DAIKIN

ED 43 - 441

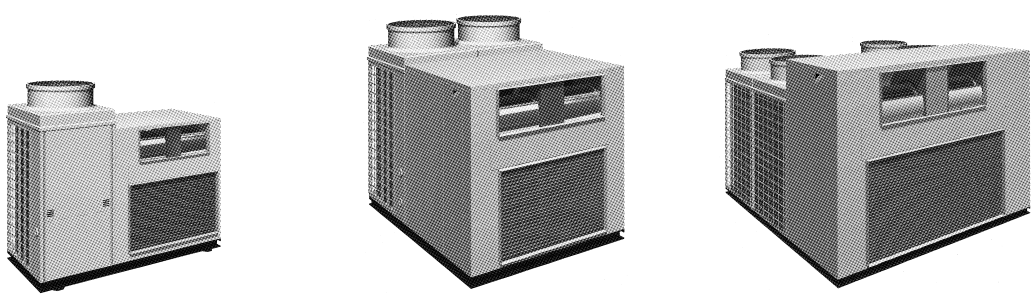
ENGINEERING DATA

Air Cooled
Single Packaged Air Conditioners
Roof Top Type

Series

UATY - K

Heat Pump



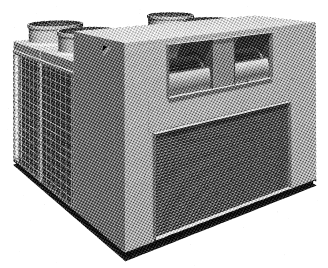
DAIKIN INDUSTRIES, LTD.

Air Cooled Single Packaged Roof Top Type

UATY06K	UATY12K
UATY08K	UATY15K
UATY09K	UATY18K
UATY10K	UATY21K

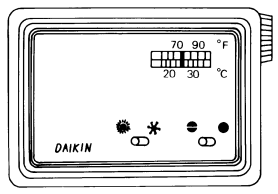
UATY06K

UATY08K
UATY09K
UATY10K
UATY12K



UATY15K
UATY18K
UATY21K

Digital Remote Controller
KRC47-5



Remote Controller
KRC17-2B

1. Features

1.1 Features

Model Range

UATY06K~21K

Operation Range (Outdoor Temp)

5°CDB~52°CDB Cooling
-10°CWB~15.5°CWB Heating

Capacity Range

17.7kW~61.6kW (50/60Hz) Cooling
18.1kW~62.8kW (50/60Hz) Heating

Installation

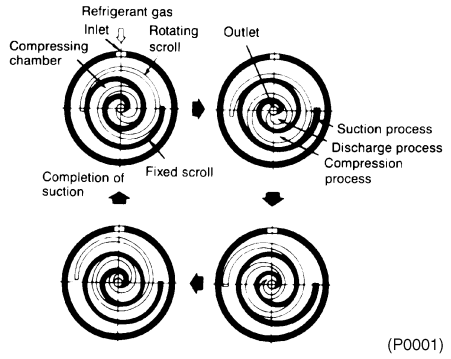
Easy to install on rooftop or veranda, requiring only ducting, power line and drain piping.

Casing

The casing is made of paintable galvanized steel plate and treated against rust. Since the unit is installed outdoors, the casing is completely weather-proof.

Scroll Compressor

Daikin's innovative scroll compressor is 10% lighter and 30% smaller than equivalent conventional reciprocating compressors. This makes this series among the industry's most lightweight and compact, than previous models. Also, since the scroll compressor generates less vibration, this series has greatly improved its durability and achieved the industry's lowest operation sound. Moreover, the installation of the latest scroll compressor has further improved system efficiency. The recycling guard timer prevents frequent ON/OFF switching, and protects the compressor against overloads due to short cycling.



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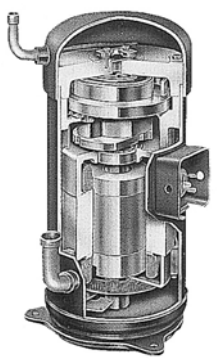
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<NEW> Central Remote Control with VRV

By adopting Central Control Adaptor Kit (DTA107A55), you can control UATY series using like VRV such as Central Remote Controller (DCS302C61), Schedule Timer (DST301B61) and Unified ON/OFF Controller (DCS301B61).

With these controller the following functions are available:

1. Operation and Monitoring ON/OFF
2. Setting and Monitoring of Operation Mode
3. Temperature Setting
4. Forced Shut Down
5. Group Control
6. Indication of Alarm
7. Setting of Timer
8. Setting and Cleaning Sign of Air Filter
9. ON/OFF Group Control

For the detail, refer to **15.4 Details of DTA107A55 (Central Control Adaptor Kit)**.

Remote Controller (Optional)

Remote Controller encases a sensible thermostat to ensure accurate temperature control.

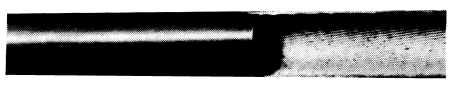
The Microcomputer Type Deicer

The microcomputer type deicer is capable of sensing both refrigerant and outdoor temperature with its highly sensible dual thermistors, and eliminates such waste as that defrosting is accomplished although the outdoor coil is frosted only thinly when outdoor temperature is low.
Thus, the microcomputer type deicer not only saves unnecessary power, but also ensures constant comfortable heating. In addition, the deicer is capable of selecting defrosting cycles, longer or shorter depending on the volume of frost on the outdoor coil.

Evaporator and Condenser

Efficient cross fin coils are used: the unique waffle louver fins*1 maximize heat exchange efficiency, while the Hi-XA copper tube*2, featuring an inner spiral groove, fully exploits refrigerant turbulence to help increase heat exchange efficiency. The result is substantial energy savings.
The fin of the heat exchanger is finished with special acrylic coating (PE fin), and highly resistant to corrosion due to acid rain, sea breeze, etc.

Hi-XA tube



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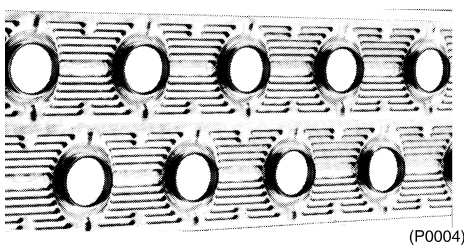
Waffle louver fins



(P0004)

U.S. PAT.
***1 : No.4,434,844**
***2 : No.4,480,684**

Heating Capacity at Low Outdoor Temperature

The heating capacities tabulated do not include capacity drop during frosting period and defrosting operation.
Namely, the integrated heating capacities in consideration with capacity drop during frosting period and defrosting operation are obtained from the following formula.

Integrated heating capacity = (Capacity tabulated) X
(Integrated correction factor during frosting period) (kcal/h)

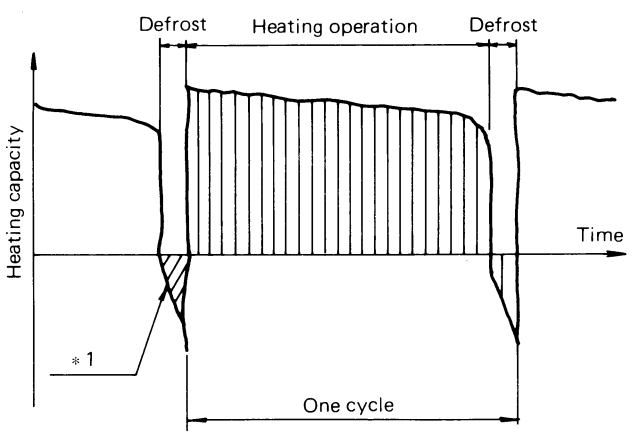
Correction Factor for Obtaining Integrated Heating Capacity

Entering air temp. to air cooled heat exchanger [°CWB RH=85%]	-6	-4	-2	0	2	4	6
Integrated correction factor during frosting period	0.95	0.93	0.87	0.81	0.83	0.89	1.00

Note: Integrated heating capacity means that heating capacity during one cycle (between defrosting period and defrosting period) as shown on Page 5, which is integrated and converted to heating capacity per hour.

Cool Air Discharge

During defrosting in the zone marked with ∗1, the unit is under cooling operation, discharging the cool air from the indoor side.
It is advisable to attach a duct heater on the spot to heat the air for constant heating or make heating temperature higher.
Defrosting time changes depending on the outdoor air temperature. At normal conditions, it takes 6~8 minutes or at most 10 minutes before heating operation restarts.



(P0005)

Note: In case the surface of the heat exchanger is covered with snow, heating capacity drops temporarily although it differs with outdoor temperature (°CWB), relative humidity (RH) and frosting volume.

2. Power Supply

2.1 Power Supply

Symbol	Model	Power Supply
Y1	UATY06KY1	3ϕ 380~415V 50Hz (4 wires)
	UATY08KY1	
	UATY09KY1	
	UATY10KY1	
	UATY15KY1	
	UATY18KY1	
	UATY21KY1	
TAL	UATY06KTAL	3ϕ 220V 60Hz (3 wires)
	UATY08KTAL	
	UATY09KTAL	
	UATY12KTAL	
	UATY15KTAL	
	UATY18KTAL	
	UATY21KTAL	
YAL	UATY06KYAL	3ϕ 380V 60Hz (4 wires)
	UATY08KYAL	
	UATY09KYAL	
	UATY12KYAL	
	UATY15KYAL	
	UATY18KYAL	
	UATY21KYAL	

3. Specifications

3.1 50Hz

Model				UATY06KY1	UATY08KY1	UATY09KY1	UATY10KY1
*1 Cooling Capacity			USRT	5	6	7.5	9
			kW	17.7	22.0	26.4	31.4
			Btu/h	60,300	75,000	90,000	107,200
			kcal/h	15,200	18,900	22,700	27,000
*2 Cooling Capacity			kW	(15.5)	(19.8)	(23.8)	(28.3)
			Btu/h	(52,900)	(67,600)	(81,200)	(96,600)
*3 Heating Capacity			kW	18.1	23.0	26.9	32.1
			Btu/h	62,000	78,600	91,700	109,600
			kcal/h	15,600	19,800	23,100	27,600
Capacity Steps			%	100-0	100-0	100-0	100-0
Connections	Drain Piping			FPS3/4B	FPS3/4B	FPS3/4B	FPS3/4B
	Ducting	Return (H×W)	mm	530×932	488×917	488×917	576×952
		Supply (H×W)	mm	270×739	297×878	297×878	297×878
Casing / Color				Paintable Galvanized Steel Plate / Ivory White			
Indoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)			
	Rows×Stages×Fin Pitch			2×24×2.0	3×22×2.0	3×22×2.0	3×26×2.0
	Face Area		m²	0.491	0.443	0.443	0.543
Indoor Fan	Type			Sirocco Fan			
	Drive			Belt Drive			
	Air Flow Rate		m³/min	52	68	68	83
			cfm	1,840	2,400	2,400	2,930
	Ext. Static Pressure		mmH_2O	9	10	10	10
	Motor Output		kW	0.75	1.5	1.5	1.5
Compressor	Type			Hermetically Sealed Scroll Type			
	Model			JT200B-YE	JT212D-P1YE	JT300D-P1YE	JT335D-P1YE
	Motor Output		kW	4.5	5.5	7.5	9.0
Refrigerant	Model			R22			
	No. of Refrigerant Circuits			1	1	1	1
	Charge		kg	3.2	4.4	4.4	5.5
Refrigerant Oil	Model			SUNISO 4GSDID-K			
	Charge		L	1.6	2.7	2.7	2.7
Outdoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)			
	Rows×Stages×Fin Pitch			2×50×2.0	2×40×2.0	2×40×2.0	2×50×2.0
	Face Area		m²	1.26	1.57	1.57	1.97
Refrigerant Control				Capillary Tube			
Outdoor Fan	Type			Propeller			
	Model			P52H11S	P52H11S	P52H11S	P52H11S
	Air Flow Rate		m³/min	90	150	150	175
			cfm	3,177	5,295	5,295	6,177
	Motor Output		W	280	230+190	230+190	230+190
Safety Devices				Thermal Protector for Compressor and Outdoor Fan Motor. High Pressure Switch Over Current Relay (Compressor and Indoor Fan Motor). Reverse Phase Protector. Fuse.			
Dimensions	H×W×D		mm	1,490×690×1,750	1,270×1,600×1,280	1,270×1,600×1,280	1,490×1,600×1,280
Weight			kg	230	326	329	344
Drawing No.				C : 4D014885		C : 4D014886	

Note:

1. The above data marked with *1 are rated in accordance with 27°CDB (80°FDB) 19.5°CWB (67°FWB) indoor temp. and 35°CDB (95°FDB) outdoor temp. at HI fan speed, 380V.
   Above cooling capacities do not include indoor fan motor heat. (Gross)
2. The above data marked with *2 are rated in accordance with 29°CDB (84°FDB) 19°CWB (66°FWB) indoor temp. and 46°CDB (115°FDB) outdoor temp. at HI fan speed, 380V.
3. The above data marked with *3 are rated in accordance with 20°CDB (68°FDB) indoor temp, and 7°CDB / 6°CWB (45°FDB / 43°FWB) outdoor temp.
   Above heating capacities include indoor fan motor heat. (Net)
4. Operative up to 52°C in cooling, down to -10°C in heating.
5. The figures of *2 are reference value.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Model				UATY15KY1	UATY18KY1	UATY21KY1
*1 Cooling Capacity			USRT	12.5	15	17.5
			kW	43.9	52.7	61.6
			Btu/h	150,000	180,000	210,400
			kcal/h	37,800	45,300	53,000
*2 Cooling Capacity			kW	(39.6)	(47.5)	(55.5)
			Btu/h	(135,200)	(162,100)	(189,400)
*3 Heating Capacity			kW	46.1	54.2	62.8
			Btu/h	157,200	185,000	214,400
			kcal/h	39,600	46,600	54,000
Capacity Steps			%	100-50-0	100-50-0	100-50-0
Connections	Drain Piping			FPS1B	FPS1B	FPS1B
	Ducting	Return (H×W)	mm	572×1,372	572×1,372	748×1,372
		Supply (H×W)	mm	343×1,042	343×1,042	343×1,042
Casing / Color				Paintable Galvanized Steel Plate / Ivory White		
Indoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)		
	Rows×Stages×Fin Pitch			3×26×2.0	3×26×2.0	3×34×2.0
	Face Area		m²	0.784	0.784	1.024
Indoor Fan	Type			Sirocco Fan		
	Drive			Belt Drive		
	Air Flow Rate		m³/min	136	136	166
			cfm	4,800	4,800	5,860
	Ext. Static Pressure		mmH_2O	15	15	15
	Motor Output		kW	2.2	2.2	3.7
Compressor	Type			Hermetically Sealed Scroll Type		
	Model			2×(JT212D-P1YE)	2×(JT300D-P1YE)	2×(JT335D-P1YE)
	Motor Output		kW	2×5.5	2×7.5	2×9.0
Refrigerant	Model			R22		
	No. of Refrigerant Circuits			2	2	2
	Charge		kg	2×4.7	2×4.7	2×6.0
Refrigerant Oil	Model			SUNISO 4GSDID-K		
	Charge		L	2×2.7	2×2.7	2×2.7
Outdoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)		
	Rows×Stages×Fin Pitch			2×(2×40×2.0)	2×(2×40×2.0)	2×(2×50×2.0)
	Face Area		m²	2×1.57	2×1.57	2×1.97
Refrigerant Control				Capillary Tube		
Outdoor Fan	Type			Propeller		
	Model			P52H11S	P52H11S	P52H11S
	Air Flow Rate		m³/min	2×150	2×150	2×175
			cfm	2×5,295	2×5,295	2×6,177
	Motor Output		W	2×(230+190)	2×(230+190)	2×(230+190)
Safety Devices				Thermal Protector for Compressor and Outdoor Fan Motor. High Pressure Switch. Over Current Relay (Compressor and Indoor Fan Motor). Reverse Phase Protector. Fuse.		
Dimensions	H×W×D		mm	1,270×1,980×1,980	1,270×1,980×1,980	1,490×1,980×1,980
Weight			kg	650	656	686
Drawing No.				C : 4D014887		

Note:

1. The above data marked with *1 are rated in accordance with 27°CDB (80°FDB) 19.5°CWB (67°FWB) indoor temp. and 35°CDB (95°FDB) outdoor temp. at HI fan speed, 380V.
   Above cooling capacities do not include indoor fan motor heat. (Gross)
2. The above data marked with *2 are rated in accordance with 29°CDB (84°FDB) 19°CWB (66°FWB) indoor temp. and 46°CDB (115°FDB) outdoor temp. at HI fan speed, 380V.
3. The above data marked with *3 are rated in accordance with 20°CDB (68°FDB) indoor temp, and 7°CDB / 6°CWB (45°FDB / 43°FWB) outdoor temp.
   Above heating capacities include indoor fan motor heat. (Net)
4. Operative up to 52°C in cooling, down to -10°C in heating.
5. The figures of *2 are reference value.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

3.2 60Hz

Model				UATY06KTAL, YAL	UATY08KTAL, YAL	UATY09KTAL, YAL	UATY12KTAL, YAL
*1 Cooling Capacity			USRT	5	6	7.5	10
			kW	17.7	22.0	26.4	35.1
			Btu/h	60,300	75,000	90,000	120,000
			kcal/h	15,200	18,900	22,700	30,200
*2 Cooling Capacity			kW	(15.5)	(19.8)	(23.8)	(31.6)
			Btu/h	(52,900)	(67,600)	(81,200)	(107,800)
*3 Heating Capacity			kW	18.1	23.0	26.9	36.1
			Btu/h	62,000	78,600	91,700	123,000
			kcal/h	15,600	19,800	23,100	31,000
Capacity Steps			%	100-0	100-0	100-0	100-0
Connections	Drain Piping			FPS3/4B	FPS3/4B	FPS3/4B	FPS3/4B
	Ducting	Return (H×W)	mm	530×932	488×917	488×917	576×952
		Supply (H×W)	mm	270×739	297×878	297×878	297×878
Casing / Color				Paintable Galvanized Steel Plate / Ivory White			
Indoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)			
	Rows×Stages×Fin Pitch			2×24×2.0	3×22×2.0	3×22×2.0	3×26×2.0
	Face Area		m²	0.491	0.443	0.443	0.543
Indoor Fan	Type			Sirocco Fan			
	Drive			Belt Drive			
	Air Flow Rate		m³/min	52	68	68	100
			cfm	1,840	2,400	2,400	3,530
	Ext. Static Pressure		mmH_2O	9	10	10	10
	Motor Output		kW	0.75	1.5	1.5	1.5
Compressor	Type			Hermetically Sealed Scroll Type			
	Model		TAL	JT190B	JT190B	JT265D-P1	JT335D-P1
			YAL	JT190B-YH	JT190B-YH	JT265D-P1YH	JT335D-P1YH
	Motor Output		kW	4.5	4.5	7.5	9.0
Refrigerant	Model			R22			
	No. of Refrigerant Circuits			1	1	1	1
	Charge		kg	3.2	4.4	4.4	5.5
Refrigerant Oil	Model			SUNISO 4GSDID-K			
	Charge		L	1.6	2.7	2.7	2.7
Outdoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)			
	Rows×Stages×Fin Pitch			2×50×2.0	2×40×2.0	2×40×2.0	2×50×2.0
	Face Area		m²	1.26	1.57	1.57	1.97
Refrigerant Control				Capillary Tube			
Outdoor Fan	Type			Propeller			
	Model			P52H11S	P52H11S	P52H11S	P52H11S
	Air Flow Rate		m³/min	95	160	160	190
			cfm	3,353	5,648	5,648	6,707
	Motor Output		W	230	230+190	230+190	230+190
Safety Devices				Thermal Protector for Compressor and Outdoor Fan Motor. High Pressure Switch. Over Current Relay (Compressor and Indoor Fan Motor). Reverse Phase Protector. Fuse.			
Dimensions	H×W×D		mm	1,490×690×1,750	1,270×1,600×1,280	1,270×1,600×1,280	1,490×1,600×1,280
Weight			kg	230	304	328	344
Drawing No.			TAL	C : 4D014888		C : 4D014889	
			YAL	C : 4D014891		C : 4D014892	

Note:

