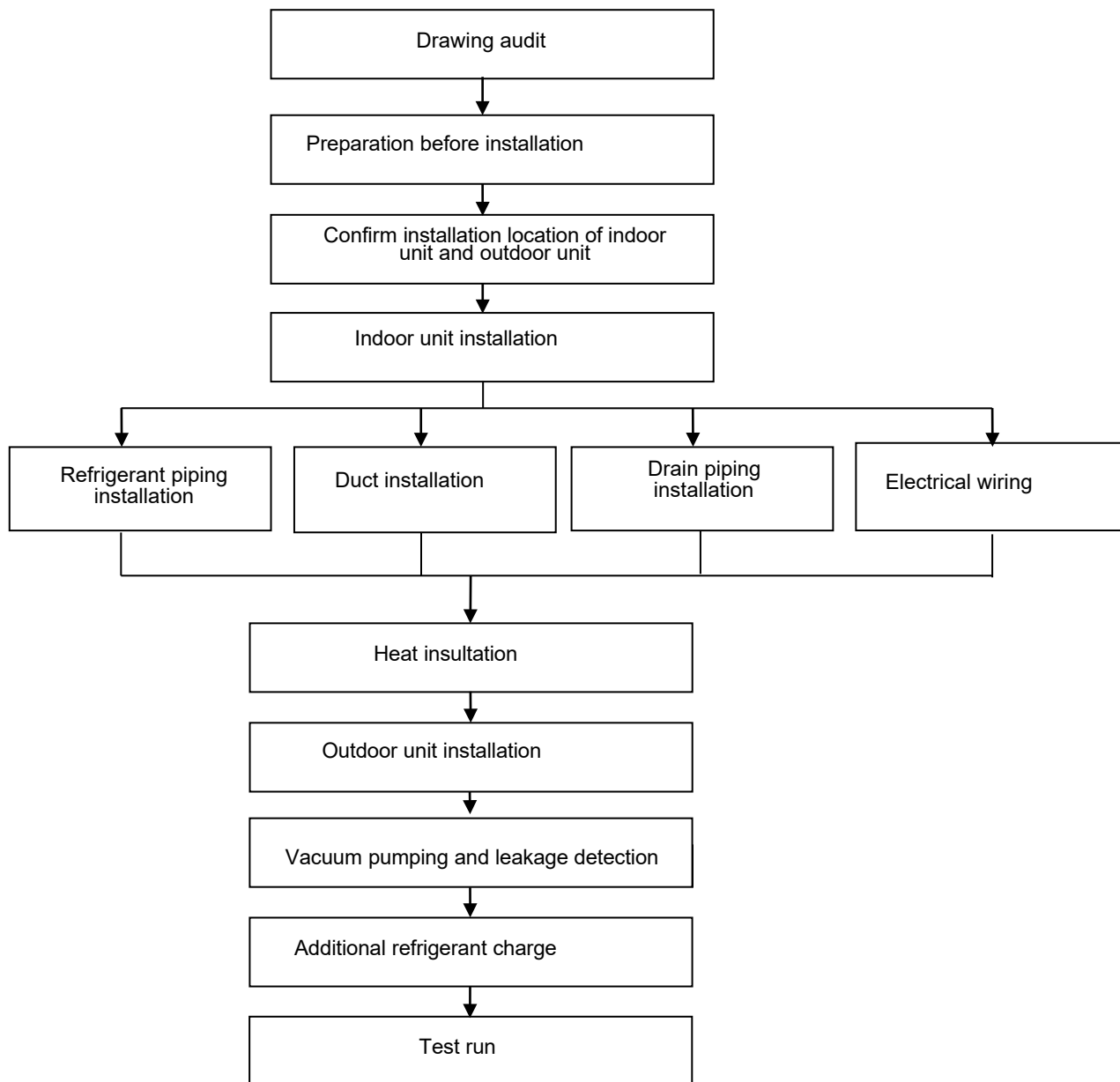
×: Prohibited

◆: Only for Refrigerant R22

Measuring Instrument and Tool for R410A		R32	R22	Reason of Non-Interchangeability and Attention (*: Strictly Required)	Use
Refrigerant Pipe	Pipe Cutter Chamfering Reamer	◇	◇	-	Cutting Pipe Removing Burrs
	Flaring Tool	◇	◇	* The flaring tools for R32 are applicable to R22/R410A. * If using flaring tube, make dimension of tube larger for R410A. * In case of material 1/2H, flaring is not available.	Flaring for Tubes
	Pipe Bender	◇	◇	* In case of material 1/2H, bending is not available. Use elbow for bend and braze.	Bending
	Expanding Tool	◇	◇	* In case of material 1/2H, expanding of tube is not available. Use socket for connecting tube.	Expanding Tubes
	Torque Wrench	◇	×	* For ϕ 1/2, ϕ 5/8, spanner size is up 2mm.	Connection of Flare Nut
		◇	◇	* For ϕ 1/4, ϕ 3/8, ϕ 3/4, spanner size is the same.	
	Brazing Tool	◇	◇	* Perform correct brazing work.	Brazing for Tubes
	Nitrogen Gas	◇	◇	* Strict Control against Contamin (Blow nitrogen during brazing.)	Prevention from Oxidation during
Lubrication Oil (for Flare Surface)	●	◆	* Use a synthetic oil which is equivalent to the oil used in the refrigeration cycle. * Synthetic oil absorbs moisture quickly.	Prevention from Oxidation during Brazing	
Vacuum Drying & Refrigerant Charge	Refrigerant Cylinder	×	×	* Check refrigerant cylinder color. * Liquid refrigerant charging is required regarding zeotropic refrigerant. * Use the weight scale.	Refrigerant Charging
	Vacuum Pump	◇	◇	* The current ones are applicable. However, it is required to mount a vacuum pump adapter which can prevent from reverse flow when a vacuum pump stops, resulting in no reverse oil flow.	Vacuum Pumping
	Adapter for Vacuum Pump	◇	◆		
	Manifold Valve	◇	◆	* No interchangeability is available due to higher pressures when compared with R22. * Do not use current ones to the different refrigerant. If used, mineral oil will flow into the cycle and cause sludges, resulting in clogging or compressor failure.	Vacuum Pumping, Vacuum Holding, Refrigerant Charging and Check of Pressures
	Charging Hose	◇	×	* Connection diameter is different; R32/R410A: UNF1/2, R22: UNF7/16.	
	Weight Scale	◇	◇		Measuring Instrument for Refrigerant Charging
	Refrigerant Gas Leakage Detector	×	×	* The current gas leakage detector (R22) is not applicable due to different detecting method.	Gas Leakage Check

12. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

12.2 Installation flow chart



Note: this flow is only for reference; detailed see installation manual section.

13. CONTROL MODE

13. Control mode

13.1 Outdoor unit

1) Cooling Anti-freeze Protection

To prevent freezing caused by too low temperature of indoor evaporator, the air conditioner will implement real-time detection over the indoor coil temperature. If the indoor coil temperature is too low, the compressor will be prohibited from increasing the frequency or decrease the frequency even shut down automatically.

2) Heating Overload Protection

To prevent system overload caused by excessive pressure in heating operation, the machine will implement real-time detection over the indoor fan-coil temperature:

If the indoor coil temperature grows higher, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency; If the indoor coil temperature is too high, the compressor will stop working immediately. The compressor then will reboot after the indoor coil temperature reduces.

3) Cooling Overload Protection

To prevent system overload due to excessive pressure during cooling operation, the machine will implement real-time detection over the outdoor condenser coil temperature: If the outdoor coil temperature grows higher, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency; If the outdoor fan-coil temperature is too high, then the compressor will stop working immediately. The compressor will reboot after the outdoor coil temperature reduces.

4) Discharge Temperature Protection

To prevent working conditions of compressor from deteriorating due to high discharge temperature, the machine will implement real-time detection over the discharge temperature.

If the discharge temperature grows higher, the compressor will be prohibited from increasing the frequency; if the temperature continues to rise, the compressor will decrease the frequency automatically; if the discharge temperature is too high, the compressor will stop working immediately. The compressor will then reboot when the discharge temperature returns to normal condition.

5) Oil-return Control

When the compressor continues to operate at low frequency, there will be an oil return. The compressor increases the frequency, and thus to return the oil in refrigerate system to the compressor.

6) Operation Mode

a. Mode Categories

Air conditioning mode is the operation mode set by users through remote controller, four modes are available: cooling, heating, dehumidification, as well as fan mode.

13. CONTROL MODE

b. Mode conflict

The operating mode of outdoor unit is decided by the operating mode of the indoor unit firstly booted. Indoor unit subsequently booted will firstly determine whether it's own mode is in conflict with the outdoor mode. If so, the indoor unit will automatically shut down after three beeps; If there is no conflict, the indoor unit will boot normally. The relationship of mode conflict is as follows:

Driven choice Active mode	Cooling	Dehumidification	Heating	Fan
Cooling	√	√	×	√
Dehumidification	√	√	×	√
Heating	×	×	√	×
Fan	√	√	×	√

√———Mode conflict will not happen

×———Mode conflict will happen

7) Outdoor four-way Valve Control

Four-way valve of the outdoor machine shuts down during cooling but starts during heating. The operation of heating defrosting refers to defrosting operation and, when the heating remote shutdown, the four-way valve disconnects in a few seconds when the compressor stops working.

8) Start-up Protection

To prevent compressor from restart frequently in the condition that system pressure has not been completely balanced, it can't be restarted within 3 minutes.

13. CONTROL MODE

13.2 Indoor unit mode control

1. Main general technical parameters

- (1) Remote receiver distance: 8 m.
- (2) Remote receiver angle: Less than 80 degrees.
- (3) Temperature control accuracy: $\pm 1^{\circ}\text{C}$.
- (4) Time error: Less than 1%.

2. Functions of the control function

2.1 Emergency switch

Press the emergency button can realize the starting or closing Machine, starting up according to the automatic mode of operation.

Press this button to turn ON the unit, the machine will run in auto mode, and press it again to turn off.

When the machine is OFF, press and hold the emergency switch for 5 seconds, with 3 beeps, the indoor unit would turn to emergency running. In such situation, machine would be forced to turn to cooling operation with high speed, the flaps sweeping and the machine's operation is irrelevant with room temperatures.

If a remote signal has been received during the emergency run, the machine will operate upon the command of such a remote signal.

2.2 Operator-machine communication

Air conditioning and remote controller is provided with a temperature sensor. The remote controller on the temperature sensor detects the default settings of room temperature at room temperature. If the indoor control unit has not received remote control signal for a long time, it will automatically switch to the air conditioner body temperature sensor.

2.3 Timer function

(1) Timer on

When set to start in a time by the remote controller, the air conditioner starts in the timer on condition. When the set time is up, the air conditioner will turn on and operates in the preset conditions after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will automatically start and operate in the preset conditions.

(2) Timer off

When set to stop in a set time by the remote controller, the air conditioner will start in the timer off condition. When the set time is up, the air conditioner will turn off after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will turn off automatically.

(3) Neither the turning on nor turning off operation will cancel the timer function.

13. CONTROL MODE

2.4 Sleep

- (1) In the heating, cooling or dehumidifying mode, press the "Sleep" button on the remote controller to start or cancel the sleep function in turn, and at the same time the sleep icon on the display screen will be on or off accordingly.
- (2) In the heating mode, the set temperature will decrease automatically after the sleep function is started.
- (3) In the cooling mode, the set temperature will rise automatically after the sleep function is started.
- (4) By default, the setting is to cancel the sleep function. Turning off the unit will also cancel the sleep function.

2.5 Highly efficient run function (only for some remote controller)

In Cooling, Dehumidification, Fan mode, press the "HIGH POWER " to enter the refrigeration mode, set the temperature automatically adjust to lowest temp; the Fan speed is powerful speed; frequency of high frequency operation.

In heating mode, press the "HIGH POWER" to enter the refrigeration mode, set the temperature automatically adjust to highest temp.; the Fan speed is powerful speed; frequency is high frequency operation.

Mute function (only for some remote controller)

In the indoor unit operation mode, you may turn on or turn off mute function with mute key. The air conditioner will run with mute fan speed in mute mode.

2.6 Prevent cooling wind mode

When heating, in order to prevent the indoor unit from blowing cold air, the fan speed is controlled at low speed air or stopped in heating mode, and the fan speed is set according to the indoor coil temperature.

(1) Within 4 mins when outdoor run

a. Indoor fan is not in operation

If the indoor coil temperature is $< 20^{\circ}\text{C}$, the indoor fan will remain stopped;

If the indoor coil temperature is $\geq 20^{\circ}\text{C}$, the indoor fan will start at a gentle air speed.

b. Indoor fan is in operation

If the indoor coil temperature drops, the indoor fan will maintain the current speed;

If the indoor coil temperature rises, the speed of the indoor fan will increase slowly, and the maximum speed will not exceed the set speed.

(2) After 4 mins when outdoor run

If the indoor coil temperature is $\geq 38^{\circ}\text{C}$ and maintained for more than 10s, the anti-cold air function will be cancelled, and the indoor fan will operate at the set speed;

If the indoor coil temperature is $\geq 25^{\circ}\text{C}$, the indoor fan will maintain the current speed and not exceed the set speed;

If the indoor coil temperature is $< 25^{\circ}\text{C}$, the indoor fan speed will slowly decrease, and its minimum speed will not be lower than the minimum speed of the anti-cold air function;

13. CONTROL MODE

2.7 Blow waste heating and waste cooling function

The heating mode, remote shutdown, such as indoor heat exchanger temperature is higher, the wind blowing out opportunities continue to run the waste heat.

Cool and dehumidification mode, after the compressor stops, indoor unit will continue to set the speed of operation for a period of time.

2.8 Dehumidifying method:

If remote control setting is in dehumidifying mode, indoor unit is forced to run at low speed (high power key or a strong bond also maintains a low wind speed), and the outdoor unit runs according to the refrigeration mode operation.

2.9 Auto re-start from of Power Break

When the power supply is recovered after a break, all presets are still effective and the air-conditioner can run according to the previous setting.

How to set/cancel:

It can be set /cancel with wired remote controller.

For details, see internal control parameter adjustment.

2.10 Fault code

The fault code can be shown by LED lamps or will displayed on the wired controller.

2.11 Filter clean

FC will light up when air filter is clogged with dust.

How to set/cancel: It can be set /cancel with wired remote controller.

For details, see internal control parameter adjustment.

14. SENSOR PARAMETER

14. Sensor parameter

1. THE PARAMETER OF OUTDOOR COMPRESSOR DISCHARGE TEMPERATURE SENSOR:

($R_0=187.25K\pm 6.3\%$; $R_{100}=3.77K\pm 2.5K$; $B0/100=3979K\pm 1\%$)

DR: Deviation Rate

$DR(MIN)\% = (R_{min} - R_{nom}) / R_{nom} * 100\%$

$DR(MAX)\% = (R_{max} - R_{nom}) / R_{nom} * 100\%$

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	908.2603	985.5274	1065.1210	-7.84	7.47
-29	855.3955	927.6043	1001.9150	-7.78	7.42
-28	805.9244	873.4324	924.8368	-7.73	5.56
-27	759.6097	822.7471	887.5944	-7.67	7.31
-26	716.2320	775.3041	835.9165	-7.62	7.25
-25	675.5881	730.8775	787.5529	-7.56	7.20
-24	637.4902	689.2583	742.2720	-7.51	7.14
-23	601.7645	650.2533	699.8601	-7.46	7.09
-22	568.2499	613.6835	660.1191	-7.40	7.03
-21	536.7970	579.3832	622.8658	-7.35	6.98
-20	507.2676	547.1989	587.9307	-7.30	6.93
-19	497.5332	516.9882	555.1565	-3.76	6.88
-18	453.4748	488.6192	524.3977	-7.19	6.82
-17	428.9819	461.9693	495.5191	-7.14	6.77
-16	405.9517	436.9251	486.3954	-7.09	10.17
-15	384.2888	413.3808	442.9105	-7.04	6.67
-14	363.9047	391.2386	418.9563	-6.99	6.62
-13	344.7169	370.4072	396.4325	-6.94	6.56
-12	326.6497	350.8019	375.2461	-6.88	6.51
-11	309.6286	332.3441	355.3104	-6.83	6.46
-10	293.5903	314.9620	336.5448	-6.79	6.41
-9	278.4719	298.5822	318.3744	-6.74	6.22
-8	264.2156	283.1464	302.2294	-6.69	6.31
-7	250.7678	268.5936	286.5448	-6.64	6.26
-6	238.0783	254.8686	271.7603	-6.59	6.22
-5	226.1003	241.9200	257.8193	-6.54	6.17
-4	214.7903	229.6997	244.6593	-6.49	6.11
-3	204.1073	218.1630	232.2612	-6.44	6.07
-2	194.0135	207.2681	220.5495	-6.39	6.02
-1	184.4732	196.9759	209.4913	-6.35	5.97
0	175.4533	187.2500	199.0468	-6.30	5.93
1	166.8952	178.0255	189.1529	-6.25	5.88
2	158.8023	169.3067	179.8058	-6.20	5.84
3	151.1467	161.0633	170.9724	-6.16	5.80
4	143.9026	153.2667	162.6216	-6.11	5.75
5	137.0455	145.8905	154.7246	-6.06	5.71
6	130.5528	138.9097	147.2544	-6.02	5.67
7	124.4033	132.3011	140.1856	-5.97	5.62
8	118.5769	126.0429	133.4946	-5.92	5.58
9	113.0550	120.1146	127.1591	-5.88	5.54
10	107.8202	114.4973	121.1586	-5.83	5.50
11	102.8560	109.1728	115.4734	-5.79	5.46
12	98.1470	104.1246	110.0855	-5.74	5.41
13	93.6787	99.3367	104.9778	-5.70	5.37
14	89.4378	94.7946	100.1342	-5.65	5.33
15	85.4114	90.4842	95.5398	-5.61	5.29
16	81.5875	86.3926	91.1805	-5.56	5.25
17	77.9551	82.5076	87.0430	-5.52	5.21
18	74.5034	78.8177	83.1150	-5.47	5.17

14. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
19	71.2227	75.3122	79.3848	-5.43	5.13
20	68.1036	71.9808	75.8414	-5.39	5.09
21	65.1373	68.8141	72.4746	-5.34	5.05
22	62.3155	65.8032	69.2746	-5.30	5.01
23	59.6306	62.9395	66.2324	-5.26	4.97
24	57.0752	60.2152	63.3395	-5.21	4.93
25	54.6424	57.6227	60.5877	-5.17	4.89
26	52.3258	55.1551	57.9695	-5.13	4.85
27	50.1192	52.8058	55.4778	-5.09	4.82
28	48.0168	50.5684	53.1058	-5.05	4.78
29	46.0133	48.4371	50.8472	-5.00	4.74
30	44.1034	46.4046	48.6960	-4.96	4.71
31	42.2825	44.4711	46.6466	-4.92	4.66
32	40.5458	42.6261	44.6937	-4.88	4.63
33	38.8891	40.8668	42.8323	-4.84	4.59
34	37.3084	39.1890	41.0576	-4.80	4.55
35	35.7998	37.5883	39.3653	-4.76	4.51
36	34.3596	36.0609	37.7511	-4.72	4.48
37	32.9844	34.6030	36.2109	-4.68	4.44
38	31.6710	33.2113	34.7412	-4.64	4.40
39	30.4164	31.8823	33.3383	-4.60	4.37
40	29.2176	30.6130	31.9988	-4.56	4.33
41	28.0718	29.4004	30.7197	-4.52	4.29
42	26.9765	28.2417	29.4979	-4.48	4.26
43	25.9293	27.1342	28.3306	-4.44	4.22
44	24.9277	26.0755	27.2150	-4.40	4.19
45	23.9697	25.0632	26.1488	-4.36	4.15
46	23.0530	24.0950	25.1293	-4.32	4.12
47	22.1757	23.1688	24.1545	-4.29	4.08
48	21.3360	22.2826	23.2221	-4.25	4.05
49	20.5321	21.4345	22.3301	-4.21	4.01
50	19.7623	20.6226	21.4766	-4.17	3.98
51	19.0261	19.8468	20.6612	-4.14	3.94
52	18.3211	19.1040	19.8808	-4.10	3.91
53	17.6458	18.3926	19.1338	-4.06	3.87
54	16.9986	17.7113	18.4185	-4.02	3.84
55	16.3784	17.0537	17.7335	-3.96	3.83
56	15.7839	16.4332	17.0774	-3.95	3.77
57	15.2139	15.8338	16.4488	-3.92	3.74
58	14.6673	15.2592	15.8464	-3.88	3.71
59	14.1430	14.7083	15.2690	-3.84	3.67
60	13.6400	14.1799	14.7154	-3.81	3.64
61	13.1573	13.6730	14.1846	-3.77	3.61
62	12.6941	13.1868	13.6756	-3.74	3.57
63	12.2494	12.7202	13.1872	-3.70	3.54
64	11.8224	12.2723	12.7186	-3.67	3.51
65	11.4124	11.8424	12.2690	-3.63	3.48
66	11.0185	11.4295	11.8373	-3.60	3.45
67	10.6401	11.0331	11.4230	-3.56	3.41
68	10.2765	10.6522	11.0251	-3.53	3.38
69	9.9271	10.2863	10.6429	-3.49	3.35
70	9.5912	9.9348	10.2756	-3.46	3.32
71	9.2682	9.5968	9.9231	-3.42	3.29
72	8.9576	9.2720	9.5841	-3.39	3.26
73	8.6589	8.9597	9.2583	-3.36	3.23
74	8.3716	8.6594	8.9451	-3.32	3.19

14. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
75	8.0951	8.3705	8.6440	-3.29	3.16
76	7.8290	8.0926	8.3544	-3.26	3.13
77	7.5730	7.8252	8.0758	-3.22	3.10
78	7.3264	7.5679	7.8078	-3.19	3.07
79	7.0891	7.3202	7.5499	-3.16	3.04
80	6.8605	7.0818	7.3018	-3.12	3.01
81	6.6403	6.8522	7.0629	-3.09	2.98
82	6.4282	6.6311	6.8329	-3.06	2.95
83	6.2239	6.4182	6.6115	-3.03	2.92
84	6.0269	6.2131	6.3982	-3.00	2.89
85	5.8371	6.0154	6.1928	-2.96	2.86
86	5.6542	5.8249	5.9949	-2.93	2.84
87	5.4777	5.6413	5.8042	-2.90	2.81
88	5.3076	5.4644	5.6205	-2.87	2.78
89	5.1435	5.2937	5.4433	-2.84	2.75
90	4.9853	5.1292	5.2726	-2.81	2.72
91	4.8326	4.9705	5.1079	-2.77	2.69
92	4.6852	4.8174	4.9492	-2.74	2.66
93	4.5430	4.6697	4.7960	-2.71	2.63
94	4.4058	4.5272	4.6483	-2.68	2.61
95	4.2733	4.3896	4.5058	-2.65	2.58
96	4.1453	4.2568	4.3683	-2.62	2.55
97	4.0218	4.1287	4.2355	-2.59	2.52
98	3.9024	4.0049	4.1074	-2.56	2.50
99	3.7872	3.8854	3.9837	-2.53	2.47
100	3.6758	3.7700	3.8643	-2.50	2.44
101	3.5661	3.6585	3.7512	-2.53	2.47
102	3.4601	3.5509	3.6419	-2.56	2.50
103	3.3577	3.4468	3.5362	-2.59	2.53
104	3.2588	3.3463	3.4341	-2.61	2.56
105	3.1632	3.2491	3.3353	-2.64	2.58
106	3.0708	3.1551	3.2398	-2.67	2.61
107	2.9816	3.0643	3.1475	-2.70	2.64
108	2.8953	2.9765	3.0582	-2.73	2.67
109	2.8118	2.8915	2.9717	-2.76	2.70
110	2.7311	2.8093	2.8881	-2.78	2.73
111	2.6531	2.7299	2.8072	-2.81	2.75
112	2.5776	2.6530	2.7289	-2.84	2.78
113	2.5046	2.5785	2.6531	-2.87	2.81
114	2.4340	2.5065	2.5798	-2.89	2.84
115	2.3656	2.4368	2.5087	-2.92	2.87
116	2.2995	2.3693	2.4400	-2.95	2.90
117	2.2354	2.3040	2.3733	-2.98	2.92
118	2.1734	2.2407	2.3088	-3.00	2.95
119	2.1134	2.1795	2.2463	-3.03	2.97
120	2.0553	2.1201	2.1858	-3.06	3.01
121	1.9991	2.0626	2.1271	-3.08	3.03
122	1.9446	2.0070	2.0702	-3.11	3.05
123	1.8918	1.9530	2.0151	-3.13	3.08
124	1.8406	1.9007	1.9617	-3.16	3.11
125	1.7911	1.8500	1.9099	-3.18	3.14
126	1.7430	1.8009	1.8597	-3.22	3.16
127	1.6965	1.7533	1.8110	-3.24	3.19
128	1.6514	1.7071	1.7638	-3.26	3.21
129	1.6076	1.6623	1.7180	-3.29	3.24
130	1.5652	1.6189	1.6736	-3.32	3.27

14. SENSOR PARAMETER

2. THE PARAMETER OF THE OTHER SENSOR IN INDOOR AND OUTDOOR UNIT:

($R_0=15K\pm 2\%$; $B_0/100=3450K\pm 2\%$)

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	60.78	64.77	68.99	-6.16	6.12
-29	57.75	61.36	65.16	-5.88	5.83
-28	54.89	58.15	61.58	-5.61	5.57
-27	52.19	55.14	58.23	-5.35	5.31
-26	49.63	52.30	55.08	-5.11	5.05
-25	47.21	49.62	52.13	-4.86	4.81
-24	44.92	47.10	49.37	-4.63	4.60
-23	42.76	44.73	46.78	-4.40	4.38
-22	40.71	42.49	44.34	-4.19	4.17
-21	38.77	40.38	42.05	-3.99	3.97
-20	36.93	38.39	39.90	-3.80	3.78
-19	35.18	36.51	37.87	-3.64	3.59
-18	33.53	34.74	35.97	-3.48	3.42
-17	31.96	33.06	34.17	-3.33	3.25
-16	30.48	31.47	32.49	-3.15	3.14
-15	29.07	29.97	30.89	-3.00	2.98
-14	27.73	28.56	29.39	-2.91	2.82
-13	26.46	27.22	27.98	-2.79	2.72
-12	25.26	25.95	26.64	-2.66	2.59
-11	24.11	24.75	25.38	-2.59	2.48
-10	23.03	23.61	24.19	-2.46	2.40
-9	21.99	22.53	23.06	-2.40	2.30
-8	21.01	21.51	22.00	-2.32	2.23
-7	20.08	20.54	20.99	-2.24	2.14
-6	19.19	19.62	20.04	-2.19	2.10
-5	18.35	18.74	19.14	-2.08	2.09
-4	17.55	17.92	18.29	-2.06	2.02
-3	16.78	17.13	17.48	-2.04	2.00
-2	16.06	16.38	16.71	-1.95	1.97
-1	15.36	15.67	15.98	-1.98	1.94
0	14.70	15.00	15.29	-2.00	1.90
1	14.08	14.36	14.64	-1.95	1.91
2	13.48	13.75	14.02	-1.96	1.93
3	12.91	13.17	13.43	-1.97	1.94
4	12.36	12.62	12.87	-2.06	1.94
5	11.85	12.09	12.34	-1.99	2.03
6	11.35	11.59	11.83	-2.07	2.03
7	10.88	11.11	11.35	-2.07	2.11
8	10.43	10.66	10.89	-2.16	2.11
9	9.999	10.230	10.450	-2.26	2.11
10	9.590	9.816	10.040	-2.30	2.23
11	9.199	9.422	9.647	-2.37	2.33
12	8.826	9.047	9.269	-2.44	2.40
13	8.470	8.689	8.910	-2.52	2.48
14	8.129	8.347	8.567	-2.61	2.57
15	7.804	8.021	8.240	-2.71	2.66
16	7.493	7.709	7.928	-2.80	2.76
17	7.196	7.412	7.630	-2.91	2.86
18	6.912	7.127	7.346	-3.02	2.98
19	6.640	6.855	7.074	-3.14	3.10
20	6.381	6.595	6.815	-3.24	3.23
21	6.132	6.347	6.567	-3.39	3.35
22	5.894	6.109	6.330	-3.52	3.49

14. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
23	5.667	5.882	6.103	-3.66	3.62
24	5.449	5.664	5.886	-3.80	3.77
25	5.240	5.456	5.678	-3.96	3.91
26	5.048	5.260	5.478	-4.03	3.98
27	4.864	5.072	5.286	-4.10	4.05
28	4.687	4.891	5.101	-4.17	4.12
29	4.517	4.717	4.924	-4.24	4.20
30	4.355	4.550	4.753	-4.29	4.27
31	4.198	4.390	4.589	-4.37	4.34
32	4.048	4.236	4.431	-4.44	4.40
33	3.904	4.089	4.280	-4.52	4.46
34	3.766	3.946	4.134	-4.56	4.55
35	3.663	3.810	3.994	-3.86	4.61
36	3.506	3.679	3.859	-4.70	4.66
37	3.383	3.552	3.729	-4.76	4.75
38	3.265	3.431	3.604	-4.84	4.80
39	3.152	3.314	3.484	-4.89	4.88
40	3.043	3.202	3.368	-4.97	4.93
41	2.938	3.094	3.257	-5.04	5.00
42	2.838	2.990	3.149	-5.08	5.05
43	2.741	2.890	3.046	-5.16	5.12
44	2.648	2.793	2.946	-5.19	5.19
45	2.558	2.701	2.850	-5.29	5.23
46	2.472	2.611	2.758	-5.32	5.33
47	2.389	2.525	2.669	-5.39	5.40
48	2.309	2.443	2.583	-5.49	5.42
49	2.232	2.363	2.500	-5.54	5.48
50	2.158	2.286	2.421	-5.60	5.58
51	2.087	2.212	2.344	-5.65	5.63
52	2.018	2.140	2.269	-5.70	5.69
53	1.952	2.072	2.198	-5.79	5.73
54	1.888	2.005	2.129	-5.84	5.82
55	1.827	1.941	2.062	-5.87	5.87
56	1.767	1.880	1.998	-6.01	5.91
57	1.710	1.820	1.936	-6.04	5.99
58	1.655	1.763	1.876	-6.13	6.02
59	1.602	1.707	1.818	-6.15	6.11
60	1.551	1.654	1.762	-6.23	6.13
61	1.502	1.602	1.709	-6.24	6.26
62	1.452	1.553	1.657	-6.50	6.28
63	1.409	1.505	1.606	-6.38	6.29
64	1.364	1.458	1.558	-6.45	6.42
65	1.322	1.413	1.511	-6.44	6.49
66	1.280	1.370	1.466	-6.57	6.55
67	1.241	1.328	1.422	-6.55	6.61
68	1.202	1.288	1.379	-6.68	6.60
69	1.165	1.249	1.339	-6.73	6.72
70	1.129	1.211	1.299	-6.77	6.77
71	1.095	1.175	1.261	-6.81	6.82
72	1.061	1.140	1.224	-6.93	6.86
73	1.029	1.106	1.188	-6.96	6.90
74	0.9977	1.073	1.153	-7.02	6.94
75	0.9676	1.041	1.120	-7.05	7.05
76	0.9385	1.011	1.088	-7.17	7.08
77	0.9104	0.9810	1.056	-7.20	7.10
78	0.8833	0.9523	1.026	-7.25	7.18

14. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
79	0.8570	0.9246	0.9971	-7.31	7.27
80	0.8316	0.8977	0.9687	-7.36	7.33
81	0.8071	0.8717	0.9412	-7.41	7.38
82	0.7834	0.8466	0.9146	-7.47	7.43
83	0.7604	0.8223	0.8888	-7.53	7.48
84	0.7382	0.7987	0.8639	-7.57	7.55
85	0.7167	0.7759	0.8397	-7.63	7.60
86	0.6958	0.7537	0.8161	-7.68	7.65
87	0.6755	0.7322	0.7933	-7.74	7.70
88	0.6560	0.7114	0.7712	-7.79	7.75
89	0.6371	0.6913	0.7498	-7.84	7.80
90	0.6188	0.6718	0.7291	-7.89	7.86
91	0.6011	0.6530	0.7051	-7.95	7.39
92	0.5840	0.6348	0.6897	-8.00	7.96
93	0.5674	0.6171	0.6709	-8.05	8.02
94	0.5514	0.6000	0.6527	-8.10	8.07
95	0.5359	0.5835	0.6350	-8.16	8.11
96	0.5209	0.5675	0.6179	-8.21	8.16
97	0.5064	0.5519	0.6014	-8.24	8.23
98	0.4923	0.5369	0.5853	-8.31	8.27
99	0.4787	0.5224	0.5698	-8.37	8.32
100	0.4655	0.5083	0.5547	-8.42	8.36
101	0.4528	0.4946	0.5401	-8.45	8.42
102	0.4404	0.4814	0.5259	-8.52	8.46
103	0.4284	0.4685	0.5121	-8.56	8.51
104	0.4168	0.4561	0.4988	-8.62	8.56
105	0.4056	0.4440	0.4859	-8.65	8.62
106	0.3947	0.4323	0.4733	-8.70	8.66
107	0.3841	0.4210	0.4611	-8.76	8.70
108	0.3739	0.4100	0.4493	-8.80	8.75
109	0.3640	0.3993	0.4379	-8.84	8.81
110	0.3544	0.3890	0.4267	-8.89	8.84
111	0.3450	0.3789	0.4159	-8.95	8.90
112	0.3360	0.3692	0.4055	-8.99	8.95
113	0.3272	0.3597	0.3953	-9.04	9.01
114	0.3187	0.3505	0.3854	-9.07	9.06
115	0.3104	0.3416	0.3758	-9.13	9.10
116	0.3024	0.3330	0.3665	-9.19	9.14
117	0.2947	0.3246	0.3574	-9.21	9.18
118	0.2871	0.3164	0.3468	-9.26	8.77
119	0.2798	0.3085	0.3401	-9.30	9.29
120	0.2727	0.3008	0.33	-9.34	9.34

14. SENSOR PARAMETER

B25/50=3950K±3% R25=15KΩ±3%

Temp (°C)	Resistance (KΩ)		
	Rmax	R(t)Normal	Rmin
-30	250.952	230.189	209.426
-29	236.568	217.234	197.900
-28	223.091	205.085	187.078
-27	210.459	193.686	176.913
-26	198.614	182.987	167.360
-25	187.503	172.942	158.380
-24	177.077	163.506	149.935
-23	167.288	154.639	141.989
-22	158.095	146.303	134.511
-21	149.458	138.464	127.470
-20	141.341	131.090	120.839
-19	134.087	124.486	114.885
-18	127.219	118.227	109.235
-17	120.715	112.294	103.873
-16	114.556	106.671	98.786
-15	108.724	101.342	93.960
-14	103.202	96.291	89.380
-13	97.972	91.503	85.034
-12	93.020	86.965	80.910
-11	88.330	82.663	76.996
-10	83.889	78.585	73.281
-9	79.683	74.720	69.757
-8	75.698	71.055	66.412
-7	71.925	67.581	63.237
-6	68.349	64.286	60.223
-5	64.962	61.162	57.362
-4	61.754	58.200	54.646
-3	58.713	55.390	52.067
-2	55.833	52.726	49.619
-1	53.102	50.198	47.294
0	50.514	47.800	45.086
1	48.061	45.525	42.989
2	45.735	43.366	40.997
3	43.530	41.317	39.104
4	41.440	39.373	37.306
5	39.457	37.527	35.597
6	37.576	35.775	33.974
7	35.792	34.111	32.430
8	34.100	32.532	30.964
9	32.494	31.031	29.568
10	30.970	29.606	28.242
11	29.523	28.252	26.981
12	28.150	26.966	25.782
13	26.846	25.743	24.640
14	25.608	24.581	23.554

14. SENSOR PARAMETER

Temp (°C)	Resistance (KΩ)		
	Rmax	R(t)Normal	Rmin
15	24.433	23.477	22.521
16	23.315	22.426	21.537
17	22.254	21.428	20.602
18	21.246	20.478	19.710
19	20.288	19.575	18.862
20	19.377	18.715	18.053
21	18.511	17.897	17.283
22	17.688	17.119	16.550
23	16.903	16.377	15.851
24	16.159	15.672	15.185
25	15.450	15.000	14.550
26	14.802	14.360	13.918
27	14.183	13.750	13.317
28	13.595	13.170	12.745
29	13.033	12.616	12.199
30	12.496	12.088	11.680
31	11.985	11.585	11.185
32	11.498	11.106	10.714
33	11.032	10.648	10.264
34	10.588	10.212	9.836
35	10.163	9.795	9.427
36	9.758	9.398	9.038
37	9.371	9.019	8.667
38	9.001	8.656	8.311
39	8.648	8.311	7.974
40	8.310	7.980	7.650
41	7.988	7.665	7.342
42	7.678	7.363	7.048
43	7.383	7.075	6.767
44	7.102	6.800	6.498
45	6.832	6.537	6.242
46	6.573	6.285	5.997
47	6.326	6.044	5.762
48	6.089	5.814	5.539
49	5.862	5.593	5.324
50	5.645	5.382	5.119
51	5.437	5.180	4.923
52	5.238	4.987	4.736
53	5.047	4.801	4.555
54	4.864	4.624	4.384
55	4.689	4.454	4.219
56	4.520	4.291	4.062
57	4.359	4.135	3.911
58	4.204	3.985	3.766
59	4.055	3.841	3.627
60	3.913	3.704	3.495
61	3.775	3.571	3.367
62	3.645	3.445	3.245

14. SENSOR PARAMETER

Temp (°C)	Resistance (KΩ)		
	Rmax	R(t)Normal	Rmin
63	3.518	3.323	3.128
64	3.397	3.206	3.015
65	3.280	3.094	2.908
66	3.168	2.986	2.804
67	3.061	2.883	2.705
68	2.957	2.783	2.609
69	2.858	2.688	2.518
70	2.762	2.596	2.430
71	2.670	2.508	2.346
72	2.582	2.423	2.264
73	2.496	2.341	2.186
74	2.414	2.262	2.110
75	2.335	2.187	2.039
76	2.259	2.114	1.969
77	2.186	2.044	1.902
78	2.115	1.977	1.839
79	2.047	1.912	1.777
80	1.981	1.849	1.717
81	1.918	1.789	1.660
82	1.857	1.731	1.605
83	1.799	1.675	1.551
84	1.742	1.621	1.500
85	1.687	1.569	1.451
86	1.635	1.519	1.404
87	1.585	1.472	1.359
88	1.536	1.426	1.315
89	1.490	1.381	1.273
90	1.445	1.338	1.232
91	1.401	1.297	1.193
92	1.359	1.257	1.156
93	1.318	1.219	1.119
94	1.279	1.182	1.084
95	1.241	1.146	1.050
96	1.205	1.111	1.018
97	1.169	1.078	0.986
98	1.135	1.046	0.956
99	1.102	1.015	0.927
100	1.070	0.984	0.898
101	1.040	0.955	0.871
102	1.010	0.927	0.845
103	0.981	0.900	0.819
104	0.953	0.874	0.795
105	0.926	0.849	0.771

15. TROUBLESHOOTING

15. Troubleshooting

15.1 Trouble guide

Troubleshooting for normal malfunction

Troubleshooting	Possible Reasons of Abnormality	How to Deal With
Air conditioner can not start up	<ol style="list-style-type: none"> 1. Power supply failure; 2. Trip of breaker or blow of fuse; 3. Power voltage is too low; 4. Improper setting of remote controller; 5. Remote controller is short of power. 	<ol style="list-style-type: none"> 1. Check power supply circuit; 2. Measure insulation resistance to ground to see if there is any leakage; 3. Check if there is a defective contact or leak current in the power supply circuit; 4. Check and set remote controller again; 5. Change batteries.
The compressor starts or stops frequently	The airinlet and outlet have been blocked.	Remove obstacles.
Poor cooling/heating	<ol style="list-style-type: none"> 1. The outdoor heat exchanger is dirty, such as condenser; 2. There are heating devices indoors; 3. The airtightness is not enough, and people come in and out too frequently; 4. Block of outdoor heate xchanger; 5. Improper setting of temperature. 	<ol style="list-style-type: none"> 1. Clean the heat exchanger of the outdoor unit, such as condenser; 2. Remove heating devices; 3. Keep certain air tightness indoors; 4. Remove block obstacles; 5. Check and try to set temperature again.
Sound from deforming parts	During system starting or stopping, a sound might be heard. However, this is due to the normal deformation of plastic parts.	It is not abnormal, and the sound will disappear soon.
Waterleakage	<ol style="list-style-type: none"> 1. Drainage pipe is blocked or broken; 2. Wrap of refrigerant pipe joint is not closed completely. 	<ol style="list-style-type: none"> 1. Change drainage pipe; 2. Re-wrap and make it tight.

15. TROUBLESHOOTING

How to check fault codes

Troubleshooting according to fault codes

When the air conditioner failure occurs, the fault code will display on control board, or maintenance board.

Outdoor unit

Fault code displayed by LED lamps on outdoor main control board.

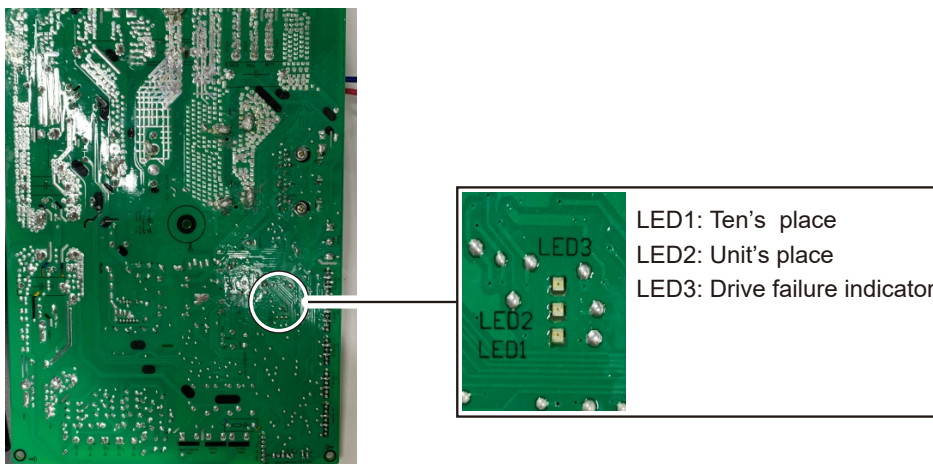
18K~27K

There are 3 LED lamps on control board, LED1, LED2 and LED3.