1. The above data marked with *1 are rated in accordance with 27°CDB (80°FDB) 19.5°CWB (67°FWB) indoor temp. and 35°CDB (95°FDB) outdoor temp. at HI fan speed, 380V.
   Above cooling capacities do not include indoor fan motor heat. (Gross)
2. The above data marked with *2 are rated in accordance with 29°CDB (84°FDB) 19°CWB (66°FWB) indoor temp. and 46°CDB (115°FDB) outdoor temp. at HI fan speed, 380V.
3. The above data marked with *3 are rated in accordance with 20°CDB (68°FDB) indoor temp, and 7°CDB / 6°CWB (45°FDB / 43°FWB) outdoor temp.
   Above heating capacities include indoor fan motor heat. (Net)
4. Operative up to 52°C in cooling, down to -10°C in heating.
5. The figures of *2 are reference value.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Model				UATY15KTAL, YAL	UATY18KTAL, YAL	UATY21KTAL, YAL
*1 Cooling Capacity			USRT	12.5	15	17.5
			kW	43.9	52.7	61.6
			Btu/h	150,000	180,000	210,400
			kcal/h	37,800	45,300	53,000
*2 Cooling Capacity			kW	(39.6)	(47.5)	(55.5)
			Btu/h	(135,200)	(162,100)	(189,400)
*3 Heating Capacity			kW	46.1	54.2	62.8
			Btu/h	157,200	185,000	214,400
			kcal/h	39,600	46,600	54,000
Capacity Steps			%	100-50-0	100-50-0	100-50-0
Connections	Drain Piping			FPS1B	FPS1B	FPS1B
	Ducting	Return (H×W)	mm	572×1,372	572×1,372	748×1,372
		Supply (H×W)	mm	343×1,042	343×1,042	343×1,042
Casing / Color				Paintable Galvanized Steel Plate / Ivory White		
Indoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)		
	Rows×Stages×Fin Pitch			3×26×2.0	3×26×2.0	3×34×2.0
	Face Area		m^2	0.784	0.784	1.024
Indoor Fan	Type			Sirocco Fan		
	Drive			Belt Drive		
	Air Flow Rate		m^3/min	136	136	166
			cfm	4,800	4,800	5,860
	Ext. Static Pressure		mmH_2O	15	15	15
	Motor Output		kW	2.2	2.2	3.7
Compressor	Type			Hermetically Sealed Scroll Type		
	Model		TAL	2×(JT190B)	2×(JT265D-P1)	2×(JT300D-P1)
			YAL	2×(JT190B-YH)	2×(JT265D-P1YH)	2×(JT300D-P1YH)
	Motor Output		kW	2×4.5	2×7.5	2×7.5
Refrigerant	Model			R22		
	No. of Refrigerant Circuits			2	2	2
	Charge		kg	2×4.7	2×4.7	2×6.0
Refrigerant Oil	Model			SUNISO 4GSDID-K		
	Charge		L	2×1.6	2×2.7	2×2.7
Outdoor Coil	Type			Cross Fin Coil (Waffle Louver Fins and Hi-XA Tubes)		
	Rows×Stages×Fin Pitch			2×(2×40×2.0)	2×(2×40×2.0)	2×(2×50×2.0)
	Face Area		m^2	2×1.57	2×1.57	2×1.97
Refrigerant Control				Capillary Tube		
Outdoor Fan	Type			Propeller		
	Model			P52H11S	P52H11S	P52H11S
	Air Flow Rate		m^3/min	2×160	2×160	2×190
			cfm	2×5,648	2×5,648	2×6,707
	Motor Output		W	2×(230+190)	2×(230+190)	2×(230+190)
Safety Devices				Thermal Protector for Compressor and Outdoor Fan Motor. High Pressure Switch. Over Current Relay (Compressor and Indoor Fan Motor). Reverse Phase Protector. Fuse.		
Dimensions	H×W×D		mm	1,270×1,980×1,980	1,270×1,980×1,980	1,490×1,980×1,980
Weight			kg	605	654	686
Drawing No.			TAL	C : 4D014890		
			YAL	C : 4D014893		

Note:

1. The above data marked with *1 are rated in accordance with 27°CDB (80°FDB) 19.5°CWB (67°FWB) indoor temp. and 35°CDB (95°FDB) outdoor temp. at HI fan speed, 380V.
   Above cooling capacities do not include indoor fan motor heat. (Gross)
2. The above data marked with *2 are rated in accordance with 29°CDB (84°FDB) 19°CWB (66°FWB) indoor temp. and 46°CDB (115°FDB) outdoor temp. at HI fan speed, 380V.
3. The above data marked with *3 are rated in accordance with 20°CDB (68°FDB) indoor temp, and 7°CDB / 6°CWB (45°FDB / 43°FWB) outdoor temp.
   Above heating capacities include indoor fan motor heat. (Net)
4. Operative up to 52°C in cooling, down to -10°C in heating.
5. The figures of *2 are reference value.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

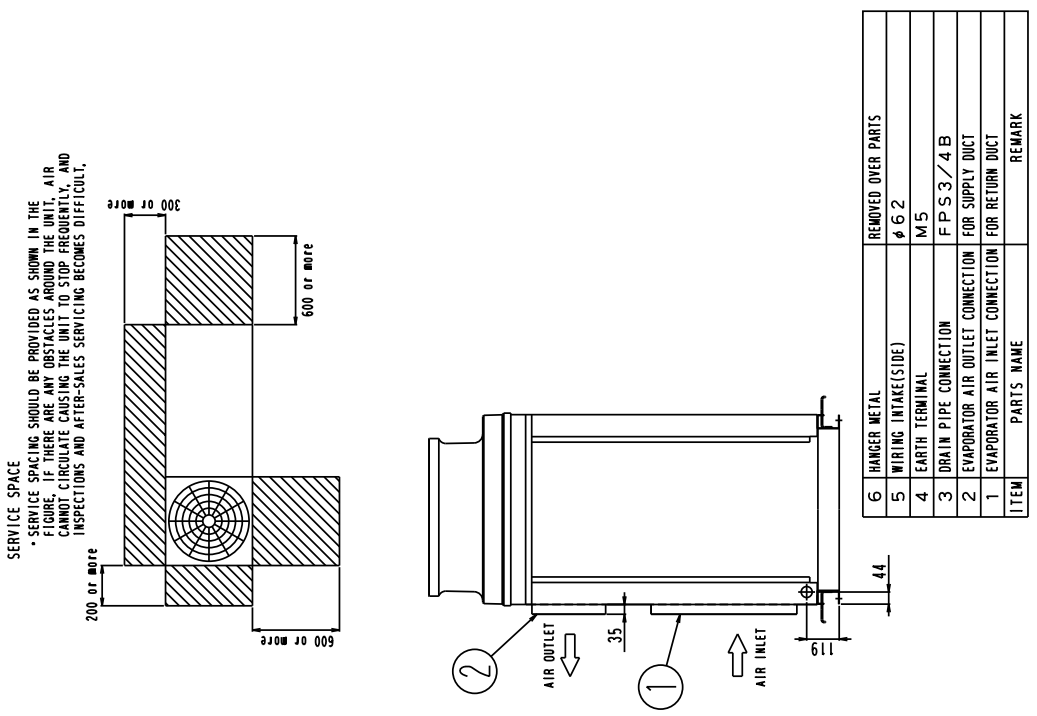
4. Dimensions

4.1 Dimensions / Service Space

UATY06K

Unit (mm)

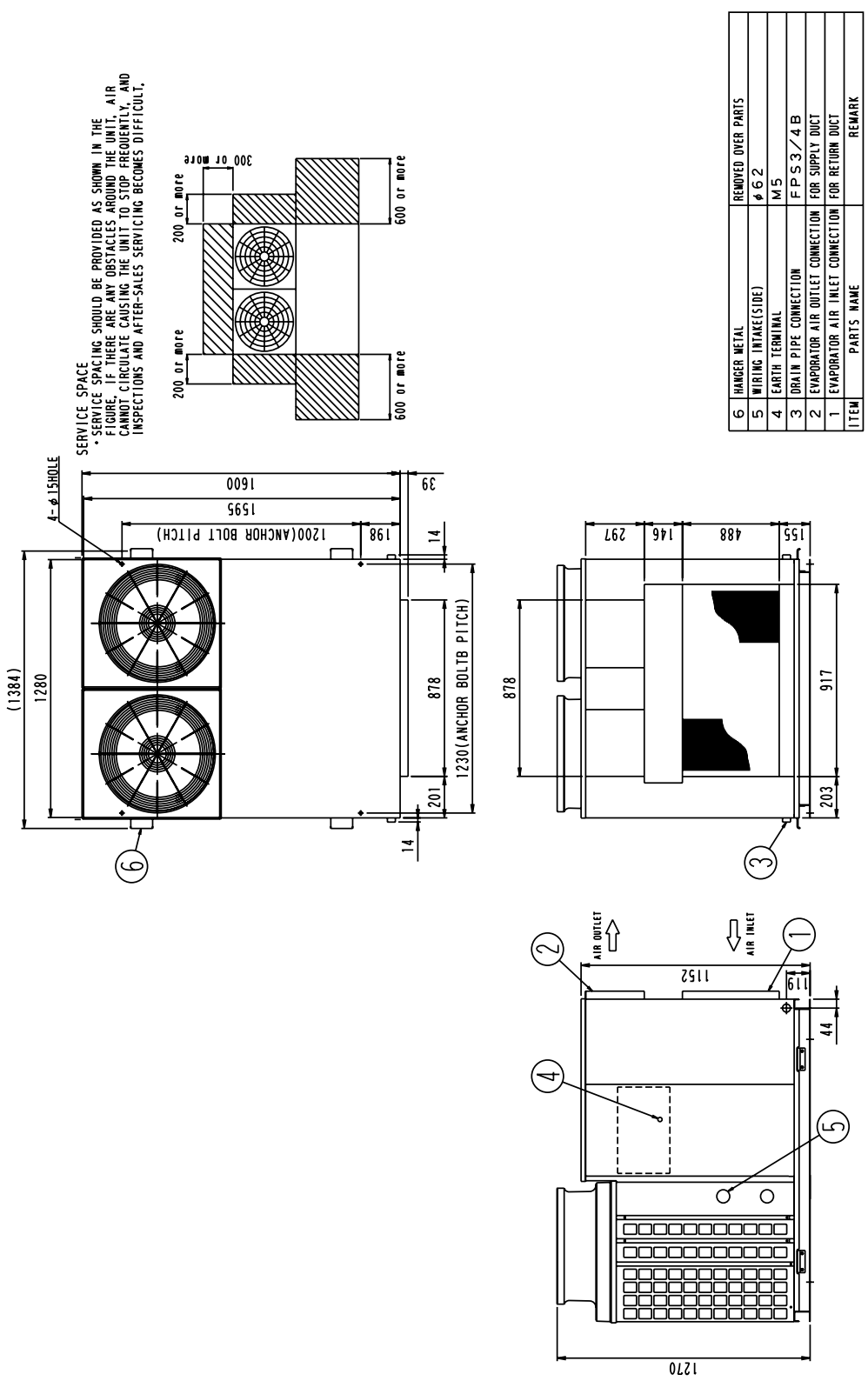
3D013699A



UATY08K
UATY09K

Unit (mm)

3D013700A



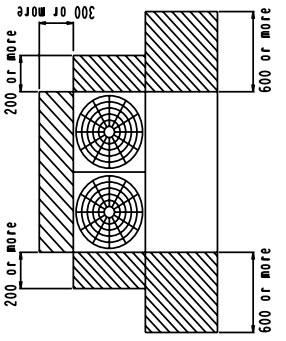
ITEM	PARTS NAME	REMARK
6	HANGER METAL	REMOVED OVER PARTS
5	WIRING INTAKE(SIDE)	ø62
4	EARTH TERMINAL	M5
3	DRAIN PIPE CONNECTION	FPS3/4B
2	EVAPORATOR AIR OUTLET CONNECTION	FOR SUPPLY DUCT
1	EVAPORATOR AIR INLET CONNECTION	FOR RETURN DUCT

UATY10K
UATY12K

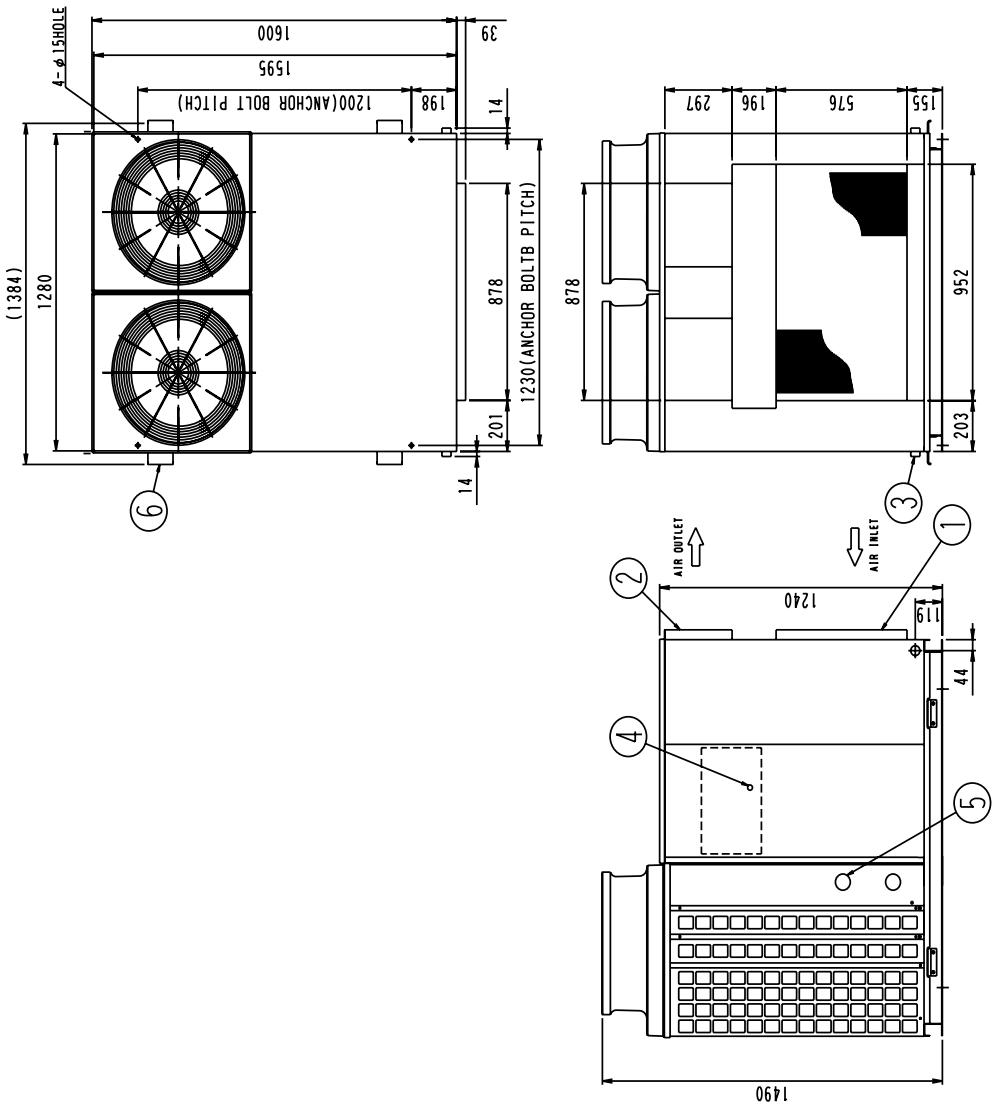
Unit (mm)

3D013701A

SERVICE SPACE
・SERVICE SPACING SHOULD BE PROVIDED AS SHOWN IN THE FIGURE, IF THERE ARE ANY OBSTACLES AROUND THE UNIT, AIR CANNOT CIRCULATE CAUSING THE UNIT TO STOP FREQUENTLY, AND INSPECTIONS AND AFTER-SALES SERVICING BECOMES DIFFICULT.

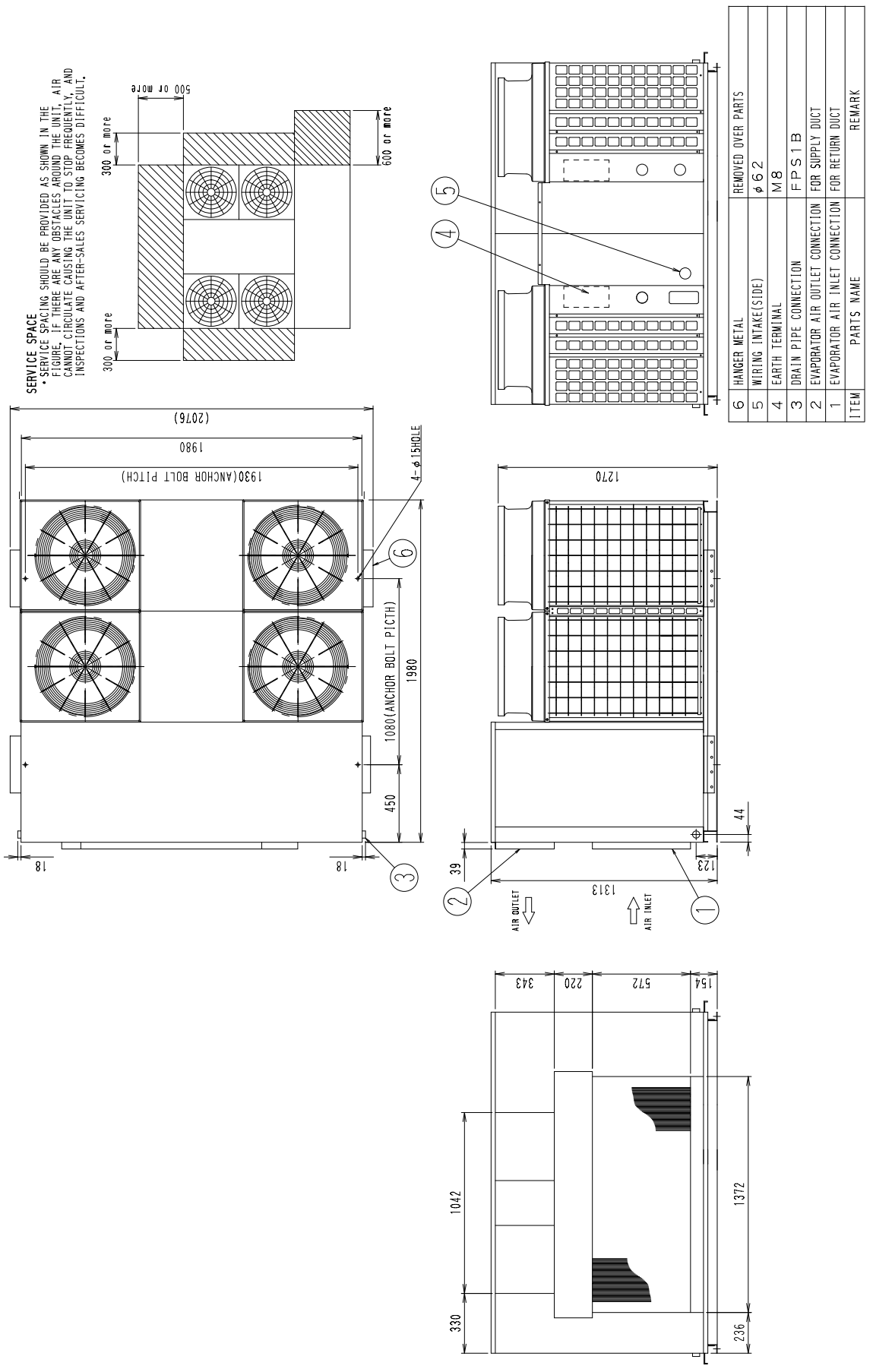


ITEM	PARTS NAME	REMARK
6	HANGER METAL	REMOVED OVER PARTS
5	WIRING INTAKE(SIDE)	φ62
4	EARTH TERMINAL	M5
3	DRAIN PIPE CONNECTION	FPS3/4B
2	EVAPORATOR AIR OUTLET CONNECTION	FOR SUPPLY DUCT
1	EVAPORATOR AIR INLET CONNECTION	FOR RETURN DUCT



UATY15K
UATY18K

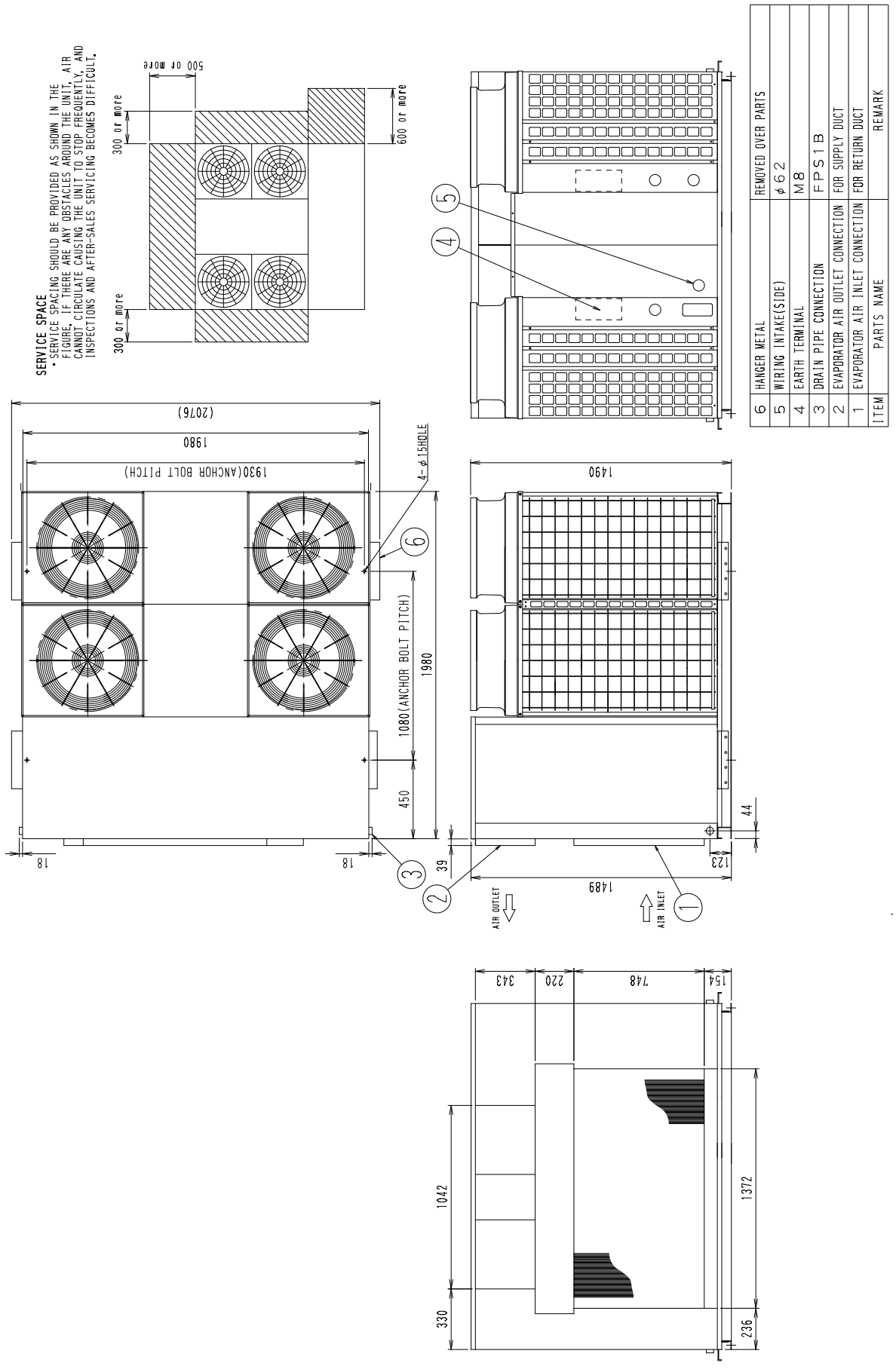
Unit (mm)



6	HANGER METAL	REMOVED OVER PARTS
5	WIRING INTAKE(SIDE)	φ62
4	EARTH TERMINAL	M8
3	DRAIN PIPE CONNECTION	FPS1B
2	EVAPORATOR AIR OUTLET CONNECTION	FOR SUPPLY DUCT
1	EVAPORATOR AIR INLET CONNECTION	FOR RETURN DUCT
ITEM	PARTS NAME	REMARK

UATY21K

Unit (mm)



ITEM	PARTS NAME	REMARK
6	HANGER METAL	REMOVED OVER PARTS
5	WIRING INTAKE(SIDE)	φ62
4	EARTH TERMINAL	M8
3	DRAIN PIPE CONNECTION	FPS1B
2	EVAPORATOR AIR OUTLET CONNECTION	FOR SUPPLY DUCT
1	EVAPORATOR AIR INLET CONNECTION	FOR RETURN DUCT

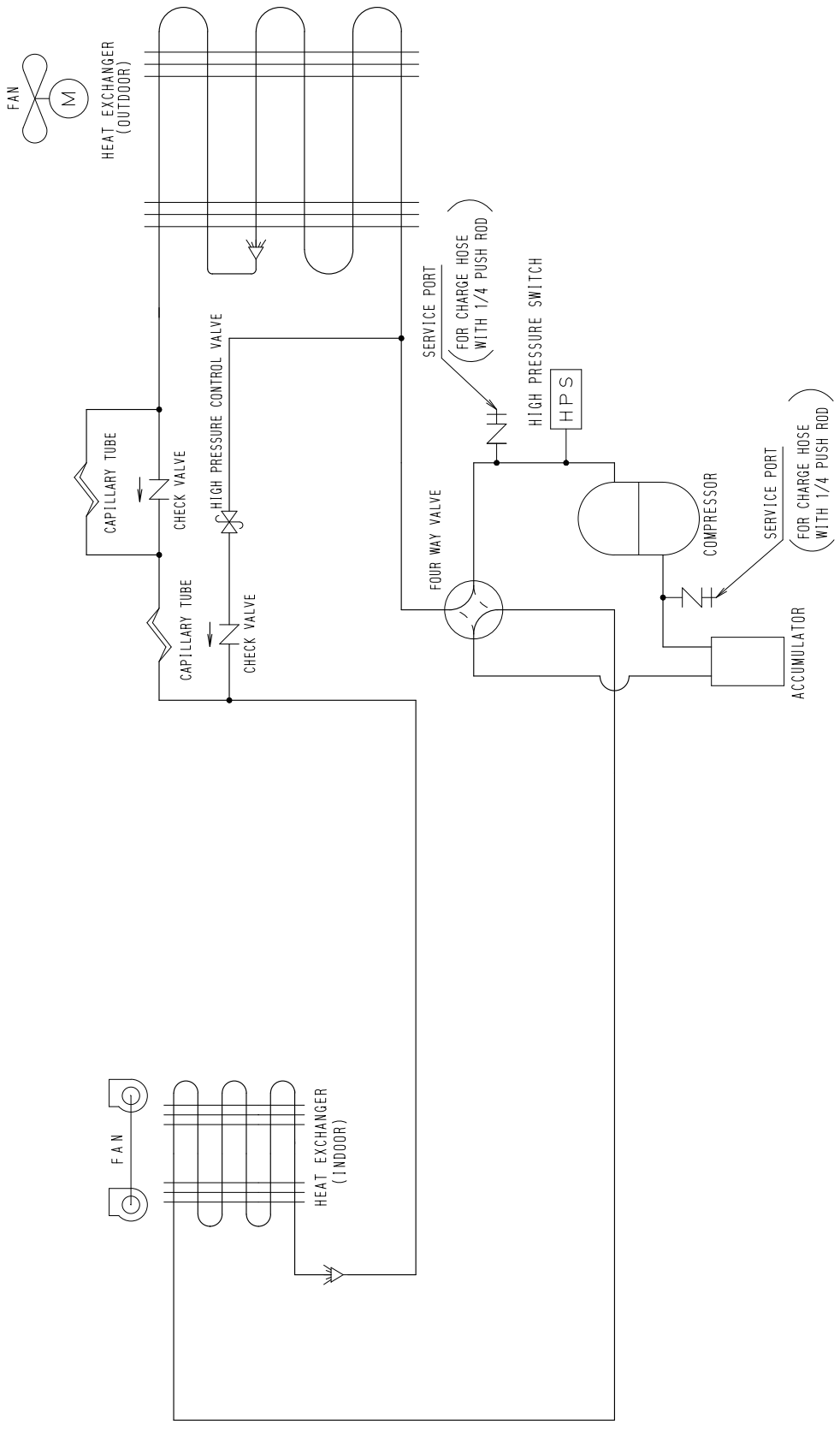
3D014564

5. Piping Diagrams

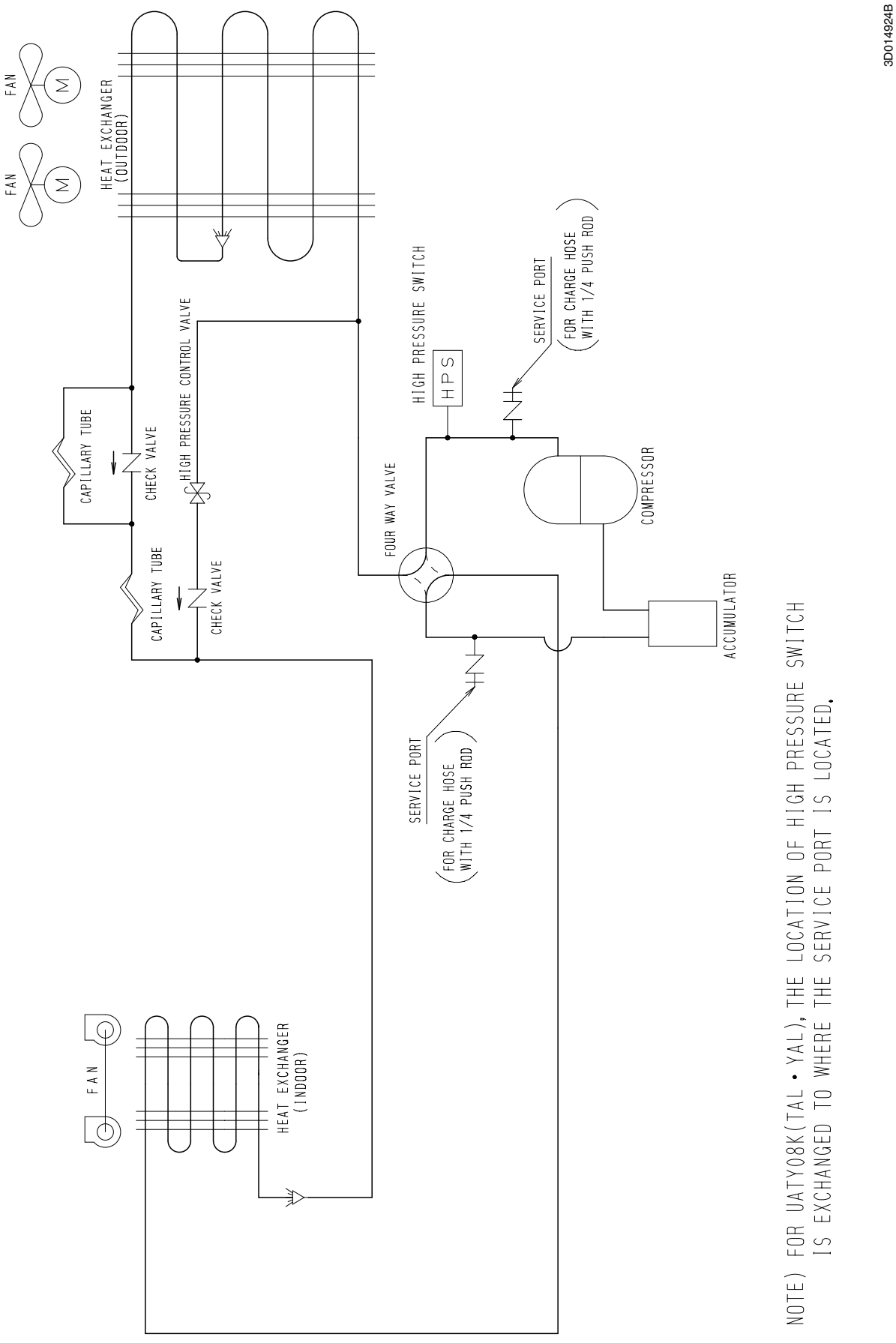
5.1 Piping Diagrams

UATY06K

3D014923A



UATY08K
UATY09K
UATY10K
UATY12K



UATY15K
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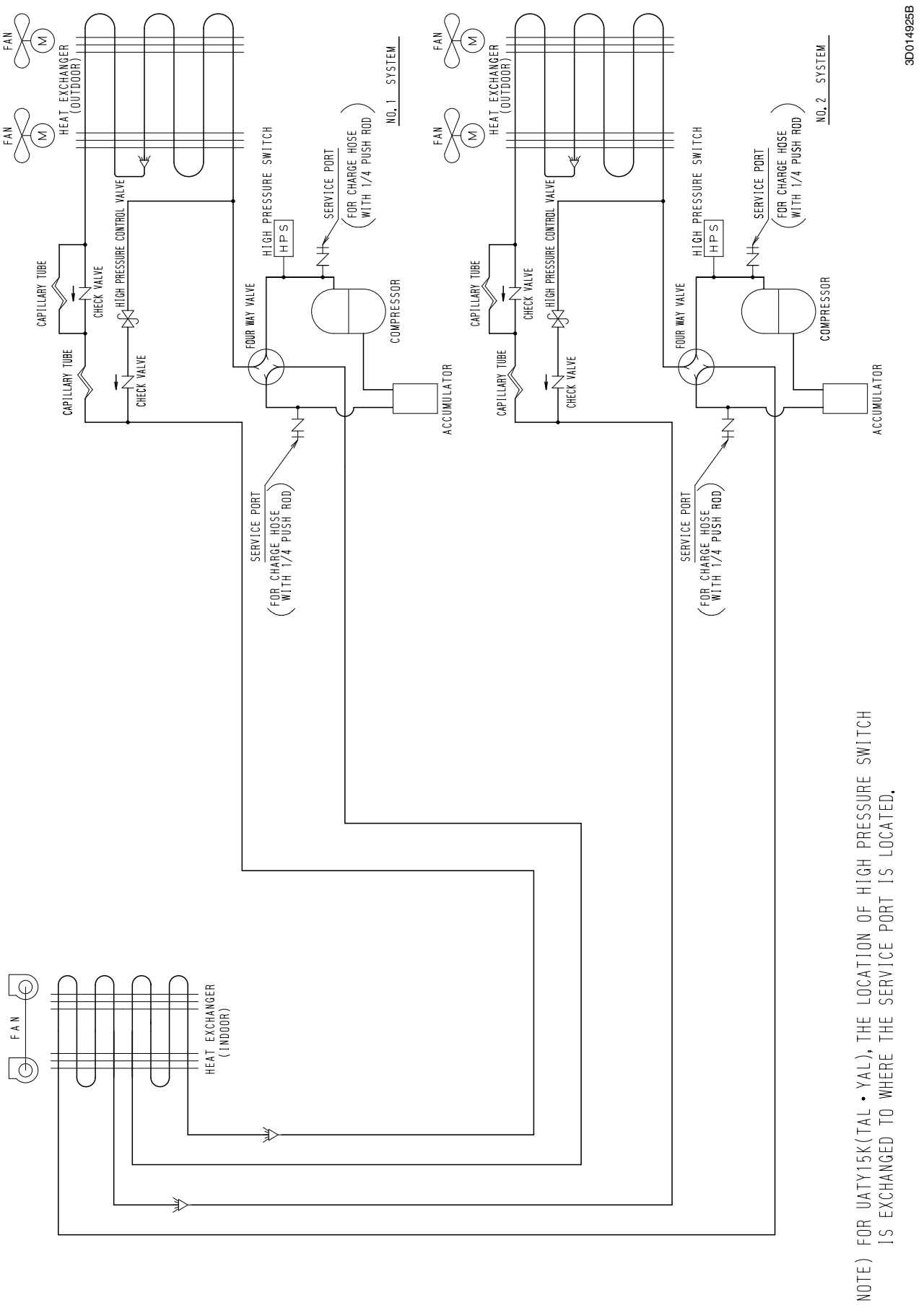
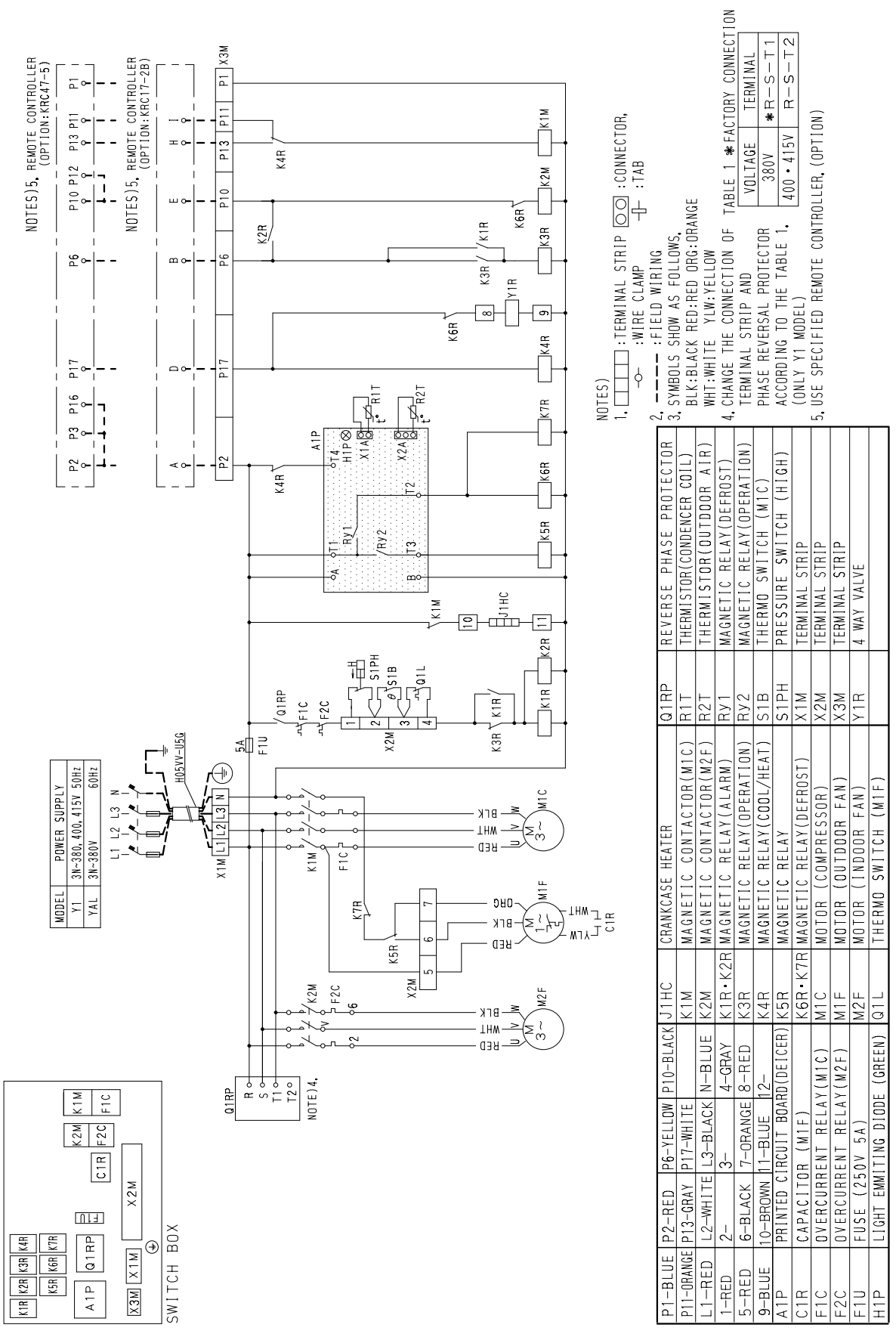
UATY21K