LED1 indicates fault code represented by 2-digit number, LED2 indicates fault code represented by single digit number and LED3 indicates outdoor drive control fault. When LED3 is off, LED1 and LED 2 indicate main control fault code.

When LED3 is on, LED1 and LED 2 indicate drive control fault code.

When LED3 is flickering and LED1, LED 2 are all off, indicate compressor is preheating. Failures display with 5s interval. It means LED will be off for 5s to report next fault code. System protection codes display method is the same with main control fault code. LED lamps will be off when there is no failure, protection or preheating.



36K

Main control failure:

- Check by 7 segment display on maintenance board.
- Check by lamps on main control board.

Lamp V15 display fault code ten digit number, V16 display fault code single digit number.

Drive failure:

Check by lamp on main control board

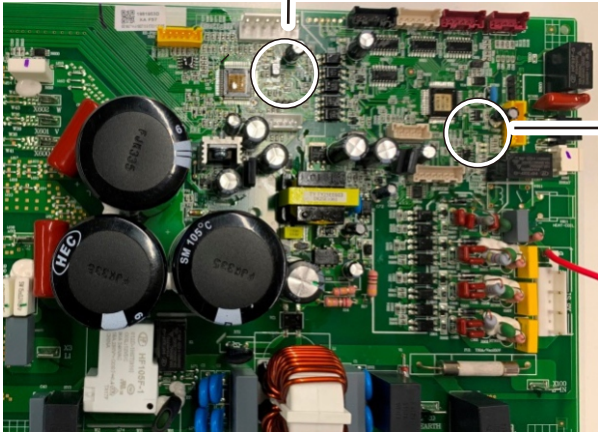
Lamp V17 display fault code ten digit number, V18 display fault code single digit number.

The failure lamp flicking times shows the failure code.

15. TROUBLESHOOTING

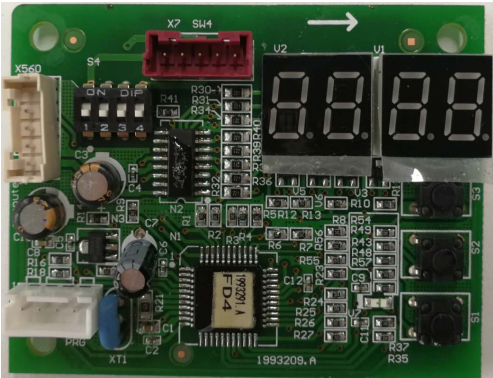


Drive failure
 V17: Ten's place
 V18: Unit's place



Main control failure
 V15: Ten digit number
 V16: Single digit number

For 18K~36K, fault codes also can be checked by 7 segment display on the checker board. Fault codes will display directly when fault occurs.



E shows failure occur

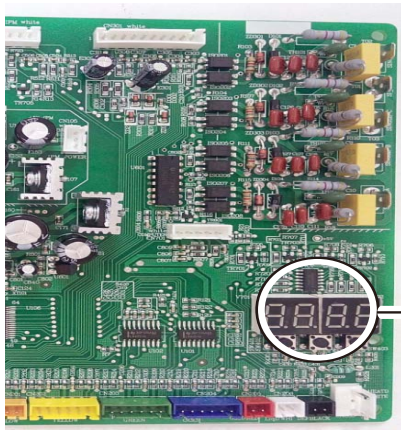
Display ERROR Code

15. TROUBLESHOOTING

42K

Main control failure

Fault code will display on 7 segment display on outdoor control board.



7-segment display



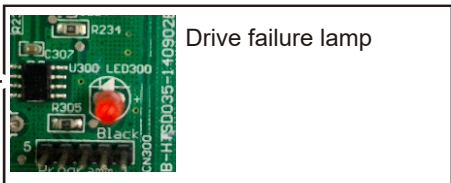
E shows failure occur

Display ERROR Code

Drive fault code display

The lamp of drive board flash shows failure occur.

The drive failure lamp flicking times shows the failure code.



Drive failure lamp

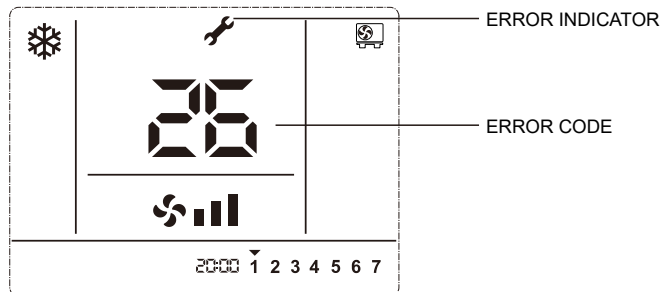
The drive failure lamp flicking times shows the failure code.


15. TROUBLESHOOTING

Indoor unit

Fault codes will be displayed on wired controller.

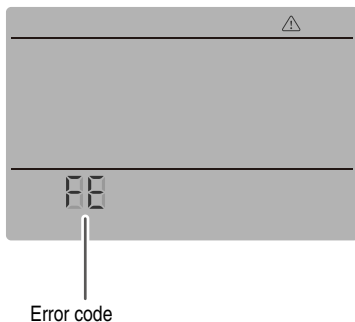
MODEL: YXE-C01U1(E)




When the air conditioner malfunctions,  will be displayed on the LCD, and error codes will appear and blink.

Fault code displays on wired controller

MODEL: YXE-E01U(E)



When the air conditioner malfunctions,  will be displayed on the LCD, indicating that error is occurring, please consult your local dealer or after-sales service.

Fault code displays on wired controller

15. TROUBLESHOOTING

15.2 Fault codes

Table 1 Outdoor fault codes

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
1	Outdoor ambient temperature sensor fault	<ol style="list-style-type: none"> 1.The outdoor ambient temperature sensor is connected loosely; 2.The outdoor ambient temperature sensor fails to work; 3.The sampling circuit fails. 	<ol style="list-style-type: none"> 1.Reconnect the outdoor ambient temperature sensor; 2.Replace the outdoor ambient temperature sensor components; 3.Replace the outdoor control board components. 	
2	Outdoor coil temperature sensor fault	<ol style="list-style-type: none"> 1.The outdoor coil temperature sensor is connected loosely; 2.The outdoor coil temperature sensor fails to work; 3.The sampling circuit fails. 	<ol style="list-style-type: none"> 1.Reconnect the outdoor coil temperature sensor; 2.Replace the outdoor coil temperature sensor components; 3.Replace the outdoor control board components. 	
3	The unit over-current turn off fault	<ol style="list-style-type: none"> 1. Control board current sampling circuit fails; 2. The current is over high because the supply voltage is too low; 3. The compressor is blocked; 4. Overload in cooling mode; 5. Overload in heating mode. 	<ol style="list-style-type: none"> 1. Replace the electrical control board components; 2. Normal protection; 3. Replace the compressor; 4. Please see Table 2; 5. Please see Table 3. 	
4	EEProm Data error	<ol style="list-style-type: none"> 1.EE components fails; 2.EE components control circuit fails; 3.EE components are inserted incorrectly. 	<ol style="list-style-type: none"> 1.Replace the EE components; 2.Replace the outdoor control board components; 3.Reassemble the EE components. 	
5	Cooling freezing protection (the indoor coil temperature is too low) or heating overload (indoor coil temperature is too high)	<ol style="list-style-type: none"> 1.The indoor unit can not blow air normally; 2.The room temperature is too low in cooling mode or the room temperature is too high in heating; 3.The filter is dirty; 4.The duct resistance is too high to result in low air flow; 5.The setting fan speed is too low; 6.The indoor unit is not installed in accordance with the installation standards, and the air inlet is too close to the air outlet . 	<ol style="list-style-type: none"> 1.Check whether the indoor fan, indoor fan motor and evaporator work normally; 2.Normal protection; 3.Clean the filter; 4.Check the volume control valve, duct length etc.; 5.Set the speed with high speed; 6.Reinstall the indoor unit referring to the user manual to change the distance between the indoor unit and the wall or ceiling. 	
7	The communication fault between the indoor unit and outdoor unit	<ol style="list-style-type: none"> 1.The connection cable is connected improperly between the indoor unit and outdoor unit; 2.The communication cable is connected loosely; 3.The communication cable fails; 4.The indoor control board fails; 5.The outdoor control board fails; 6.Communication circuit fuse open; 7.The specification of communication cable is incorrect. 	<ol style="list-style-type: none"> 1.Reconnect the connection cable referring to the wiring diagram; 2.Reconnect the communication cable; 3.Replace the communication cable; 4.Replace the indoor control board; 5.Replace the outdoor control board; 6.Check the communication circuit, adjust the DIP switch and the short-circuit fuse. 7.Choose suitable communication cable referring to the user manual. 	

15. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
13	Compressor overheat protector device	<ol style="list-style-type: none"> 1. The wiring of the overload protector is connected loosely. 2. The overload protector fails . 3. The refrigerant is not enough; 4. The installation pipe is much longer than the normal one, but extra refrigerant is not added ; 5. The expansion valve fails; 6. The outdoor control board fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the overload protector; 2. Replace the overload protector; 3. Check the welding point of the unit to confirm whether it is leakage, and then recharge the refrigerant; 4. Add the refrigerant; 5. Replace expansion valve; 6. Replace the outdoor control board. 	
16	Overload protection in cooling mode	System overload	Please refer to Table 2.	
17	Discharge temperature sensor fault	<ol style="list-style-type: none"> 1.The wiring of the discharge temperature sensor is connected loosely; 2. The discharge temperature sensor fails; 3.The sampling circuit is abnormal. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the discharge temperature sensor; 2. Replace the discharge temperature sensor; 3. Replace the outdoor control board. 	
18	AC voltage is abnormal	<ol style="list-style-type: none"> 1.The AC voltage>275V or <160V; 2.The AC voltage of sampling circuit on the driver board is abnormal. 	<ol style="list-style-type: none"> 1. Normal protection, please check the supply power; 2. Replace the driver board. 	
19	Suction temperature sensor fault	<ol style="list-style-type: none"> 1.The wiring of the suction temperature sensor is connected loosely; 2.The suction temperature sensor fails; 3.The sampling circuit is abnormal. 	<ol style="list-style-type: none"> 1.Reconnect the wiring of the suction temperature sensor; 2.Replace the suction temperature sensor; 3.Replace the outdoor control board. 	
22	The defrosting sensor fault	<ol style="list-style-type: none"> 1. The wiring of the defrosting sensor is connected loosely; 2. The defrosting sensor fails; 3. The sampling circuit is abnormal. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the defrosting sensor; 2. Replace the defrosting sensor; 3. Replace the outdoor control board. 	
23	Expansion valve A pipe (liquid) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve A(liquid pipe) is connected loosely; 2. The sensor for the expansion A (liquid pipe) fails; 3. The sampling circuit is abnormal. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve A (liquid pipe); 2. Replace the sensor for the expansion valve A (liquid pipe); 3. Replace the outdoor control board. 	
24	Expansion valve B (liquid) pipe sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve B (liquid pipe) is connected loosely; 2.The sensor for the expansion valve B(liquid pipe) fails; 3.The sampling circuit is abnormal. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve B(liquid pipe); 2. Replace the sensor for the expansion valve B(liquid pipe); 3. Replace the outdoor control board. 	
25	Expansion valve C (liquid) pipe sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve C (liquid pipe) is connected loosely; 2. The sensor of the expansion valve C (liquid pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve C (liquid pipe); 2. Replace the sensor for the expansion valve C (liquid pipe); 3. Replace the outdoor control board. 	

15. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
26	Expansion valve D (liquid) pipe sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve D (liquid pipe) is connected loosely; 2. The sensor of the expansion valve D (liquid pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve D (liquid pipe); 2. Replace the sensor for the expansion valve D (liquid pipe); 3. Replace the outdoor control board. 	
27	Expansion valve A (gas pipe) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve A (gas pipe) is connected loosely; 2. The sensor of the expansion valve A (gas pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve A (gas pipe); 2. Replace the sensor for the expansion valve A (gas pipe); 3. Replace the outdoor control board. 	
28	Expansion valve B (gas pipe) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve B (gas pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve B (gas pipe); 3. Replace the outdoor control board. 	
29	Expansion valve C (gas pipe) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve C (gas pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve C (gas pipe); 3. Replace the outdoor control board. 	
30	Expansion valve D (gas pipe) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve D (gas pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve D (gas pipe); 3. Replace the outdoor control board. 	
45	IPM fault	<p>There are many reasons for this failure. You can check the driver board fault LED to further analyze the fault code of the drive board and to learn about what leads to the fault and how to operate it. Specific information can be seen in table 4.</p>	See attached "analysis of the driving board fault".	
46	IPM and control board communication fault	<ol style="list-style-type: none"> 1. The control board and the driver board is loose; 2. The cable between the control board and the driver board fails; 3. The driver board fails; 4. The control board fails. 	<ol style="list-style-type: none"> 1. Reconnect the communication cable ; 2. Replace the communication cable; 3. Replace the driver board; 4. Replace the control board. 	

15. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
47	Discharge temperature is too high	<ol style="list-style-type: none"> 1. The refrigerant of the unit is not enough; 2. The refrigerant of the unit is not enough ; 3. Throttling service fails; 4. The outdoor ambient temperature is too high. 	<ol style="list-style-type: none"> 1. Check to confirm whether there is leakage exist; 2. Add some refrigerant referring to the installation user manual; 3. Replace the throttling service (such as capillary, expansion valve) 4. Normal protection. 	
48	The outdoor DC fan motor fault (upper fan motor)	<ol style="list-style-type: none"> 1. The connecting wiring of the up DC fan motor is loose; 2. The cord of the upper DC fan motor fails; 3. The upper DC fan motor fails; 4. The drive circuit of the upper DC fan motor fails; 5. The outdoor fan has been blocked. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the up DC fan motor; 2. Replace the upper DC fan motor; 3. Replace the upper DC fan motor; 4. Replace the driver board of the fan motor; 5. Check the outdoor fan and ensure the outdoor fan can run normally. 	
50	Expansion valve E (liquid) pipe sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve E (liquid pipe) is connected loosely; 2. The sensor of the expansion valve E (liquid pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve E (liquid pipe); 2. Replace the sensor for the expansion valve E (liquid pipe); 3. Replace the outdoor control board. 	
30	Expansion valve D (gas pipe) sensor fault	<ol style="list-style-type: none"> 1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve D (gas pipe) fails; 3. The sampling circuit fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve D (gas pipe); 3. Replace the outdoor control board. 	
67	Fan of IPM device overheat protect	<ol style="list-style-type: none"> 1. The fan of IPM is overload; 2. The circuit of IPM fails. 	<ol style="list-style-type: none"> 1. Normal protection; 2. Replace the IPM. 	
91	The unit turn off due the IPM board over heating fault	<ol style="list-style-type: none"> 1. The outdoor ambient temp. is too high; 2. The speed of the out fan motor is too low if the fan motor is AC fan motor; 3. The outdoor unit is not installed in accordance with the standard; 4. The supply power is too low. 	<ol style="list-style-type: none"> 1. Normal protection; 2. Check the fan capacitor, and replace the fan capacitor if it is failure; 3. Reinstalled the outdoor unit refer to the installation user manual; 4. Normal protection. 	
96	Lacking of refrigerant	The refrigerant of the unit is not enough.	Discharge the refrigerant and charge the refrigerant referring to the rating label.	
97	4-way valve commutation failure fault	<ol style="list-style-type: none"> 1. The connecting wiring of the 4-way valve coil is loose; 2. The 4-way valve coil fails; 3. The 4-way valve fails; 4. The driver board of the 4-way valve fails. 	<ol style="list-style-type: none"> 1. Reconnect the wiring of the 4-way valve; 2. Replace the 4-way valve coil; 3. Replace the 4-way valve; 4. Replace the driver board of the 4-way valve. 	

15. TROUBLESHOOTING

Table 2 Overload in cooling mode

Overload in cooling mode		
sr.	The root cause	Corrective measure
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The outdoor ambient temperature is too high.	Please use it within allowable temperature range
3	Short-circuit occurs in the air outlet and air inlet of the outdoor unit.	Adjust the installation of the outdoor unit referring to the user manual.
4	The outdoor heat exchanger is dirty, such as condenser.	Clean the heat exchanger of the outdoor unit, such as condenser.
5	The speed of the outdoor fan motor is too low.	Check the outdoor fan motor and fan capacitor.
6	The outdoor fan is broken or the outdoor fan is blocked.	Check the outdoor fan.
7	The air inlet and outlet have been blocked.	Remove the obstacles.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

Table 3 Overload in heating mode

Overload in heating mode		
sr.	The root cause	Corrective measure
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The indoor ambient temperature is too high.	Please use within allowable temperature range.
3	Short-circuit occurs in the air outlet and air inlet of the indoor unit.	Adjust the installation of the indoor unit referring to the user manual.
4	The indoor filter is dirty.	Clean the indoor filter.
5	The speed of the indoor fan motor is too low.	Check the indoor fan motor and fan capacitor.
6	The indoor fan is broken or the outdoor fan is blocked.	Check the indoor fan.
7	The air inlet and outlet have been blocked.	Remove the obstacles.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

15. TROUBLESHOOTING

Table 4 Analysis of the driving board fault(18K~24K)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Driver board fault.	1. Check the power supply; 2. Change the driver board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad driver board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the driver board; 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. Driver board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the driver board.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high; 2. Driver board fails; 3. PFC fails.	1. Check the system; 2. Change the driver board; 3. Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. Driver board fails.	1. Check the power supply; 2. Change the driver board.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	Driver board fails.	Change the driver board.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Driver board EEPROM is abnormal.	1. Change EEPROM; 2. Change the driver board.
26	DC voltage mutation error	1. Power input changes suddenly; 2. Driver board fails.	1. Check the power supply, to provide stable power supply; 2. Change the driver board.
27	D axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
28	Q axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
29	Saturation error of D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
30	Saturation error of Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.

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Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	<ol style="list-style-type: none"> 1. The fan motor system overloads; 2. The drive board fails; 3. The fan motor is not insulated well; 	<ol style="list-style-type: none"> 1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor.
51	Out-of-step detection	<ol style="list-style-type: none"> 1. The wire is not connected well; 2. Bad drive board components; 3. The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well. 	<ol style="list-style-type: none"> 1. Check the fan motor wire connection; 2. Change the drive board; 3. Change the fan motor. 4. Change the fan motor. 5. Change the fan motor.
52	Abnormal speed control	<ol style="list-style-type: none"> 1. Bad driver board components; 2. The fan motor shaft clamping; 3. The fan motor insulation fails. 	<ol style="list-style-type: none"> 1. Change the drive board; 2. Change the fan motor. 3. Change the fan motor.
53	Out of phase detection fault	<ol style="list-style-type: none"> 1. Phase loss of the fan motor; 2. Bad drive board components. 	<ol style="list-style-type: none"> 1. Change the drive board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	<ol style="list-style-type: none"> 1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails. 	<ol style="list-style-type: none"> 1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	<ol style="list-style-type: none"> 1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails. 	<ol style="list-style-type: none"> 1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The drive board circuit fails.	Change the drive board.
57	The fan motor speed control integral saturation	<ol style="list-style-type: none"> 1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault. 	<ol style="list-style-type: none"> 1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
58	The fan motor D,Q axis current control error	<ol style="list-style-type: none"> 1. The fan motor overloads, the phase current is large; 2. The drive board fault. 	<ol style="list-style-type: none"> 1. Check the fan motor system; 2. Change the drive board.
59	The fan motor D,Q axis current control integral saturation	<ol style="list-style-type: none"> 1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault. 	<ol style="list-style-type: none"> 1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
60	The fan motor reverse	<ol style="list-style-type: none"> 1. Bad drive board components; 2. Wiring problems 	<ol style="list-style-type: none"> 1. Change the drive board; 2. Check the wiring.
61	IPM-PWM initialization fault	<ol style="list-style-type: none"> 1. EE logics error; 2. The drive board fails. 	<ol style="list-style-type: none"> 1. Change the drive board; 2. Change the drive board.

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Table 5 Analysis of the driving board fault(36K/42K)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Q axis current detection, failure in drive control	1. Compressor wire is not connected properly; 2. Bad driver board components; 3. Compressor start load is too large; 4. Compressor demagnetization; 5. Compressor oil shortage serious wear of crankshaft; 6. The compressor insulation fails.	1. Check the compressor wire; 2. Change the driver board; 3. Turn on the unit after the pressure is balanced again; 4. Change the Compressor; 5. Change the Compressor; 6. Change the Compressor.
2	Phase current detection, failure in drive control	1. Compressor voltage default phase; 2. Bad driver board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the driver board; 3. Change the Compressor.
3	Initialization, phase current imbalance	Bad driver board components.	Change the driver board .
4	Speed estimation, failure in drive control	1. Bad driver board components; 2. Compressor shaft clamping; 3. The compressor insulation fails.	1. Change the driver board ; 2. Change the Compressor ; 3. Change the Compressor .
5	IPM FO output fault	1. System overloads or current overloads. 2. Driver board fails; 3. Compressor oil shortage, serious wear of crankshaft; 4. The compressor insulation fault.	1. Check the air-conditioner system; 2. Change the driver board; 3. Change the Compressor; 4. Change the Compressor.
6	Communication between driver board and control board fault	1. Communication wire connect not well; 2. Driver board fault; 3. Control board fault;	1. Check the compressor wire connection. 2. Change the driver board; 3. Change the control board ;
7	AC voltage, overload voltage	1. Supply voltage input is too high or too low; 2. Driver board fails;	1. Check power supply; 2. Change the driver board;
8	DC voltage, overload voltage	1. Supply voltage input is too high ; 2. Driver board fault;	1. Check power supply; 2. Change the driver board;
9	AC voltage imbalance	Driver board fails;	Change the driver board;
10	The PFC current detection circuit fault before compressor is ON	Bad driver board components;	Change the driver board
11	AC voltage supply in outrange	1. Power supply is abnormal, and power frequency is out of range; 2. Driver board fails;	1. Check the system; 2. Change the driver board;
12	Products of single-phase PFC over-current, FO output low level	1. System overload, current is too large; 2. Driver board fault; 3. PFC fault.	1. Check the system; 2. Change the driver board; 3. Change PFC.
	Inverter over current (3-phase power supply air conditioners)	1. System overload, current is too large; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the Compressor; 4. Change the Compressor.
13	Inverter over current	1. System overload, current is too large; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the Compressor; 4. Change the Compressor.
14	PFC over current(single-phase air-conditioner)	1. System overload, current is too large; 2. Driver board fault; 3. PFC fault.	1. Check the system; 2. Change the driver board; 3. Change PFC.
	Phase imbalance or phase lacks or the instantaneous power failure (only for 3-phase power supply air conditioners)	1. 3-Phase voltage imbalance; 2. The 3-phase power supply phase lost; 3. Power supply wiring is wrong; 4. Driver board fault.	1, Check the power supply; 2. Check the power supply; 3. Check the power supply wiring connection; 4. Change the driver board.
15	The instantaneous power off detection	1. The power supply is not stable ; 2. The instantaneous power failure ; 3. Driver board fault;	1. Check the power supply; 2. Not a fault; 3. Change the driver board.

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Fault code	Fault description	Possible reasons for abnormality	How to deal with
16	Low DC voltage 200V	1. Voltage input is too low; 2. Drive board fault.	1. Check the power supply; 2. Change the driver board;
18	Driver board read EE data error	1. EEPROM has no data or data error; 2. EEPROM circuit fault.	1. Change EEPROM component; 2. Change the driver board.
19	PFC chip receive data fault	Abnormal communication loop.	Change the drive board.
20	PFC soft start is abnormal	Abnormal PFC drive loop.	Change the drive board.
21	The compressor drive chip could not receive data from PFC chip.	Communication loop fault.	Change the drive board.

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Table 6 Limitation Code

Code	Definitions	Descriptions
101	When overcurrent occurs, stop the frequency from increasing.	Current control
102	When overcurrent occurs, reduce the frequency.	Current control
103	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
104	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
105	When the discharge temperature is too high, stop the frequency from increasing.	Frequency control to keep appropriate discharge temperature.
106	When the discharge temperature is too high, reduce the frequency.	Frequency control to keep appropriate discharge temperature.
107	In cooling mode, when the temperature of the outdoor unit coil is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
108	In cooling mode, when the temperature of the outdoor unit coil is too high, reduce the frequency.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
113	To prevent the indoor unit from being frozen or high temperature, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the indoor unit coil.
114	To prevent the indoor unit from being frozen or high temperature, reduce the frequency.	Frequency control to keep appropriate temperature of the indoor unit coil.
119	When DSH exceeds the target value, the valve opening gets wider to adjust the flow.	Control on expansion valve based on DSH.
120	When DSH exceeds the target value, the valve opening gets narrower to adjust the flow.	Control on expansion valve based on DSH.
121	When DSH exceeds the target value, stop the valve opening from getting narrower.	Control on expansion valve based on DSH.
122	When DSH exceeds the target value, stop the valve opening from getting wider.	Control on expansion valve based on DSH.
131	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
132	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
134	When the discharge temperature is too high, stop the valve opening getting narrower.	Control on discharge temperature expansion valve.
140	The compressor overloads.	Control on the compressor output.
141	The compressor current overloads.	Control on the output torque of the compressor.

※ DSH: Discharge Super Heat

These codes appearing in the operation process indicate some kind of normal operation state, instead of faults, so they do not need to be dealt with.

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Table 7 Limitation Code

Fault code	Fault Description	Possible Reason of Abnormality	How to Deal With	Remarks
51	Drainage protection	<ol style="list-style-type: none"> 1. The water level of the drain pan exceed safe level; 2. The cable of the water level switch connect loose; 3. The water level switch is failure; 4. The control board is failure. 	<ol style="list-style-type: none"> 1.1 Check whether there are something to block the drain hose or the height of the drain hose is too high; 1.2 Check the water pump and replace the water pump if the water pump is failure; 2. Reconnect the cable of the water level switch refer to the wiring diagram; 3. Replace the water level switch; 4. Replace the control board. 	
55	Mode Conflict Fault	The user set the conflicting mode for more than two indoor units	Reset the operate mode for the indoor unit, for the one outdoor unit, the user should avoid to set the conflicting operate mode with the indoor units.	
64	Communication between Indoor & Outdoor unit Fault	<ol style="list-style-type: none"> 1. The connection cable between the indoor unit and the outdoor unit connect wrong; 2. The communication cable connect loose; 3. The communication cable between the indoor unit and the outdoor unit is failure or the cable between the indoor control board to terminal is failure or the cable between the outdoor control board to the terminal is failure; 4. The indoor control board is failure; 5. The outdoor control board is failure. 	<ol style="list-style-type: none"> 1. Reconnect the connection cable refer to the indoor and outdoor wiring diagram; 2. Reconnect the communication cable refer to the indoor and outdoor wiring diagram; 3. Replace the communication cable refer to the indoor and outdoor wiring diagram; 4. Replace the indoor control board; 5. Replace the outdoor control board. 	
71	Indoor unit zero check fault	<ol style="list-style-type: none"> 1. The motor wire is loosen; 2. The motor connect is open; 3. The motor is failure; 4. Control board is failure. 5. Indoor fan is baffled. 	<ol style="list-style-type: none"> 1. Replace the motor wire and make sure the wire connect is well; 2. Replace the motor wire; 3. Change the motor; 4. Change the indoor control board; 5. Check and elimination of fan motor rotation. 	
72	Indoor fan motor fault	<ol style="list-style-type: none"> 1. The cable of the indoor fan motor connect loose; 2. The cable of the indoor fan motor is failure; 3. The indoor fan motor is failure; 4. The indoor control board is failure. 	<ol style="list-style-type: none"> 1. Reconnect the cable of the fan motor; 2. Replace the cable of the fan motor; 3. Replace the fan motor; 4. Replace the indoor control board; 5. Check the indoor fan and ensure the indoor fan can run normally. 	
73	Indoor EEPROM Data 1 fault	<ol style="list-style-type: none"> 1. Indoor EE components is failure; 2. The control circuit of the EE components is failure; 3. The EE components has been inserted with opposite direction. 	<ol style="list-style-type: none"> 1. Replace the EE components; 2. Replace the indoor control board; 3. Reassembly the EE components of the indoor control board. 	