6. Wiring Diagrams

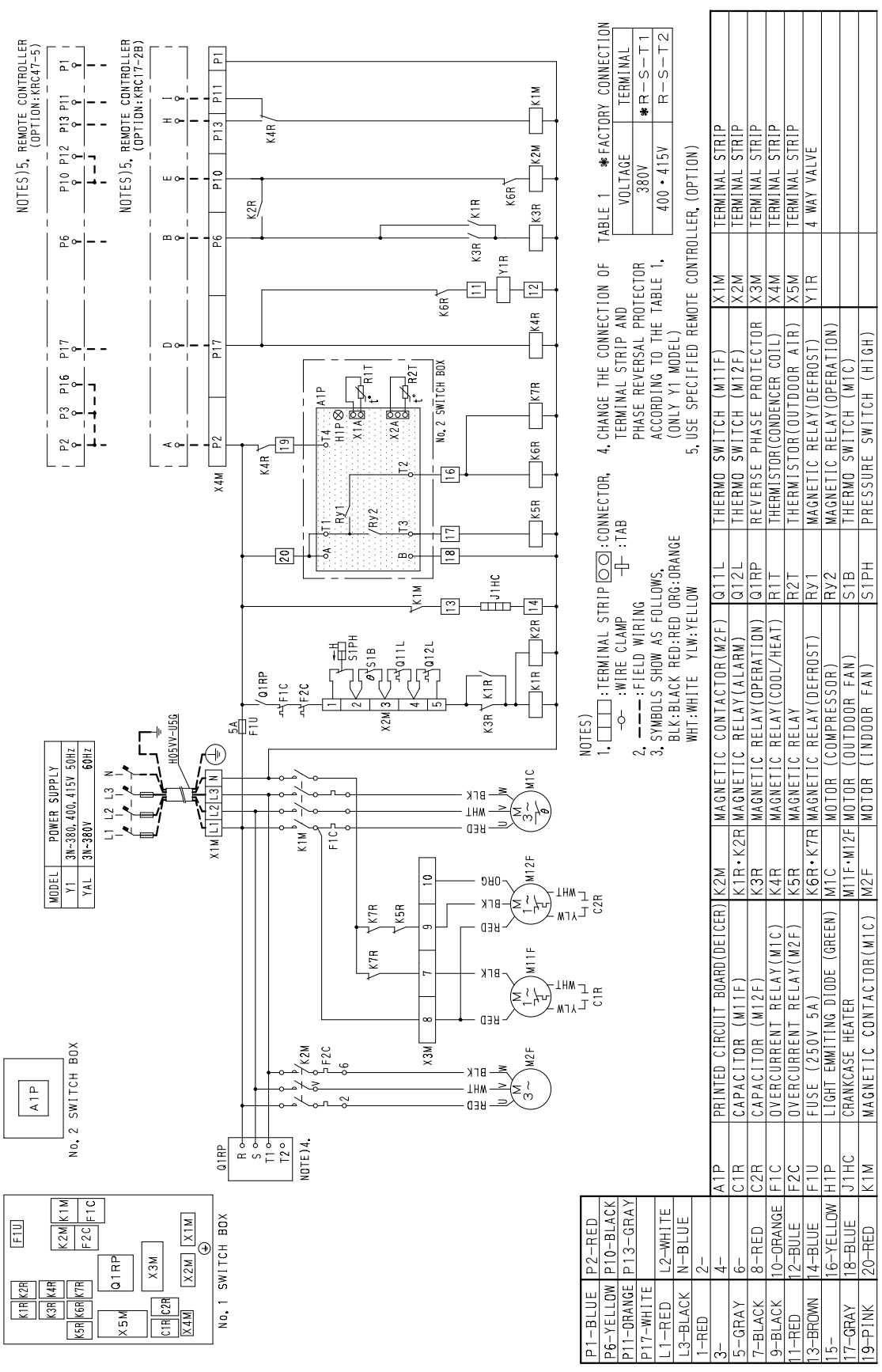
6.1 Y1, YAL Models

UATY06KY1
UATY06KYAL



P1-BLUE	P2-RED	P6-YELLOW	P10-BLACK	J1HC	CRANKCASE HEATER	Q1RP	REVERSE PHASE PROTECTOR
P11-ORANGE	P13-GRAY	P17-WHITE		K1M	MAGNETIC CONTACTOR(M1C)	R1T	THERMISTOR(CONDENCER COIL)
L1-RED	L2-WHITE	L3-BLACK	N-BLUE	K2M	MAGNETIC CONTACTOR(M2F)	R2T	THERMISTOR(OUTDOOR AIR)
1-RED	2-	3-	4-GRAY	K1R・K2R	MAGNETIC RELAY(ALARM)	RY1	MAGNETIC RELAY(DEFROST)
5-RED	6-BLACK	7-ORANGE	8-RED	K3R	MAGNETIC RELAY(OPERATION)	RY2	MAGNETIC RELAY(OPERATION)
9-BLUE	10-BROWN	11-BLUE	12-	K4R	MAGNETIC RELAY(COOL/HEAT)	S1B	THERMO SWITCH (M1C)
A1P	PRINTED CIRCUIT BOARD(DEICER)			K5R	MAGNETIC RELAY	S1PH	PRESSURE SWITCH (HIGH)
C1R	CAPACITOR (M1F)			K6R・K7R	MAGNETIC RELAY(DEFROST)	X1M	TERMINAL STRIP
F1C	OVERCURRENT RELAY(M1C)			M1C	MOTOR (COMPRESSOR)	X2M	TERMINAL STRIP
F2C	OVERCURRENT RELAY(M2F)			M1F	MOTOR (OUTDOOR FAN)	X3M	TERMINAL STRIP
F1U	FUSE (250V 5A)			M2F	MOTOR (INDOOR FAN)	Y1R	4 WAY VALVE
H1P	LIGHT EMMITING DIODE (GREEN)			Q1L	THERMO SWITCH (M1F)		

UATY08KY1
UATY08KYAL
UATY09KY1
UATY09KYAL
UATY10KY1
UATY12KYAL



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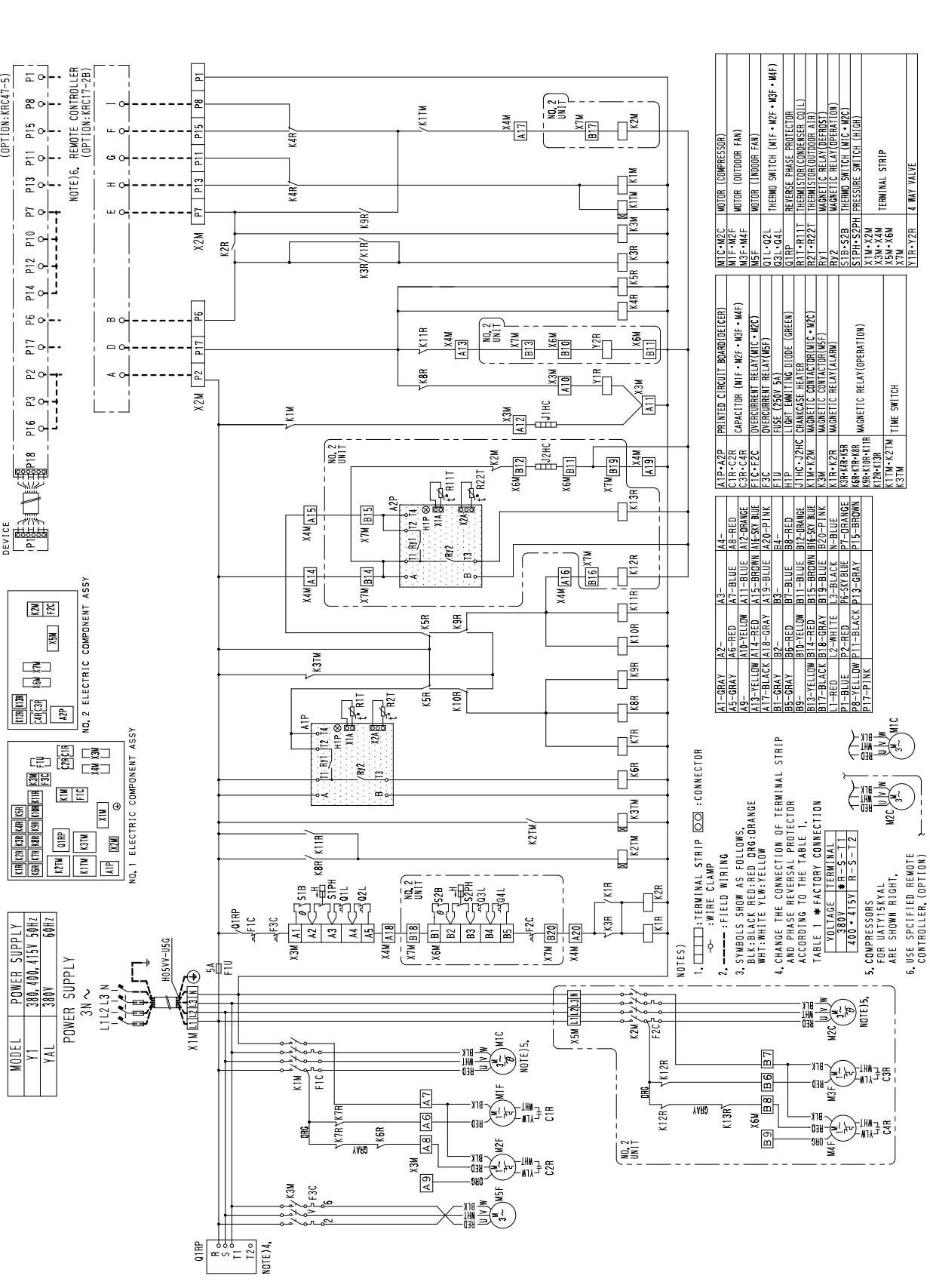
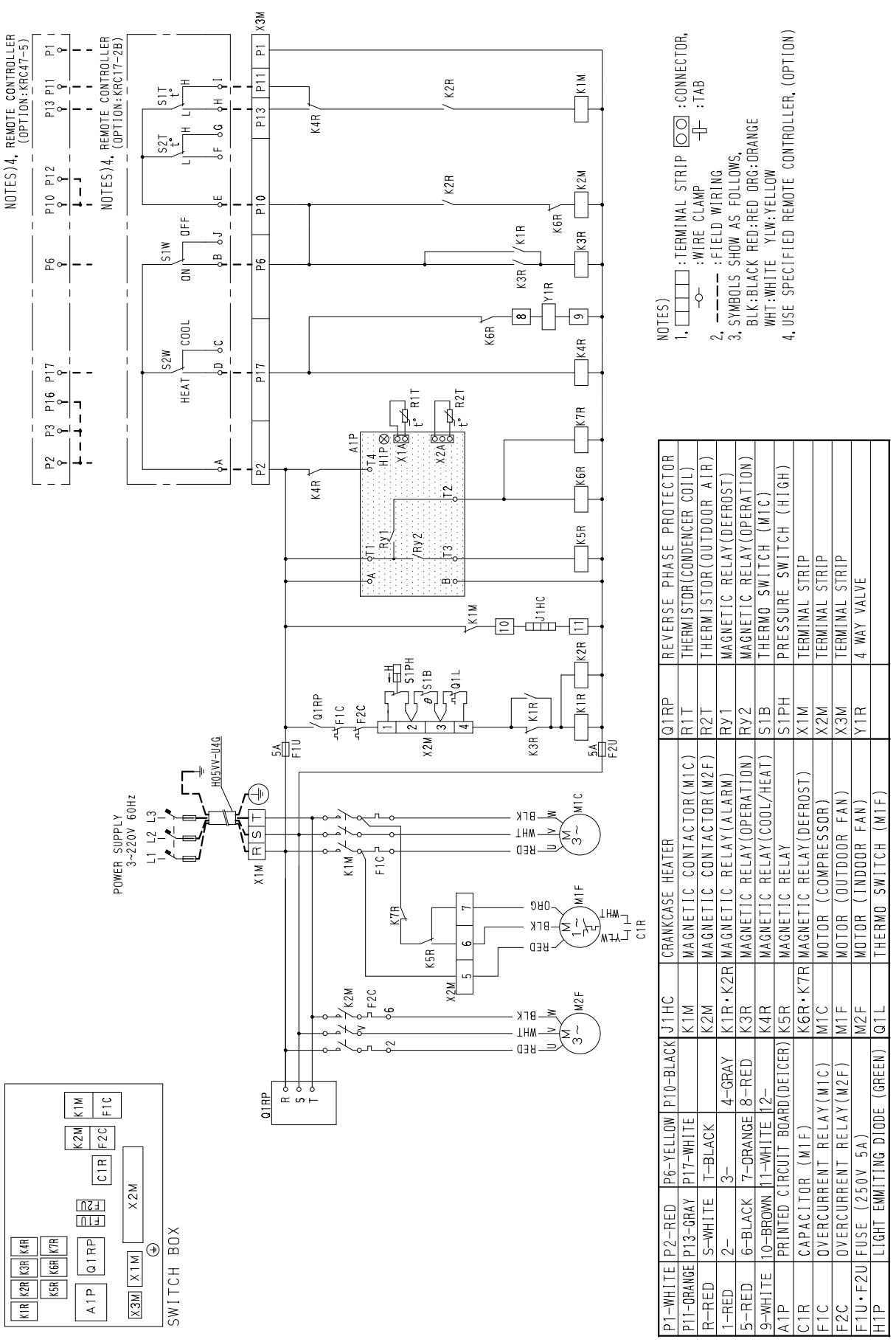
UATY15KY1
UATY15KYAL
UATY18KY1
UATY18KYAL
UATY21KY1
UATY21KYAL



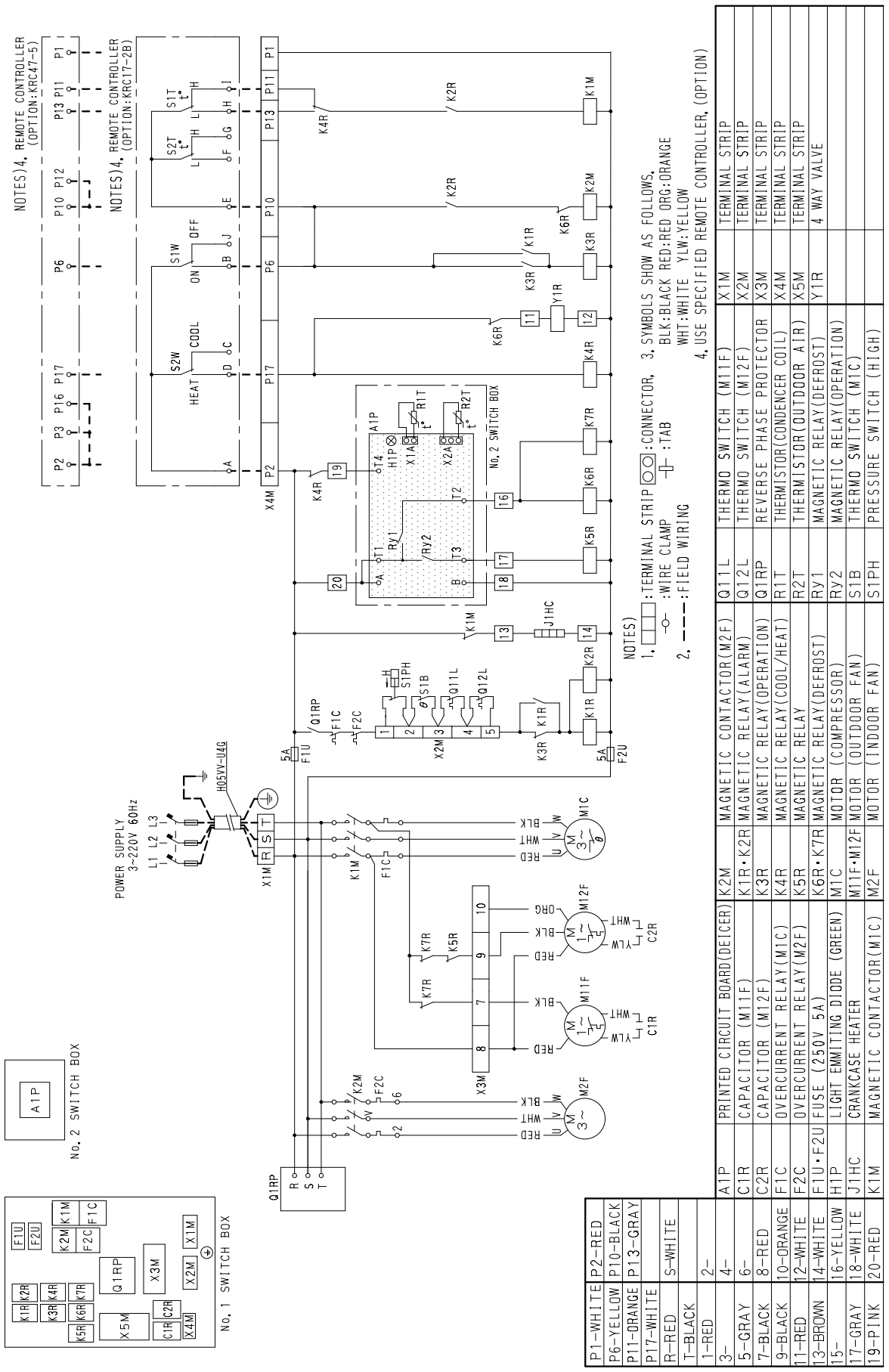
6.2 TAL Models

UATY06KTAL



P1-WHITE	P2-RED	P6-YELLOW	P10-BLACK	J1HC	CRANKCASE HEATER	Q1RP	REVERSE PHASE PROTECTOR
P11-ORANGE	P13-GRAY	P17-WHITE		K1M	MAGNETIC CONTACTOR(M1C)	R1T	THERMISTOR(CONDENCER COIL)
R-RED	S-WHITE	T-BLACK		K2M	MAGNETIC CONTACTOR(M2F)	R2T	THERMISTOR(OUTDOOR AIR)
1-RED	2-	3-	4-GRAY	K1R・K2R	MAGNETIC RELAY(ALARM)	RV1	MAGNETIC RELAY(DEFROST)
5-RED	6-BLACK	7-ORANGE	8-RED	K3R	MAGNETIC RELAY(OPERATION)	RV2	MAGNETIC RELAY(OPERATION)
9-WHITE	10-BROWN	11-WHITE	12-	K4R	MAGNETIC RELAY(COOL/HEAT)	S1B	THERMO SWITCH (M1C)
A1P	PRINTED CIRCUIT BOARD(DEICER)			K5R	MAGNETIC RELAY	S1PH	PRESSURE SWITCH (HIGH)
C1R	CAPACITOR (M1F)			K6R・K7R	MAGNETIC RELAY(DEFROST)	X1M	TERMINAL STRIP
F1C	OVERCURRENT RELAY(M1C)			M1C	MOTOR (COMPRESSOR)	X2M	TERMINAL STRIP
F2C	OVERCURRENT RELAY(M2F)			M1F	MOTOR (OUTDOOR FAN)	X3M	TERMINAL STRIP
F1U・F2U	FUSE (250V 5A)			M2F	MOTOR (INDOOR FAN)	Y1R	4 WAY VALVE
H1P	LIGHT EMMITING DIODE (GREEN)			Q1L	THERMO SWITCH (M1F)		

UATY08KTAL
UATY09KTAL



Q11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP		
Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP		
Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP		
R1T	THERMISTOR(CONDENCER COIL)	X4M	TERMINAL STRIP		
R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP		
RY1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE		
RY2	MAGNETIC RELAY(OPERATION)				
S1B	THERMO SWITCH (M1C)				
S1PH	PRESSURE SWITCH (HIGH)				

A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)		
C1R	CAPACITOR (M11F)	K1R・K2R	MAGNETIC RELAY(ALARM)		
C2R	CAPACITOR (M12F)	K3R	MAGNETIC RELAY(OPERATION)		
F1C	OVERCURRENT RELAY(M1C)	K4R	MAGNETIC RELAY(COOL/HEAT)		
F2C	OVERCURRENT RELAY(M2F)	K5R	MAGNETIC RELAY		
F1U・F2U	FUSE (250V 5A)	K6R・K7R	MAGNETIC RELAY(DEFROST)		
H1P	LIGHT EMMITING DIODE (GREEN)	M1C	MOTOR (COMPRESSOR)		
J1HC	CRANKCASE HEATER	M11F・M12F	MOTOR (OUTDOOR FAN)		
K1M	MAGNETIC CONTACTOR(M1C)	M2F	MOTOR (INDOOR FAN)		

P1-WHITE	P2-RED		
P6-YELLOW	P10-BLACK		
P11-ORANGE	P13-GRAY		
P17-WHITE			
R-RED	S-WHITE		
T-BLACK			
1-RED	2-		
3-	4-		
5-GRAY	6-		
7-BLACK	8-RED		
9-BLACK	10-ORANGE		
11-RED	12-WHITE		
13-BROWN	14-WHITE		
15-	16-YELLOW		
17-GRAY	18-WHITE		
19-PINK	20-RED		