15. TROUBLESHOOTING

Fault code	Fault Description	Possible Reason of Abnormality	How to Deal With	Remarks
74	Indoor EEPROM Data 2 error	EE in MCU is failure, the unit can run, but the function user has set is ineffective.	Replace EE data in MCU.	
81	Indoor ambient Temperature Sensor Fault	<ol style="list-style-type: none"> 1. The cable of the room temperature sensor connect loose; 2. The room temperature sensor is failure; 3. The sampling circuit is abnormally 	<ol style="list-style-type: none"> 1. Reconnect the cable of the room temperature sensor; 2. Replace the room temperature sensor; 3. Replace the indoor control board. 	
83	Evaporator Middle Temperature Sensor Fault	<ol style="list-style-type: none"> 1. The cable of the coil temperature sensor of the evaporator is failure; 2. The coil temperature sensor of the evaporator is failure; 3. The sampling circuit is abnormally 	<ol style="list-style-type: none"> 1. Reconnect the cable of the coil temperature sensor of the evaporator; 2. Replace the coil temperature sensor of the evaporator; 3. Replace the indoor control board. 	
FE (254)	Communication between main control board & Wiring remote controller Fault (display on wiring remote controller)	<ol style="list-style-type: none"> 1. The wiring between the wiring controller to the indoor control board connect loose; 2. The sequence of the wiring between the wiring controller to the indoor control board is wrong; 3. The wiring between the wiring controller to the indoor control board is failure; 4. The wiring controller is failure; 5. The indoor control board is abnormally. 	<ol style="list-style-type: none"> 1. Reconnect the wiring between the wiring controller to the indoor control board; 2. Replace the wiring between the wiring controller to the indoor control board; 3. Replace the wiring between the wiring controller to the indoor control board; 4. Replace the wiring controller; 5. Replace the indoor control Board. 	
ER	Communication between main control board & display board Fault (displays on display board)	<ol style="list-style-type: none"> 1. The wiring between the display board to the indoor control board connect loose; 2. The sequence of the wiring between the display board to the indoor control board is wrong; 3. The wiring between the display board to the indoor control board is failure; 4. The display board is failure; 5. The indoor control board is failure. 	<ol style="list-style-type: none"> 1. Reconnect the between the display board to the indoor control board; 2. Replace the wiring between the display board to the indoor control board; 3. Replace the wiring between the display board to the indoor control board; 4. Replace the display board; 5. Replace the indoor control board. 	

16. CHECKING COMPONENTS

16. Checking components

16.1 Check refrigerant system

TEST SYSTEM FLOW

Conditions: ① Compressor is running.

② The air condition should be installed in good ventilation.

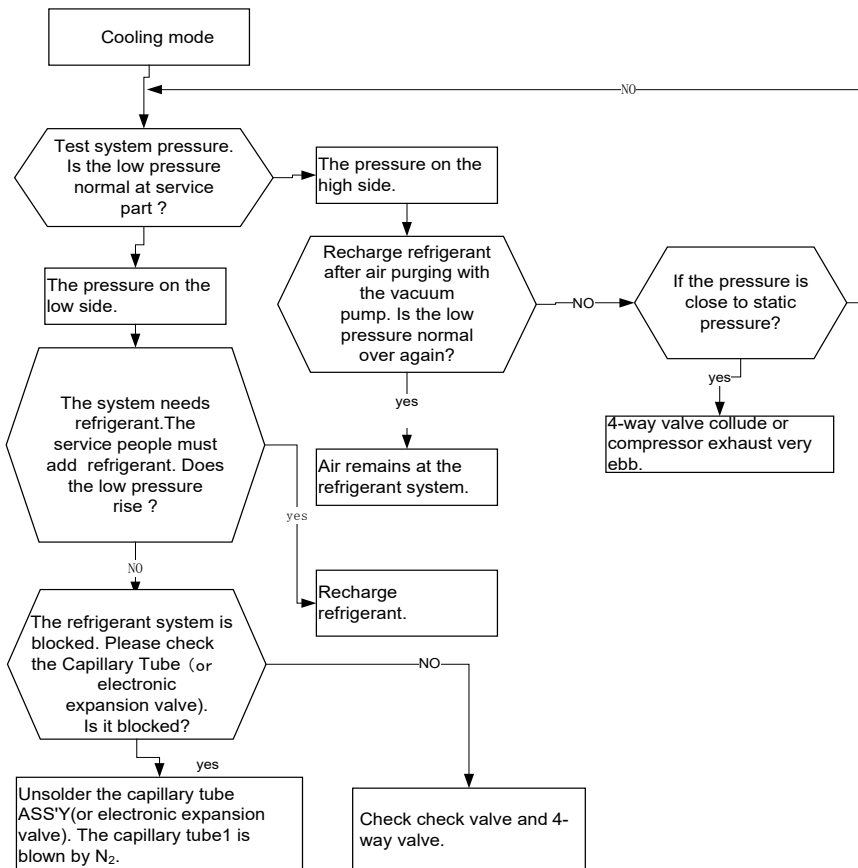
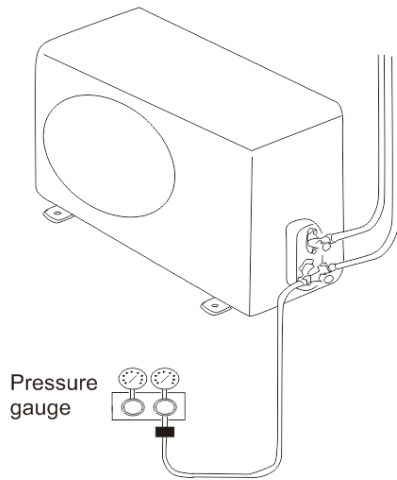
Tool: Pressure Gauge

Technique: ① see ② feel ③ test

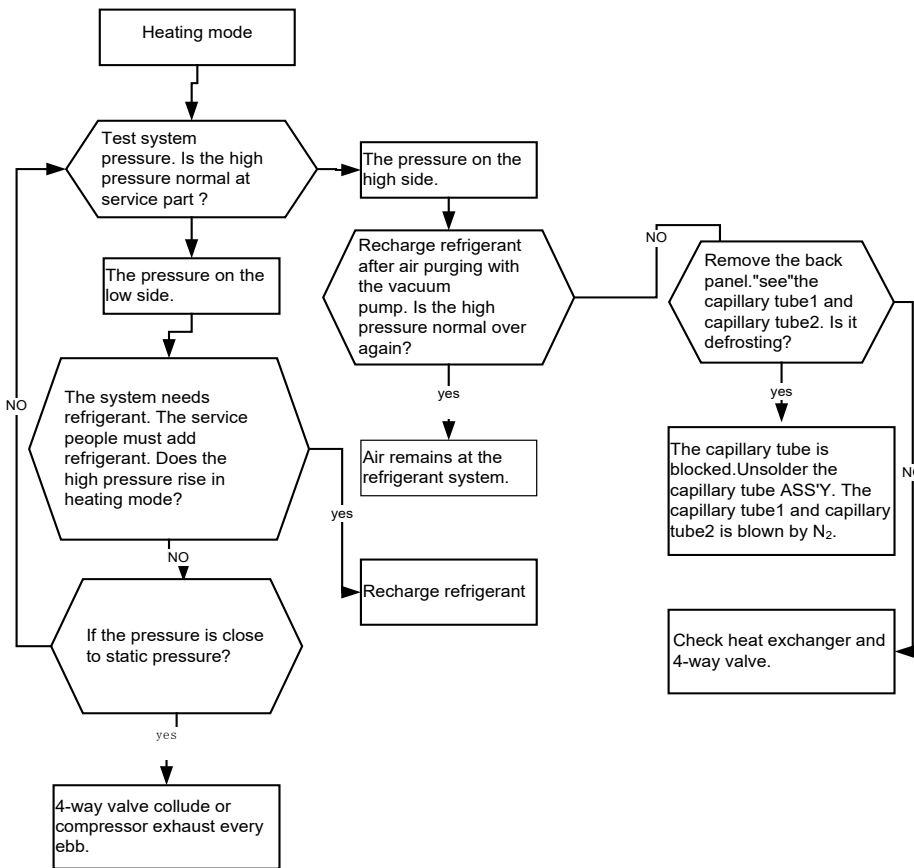
See ----- Tube defrost.

Feel ----- The difference between tube's temperature.

Test ----- Test pressure.



16. CHECKING COMPONENTS



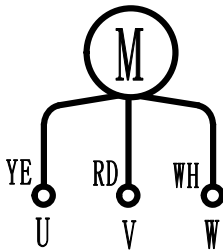
16.2 Check parts unit

1. Fan motor

Outdoor unit fan motor(DC type)

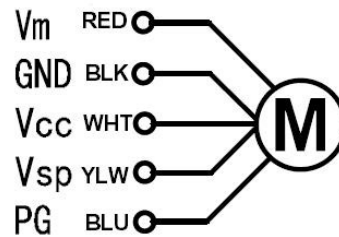
18K model: ZWBZ1710L00A

24K/27K model: ZWB1710L00A



36K: SIC-71FW-D8121-1

42K: SIC-81FW-F1138-1

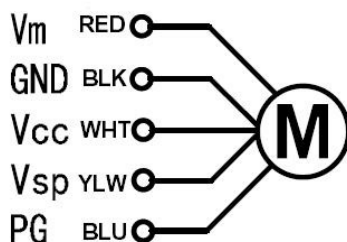


Indoor unit fan motor

9K: SIC-68CVL-F140-3

12K: SIC-68CVL-F140-1

18K/24K: SIC-68CVL-F160-2



16. CHECKING COMPONENTS

Test in voltage(For DC motor)

TOOL: Multimeter.

Insert screwdriver to rotate indoor fan motor slowly for 1 revolution or over, and measure voltage “YELLOW” and “GND” on motor. The voltage repeat 0V DC and 5V DC.

NOTE: Please don't hold motor by lead wires.

Please don't plug IN/OUT the motor connector while power ON.

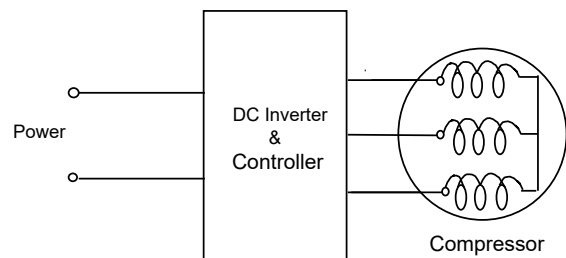
Please don't drop hurl or dump motor against hard material. Malfunction may not be observed at early stage after such shock. But it may be found later, this type of mishandling void our warranty.

2.Compressor

18K: KTN150D42UFZ

24K/27K/36K: KTM240D43UMT

42K: KTF400D64UMT



Compressor examine and repair

Test in resistance.

TOOL: Multi-meter.

Test the resistance of the winding. The compressor fails if the resistance of winding is 0 (short circuit) or ∞ (open circuit).

Familiar error:

- 1) Compressor motor lock.
- 2) Discharge pressure value approaches static pressure value.
- 3) Compressor motor winding abnormality.

Notes:



- 1) Don't put a compressor on its side or turn over.
- 2) Please assemble the compressor in your air conditioner rapidly after removing the plugs.
Don't place the comp. in air for a long time.
- 3) Avoid compressor running in reverse caused by connecting electrical wire incorrectly.
- 4) Warning! In case AC voltage is impressed to compressor, the compressor performance will decrease because of its rotor magnetic force decreasing.

17. DISASSEMBLY PROCEDURE

17. Disassembly procedure

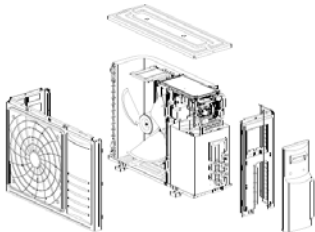
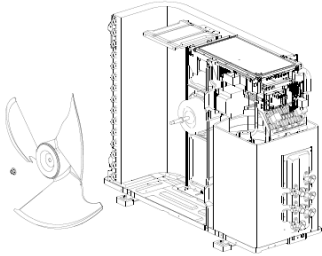
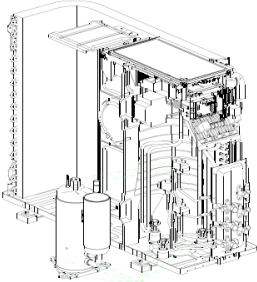
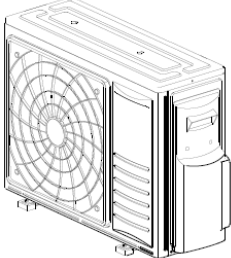
Disassembly and assembly for compressor and motor

The special tools for compressor & motor disassembly and assembly:

Tool	
1	Hexagon Screwdriver 
2	Hexagon Socket 

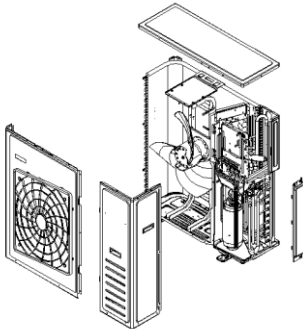
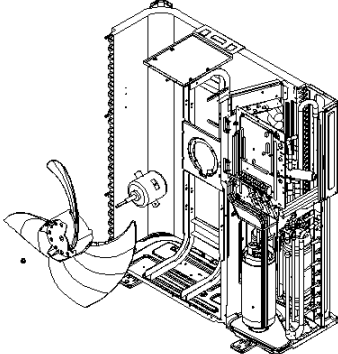
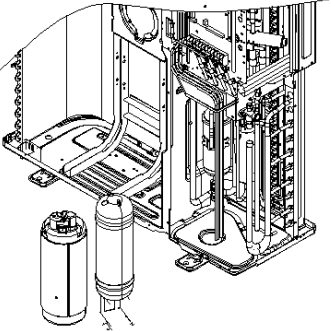
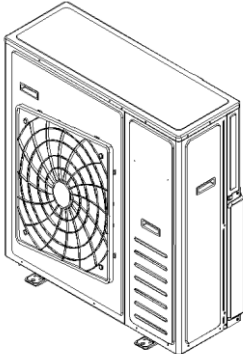
Outdoor unit

18K~36K

Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1. Remove external casing		<ol style="list-style-type: none"> 1. Remove the top cover and terminal parts; 2. Remove the outer case and right side plate.
2. Remove motor		<ol style="list-style-type: none"> 1. Remove the blade nut and then remove the blade; 2. Remove the motor from motor supporter.
3. Remove compressor		<ol style="list-style-type: none"> 1. Reclaim the refrigerant from the entire system; 2. Unsolder the piping assembly from compressor; 3. Remove the compressor mounting bolts; 4. Carefully remove the compressor from chassis.
4. Assemble unit		Assemble the unit in the reverse order of disassembly.