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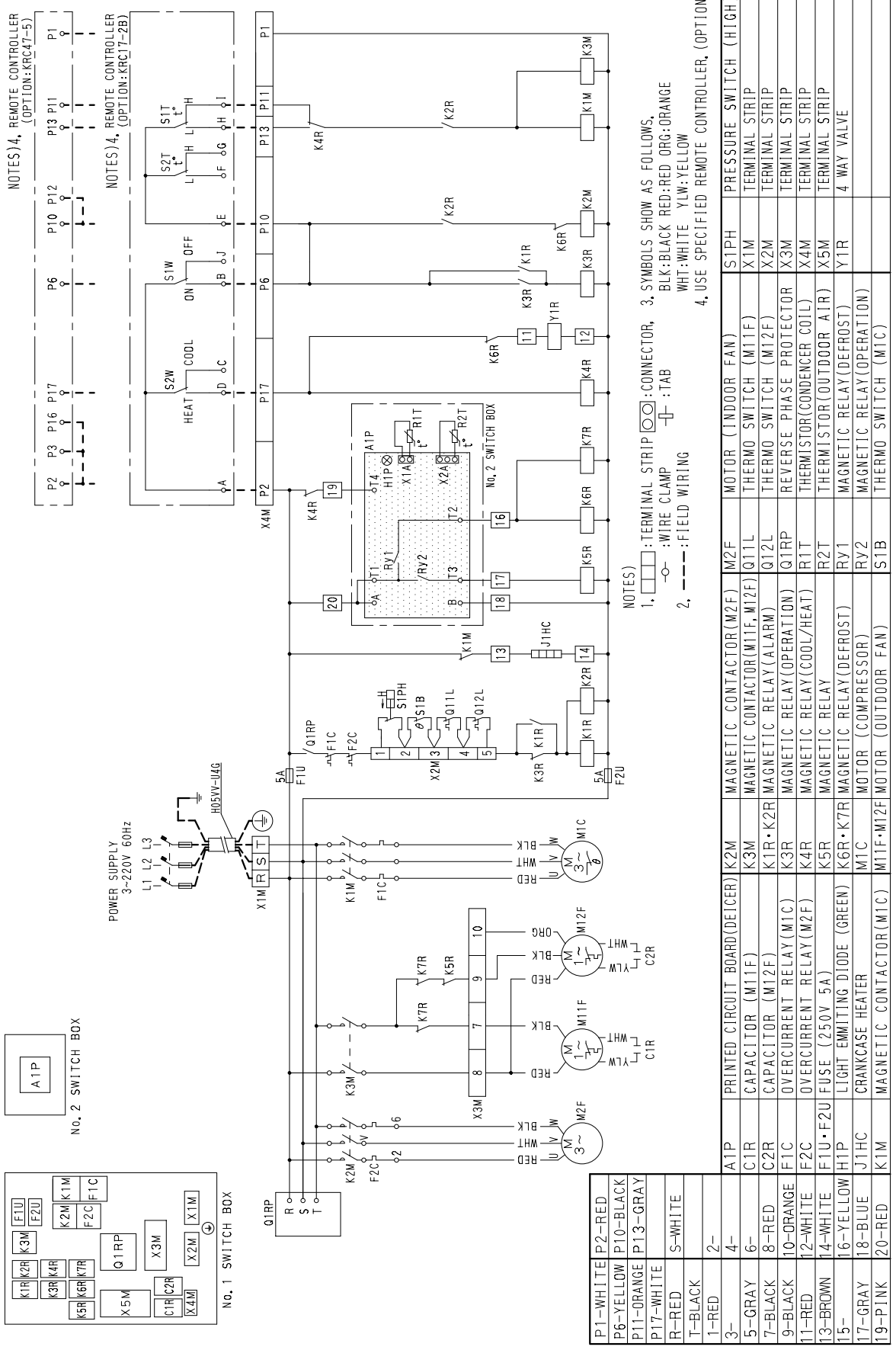
UATY12KTAL

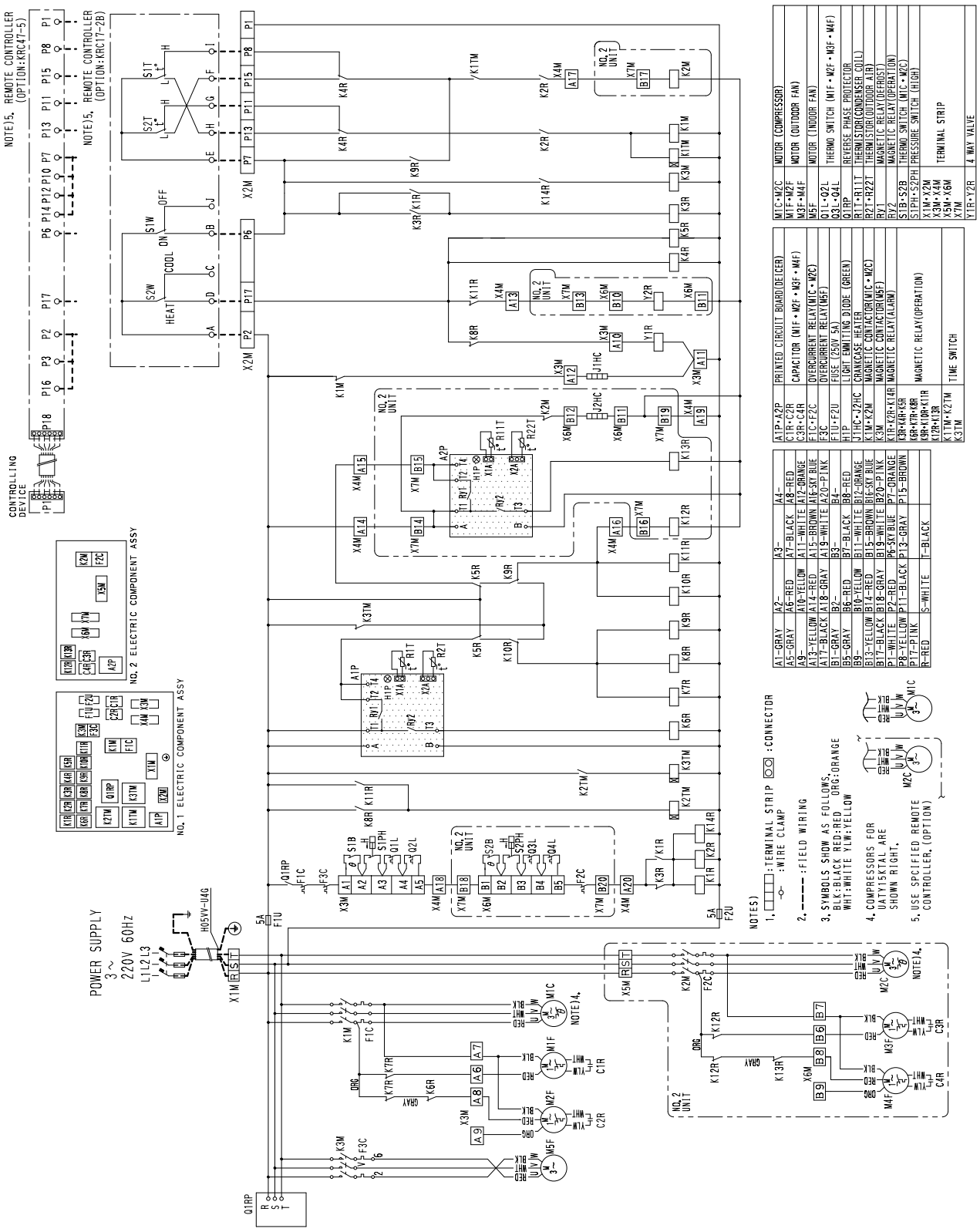


3D014480A

A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)	P1-WHITE	P2-RED
C1R	CAPACITOR (M11F)	K3M	MAGNETIC CONTACTOR(M11F,M12F)	P6-YELLOW	P10-BLACK
C2R	CAPACITOR (M12F)	K1R・K2R	MAGNETIC RELAY(ALARM)	P11-ORANGE	P13-GRAY
F1C	OVERCURRENT RELAY(M1C)	K3R	MAGNETIC RELAY(OPERATION)	P17-WHITE	
F2C	OVERCURRENT RELAY(M2F)	K4R	MAGNETIC RELAY(COOL/HEAT)	R-RED	S-WHITE
F1U・F2U	FUSE (250V 5A)	K5R	MAGNETIC RELAY	T-BLACK	
H1P	LIGHT EMMITING DIODE (GREEN)	K6R・K7R	MAGNETIC RELAY(DEFROST)	1-RED	2-
J1HC	CRANKCASE HEATER	M1C	MOTOR (COMPRESSOR)	3-	4-
K1M	MAGNETIC CONTACTOR(M1C)	M11F・M12F	MOTOR (OUTDOOR FAN)	5-GRAY	6-
M2F	MOTOR (INDOOR FAN)	S1PH	PRESSURE SWITCH (HIGH)	7-BLACK	8-RED
Q11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP	9-BLACK	10-ORANGE
Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP	11-RED	12-WHITE
Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP	13-BROWN	14-WHITE
R1T	THERMISTOR(CONDENCER COIL)	X4M	TERMINAL STRIP	15-	16-YELLOW
R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP	17-GRAY	18-BLUE
Ry1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE	19-PINK	20-RED
Ry2	MAGNETIC RELAY(OPERATION)				
S1B	THERMO SWITCH (M1C)				

UATY15KTAL
UATY18KTAL
UATY21KTAL

2D014414A



7. Capacity Tables

7.1 Cooling Capacity [50Hz]

UATY06KY1

Indoor air			Outdoor temp. (˚CDB)																				
			25			30			35			40			45			50			52		
AFR(BF)	EWB(˚C)	EDB(˚C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
47 (0.15)	14.0	20.0	15.9	12.0	4.6	15.2	11.7	5.0	14.6	11.3	5.4	13.9	10.9	6.0	13.2	10.5	6.5	12.4	10.0	7.2	12.4	10.0	7.2
	16.0	22.0	16.9	12.1	4.7	16.3	11.7	5.1	15.6	11.3	5.6	14.8	10.9	6.1	14.1	10.5	6.7	13.3	10.1	7.3	13.3	10.1	7.3
	18.0	25.0	18.0	12.8	4.8	17.3	12.4	5.2	16.6	12.0	5.7	15.8	11.6	6.2	15.0	11.2	6.8	14.1	10.8	7.4	14.1	10.8	7.4
	19.0	27.0	18.5	13.4	4.8	17.8	13.1	5.2	17.1	12.7	5.8	16.3	12.3	6.3	15.5	11.9	6.9	14.6	11.5	7.5	14.6	11.5	7.5
	19.5	27.0	18.8	13.1	4.8	18.1	12.7	5.3	17.4	12.4	5.8	16.6	12.0	6.3	15.8	11.6	6.9	14.9	11.1	7.5	14.9	11.1	7.5
	22.0	30.0	20.3	13.4	5.0	19.6	13.0	5.4	18.8	12.7	5.9	17.9	12.3	6.5	17.1	11.9	7.1	16.1	11.5	7.7	16.1	11.5	7.7
	24.0	32.0	21.6	13.3	5.1	20.8	13.0	5.6	19.9	12.6	6.1	19.1	12.2	6.6	18.1	11.8	7.2	–	–	–	–	–	–
52 (0.16)	14.0	20.0	16.2	12.5	4.6	15.5	12.1	5.0	14.8	11.7	5.5	14.1	11.3	6.0	13.3	10.8	6.6	12.6	10.4	7.2	12.6	10.4	7.2
	16.0	22.0	17.2	12.5	4.7	16.5	12.2	5.1	15.8	11.8	5.6	18.6	14.0	6.1	14.3	10.9	6.7	13.5	10.5	7.3	13.5	10.5	7.3
	18.0	25.0	18.3	13.3	4.8	17.6	12.9	5.2	16.9	12.5	5.7	16.1	12.1	6.2	15.3	11.7	6.8	14.4	11.2	7.5	14.4	11.2	7.5
	19.0	27.0	18.9	14.0	4.8	18.2	13.6	5.3	17.4	13.2	5.8	16.6	12.8	6.3	15.7	12.4	6.9	14.8	12.0	7.5	14.8	12.0	7.5
	19.5	27.0	19.2	13.6	4.9	18.4	13.3	5.3	17.7	12.9	5.8	16.9	12.5	6.3	16.0	12.1	6.9	15.1	11.6	7.6	15.1	11.6	7.6
	22.0	30.0	20.7	14.0	5.0	19.9	13.6	5.5	19.1	13.2	6.0	18.2	12.8	6.5	17.3	12.4	7.1	16.4	12.0	7.8	16.4	12.0	7.8
	24.0	32.0	21.9	13.9	5.2	21.1	13.5	5.6	20.3	13.2	6.1	19.4	12.8	6.7	18.4	12.4	7.3	–	–	–	–	–	–
62 (0.18)	14.0	20.0	16.6	13.3	4.6	16.0	12.9	5.0	15.3	12.5	5.5	14.5	12.0	6.0	13.7	11.6	6.6	12.9	11.1	7.2	12.9	11.1	7.2
	16.0	22.0	17.8	13.4	4.7	17.0	13.0	5.2	16.3	12.6	5.6	15.5	12.1	6.2	14.7	11.7	6.7	13.8	11.2	7.4	13.8	11.2	7.4
	18.0	25.0	18.8	14.2	4.8	18.1	13.8	5.3	17.3	13.4	5.8	16.5	13.0	6.3	15.6	12.5	6.9	14.7	12.0	7.5	14.7	12.0	7.5
	19.0	27.0	19.4	15.0	4.9	18.7	14.6	5.3	17.9	14.2	5.8	17.0	13.8	6.4	16.1	13.3	7.0	15.2	12.8	7.6	15.2	12.8	7.6
	19.5	27.0	19.7	14.6	4.9	19.0	14.2	5.4	18.1	13.8	5.9	17.3	13.4	6.4	16.4	12.9	7.0	15.4	12.5	7.6	15.4	12.5	7.6
	22.0	30.0	21.3	15.0	5.1	20.4	14.6	5.5	19.6	14.2	6.0	18.7	13.8	6.6	17.7	13.4	7.2	16.7	12.9	7.8	16.7	12.9	7.8
	24.0	32.0	22.6	14.9	5.2	21.7	14.6	5.7	20.8	14.2	6.2	19.8	13.8	6.7	18.8	13.3	7.3	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (˚CWB)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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UATY08KY1

Indoor air			Outdoor temp. (˚CDB)																				
			25			30			35			40			45			50			52		
AFR(BF)	EWB(˚C)	EDB(˚C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
61 (0.20)	14.0	20.0	19.7	15.1	5.0	18.8	14.6	5.4	18.0	14.1	6.0	17.1	13.5	6.6	16.1	13.0	7.3	15.1	12.4	8.1	14.7	12.1	8.4
	16.0	22.0	21.0	15.3	5.0	20.1	14.8	5.5	19.2	14.2	6.1	18.3	13.7	6.7	17.3	13.1	7.4	16.2	12.5	8.2	15.8	12.3	8.5
	18.0	25.0	22.5	16.2	5.1	21.5	15.7	5.6	20.5	15.1	6.2	19.5	14.6	6.8	18.5	14.0	7.6	17.4	13.4	8.3	16.9	13.2	8.7
	19.0	27.0	23.2	17.0	5.2	22.3	16.5	5.7	21.2	16.0	6.2	20.2	15.4	6.9	19.1	14.8	7.6	17.9	14.2	8.4	17.5	14.0	8.7
	19.5	27.0	23.6	16.7	5.2	22.6	16.1	5.7	21.6	15.6	6.3	20.5	15.0	6.9	19.4	14.5	7.7	18.3	13.9	8.4	17.8	13.6	8.8
	22.0	30.0	25.6	17.1	5.3	24.5	16.6	5.8	23.4	16.1	6.4	22.3	15.5	7.1	21.1	14.9	7.8	19.9	14.3	8.6	19.4	14.1	9.0
	24.0	32.0	27.2	17.1	5.4	26.1	16.6	5.9	24.9	16.1	6.5	23.8	15.5	7.2	22.5	14.9	8.0	–	–	–	–	–	–
68 (0.21)	14.0	20.0	20.1	15.7	5.0	19.2	15.2	5.5	18.3	14.6	6.0	17.4	14.0	6.6	16.4	13.4	7.3	15.3	12.8	8.1	14.9	12.6	8.4
	16.0	22.0	21.5	15.9	5.1	20.5	15.3	5.5	19.6	14.8	6.1	18.6	14.2	6.7	17.5	13.6	7.5	16.4	13.0	8.2	16.0	12.7	8.6
	18.0	25.0	22.9	16.8	5.1	21.9	16.3	5.6	20.9	15.7	6.2	19.9	15.2	6.9	18.8	14.6	7.6	17.6	14.0	8.4	17.2	13.7	8.7
	19.0	27.0	23.7	17.7	5.2	22.7	17.2	5.7	21.6	16.6	6.3	20.5	16.1	6.9	19.4	15.5	7.7	18.2	14.8	8.4	17.7	14.6	8.8
	19.5	27.0	24.1	17.3	5.2	23.0	16.8	5.7	22.0	16.2	6.3	20.9	15.7	7.0	19.7	15.1	7.7	18.6	14.5	8.5	18.0	14.2	8.8
	22.0	30.0	26.0	17.8	5.3	25.0	17.3	5.9	23.8	16.7	6.5	22.6	16.2	7.1	21.4	15.6	7.9	20.2	15.0	8.7	19.6	14.7	9.0
	24.0	32.0	27.7	17.8	5.4	26.6	17.3	6.2	25.4	16.7	6.6	24.1	16.2	7.3	22.8	15.6	8.0	-	-	-	-	-	-
82 (0.24)	14.0	20.0	20.7	16.7	5.0	19.8	16.1	5.5	18.8	15.5	6.1	17.8	14.9	6.7	16.8	14.3	7.4	15.7	13.6	8.2	15.3	13.3	8.5
	16.0	22.0	22.1	16.9	5.1	21.1	16.3	5.6	20.1	15.7	6.2	19.1	15.1	6.8	18.0	14.5	7.5	16.8	13.8	8.3	16.4	13.6	8.6
	18.0	25.0	23.6	18.0	5.2	22.6	17.4	5.7	21.5	16.8	6.3	20.4	16.2	6.9	19.3	15.5	7.6	18.1	14.9	8.4	17.5	14.6	8.8
	19.0	27.0	24.4	19.0	5.2	23.4	18.4	5.7	22.2	17.8	6.3	21.1	17.2	7.0	19.9	16.5	7.7	18.7	15.9	8.5	18.2	15.6	8.8
	19.5	27.0	24.8	18.5	5.3	23.7	17.9	5.8	22.6	17.3	6.4	21.4	16.7	7.0	20.2	16.1	7.7	19.0	15.5	8.5	18.5	15.2	8.9
	22.0	30.0	26.8	19.1	5.4	25.7	18.5	5.9	24.5	17.9	6.5	23.2	17.3	7.2	22.0	16.7	7.9	20.6	16.1	8.7	20.1	15.8	9.1
	24.0	32.0	28.5	19.1	5.5	27.3	18.5	6.0	26.0	18.0	6.6	24.7	17.4	7.3	23.4	16.8	8.1	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (˚CWB)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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UATY09KY1

Indoor air			Outdoor temp.(°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
61 (0.20)	14.0	20.0	23.1	17.3	6.5	22.5	16.9	7.1	21.7	16.4	7.8	20.9	15.9	8.7	19.9	15.3	9.7	18.8	14.6	10.8	18.3	14.3	11.3
	16.0	22.0	24.6	17.4	6.6	23.9	17.0	7.2	23.2	16.5	7.9	22.3	16.0	8.8	21.2	15.4	9.8	20.1	14.7	11.0	19.6	14.4	11.5
	18.0	25.0	26.2	18.3	6.7	25.5	17.9	7.3	24.7	17.4	8.0	23.7	16.9	8.9	22.6	16.3	10.0	21.4	15.6	11.2	20.9	15.3	11.7
	19.0	27.0	27.1	19.2	6.8	26.4	18.8	7.4	25.5	18.3	8.1	24.5	17.7	9.0	23.3	17.1	10.1	22.1	16.4	11.3	21.5	16.1	11.8
	19.5	27.0	27.5	18.8	6.8	26.8	18.4	7.4	25.9	17.9	8.2	24.8	17.3	9.1	23.7	16.7	10.1	22.4	16.0	11.3	21.9	15.8	11.8
	22.0	30.0	29.8	19.3	6.9	28.9	18.8	7.6	28.0	18.3	8.3	26.9	17.8	9.3	25.6	17.1	10.4	24.3	16.5	11.6	23.7	16.2	12.1
	24.0	32.0	31.6	19.2	7.0	30.7	18.8	7.7	29.7	18.3	8.5	28.5	17.7	9.5	27.2	17.1	10.6	-	-	-	-	-	-
68 (0.21)	14.0	20.0	23.6	17.9	6.6	22.9	17.5	7.1	22.2	17.0	8.3	21.3	16.4	8.7	20.3	15.8	9.7	19.1	15.1	10.8	18.6	14.8	11.3
	16.0	22.0	25.2	18.1	6.7	24.5	17.6	7.2	23.6	17.1	8.0	22.7	16.6	8.8	21.6	15.9	9.9	20.4	15.2	11.0	19.9	14.9	11.5
	18.0	25.0	26.8	19.1	6.7	26.1	18.6	7.3	25.2	18.1	8.1	24.2	17.5	9.0	23.0	16.9	10.0	21.8	16.2	11.2	21.2	15.9	11.7
	19.0	27.0	27.7	20.0	6.8	26.9	19.6	7.4	26.0	19.0	8.2	24.9	18.4	9.1	23.8	17.8	10.1	22.5	17.1	11.3	21.9	16.8	11.8
	19.5	27.0	28.1	19.6	6.8	27.3	19.1	7.4	26.4	18.6	8.2	25.3	18.0	9.1	24.1	17.4	10.2	22.8	16.7	11.4	22.3	16.4	11.9
	22.0	30.0	30.4	20.1	7.0	29.5	19.6	7.6	28.5	19.1	8.4	27.4	18.5	9.3	26.1	17.8	10.4	24.7	17.2	11.6	24.1	16.9	12.1
	24.0	32.0	32.3	20.0	7.1	31.3	19.6	7.8	30.2	19.0	8.6	29.1	18.5	9.5	27.7	17.8	10.6	-	-	-	-	-	-
82 (0.24)	14.0	20.0	24.4	19.0	6.6	23.7	18.5	7.2	22.9	18.0	7.9	22.0	17.4	8.8	20.9	16.8	9.8	19.7	16.0	10.9	19.2	15.7	11.4
	16.0	22.0	26.0	19.2	6.7	25.3	18.7	7.3	24.4	18.2	8.0	23.4	17.6	8.9	22.3	16.9	9.9	21.0	16.2	11.1	20.4	15.9	11.6
	18.0	25.0	27.7	20.3	6.8	26.9	19.8	7.4	26.0	19.3	8.2	24.9	18.7	9.1	23.7	18.0	10.1	22.4	17.2	11.3	21.8	16.9	11.8
	19.0	27.0	28.6	21.3	6.9	27.8	20.9	7.5	26.8	20.3	8.2	25.7	19.7	9.2	24.5	19.0	10.2	23.1	18.3	11.4	22.5	17.9	11.9
	19.5	27.0	29.1	20.9	6.9	28.2	20.4	7.5	27.2	19.8	8.3	26.1	19.2	9.2	24.8	18.5	10.3	23.4	17.8	11.4	22.9	17.5	12.0
	22.0	30.0	30.8	21.0	7.0	30.4	20.9	7.7	29.4	20.4	8.5	28.2	19.8	9.4	26.8	19.1	10.5	25.3	18.4	11.7	24.7	18.1	12.2
	24.0	32.0	33.3	21.4	7.2	32.3	20.9	7.8	31.1	20.4	8.7	29.9	19.8	9.6	28.5	19.1	10.7	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
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TC : Total cooling capacity (kW)
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PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014902A

UATY10KY1

Indoor air			Outdoor temp.(°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
75 (0.20)	14.0	20.0	27.9	21.0	7.9	26.9	20.4	8.6	25.9	19.8	9.5	24.8	19.1	10.4	23.8	18.5	11.6	22.6	17.8	13.2	22.1	17.5	13.3
	16.0	22.0	29.7	21.2	8.0	28.7	20.6	8.7	27.6	19.9	9.6	26.5	19.3	10.6	25.3	18.6	11.7	24.2	17.9	13.0	23.7	17.6	13.5
	18.0	25.0	31.6	22.3	8.1	30.6	21.7	8.9	29.4	21.1	9.7	28.2	20.4	10.7	27.0	19.8	11.9	25.8	19.1	13.2	25.3	18.8	13.7
	19.0	27.0	32.6	23.4	8.2	31.5	22.8	8.9	30.3	22.2	9.8	29.2	21.5	10.8	27.9	20.8	12.0	26.6	20.1	13.3	26.1	19.9	13.8
	19.5	27.0	33.1	22.9	8.2	32.0	22.3	9.0	30.8	21.7	9.9	29.6	21.0	10.9	28.3	20.3	12.0	27.0	19.6	13.3	26.5	19.4	13.8
	22.0	30.0	35.7	23.4	8.4	34.6	22.8	9.2	33.3	22.2	10.1	32.0	21.6	11.1	30.7	20.9	12.3	29.3	20.2	13.6	28.7	19.9	14.1
	24.0	32.0	37.9	23.4	8.5	36.7	22.8	9.3	35.4	22.1	10.2	34.0	21.5	11.3	32.6	20.9	12.5	-	-	-	-	-	-
83 (0.21)	14.0	20.0	28.4	21.7	7.9	27.4	21.1	8.6	26.4	20.4	9.5	25.3	19.8	10.5	24.2	19.1	11.6	23.0	18.4	12.8	22.5	18.1	13.4
	16.0	22.0	30.3	21.9	8.0	29.2	21.3	8.8	28.1	20.6	9.6	26.9	19.9	10.6	25.8	19.2	11.8	24.5	18.5	13.0	24.0	18.3	13.5
	18.0	25.0	32.2	23.1	8.2	31.1	22.5	8.9	29.9	21.8	9.8	28.7	21.2	10.8	27.5	20.5	11.9	26.2	19.8	13.2	25.7	19.5	13.7
	19.0	27.0	33.2	24.3	8.2	32.1	23.6	9.0	30.9	23.0	9.9	29.7	22.3	10.9	28.4	21.6	12.0	27.0	20.9	13.3	26.5	20.6	13.8
	19.5	27.0	33.7	23.7	8.3	32.6	23.1	9.0	31.4	22.5	9.9	30.1	21.8	10.9	28.8	21.1	12.1	27.5	20.4	13.4	26.9	20.1	13.9
	22.0	30.0	36.4	24.3	8.4	35.1	23.7	9.2	33.9	23.0	10.1	32.6	22.4	11.1	31.2	21.7	12.3	29.7	21.0	13.6	29.1	20.7	14.2
	24.0	32.0	38.6	24.2	8.6	37.3	23.6	9.4	35.9	23.0	10.3	34.6	22.3	11.3	33.1	21.7	12.5	-	-	-	-	-	-
100 (0.24)	14.0	20.0	29.3	23.0	8.0	28.2	22.4	8.7	27.1	21.7	9.6	26.0	21.0	10.5	24.8	20.2	11.7	23.6	19.5	12.9	23.1	19.2	13.4
	16.0	22.0	31.2	23.2	8.1	30.1	22.5	8.8	28.9	21.9	9.7	27.7	21.2	10.7	26.5	20.4	11.8	25.2	19.7	13.1	24.7	19.4	13.6
	18.0	25.0	33.2	24.6	8.2	32.0	23.9	9.0	30.8	23.2	9.9	29.5	22.5	10.9	28.2	21.8	12.0	26.9	21.0	13.3	26.3	20.7	13.8
	19.0	27.0	34.2	25.9	8.3	33.1	25.2	9.0	31.8	24.5	9.9	30.5	23.8	11.0	29.1	23.1	12.1	27.7	22.3	13.4	27.2	22.0	13.9
	19.5	27.0	34.8	25.3	8.4	33.5	24.6	9.1	32.3	23.9	10.0	31.0	23.2	11.0	29.6	22.5	12.2	28.2	21.7	13.4	27.6	21.4	14.0
	22.0	30.0	37.5	26.0	8.5	36.2	25.3	9.3	34.8	24.6	10.2	33.4	23.9	11.2	32.0	23.2	12.4	30.5	22.5	13.7	29.8	22.1	14.3
	24.0	32.0	39.7	25.9	8.7	38.3	25.3	9.4	36.9	24.6	10.4	35.5	23.9	11.4	33.9	23.2	12.6	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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UATY15KY1

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
122 (0.20)	14.0	20.0	39.3	30.4	10.2	37.7	29.4	11.2	36.0	28.3	12.3	34.2	27.2	13.6	32.4	26.1	15.0	30.4	24.9	16.6	29.6	24.5	17.3
	16.0	22.0	42.0	30.7	10.4	40.3	29.7	11.4	38.5	28.7	12.5	36.6	27.6	13.8	34.7	26.4	15.3	32.6	25.2	16.9	31.8	24.7	17.5
	18.0	25.0	44.9	32.6	10.6	43.0	31.5	11.6	41.2	30.4	12.8	39.2	29.4	14.1	37.1	28.2	15.5	34.9	27.0	17.1	34.0	26.5	17.8
	19.0	27.0	46.4	34.3	10.7	44.5	33.2	11.7	42.5	32.1	12.9	40.5	31.0	14.2	38.4	29.8	15.7	36.1	28.6	17.3	35.2	28.1	18.0
	19.5	27.0	47.2	33.5	10.7	45.2	32.4	11.8	43.2	31.4	12.9	41.2	30.3	14.3	39.0	29.1	15.8	36.7	27.9	17.4	35.8	27.4	18.1
	22.0	30.0	51.0	34.4	11.0	49.0	33.4	12.0	46.9	32.3	13.3	44.6	31.2	14.6	42.3	30.1	16.1	39.9	28.9	17.8	38.9	28.4	18.5
	24.0	32.0	54.3	34.4	11.2	52.2	33.4	12.3	49.9	32.4	13.5	47.5	31.2	14.9	45.1	30.1	16.4	-	-	-	-	-	-
136 (0.21)	14.0	20.0	40.1	31.5	10.3	38.4	30.5	11.3	36.7	29.4	12.4	34.8	28.2	13.7	32.9	27.0	15.1	30.9	25.8	16.7	30.1	25.3	17.3
	16.0	22.0	42.8	31.9	10.5	41.1	30.8	11.4	39.2	29.7	12.6	37.3	28.6	13.9	35.2	27.4	15.3	33.1	26.2	16.9	32.3	25.7	17.6
	18.0	25.0	45.8	33.8	10.6	43.9	32.7	11.7	41.9	31.6	12.8	39.9	30.5	14.1	37.7	29.3	15.6	35.5	28.1	17.2	34.5	27.6	17.9
	19.0	27.0	47.3	35.6	10.7	45.3	34.5	11.8	43.3	33.4	12.9	41.2	32.2	14.3	39.0	31.0	15.8	36.7	29.8	17.4	35.7	29.3	18.1
	19.5	27.0	48.1	34.8	10.8	46.0	33.7	11.8	43.9	32.6	13.0	41.9	31.5	14.3	39.6	30.3	15.8	37.3	29.1	17.4	36.4	28.6	18.1
	22.0	30.0	52.0	35.8	11.1	49.9	34.8	12.1	47.6	33.6	13.3	45.4	32.5	14.7	43.0	31.3	16.2	40.5	30.1	17.9	39.5	29.6	18.5
	24.0	32.0	55.3	35.8	11.3	53.1	34.8	12.4	50.8	33.7	13.6	48.2	32.5	15.0	45.8	31.4	16.5	-	-	-	-	-	-
164 (0.24)	14.0	20.0	41.4	33.4	10.4	39.6	32.3	11.3	37.7	31.1	12.5	36.9	30.9	13.8	33.8	28.7	15.2	31.6	27.3	16.8	30.8	26.8	17.4
	16.0	22.0	44.2	33.8	10.5	42.3	32.7	11.5	40.3	31.5	12.7	38.3	30.3	14.0	36.2	29.1	15.4	33.9	27.8	17.0	33.0	27.2	17.7
	18.0	25.0	47.2	36.0	10.7	45.1	34.9	11.7	43.1	33.7	12.9	40.9	33.3	14.2	38.7	31.2	15.7	36.3	29.9	17.3	35.4	29.4	18.0
	19.0	27.0	48.7	38.0	10.8	46.7	36.8	11.9	44.5	35.7	13.0	43.0	33.6	14.4	40.0	33.1	15.9	37.6	31.8	17.5	36.5	31.2	18.2
	19.5	27.0	49.5	37.1	10.9	47.4	36.0	11.9	45.2	34.8	13.1	43.0	33.6	14.4	40.6	32.3	15.9	38.2	31.0	17.6	37.2	30.5	18.2
	22.0	30.0	53.5	38.3	11.2	51.3	37.2	12.2	48.9	36.0	13.4	46.5	34.8	14.8	44.0	33.5	16.3	41.4	32.2	18.0	40.4	31.7	18.7
	24.0	32.0	56.8	38.3	11.4	54.5	37.2	12.5	52.1	36.1	13.7	49.5	34.9	15.1	46.9	33.6	16.7	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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UATY18KY1

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
122 (0.20)	14.0	20.0	46.0	34.7	13.7	44.9	34.0	14.8	43.5	33.1	16.3	41.8	32.1	18.1	39.9	30.8	20.2	37.8	29.5	22.6	36.8	28.9	23.6
	16.0	22.0	49.0	35.1	13.8	47.8	34.3	15.0	46.3	33.4	16.5	44.5	32.3	18.4	42.5	31.1	20.5	40.2	29.7	22.9	39.3	29.2	24.0
	18.0	25.0	52.3	37.0	14.0	50.9	36.2	15.2	49.4	35.2	16.8	47.4	34.1	18.7	45.3	32.9	20.8	42.9	31.6	23.3	41.9	31.0	24.4
	19.0	27.0	54.0	38.7	14.1	52.6	37.9	15.4	50.9	36.9	16.9	49.0	35.8	18.8	46.7	34.6	21.0	44.3	33.3	23.5	43.2	32.6	24.6
	19.5	27.0	54.8	37.9	14.2	53.4	37.1	15.4	51.7	36.1	17.0	49.7	35.0	18.9	47.5	33.8	21.1	45.0	32.5	23.6	43.9	31.9	24.7
	22.0	30.0	59.2	38.9	14.5	57.7	55.3	15.8	55.8	37.0	17.4	53.7	35.9	19.3	51.3	34.7	21.6	48.7	33.4	24.1	47.5	32.8	25.2
	24.0	32.0	63.0	38.8	14.7	61.3	38.0	16.0	59.3	37.0	17.7	57.1	35.9	19.7	54.5	34.6	22.0	-	-	-	-	-	-
136 (0.21)	14.0	20.0	47.0	36.0	13.7	45.8	35.2	14.9	44.4	34.3	16.4	42.7	33.2	18.2	40.6	31.9	20.3	38.4	30.5	22.7	37.5	29.9	23.7
	16.0	22.0	50.1	36.3	13.9	48.8	35.5	15.1	47.2	34.6	16.6	45.4	33.5	18.4	43.3	32.2	20.6	40.9	30.8	23.0	39.9	30.2	24.1
	18.0	25.0	53.4	38.4	14.1	52.0	37.5	15.3	50.3	36.5	16.9	48.4	35.4	18.8	46.1	34.1	20.9	43.7	32.7	23.4	42.6	32.2	24.5
	19.0	27.0	55.2	40.3	14.2	53.7	39.4	15.4	51.9	38.4	17.0	49.9	37.2	18.9	48.1	36.3	21.1	45.1	34.6	23.6	44.0	33.9	24.7
	19.5	27.0	56.0	39.4	14.3	54.5	38.6	15.5	52.7	37.5	17.1	50.6	36.4	19.0	48.4	35.1	21.2	45.8	33.7	23.7	44.7	33.1	24.8
	22.0	30.0	60.5	40.4	14.5	58.8	39.5	15.8	56.9	38.5	17.5	54.6	37.3	19.5	52.2	36.1	21.7	49.5	34.7	24.3	48.2	34.1	25.3
	24.0	32.0	64.2	40.4	14.8	62.4	39.5	16.1	60.4	38.5	17.8	58.1	37.3	19.8	55.3	36.0	22.1	-	-	-	-	-	-
164 (0.24)	14.0	20.0	48.6	38.2	13.8	47.3	37.3	15.0	45.7	36.3	16.5	43.9	35.1	18.3	41.8	33.8	20.4	39.5	32.3	22.8	38.5	31.7	23.9
	16.0	22.0	51.8	38.6	14.0	50.3	37.7	15.2	48.7	36.7	16.7	46.7	35.5	18.6	44.5	34.1	20.7	42.0	32.7	23.2	41.0	32.1	24.2
	18.0	25.0	55.2	40.8	14.2	53.6	39.9	15.4	51.8	38.8	17.0	49.8	37.6	18.9	47.4	36.3	21.1	44.9	34.8	23.6	43.7	34.2	24.6
	19.0	27.0	57.0	42.9	14.3	55.4	42.0	15.6	53.5	40.8	17.2	51.4	39.7	19.1	49.0	38.3	21.3	46.3	36.8	23.8	45.2	36.2	24.9
	19.5	27.0	57.8	42.0	14.4	56.2	41.1	15.6	54.3	40.0	17.3	52.1	38.7	19.2	49.7	37.4	21.4	47.2	36.1	23.9	45.9	35.3	25.0
	22.0	30.0	62.4	43.1	14.7	60.6	42.2	16.0	58.6	41.1	17.7	56.2	39.9	19.6	53.6	38.5	21.9	50.7	37.1	24.4	49.5	36.4	25.5
	24.0	32.0	66.2	43.1	14.9	64.3	42.2	16.3	62.1	41.1	18.0	59.7	39.9	20.0	56.9	38.6	22.8	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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UATY21KY1