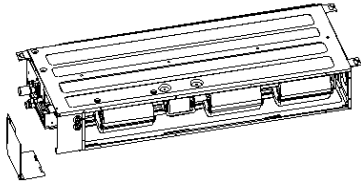
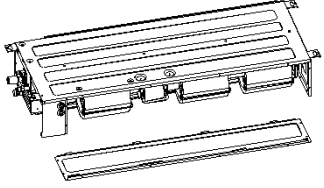
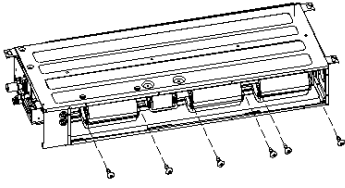
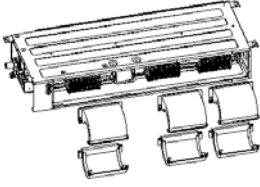
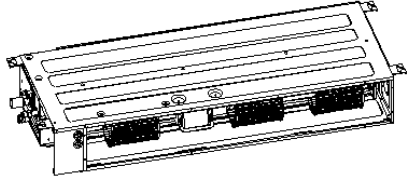
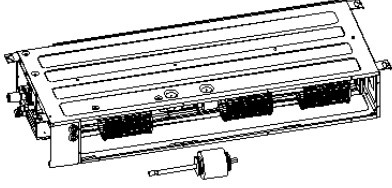
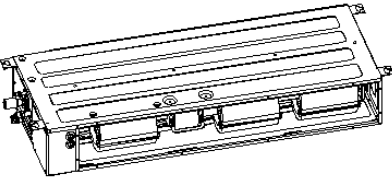
17. DISASSEMBLY PROCEDURE

42K

Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1. Remove the external casing		<ol style="list-style-type: none"> 1. Remove the top cover, handle and valve cover; 2. Remove the outer case and right side plate.
2. Remove the motor		<ol style="list-style-type: none"> 1. Remove the blade nut and then remove the blade; 2. Remove the motor from the motor supporter.
3. Remove the compressor		<ol style="list-style-type: none"> 1. Reclaim the refrigerant from the entire system. 2. Unsolder the 4-way valve piping assy from compressor. 3. Remove the compressor mounting bolts. 4. Carefully remove the compressor from chassis.
4. Assemble the unit		Assemble the unit in the reverse order of disassembly.

17. DISASSEMBLY PROCEDURE

Indoor unit

Removal and Assembly of Fan Motor		
Important: Before removing the fan, make sure power to the system is disconnected.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the base board		Loose and take out the screws fixing the base board, then remove the base board.
3. Remove the screws on fan sub-assembly.		Remove the screws on fan sub-assembly.
4. Removing the fan cage enclosure		Rotate the fan cage housing toward supply opening and remove.
5. Loosen the fan, crosshead and motor.		Use a hex wrench to loosen the screws holding the fan cage to the motor shaft, and the screws holding the crosshead to the motor shaft. Remove outer housing holding motor in place.
6. Replace the motor		Remove the motor from the support bracket. Then remove the fan cages from the motor shafts. Remove the motor from the air inlet and replace with new motor. Be sure to tighten the cages onto the motor shafts.
7. Reassembly of the unit		Reassemble the unit in the reverse order of disassembly and test operation.

Hisense

Hisense

SPLIT TYPE AIR CONDITIONER

SERVICE MANUAL

Version: 1.0



Hisense Corporation

MODEL:

Note: “ ** ” mean code of Front Panel (See in 3-1 .Product Pictures).

AST-09UR4RME**01
AST-12UR4RME**02
AST-18UR4RXA**02
AST-24UR4RBB**03
AS-28UW4RKB**00

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1. Safety Considerations

IMPORTANT!

Please Read Before Starting

This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to install or service the system, so it operates safely and efficiently.

For safe installation and trouble-free operation, you must:

- Carefully read this instruction booklet before beginning.
- Follow each installation or repair step exactly as shown.
- Observe all local, state, and national electrical codes.
- Pay close attention to all warning and caution notices given in this manual.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

If Necessary, Get Help

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

In Case of Improper Installation

The manufacturer shall in no way be responsible for improper installation or maintenance service, including failure to follow the instructions in this document.

SPECIAL PRECAUTIONS

When Wiring



ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. ONLY A QUALIFIED, EXPERIENCED ELECTRICIAN SHOULD ATTEMPT TO WIRE THIS SYSTEM.

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause accidental injury or death.
- Ground the unit following local electrical codes.
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible fire hazard.

When Transporting

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

When Installing

● In a Ceiling or Wall

Make sure the ceiling/wall is strong enough to hold the unit's weight. It may be necessary to construct a strong wood or metal frame to provide added support.

● In a Room

Properly insulate any tubing run inside a room to prevent "sweating" that can cause dripping and water damage to walls and floors.

● In Moist or Uneven Locations

Use a raised concrete pad or concrete blocks to provide a solid, level foundation for the outdoor unit. This prevents water damage and abnormal vibration.

● In an Area with High Winds

Securely anchor the outdoor unit down with bolts and a metal frame. Provide a suitable air baffle.

● In a Snowy Area (for Heat Pump-type Systems)

Install the outdoor unit on a raised platform that is higher than drifting snow. Provide snow vents.

When Connecting Refrigerant Tubing

△ Use the flare method for connecting tubing.

△ Apply refrigerant lubricant to the matching surfaces of the flare and union tubes before connecting them, then tighten the nut with a torque wrench for a leak free connection.

△ Check carefully for leaks before starting the test run.

When Servicing

△ Turn the power OFF at the main power box (mains) before opening the unit to check or repair electrical parts and wiring.

△ Keep your fingers and clothing away from any moving parts.

△ Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.

Others



△ Ventilate any enclosed areas when installing or testing the refrigeration system. Escaped refrigerant gas, on contact with fire or heat, can produce dangerously toxic gas.

△ Confirm upon completing installation that no refrigerant gas is leaking. If escaped gas comes in contact with a stove, gas water heater, electric room heater or other heat source, it can produce dangerously toxic gas.

NOTE:

The figure, size and parameter of the product may not be identical with the service manual, please take the actual product as the standard.

Precautions for using R32 refrigerant

The basic installation work procedures are the same as the conventional refrigerant (R22 or R410A). However, pay attention to the following points:

1. Transport of equipment containing flammable refrigerants Compliance with the transport regulations
2. Marking of equipment using signs Compliance with local regulations
3. Disposal of equipment using flammable refrigerants Compliance with national regulations
4. Storage of equipment/appliances The storage of equipment should be in accordance with the manufacturer's instructions.
5. Storage of packed (unsold) equipment Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.

The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

6. Information on servicing

6-1 Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

6-2 Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of flammable gas or vapour being present while the work is being performed.

6-3 General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

6-4 Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres.

Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

6-5 Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.

Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

6-6 No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.

All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space.

Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.

6-7 Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.

A degree of ventilation shall continue during the period that the work is carried out.

The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

6-8 Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- The ventilation machinery and outlets are operating adequately and are not obstructed;
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

-
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
 - Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

6-9 Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.

If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.

If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.

This shall be reported to the owner of the equipment so all parties are advised. Initial safety checks shall include:

- That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

7. Repairs to sealed components

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.

If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres.

Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE:

The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

8. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer.

Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

9. Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.

The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10. Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks.

A halide torch (or any other detector using a naked flame) shall not be used.

11. Leak detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants:

- Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/ extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.
- Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

12. Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used.

However, it is important that best practice is followed since flammability is a consideration.

The following procedure shall be adhered to:

- Remove refrigerant;
- Purge the circuit with inert gas;
- Evacuate;
- Purge again with inert gas;
- Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders.

The system shall be “flushed” with OFN to render the unit safe.

This process may need to be repeated several times.

Compressed air or oxygen shall not be used for this task.

Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.

This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

This operation is absolutely vital if brazing operations on the pipe-work are to take place.

Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

13. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed:

- Ensure that contamination of different refrigerants does not occur when using charging equipment.
- Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system it shall be pressure tested with OFN.

The system shall be leak tested on completion of charging but prior to commissioning.

A follow up leak test shall be carried out prior to leaving the site.

14. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended good practice that all refrigerants are recovered safely.

Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential

that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:

– Mechanical handling equipment is available, if required, for handling refrigerant cylinders;

– All personal protective equipment is available and being used correctly;

– The recovery process is supervised at all times by a competent person;

– Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

h) Do not overfill cylinders. (No more than 80 % volume liquid charge). I) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

15. Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.

The label shall be dated and signed.

Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

16. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.

Ensure that the correct number of cylinders for holding the total system charge is available.

All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).

Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.

Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.

In addition, a set of calibrated weighing scales shall be available and in good working order.

Hoses shall be complete with leak-free disconnect couplings and in good condition.

Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.

Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged.

Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.

The evacuation process shall be carried out prior to returning the compressor to the suppliers.

Only electric heating to the compressor body shall be employed to accelerate this process.

When oil is drained from a system, it shall be carried out safely.

When moving or relocating the air conditioner, consult experienced service technicians for disconnection and reinstallation of the unit.

Do not place any other electrical products or household belongings under indoor unit or outdoor unit. Condensation dripping from the unit might get them wet, and may cause damage or malfunction of your property.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example, open flames, an operating gas appliance or an operating electric heater).

Do not pierce or burn.

Be aware that refrigerants may not contain an odor.

To keep ventilation openings clear of obstruction.

The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).

Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorized their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.

Servicing shall only be performed as recommended by the equipment manufacturer.

Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

Appliance shall be installed, operated and stored in a room with a floor area larger than 10 m².

The installation of pipe-work shall be kept to a room with a floor area larger than 10 m².

The pipe-work shall be compliance with national gas regulations. The maximum refrigerant charge amount is 2.5 kg.

Mechanical connectors used indoors shall comply with ISO 14903. When mechanical connectors are reused indoors, sealing parts shall be renewed.

When flared joints are reused indoors, the flare part shall be re-fabricated.






The installation of pipe-work shall be kept to a minimum.

Mechanical connections shall be accessible for maintenance purposes.

The indoor unit shall only be connected to outdoor units suitable for the same refrigerant.

The unit is a partial unit air conditioner, complying with partial unit requirements of the International Standard, and must only be connected to other units that have been confirmed as complying to corresponding partial unit requirements.

Explanation of symbols displayed on the indoor unit or outdoor unit.

	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

2. Product Picture and Drawing

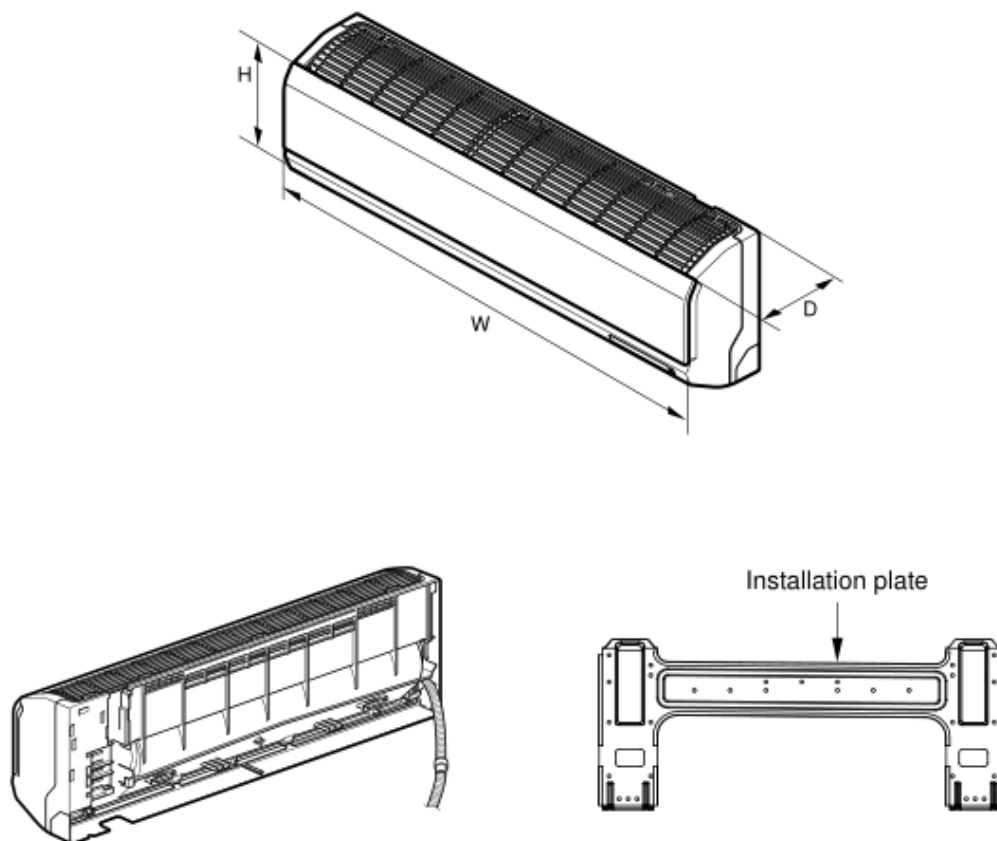
2-1. Product Pictures

Indoor units:

Front Panel	DJ
View	

2-2. Product dimensions

Indoor units:



Model	W (mm)	H (mm)	D (mm)
AST-09UR4RMEDJ01	815	270	210
AST-12UR4RMEDJ02	815	270	210
AST-18UR4RXADJ02	915	315	229
AST-24UR4RBDJ03	1087	315	229
AST-28UW4RKBDJ00	1087	315	229

3. Installation Instruction



WARNING

To prevent abnormal heat generation and the possibility of fire, do not place obstacles, enclosures and grilles in front of or surrounding the air conditioner in a way that may block air flow. And, more than 1 meter away from any antenna or power lines or connecting wires used for TV, radio, telephone, security system, or intercom. Electrical noise from any of these sources may affect operation.