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
150 (0.20)	14.0	20.0	54.8	41.7	15.8	52.9	40.5	17.2	51.0	39.3	18.9	48.9	38.0	20.9	46.8	36.7	23.1	44.6	35.3	25.6	43.7	34.7	26.7
	16.0	22.0	58.4	42.0	16.0	56.4	40.8	17.5	54.3	39.6	19.2	52.2	38.3	21.2	50.0	37.0	23.4	47.6	35.6	26.0	46.7	35.1	27.0
	18.0	25.0	62.2	44.3	16.3	60.1	43.1	17.7	57.9	41.8	19.5	55.6	40.6	21.5	53.3	39.2	23.8	50.8	37.9	26.3	49.8	37.3	27.4
	19.0	27.0	64.1	46.4	16.4	62.1	45.3	17.9	59.8	44.0	19.6	57.3	42.6	21.7	55.0	41.4	24.0	52.5	40.0	26.5	51.4	39.4	27.6
	19.5	27.0	65.1	45.5	16.4	63.0	44.3	17.9	60.6	42.9	19.7	58.3	41.7	21.7	55.9	40.4	24.1	53.3	39.0	26.6	52.3	38.5	27.7
	22.0	30.0	70.3	46.5	16.8	68.0	45.3	18.3	65.6	44.1	20.1	63.0	42.8	22.2	60.4	41.5	24.5	57.7	40.2	27.1	56.6	39.6	28.2
	24.0	32.0	74.6	46.4	17.1	72.2	45.2	18.6	69.6	44.0	20.4	67.0	42.8	22.6	64.2	41.4	24.9	-	-	-	-	-	-
166 (0.21)	14.0	20.0	55.9	43.1	15.9	53.9	41.8	17.3	51.9	40.6	19.0	49.8	39.3	21.0	47.6	37.9	23.2	45.3	36.5	25.7	44.4	35.9	26.8
	16.0	22.0	59.5	43.5	16.1	57.4	42.2	17.5	55.3	40.9	19.3	53.1	39.6	21.3	50.8	38.2	23.5	48.4	36.8	26.0	47.4	36.3	27.1
	18.0	25.0	63.3	45.9	16.3	61.1	44.6	17.8	58.9	43.3	19.6	56.6	42.0	21.6	54.1	40.6	23.9	51.6	39.2	26.4	50.6	38.7	27.5
	19.0	27.0	65.4	48.2	16.5	63.2	47.0	18.0	60.8	45.6	19.7	58.4	44.3	21.8	55.9	42.9	24.1	53.3	41.5	26.6	52.2	40.9	27.7
	19.5	27.0	66.3	47.1	16.5	64.1	45.9	18.0	61.6	44.5	19.8	59.3	43.2	21.8	56.7	41.9	24.1	54.1	40.5	26.7	53.1	39.9	27.8
	22.0	30.0	71.5	48.3	16.9	69.1	47.1	18.4	66.7	45.8	20.2	64.0	44.4	22.3	61.3	43.1	24.6	58.5	41.7	27.2	57.4	41.1	28.3
	24.0	32.0	75.9	48.2	17.1	73.4	47.0	18.7	70.8	45.8	20.5	68.1	44.5	22.7	65.2	43.1	25.0	-	-	-	-	-	-
200 (0.24)	14.0	20.0	57.7	45.7	16.0	55.6	44.4	17.4	53.5	43.0	19.1	51.2	41.6	21.1	48.9	40.2	23.3	46.5	38.7	25.8	45.6	38.1	26.9
	16.0	22.0	61.4	46.1	16.2	59.1	44.8	17.7	56.9	43.4	19.4	54.5	42.0	21.4	52.2	40.6	23.7	49.7	39.1	26.2	48.6	38.5	27.3
	18.0	25.0	65.3	48.9	16.5	63.0	47.5	17.9	60.6	46.1	19.7	58.1	44.7	21.7	55.6	43.3	24.0	52.9	41.8	26.6	51.9	41.2	27.7
	19.0	27.0	67.4	51.4	16.6	65.1	50.1	18.1	62.5	48.7	19.9	60.0	47.2	21.9	57.4	45.8	24.2	54.7	44.3	26.8	53.6	43.7	27.9
	19.5	27.0	68.4	50.2	16.6	66.0	48.9	18.2	63.5	47.5	19.9	60.9	46.1	22.0	58.3	44.7	24.3	55.5	43.2	26.9	54.4	42.6	28.0
	22.0	30.0	73.7	51.6	17.0	71.1	50.2	18.5	68.5	48.9	20.4	65.8	47.6	22.4	62.9	46.1	24.8	60.0	44.6	27.4	58.8	44.0	28.5
	24.0	32.0	78.1	51.5	17.3	75.4	50.2	18.9	72.7	48.9	20.7	69.8	47.6	22.8	66.9	46.2	25.2	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

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7.2 Heating Capacity [50Hz]

UATY06KY1

Indoor air		Outdoor temp. (˚CWB)									
		-5		0		6		10		15	
AFR	EDB(˚C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
47	16.0	13.8	4.4	16.7	4.8	18.3	5.0	20.3	5.3	–	–
	18.0	13.7	4.5	16.7	5.0	18.2	5.2	20.2	5.5	–	–
	20.0	13.7	4.7	16.6	5.1	18.1	5.3	20.1	5.7	22.8	6.2
	21.0	13.7	4.8	16.6	5.2	18.1	5.4	20.1	5.8	22.8	6.3
	22.0	13.7	4.9	16.6	5.3	18.1	5.5	20.0	5.9	22.7	6.4
	24.0	13.7	5.1	16.5	5.5	18.0	5.7	19.9	6.1	22.6	6.6
52	16.0	13.8	4.3	16.7	4.7	18.3	4.9	20.4	5.2	–	–
	18.0	13.8	4.4	16.7	4.8	18.3	5.0	20.3	5.3	–	–
	20.0	13.7	4.6	16.6	5.0	18.2	5.2	20.2	5.5	22.9	6.0
	21.0	13.7	4.7	16.6	5.1	18.1	5.3	20.1	5.6	22.9	6.1
	22.0	13.7	4.8	16.6	5.2	18.1	5.4	20.1	5.7	22.8	6.2
	24.0	13.7	5.0	16.5	5.4	18.0	5.6	20.0	5.9	22.7	6.4
62	16.0	13.8	4.2	16.8	4.5	18.4	4.7	20.6	4.9	–	–
	18.0	13.8	4.3	16.7	4.7	18.4	4.8	20.4	5.1	–	–
	20.0	13.7	4.5	16.7	4.8	18.3	5.0	20.3	5.3	23.1	5.7
	21.0	13.7	4.5	16.7	4.9	18.2	5.1	20.3	5.4	23.1	5.8
	22.0	13.7	4.6	16.6	5.0	18.2	5.2	20.2	5.5	23.0	5.9
	24.0	13.7	4.8	16.3	5.1	18.1	5.4	20.1	5.7	22.9	6.1

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

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UATY08KY1

Indoor air		Outdoor temp. (˚CWB)									
		-5		0		6		10		15	
AFR	EDB(˚C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
61	16.0	20.2	5.0	23.3	5.3	23.3	5.3	30.5	6.2	–	–
	18.0	20.1	5.2	23.2	5.5	23.2	5.5	30.2	6.4	–	–
	20.0	19.9	5.4	23.0	5.7	23.0	5.7	30.0	6.7	34.3	7.3
	21.0	19.9	5.5	22.9	5.8	22.9	5.9	29.8	6.8	34.1	7.5
	22.0	19.8	5.6	22.8	5.9	22.8	5.9	29.7	7.3	34.0	7.6
	24.0	19.7	5.8	22.7	6.2	22.7	6.2	29.5	7.2	33.7	7.9
68	16.0	20.3	4.9	23.5	5.2	23.5	5.2	30.8	6.0	–	–
	18.0	20.1	5.1	23.3	5.4	23.3	5.4	30.5	6.2	–	–
	20.0	20.0	5.3	23.1	5.6	23.1	5.6	30.2	6.5	34.5	7.1
	21.0	19.9	5.4	23.0	5.7	23.0	5.7	30.1	6.6	34.4	7.2
	22.0	19.9	5.5	22.9	5.8	22.9	5.8	29.9	6.7	34.3	7.4
	24.0	19.8	5.7	22.8	6.0	22.8	6.0	29.7	7.0	34.0	7.6
82	16.0	20.4	4.8	23.7	5.0	23.7	5.0	31.2	5.7	–	–
	18.0	20.2	5.0	23.5	5.2	23.5	5.2	30.9	5.9	–	–
	20.0	20.1	5.1	23.3	5.4	23.3	5.4	30.6	6.1	35.0	6.7
	21.0	20.0	5.2	23.2	5.5	23.2	5.5	30.4	6.3	34.8	6.8
	22.0	20.0	5.3	23.1	5.6	23.1	5.6	30.3	6.4	34.7	6.9
	24.0	19.9	5.5	22.9	5.8	22.9	5.8	30.0	6.6	34.4	7.2

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

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UATY09KY1

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
61	16.0	20.3	6.2	23.3	6.6	27.0	7.2	29.9	7.8	-	-
	18.0	20.4	6.4	23.2	6.9	26.9	7.5	29.7	8.1	-	-
	20.0	20.4	6.6	23.2	7.1	26.8	7.9	29.6	8.5	33.3	9.4
	21.0	20.4	6.8	23.2	7.3	26.8	8.0	29.6	8.7	33.2	9.6
	22.0	20.4	7.2	23.2	7.4	26.8	8.2	29.5	8.9	33.2	9.8
	24.0	20.4	7.2	23.2	7.8	26.7	8.6	29.4	9.2	33.0	10.2
68	16.0	20.3	6.0	23.3	6.4	27.1	7.0	30.0	7.5	-	-
	18.0	20.3	6.2	23.3	6.6	27.0	7.2	29.9	7.8	-	-
	20.0	20.4	6.5	23.3	6.9	26.9	7.5	29.8	8.1	33.5	8.9
	21.0	20.4	6.6	23.3	7.0	26.9	7.7	29.7	8.3	33.4	9.1
	22.0	20.4	6.7	23.2	7.2	26.8	7.9	29.6	8.5	33.4	9.3
	24.0	20.4	7.0	23.2	7.5	26.8	8.2	29.5	8.8	33.2	9.7
82	16.0	20.3	5.8	23.3	6.1	27.2	6.6	30.2	7.0	-	-
	18.0	20.3	6.0	23.3	6.3	27.1	6.8	30.1	7.3	-	-
	20.0	20.3	6.2	23.3	6.6	27.0	7.1	30.0	7.6	33.8	8.3
	21.0	20.4	6.3	23.3	6.7	27.0	7.3	29.9	7.7	33.7	8.5
	22.0	20.4	6.4	23.3	6.8	26.9	7.4	29.9	7.9	33.7	8.6
	24.0	20.4	6.7	23.2	7.1	26.9	7.6	29.7	8.2	33.5	9.0

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (°CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7°CDB/6°CWB.
4. Above heating capacities include indoor fan motor heat.

3D014904A

UATY10KY1

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75	16.0	24.4	7.6	27.9	8.1	32.3	8.8	35.7	9.4	-	-
	18.0	24.3	7.9	27.8	8.4	32.2	9.2	35.6	9.8	-	-
	20.0	24.3	8.2	27.7	8.7	32.0	9.5	35.4	10.2	39.9	11.1
	21.0	24.3	8.3	27.6	8.9	32.0	9.7	35.3	10.4	39.8	11.3
	22.0	24.2	8.5	27.6	9.1	31.9	9.9	35.3	10.6	39.7	11.6
	24.0	24.2	8.8	27.5	9.4	31.8	10.3	35.1	11.0	39.6	12.0
83	16.0	24.5	7.4	28.0	7.9	32.5	8.6	35.9	9.1	-	-
	18.0	24.4	7.7	27.8	8.2	32.3	8.9	35.7	9.5	-	-
	20.0	24.3	8.0	27.7	8.5	32.2	9.2	35.6	9.8	40.1	10.7
	21.0	24.3	8.1	27.7	8.7	32.1	9.4	35.5	10.0	40.0	10.9
	22.0	24.3	8.3	27.7	8.8	32.0	9.6	35.4	10.2	39.9	11.1
	24.0	24.2	8.6	27.6	9.2	31.9	10.0	35.3	10.6	39.7	11.6
100	16.0	24.6	7.2	28.1	7.6	32.7	8.2	36.2	8.6	-	-
	18.0	24.5	7.4	28.0	7.9	32.5	8.5	36.0	8.9	-	-
	20.0	24.4	7.7	27.9	8.1	32.4	8.8	35.8	9.3	40.5	10.0
	21.0	24.3	7.8	27.8	8.3	32.3	8.9	35.7	9.5	40.4	10.2
	22.0	24.3	8.0	27.8	8.4	32.2	9.1	35.6	9.6	40.3	10.4
	24.0	24.3	8.3	27.7	8.8	32.1	9.5	35.5	10.0	40.1	10.8

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (°CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7°CDB/6°CWB.
4. Above heating capacities include indoor fan motor heat.

3D014908A

UATY15KY1

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
122	16.0	35.2	9.6	40.2	10.2	46.6	11.1	51.6	11.9	-	-
	18.0	35.1	9.9	40.0	10.6	46.3	11.5	51.2	12.3	-	-
	20.0	34.9	10.3	39.7	10.9	46.0	11.9	50.8	12.8	57.7	14.1
	21.0	34.8	10.5	39.6	11.1	45.8	12.1	50.6	13.0	57.5	14.4
	22.0	34.8	10.7	39.5	11.4	45.6	12.4	50.4	13.2	57.3	14.6
	24.0	34.7	11.1	39.3	11.8	45.3	12.8	50.1	13.8	56.9	15.2
136	16.0	35.4	9.4	40.4	10.0	46.9	10.8	52.0	11.5	-	-
	18.0	35.1	9.7	40.2	10.3	46.5	11.2	51.5	11.9	-	-
	20.0	35.0	10.1	39.9	10.7	46.2	11.6	51.1	12.4	58.1	13.6
	21.0	34.9	10.3	39.8	10.9	46.1	11.8	50.9	12.6	57.9	13.9
	22.0	34.8	10.4	39.7	11.1	45.9	12.0	50.7	12.8	57.7	14.1
	24.0	34.7	10.8	39.4	11.5	45.6	12.5	50.4	13.3	57.3	14.7
164	16.0	35.5	9.2	40.7	9.6	47.4	10.3	52.6	11.0	-	-
	18.0	35.3	9.5	40.4	10.0	47.0	10.7	52.1	11.4	-	-
	20.0	35.1	9.8	40.2	10.3	46.6	11.1	51.7	11.8	58.7	12.9
	21.0	35.1	10.0	40.0	10.5	46.4	11.3	51.5	12.0	58.5	13.1
	22.0	35.0	10.1	39.9	10.7	46.3	11.5	51.3	12.2	58.3	13.3
	24.0	34.8	10.5	39.7	11.1	45.9	11.9	50.9	12.7	57.9	13.9

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (°CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ▭ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7°CDB/6°CWB.
4. Above heating capacities include indoor fan motor heat.

3D014912A

UATY18KY1

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
122	16.0	41.3	12.8	47.3	13.6	54.2	14.8	59.5	15.9	-	-
	18.0	41.1	13.2	46.9	14.1	54.2	15.4	59.3	16.6	-	-
	20.0	40.9	13.7	46.7	14.6	54.2	16.1	59.2	17.3	66.2	19.2
	21.0	40.8	14.0	46.5	14.9	54.2	16.5	59.1	17.7	66.0	19.7
	22.0	40.7	14.2	46.4	15.2	54.1	16.8	59.0	18.1	66.0	20.1
	24.0	40.6	14.8	46.1	15.8	54.1	17.6	59.0	18.9	65.7	21.0
136	16.0	41.4	12.5	47.5	13.3	54.4	14.2	59.6	15.2	-	-
	18.0	41.1	13.0	47.1	13.8	54.3	14.8	59.4	15.9	-	-
	20.0	41.0	13.4	46.8	14.3	54.1	15.5	59.3	16.6	66.4	18.3
	21.0	40.9	13.7	46.7	14.5	54.2	15.8	59.2	16.9	66.3	18.7
	22.0	40.8	13.9	46.6	14.8	54.1	16.1	59.2	17.3	66.2	19.1
	24.0	40.6	14.5	46.3	15.4	54.1	16.9	59.1	18.1	66.0	20.0
164	16.0	41.6	12.2	47.8	12.8	54.5	13.5	60.0	14.3	-	-
	18.0	41.4	12.6	47.5	13.3	54.4	14.0	59.8	14.9	-	-
	20.0	41.2	13.0	47.1	13.8	54.3	14.6	59.7	15.5	66.9	17.0
	21.0	41.1	13.3	47.0	14.0	54.3	14.9	59.6	15.9	66.7	17.3
	22.0	41.0	13.5	46.8	14.3	54.2	15.2	59.5	16.2	66.6	17.7
	24.0	40.8	14.0	46.6	14.8	54.2	15.9	59.3	16.9	66.3	18.5

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (°CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ▭ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7°CDB/6°CWB.
4. Above heating capacities include indoor fan motor heat.

3D014916A

UATY21KY1

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150	16.0	48.8	14.9	55.1	15.9	63.2	17.4	69.4	18.6	-	-
	18.0	48.7	15.4	54.9	16.5	63.0	18.0	69.1	19.3	-	-
	20.0	48.6	16.0	54.8	17.2	62.8	18.8	68.9	20.1	77.0	22.0
	21.0	48.6	16.3	54.8	17.5	62.7	19.1	68.8	20.5	76.9	22.4
	22.0	48.6	16.6	54.7	17.8	62.5	19.5	68.6	20.9	76.7	22.9
	24.0	48.6	17.3	54.7	18.6	62.5	20.3	68.5	21.7	76.5	23.8
166	16.0	48.9	14.6	55.2	15.5	63.4	16.8	69.7	18.0	-	-
	18.0	48.7	15.1	55.0	16.1	63.1	17.5	69.4	18.6	-	-
	20.0	48.7	15.7	54.9	16.7	62.9	18.2	69.1	19.4	77.4	21.1
	21.0	48.6	15.9	54.8	17.0	62.8	18.5	68.9	19.7	77.2	21.5
	22.0	48.6	16.3	54.8	17.3	62.7	18.9	68.8	20.1	77.0	22.0
	24.0	48.6	16.9	54.7	18.0	62.5	19.6	68.6	21.9	76.8	22.8
200	16.0	49.0	14.1	55.5	14.9	63.8	16.0	70.2	17.0	-	-
	18.0	48.9	14.6	55.2	15.4	63.5	16.6	69.9	17.6	-	-
	20.0	48.8	15.1	55.1	16.0	63.3	17.3	69.5	18.3	78.1	19.8
	21.0	48.7	15.4	55.0	16.3	63.2	17.6	69.4	18.6	77.9	20.2
	22.0	48.7	15.6	54.9	16.6	63.1	17.9	69.2	19.0	77.6	20.6
	24.0	48.6	16.2	54.8	17.2	62.9	18.6	69.0	19.8	77.4	21.4

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (°CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7°CDB/6°CWB.
4. Above heating capacities include indoor fan motor heat.

3D014920A

7.3 Cooling Capacity [60Hz]

UATY06KTAL
UATY06KYAL

Indoor air			Outdoor temp. (˚CDB)																					
			25			30			35			40			45			50			52			
AFR(BF)	EWB(˚C)	EDB(˚C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
47 (0.15)	14.0	20.0	15.8	11.8	5.4	15.2	11.5	5.9	14.6	11.1	6.4	13.9	10.7	6.9	13.2	10.3	7.5	12.4	9.8	8.1	12.0	9.6	8.4
	16.0	22.0	16.9	11.9	5.5	16.2	11.5	6.0	15.6	11.2	6.5	14.9	10.8	7.1	14.1	10.3	7.7	13.2	9.9	8.3	12.9	9.7	8.5
	18.0	25.0	17.9	12.6	5.6	17.3	12.2	6.1	16.6	11.8	6.7	15.8	11.4	7.2	15.0	11.0	7.8	14.1	10.5	8.4	13.7	10.3	8.7
	19.0	27.0	18.5	13.2	5.7	17.8	12.8	6.2	17.1	13.0	6.7	16.3	12.1	7.3	15.5	11.6	7.9	14.6	11.2	8.5	14.1	11.0	8.8
	19.5	27.0	18.8	12.9	5.7	18.1	12.5	6.2	17.4	12.1	6.8	16.6	11.7	7.3	15.7	11.3	7.9	14.8	10.9	8.6	14.4	10.7	8.9
	22.0	30.0	20.3	13.1	5.9	19.5	12.8	6.4	18.8	12.4	7.0	17.9	12.0	7.5	17.0	11.6	8.1	16.0	11.2	8.8	15.6	11.0	9.0
	24.0	32.0	21.5	13.1	6.1	20.7	12.7	6.6	19.9	12.4	7.1	19.0	12.0	7.7	18.0	11.5	8.3	–	–	–	–	–	–
52 (0.16)	14.0	20.0	16.1	12.3	5.4	15.5	11.9	5.9	14.9	11.6	6.4	14.2	11.1	7.0	13.4	10.7	7.5	12.6	10.2	8.2	12.2	10.0	8.4
	16.0	22.0	17.2	12.4	5.6	16.5	12.0	6.0	15.9	11.6	6.6	15.1	11.2	7.1	14.3	10.7	7.7	13.4	10.3	8.3	13.1	10.1	8.6
	18.0	25.0	18.3	13.1	5.7	17.6	12.7	6.2	16.9	12.3	6.7	16.1	11.9	7.2	15.2	11.4	7.8	14.3	11.0	8.5	13.9	10.8	8.7
	19.0	27.0	18.9	13.8	5.8	18.1	13.4	6.2	17.4	13.0	6.8	16.6	12.6	7.3	15.7	12.1	7.9	14.8	11.6	8.6	14.4	11.4	8.8
	19.5	27.0	19.2	13.4	5.8	18.4	13.0	6.3	17.7	12.6	6.8	16.9	12.2	7.4	16.0	11.8	8.0	15.0	11.3	8.6	14.6	11.1	8.9
	22.0	30.0	20.7	13.7	6.0	19.9	13.3	6.5	19.1	13.0	7.0	18.2	12.5	7.6	17.2	12.1	8.2	16.2	11.7	8.8	15.8	11.5	9.1
	24.0	32.0	21.9	13.6	6.1	21.1	13.2	6.6	20.2	12.9	7.2	19.3	12.5	7.7	18.3	12.1	8.3	–	–	–	–	–	–
62 (0.18)	14.0	20.0	16.6	13.1	5.5	16.0	12.7	6.0	15.3	12.3	6.5	14.5	11.8	7.0	13.8	11.4	7.6	12.9	10.9	8.2	12.5	10.7	8.5
	16.0	22.0	17.7	13.2	5.6	17.0	12.8	6.1	16.3	12.4	6.6	15.5	11.9	7.2	14.7	11.5	7.8	13.8	11.0	8.4	13.4	11.0	8.6
	18.0	25.0	18.9	14.0	5.8	18.1	13.5	6.2	17.4	13.2	6.8	16.5	12.7	7.3	15.6	12.3	7.9	14.7	11.7	8.5	14.3	11.5	8.8
	19.0	27.0	19.4	14.7	5.8	18.7	14.3	6.3	17.9	13.9	6.8	17.0	13.5	7.4	16.1	13.0	8.0	15.1	12.5	8.6	14.7	12.3	8.9
	19.5	27.0	19.7	14.4	5.9	19.0	14.0	6.4	18.2	13.6	6.9	17.3	13.1	7.4	16.4	12.6	8.0	15.4	12.1	8.7	15.0	11.9	8.9
	22.0	30.0	21.3	14.7	6.0	20.4	14.3	6.5	19.6	13.9	7.1	18.7	13.5	7.6	17.7	13.0	8.2	16.6	12.5	8.9	16.2	12.3	9.1
	24.0	32.0	22.6	14.7	6.2	21.7	14.3	6.7	20.8	13.9	7.2	19.8	13.4	7.8	18.7	13.0	8.4	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (˚CWB)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014895A