3-1. Installation Place and Condition

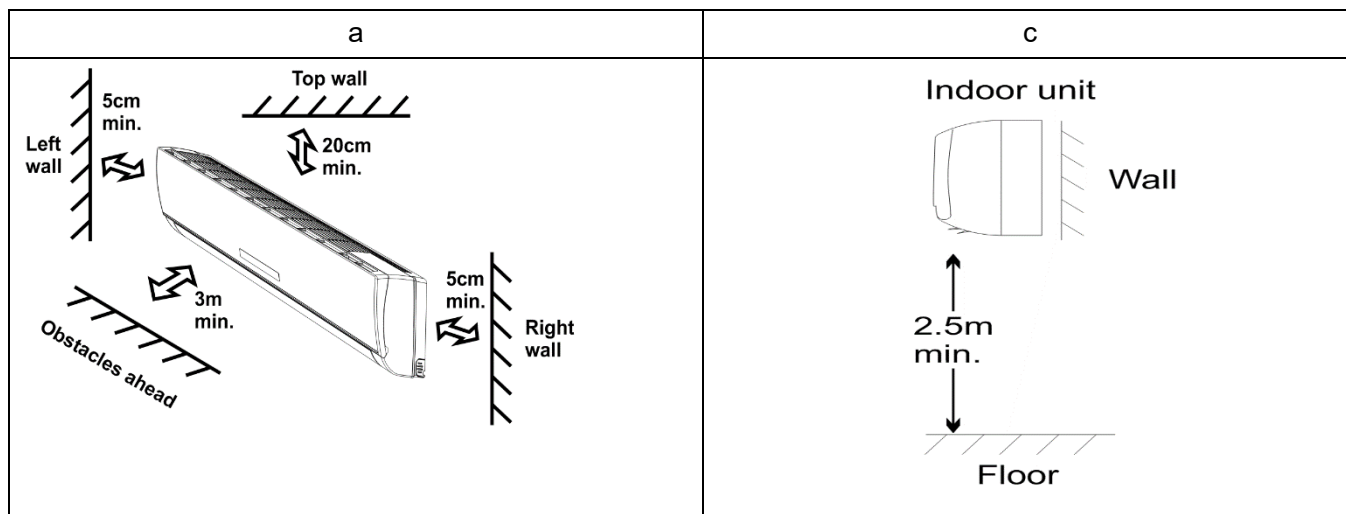
Indoor unit

Avoid:

- △ direct sunlight.
- △ nearby heat sources that may affect performance of the unit.
- △ areas where leakage of flammable gas may be expected.
- △ places where large amounts of oil mist exist.

Do:

- △ Select an appropriate position from which every corner of the room can be uniformly cooled.
- △ Select a location that will hold the weight of the unit.
- △ Select a location where tubing and drain hose have the shortest run to the outside. (See a)



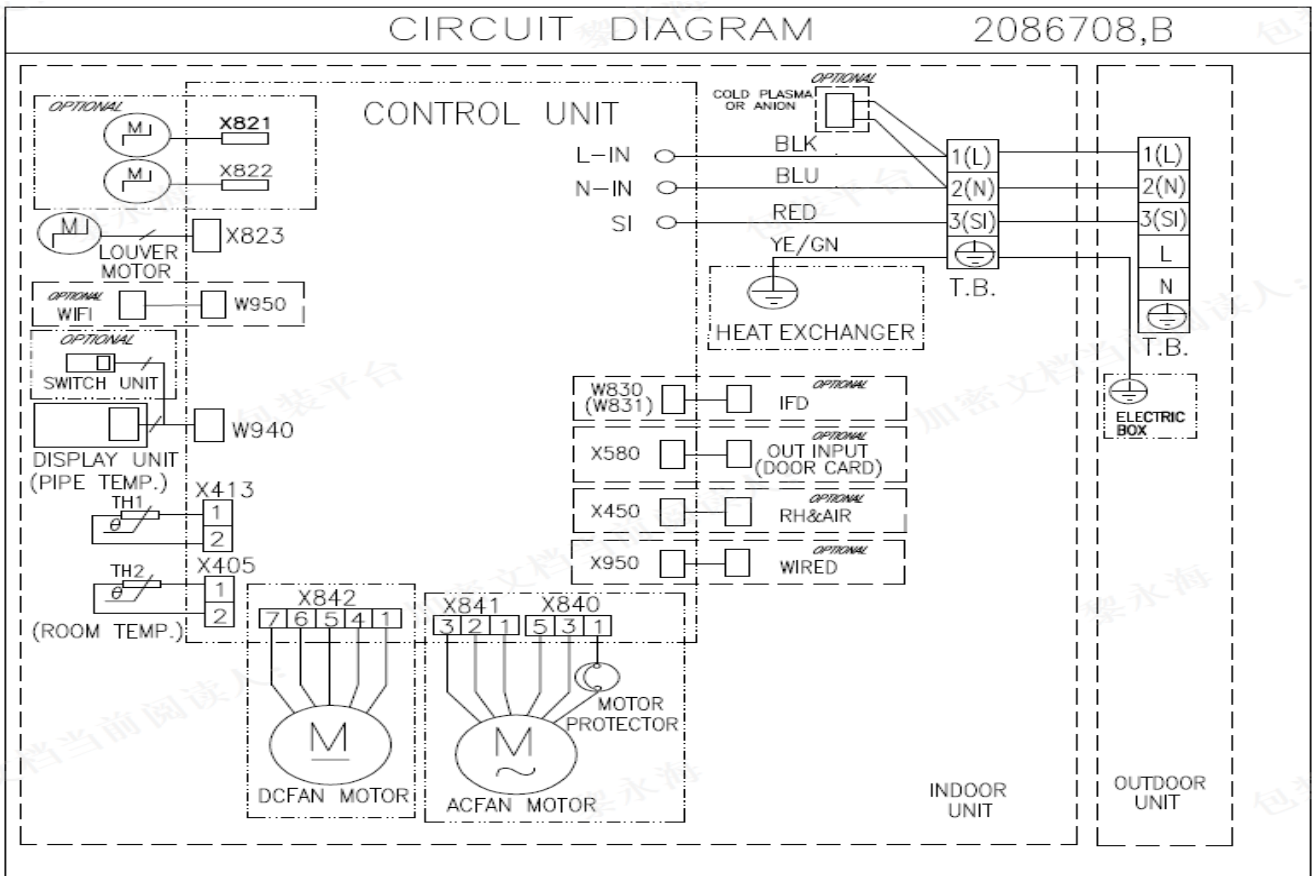
3-2. Electric Wiring Diagram

Model	Indoor Unit DIAGRAM
AST-09UR4RME**01	2086708
AST-12UR4RME**02	2086708
AST-18UR4RXA**02	2086708
AST-24UR4RBB**03	2086708

Note: “ ** ” mean code of Front Panel.

Indoor Unit:

2086708



3-3. Test Running

△ Check after Installation

Items to be checked	Possible malfunction
Has it been fixed firmly?	The unit may drop, shake or emit noise.
Have you done the refrigerant leakage test?	It may cause insufficient cooling(heating)capacity
Is heat insulation sufficient?	It may cause condensation and dripping.
Is water drainage satisfactory?	It may cause condensation and dripping.
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage the product.
Is the electric wiring and piping connection installed correctly and securely?	It may cause electric malfunction or damage the part.
Has the unit been connected to a secure earth connection?	It may cause electrical leakage.
Is the power cord specified?	It may cause electric malfunction or damage the part.
Are the inlet and outlet openings blocked?	It may cause insufficient cooling(heating)capacity.
Is the length of connection pipes and refrigerant capacity been recorded?	The refrigerant capacity is not accurate.

△Operation Test

1. Before Operation Test

- (1)Do not switch on power before installation is finished completely.
- (2)Electric wiring must be connected correctly and securely.
- (3)Cut-off valves of the connection pipes should be opened.
- (4)All the impurities such as scraps and thrums must be cleared from the unit.

2. Operation Test Method

- (1)Switch on power and press "ON/OFF" button on the remote controller to start the operation.
- (2)Press MODE button to select the COOL, HEAT (Cooling only unit is not available), FAN to check whether the operation is normal or not.

4. Electrical Characteristics

4-1. Print Circuit Board (Indoor)

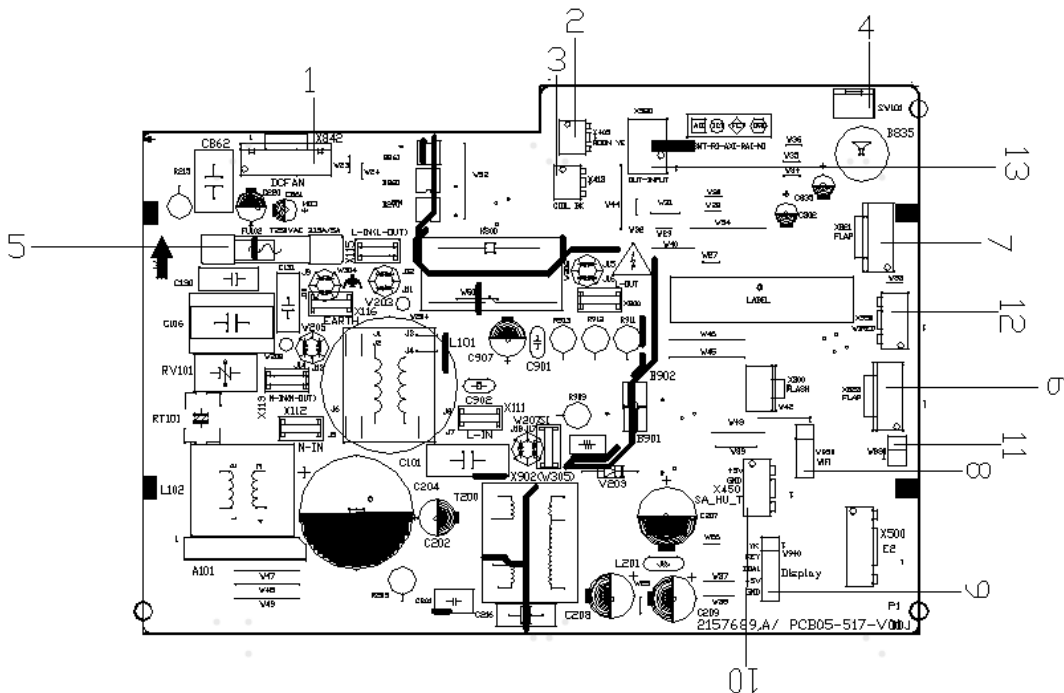
Model	Indoor unit
AST-09UR4RME**01	2157689
AST-12UR4RME**02	2157689
AST-18UR4RXA**02	2110521
AST-24UR4RBB**03	2157689
AS-28UW4RKB**00	2157689

Note:

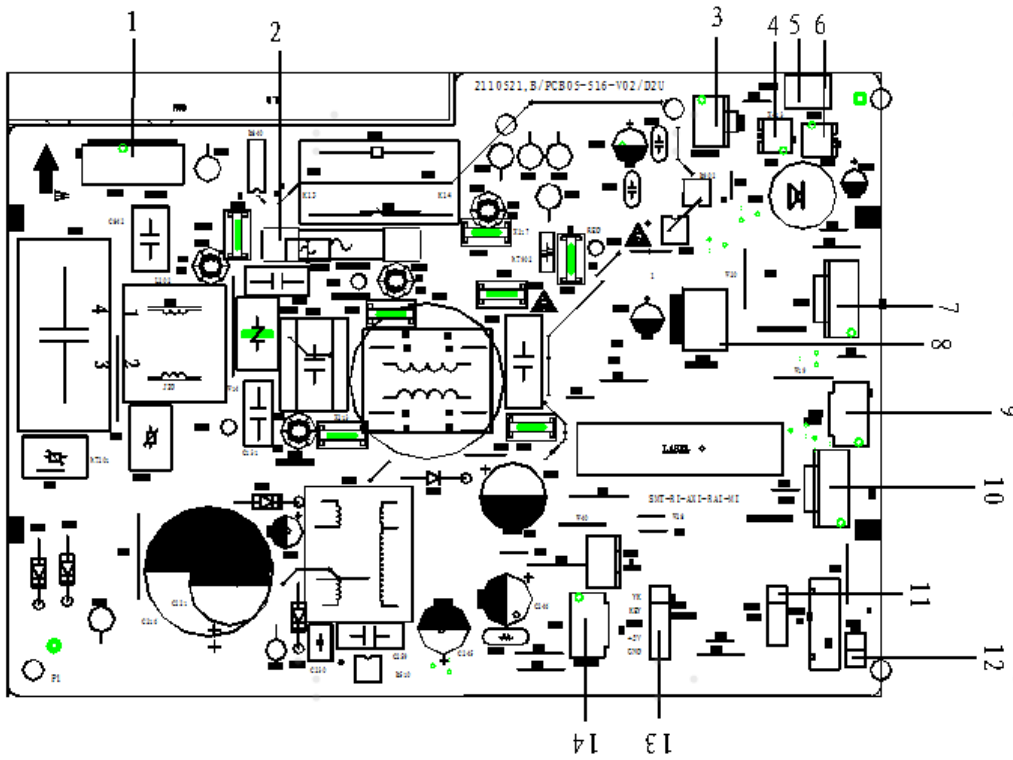
1. “ ** ” mean code of Front Panel
2. These colds are not spare parts' cold, Please don't use these colds to order spare parts.

Model of indoor

2157689



1	DC Fan : interface of PG motor	8	Wifi Interface
2	ROOM: Room temperature Sensor	9	Display Interface
3	COIL: Pipe temperature Sensor	10	SA_HU_T: Temperature and Humidity Sensor
4	Switch Button	11	IFD
5	Protective tube	12	wired
6	Up & Down Swing	13	out-input
7	Left & Right Swing		



1	Interface of PG motor(WHITE)	8	Out input interface
2	Protective tube	9	Wiring control interface(WHITE)
3	Feedback from PG motor(WHITE)	10	Up&down swing
4	Pipe temperature sensor	11	Wifi interface
5	Switch button	12	Ifd control interface
6	Room temperature sensor	13	Display interface
7	Left&right swing	14	Humidity detection interface