UATY08KTAL
UATY08KYAL

Indoor air			Outdoor temp. (˚CDB)																					
			25			30			35			40			45			50			52			
AFR(BF)	EWB(˚C)	EDB(˚C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
61 (0.20)	14.0	20.0	19.4	15.0	5.5	18.8	14.6	6.0	18.1	14.2	6.5	17.3	13.7	7.0	16.5	13.2	7.6	15.6	12.7	8.3	15.2	12.4	8.6
	16.0	22.0	20.7	15.1	5.6	20.0	14.7	6.1	19.3	14.3	6.6	18.5	13.9	7.1	17.6	13.4	7.8	16.7	12.8	8.4	16.3	12.6	8.7
	18.0	25.0	22.1	16.0	5.7	21.4	15.6	6.2	20.6	15.2	6.7	23.1	17.3	7.3	18.8	14.2	7.9	17.8	13.7	8.5	17.4	13.5	8.8
	19.0	27.0	22.8	16.9	5.8	22.1	16.5	6.2	21.3	16.0	6.7	20.4	15.6	7.3	19.5	15.1	7.9	18.4	14.5	8.6	18.0	14.3	8.9
	19.5	27.0	23.1	16.5	5.8	22.4	16.1	6.3	21.6	15.6	6.8	20.7	15.1	7.3	19.8	14.7	8.0	18.7	14.1	8.6	18.3	13.9	8.9
	22.0	30.0	25.0	16.9	5.9	24.2	16.5	6.4	23.4	16.1	6.9	22.4	15.6	7.5	21.4	15.1	8.1	20.3	14.6	8.8	19.8	14.4	9.1
	24.0	32.0	26.6	16.8	6.0	25.7	16.5	6.5	24.8	16.0	7.0	23.8	15.6	7.6	22.7	15.1	8.2	-	-	-	-	-	-
68 (0.21)	14.0	20.0	19.8	15.5	5.6	19.1	15.1	6.0	18.4	14.7	6.5	17.6	14.2	7.1	16.8	13.7	7.7	15.8	13.2	8.3	15.4	12.9	8.6
	16.0	22.0	21.1	15.7	5.6	20.4	15.3	6.1	22.2	16.7	6.6	18.8	14.4	7.2	17.9	13.9	7.8	16.9	13.3	8.4	16.5	13.1	8.7
	18.0	25.0	22.5	16.6	5.7	21.7	16.2	6.2	21.0	15.8	6.7	20.1	15.3	7.3	19.1	14.8	7.9	18.1	14.2	8.6	17.7	14.0	8.8
	19.0	27.0	23.2	17.5	5.8	22.5	17.1	6.3	21.6	16.7	6.8	20.7	16.2	7.3	19.8	15.7	8.0	18.7	15.1	8.6	18.2	14.9	8.9
	19.5	27.0	23.6	17.1	5.8	22.8	16.7	6.3	22.0	16.3	6.8	21.1	15.8	7.4	20.1	15.3	8.0	19.0	14.7	8.6	18.6	14.5	8.9
	22.0	30.0	25.4	17.6	5.9	24.6	17.2	6.4	20.0	14.1	6.9	22.8	16.3	7.5	21.7	15.8	8.1	20.6	15.2	8.8	20.1	15.0	9.1
	24.0	32.0	27.0	17.6	6.0	26.2	17.2	6.5	25.2	16.7	7.1	24.2	16.3	7.6	23.1	15.7	8.3	-	-	-	-	-	-
82 (0.24)	14.0	20.0	20.3	16.5	5.6	19.7	16.1	6.0	18.9	15.6	6.6	18.1	15.1	7.1	17.2	14.6	7.7	16.2	14.0	8.4	15.8	13.7	8.6
	16.0	22.0	21.7	16.7	5.7	21.0	16.2	6.1	20.2	15.8	6.7	19.3	15.3	7.2	18.4	14.7	7.8	17.4	14.1	8.5	16.9	13.9	8.7
	18.0	25.0	23.1	17.7	5.8	22.4	17.3	6.2	21.5	16.8	6.8	20.6	16.3	7.3	19.6	15.8	7.9	18.5	15.2	8.6	18.1	14.9	8.9
	19.0	27.0	23.9	18.7	5.8	23.1	18.3	6.3	22.2	17.8	6.8	21.3	17.3	7.4	20.3	16.8	8.0	19.2	16.2	8.7	18.7	15.9	8.9
	19.5	27.0	24.2	18.3	5.9	23.4	17.9	6.3	22.6	17.4	6.8	21.6	16.9	7.4	21.0	16.7	7.7	19.5	15.8	8.7	19.0	15.5	9.0
	22.0	30.0	26.1	18.8	6.0	25.3	18.4	6.5	24.4	17.9	7.0	23.4	17.4	7.6	22.2	16.9	8.2	21.1	16.3	8.9	20.6	16.1	9.1
	24.0	32.0	27.7	18.8	6.1	26.8	18.4	6.6	25.9	17.9	7.1	24.8	17.5	7.7	23.7	16.9	8.3	-	-	-	-	-	-

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (˚CWB)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014899A

UATY09KTAL
UATY09KYAL

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
61 (0.20)	14.0	20.0	23.4	17.4	7.1	22.6	16.9	7.7	21.8	16.3	8.4	20.9	15.8	9.3	20	15.2	10.3	19	14.6	11.3	18.6	14.4	11.8
	16.0	22.0	24.9	17.5	7.2	24.0	17.0	7.8	23.2	16.5	8.6	22.3	15.9	9.4	21.3	15.3	10.4	20.3	14.7	11.5	19.8	14.5	12.0
	18.0	25.0	26.5	18.4	7.3	25.6	17.9	8.0	24.7	17.3	8.7	23.7	18.5	9.6	22.7	16.2	10.6	21.6	15.6	11.7	21.2	15.4	12.1
	19.0	27.0	27.3	19.2	7.4	26.4	18.7	8.0	25.5	18.2	8.8	24.5	17.6	9.7	23.4	17.0	10.7	22.3	16.4	11.8	21.9	16.2	12.2
	19.5	27.0	27.7	18.8	7.4	26.8	18.3	8.1	25.9	17.8	8.8	24.9	17.2	9.7	23.8	16.7	10.7	22.7	16.1	11.8	22.2	15.8	12.3
	22.0	30.0	29.9	19.3	7.6	29.0	18.7	8.3	28.0	18.2	9.0	26.9	17.7	9.9	25.7	17.1	10.9	24.5	16.5	12.0	24.0	16.2	12.5
	24.0	32.0	31.8	19.2	7.7	30.8	18.7	8.4	29.7	18.2	9.2	28.6	17.6	10.1	27.4	17.1	11.1	–	–	–	–	–	–
68 (0.21)	14.0	20.0	23.9	18.0	7.1	23.1	17.5	7.7	22.2	16.9	8.5	21.3	16.4	9.3	20.4	15.8	10.3	19.4	15.1	11.4	18.9	14.9	11.8
	16.0	22.0	25.4	18.1	7.2	24.6	17.6	7.9	23.7	17.1	8.6	22.7	16.5	9.5	21.7	15.9	10.5	20.6	15.3	11.5	20.2	15.0	12.0
	18.0	25.0	27.1	19.1	7.4	26.1	18.6	8.0	25.2	18.0	8.8	24.2	17.4	9.7	23.1	16.8	10.6	22.0	16.2	11.7	21.6	16.0	12.2
	19.0	27.0	27.9	20.0	7.4	27.0	19.5	8.1	26.0	18.9	8.9	25.0	18.3	9.7	23.9	17.7	10.7	22.7	17.1	11.8	22.3	16.8	12.3
	19.5	27.0	28.3	19.6	7.5	27.4	19.1	8.1	26.4	18.5	8.9	25.3	17.9	9.8	24.4	17.4	10.8	23.1	16.7	11.9	22.6	16.4	12.3
	22.0	30.0	30.6	20.0	7.7	29.6	19.5	8.3	28.5	18.9	9.1	27.4	18.4	10.0	26.2	17.8	11.0	25.0	17.2	12.1	24.5	16.9	12.6
	24.0	32.0	32.4	20.0	7.8	31.4	19.5	8.5	30.3	18.9	9.3	29.1	18.3	10.2	27.9	17.8	11.2	–	–	–	–	–	–
82 (0.24)	14.0	20.0	24.7	19.1	7.2	23.9	18.5	7.8	22.9	18.0	8.6	22.0	17.3	9.4	21.0	16.7	10.4	19.9	16.1	11.5	19.5	15.8	11.9
	16.0	22.0	26.3	19.2	7.3	25.4	18.7	7.9	24.4	18.1	8.7	23.4	17.5	9.6	22.4	16.9	10.5	21.2	16.2	11.6	20.8	15.9	12.1
	18.0	25.0	28.0	20.3	7.4	27.0	19.8	8.1	26.0	19.2	8.9	24.9	18.6	9.7	23.8	17.9	10.7	22.7	17.3	11.8	22.2	17.0	12.3
	19.0	27.0	28.9	21.3	7.5	27.9	20.8	8.2	26.9	20.2	8.9	25.8	19.6	9.8	24.6	18.9	10.8	23.4	18.3	11.9	22.9	18.0	12.4
	19.5	27.0	29.3	20.9	7.6	28.3	20.3	8.2	27.3	19.7	9.0	26.2	19.1	9.9	25.0	18.5	10.9	23.7	17.8	11.9	23.2	17.5	12.4
	22.0	30.0	31.6	21.4	7.7	30.5	20.8	8.4	29.4	20.2	9.2	28.2	19.6	10.1	27.0	19.0	11.1	25.7	18.4	12.2	25.1	18.1	12.7
	24.0	32.0	33.5	21.4	7.9	32.3	20.8	8.6	31.1	20.2	9.4	29.9	19.6	10.3	28.6	19.0	11.3	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014903A

UATY12KTAL
UATY12KYAL

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
88 (0.22)	14.0	20.0	31.0	23.5	9.4	30.0	22.9	10.2	28.9	22.2	11.2	27.8	21.5	12.3	26.5	20.7	13.6	25.2	19.9	14.9	24.6	19.5	15.5
	16.0	22.0	33.0	23.7	9.5	31.9	23.1	10.4	30.8	22.4	11.4	29.6	21.6	12.5	28.3	20.9	13.8	26.8	20.0	15.1	26.2	19.7	15.7
	18.0	25.0	35.2	25.0	9.7	34.0	24.4	10.6	32.8	23.7	11.6	31.5	22.9	12.7	30.1	22.1	14.0	28.6	21.3	15.3	28.0	21.0	15.9
	19.0	27.0	36.3	26.3	9.8	35.1	25.6	10.7	33.9	24.9	11.7	32.5	24.1	12.8	31.0	23.3	14.1	29.5	22.5	15.5	28.9	22.2	16.0
	19.5	27.0	36.8	25.7	9.8	35.7	25.0	10.7	34.4	24.3	11.7	33.1	23.6	12.9	31.5	22.8	14.1	30.0	21.9	15.5	29.3	21.6	16.1
	22.0	30.0	39.7	26.3	10.1	38.4	25.6	11.0	37.1	24.9	12.0	35.6	24.2	13.1	34.1	23.4	14.4	32.4	22.6	15.8	31.7	22.2	16.4
	24.0	32.0	42.1	27.9	10.3	40.8	25.6	11.2	39.3	24.9	12.2	37.8	24.1	13.4	36.2	23.4	14.6	–	–	–	–	–	–
100 (0.23)	14.0	20.0	31.7	24.5	9.4	30.7	23.8	10.3	29.6	23.1	11.3	28.3	22.3	12.4	27.0	21.5	13.6	25.7	20.7	15.0	25.1	20.3	15.6
	16.0	22.0	33.7	24.8	9.6	32.7	24.0	10.5	31.4	23.3	11.5	30.2	22.5	12.6	28.8	21.7	13.8	27.3	20.9	15.2	26.7	20.5	15.8
	18.0	25.0	36.0	26.1	9.8	34.8	25.4	10.6	33.5	24.7	11.7	32.2	23.9	12.8	30.7	23.1	14.0	29.1	22.2	15.4	28.5	21.9	16.0
	19.0	27.0	37.1	27.4	9.9	35.9	27.8	10.7	34.6	26.0	11.7	33.2	25.2	12.9	31.6	24.4	14.2	30.1	23.5	15.5	29.4	23.1	16.1
	19.5	27.0	37.6	26.8	9.9	36.4	26.1	10.8	35.1	25.4	11.8	33.6	24.6	12.9	32.1	23.8	14.2	30.5	22.9	15.6	29.8	22.6	16.2
	22.0	30.0	40.5	27.5	10.1	39.2	26.8	11.0	37.8	26.0	12.1	36.3	25.3	13.2	34.7	24.5	14.5	33.0	23.6	15.9	32.2	23.3	16.5
	24.0	32.0	43.0	27.4	10.3	41.6	26.7	11.2	40.1	26.0	12.3	38.5	25.3	13.4	36.8	24.4	14.7	–	–	–	–	–	–
110 (0.25)	14.0	20.0	32.2	25.2	9.5	31.2	24.5	10.3	30.0	23.8	11.3	28.7	23.0	12.4	27.4	22.2	13.7	26.0	21.3	15.0	25.4	20.9	15.6
	16.0	22.0	34.3	25.4	9.6	33.1	24.7	10.5	31.9	24.0	11.5	30.6	23.2	12.6	29.2	22.3	13.9	27.7	21.5	15.2	27.0	21.1	15.8
	18.0	25.0	36.5	26.9	9.8	35.3	26.2	10.7	34.0	25.4	11.7	32.6	24.7	12.8	31.1	23.8	14.1	29.5	22.9	15.5	28.8	22.5	16.0
	19.0	27.0	37.6	28.3	9.9	36.4	27.6	10.8	35.1	26.8	11.8	33.6	26.0	12.9	32.1	25.2	14.2	30.5	24.3	15.6	29.8	23.9	16.1
	19.5	27.0	38.2	27.6	9.9	37.0	26.9	10.8	35.6	26.2	11.8	34.1	25.4	13.0	32.6	24.6	14.3	30.9	23.6	15.6	30.2	23.3	16.2
	22.0	30.0	41.1	28.4	10.2	39.8	27.6	11.1	38.3	26.9	12.1	36.8	26.1	13.3	35.1	25.3	14.5	33.4	24.4	15.9	32.6	24.0	16.5
	24.0	32.0	43.6	28.3	10.4	42.1	27.6	11.3	40.6	26.9	12.3	39.0	26.1	13.5	37.2	25.3	14.8	–	–	–	–	–	–

Symbols:
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(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014907A

UATY15KTAL
UATY15KYAL

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
122 (0.20)	14.0	20.0	38.7	30.1	11.1	37.6	29.3	12.0	36.2	28.5	13.0	34.8	27.6	14.0	33.1	26.6	15.2	31.3	25.5	16.5	30.5	25.0	17.1
	16.0	22.0	41.3	30.4	11.3	40.1	29.6	12.2	38.7	28.8	13.2	37.1	27.9	14.3	35.4	26.8	15.5	33.5	25.8	16.8	32.7	25.3	17.3
	18.0	25.0	44.0	32.1	11.5	42.7	31.4	12.4	41.2	30.5	13.4	39.6	29.6	14.5	37.7	28.6	15.7	35.8	27.5	17.0	34.9	27.0	17.5
	19.0	27.0	45.5	33.8	11.6	44.1	33.0	12.5	42.6	32.2	13.5	40.9	31.2	14.6	39.0	30.2	15.8	37.0	29.1	17.1	36.1	28.7	17.7
	19.5	27.0	46.2	33.1	11.6	44.8	32.3	12.5	43.2	31.4	13.5	41.5	30.5	14.7	39.6	29.5	15.9	37.6	28.4	17.2	36.7	27.9	17.7
	22.0	30.0	49.9	33.9	11.9	48.4	33.2	12.8	46.7	32.3	13.8	44.9	31.4	15.0	42.9	30.4	16.2	40.7	29.3	17.5	39.7	28.8	18.1
	24.0	32.0	53.0	33.9	12.1	51.4	33.1	13.0	49.7	32.3	14.1	47.7	31.4	15.2	45.6	30.4	16.5	–	–	–	–	–	–
136 (0.21)	14.0	20.0	39.5	31.2	11.1	38.2	30.4	12.0	36.9	29.5	13.0	35.3	28.6	14.1	33.6	27.5	15.3	31.8	26.4	16.6	31.0	25.9	17.1
	16.0	22.0	42.1	31.5	11.3	40.8	30.7	12.2	39.3	29.8	13.2	37.7	28.9	14.3	35.9	27.8	15.5	34.0	26.7	16.8	33.2	26.2	17.4
	18.0	25.0	44.9	33.4	11.5	43.4	32.6	12.4	41.9	31.7	13.4	40.2	30.7	14.5	38.4	29.7	15.8	36.3	28.6	17.1	35.5	28.1	17.6
	19.0	27.0	46.4	35.2	11.6	44.9	34.3	12.5	43.3	33.4	13.5	41.5	32.5	14.7	39.6	31.4	15.9	37.5	30.3	17.2	36.6	29.8	17.7
	19.5	27.0	47.1	34.4	11.7	45.6	33.5	12.6	43.9	32.7	13.6	42.2	31.7	14.7	40.2	30.7	15.9	38.1	29.5	17.3	37.2	29.1	17.8
	22.0	30.0	50.8	35.3	11.9	49.2	34.5	12.9	47.5	33.6	13.9	45.6	32.7	15.0	43.5	31.6	16.3	41.3	30.5	17.6	40.3	30.0	18.1
	24.0	32.0	53.9	35.1	12.2	52.3	34.5	13.1	50.5	33.6	14.1	48.4	32.7	15.3	46.2	31.7	16.5	–	–	–	–	–	–
164 (0.24)	14.0	20.0	40.6	33.0	11.2	39.3	32.2	12.1	37.9	31.3	13.1	36.3	30.3	14.2	34.5	29.2	15.4	32.5	27.9	16.7	49.0	38.2	14.9
	16.0	22.0	43.3	33.4	11.4	41.9	32.6	12.3	40.4	31.6	13.3	38.7	30.6	14.4	36.8	29.5	15.6	34.8	28.3	16.9	52.2	38.6	15.1
	18.0	25.0	46.2	35.5	11.6	44.7	34.6	12.5	43.0	33.7	13.5	41.3	32.7	14.6	39.3	31.6	15.8	37.2	30.4	17.2	55.6	40.9	15.4
	19.0	27.0	47.7	37.5	11.7	46.1	36.6	12.6	44.4	35.7	13.6	42.6	34.6	14.8	40.6	33.5	16.0	38.4	32.3	17.3	57.3	42.8	15.6
	19.5	27.0	48.4	36.6	11.8	46.8	35.7	12.7	45.1	34.8	13.7	43.2	33.8	14.8	41.2	32.7	16.0	39.0	31.5	17.3	58.1	41.9	15.6
	22.0	30.0	52.2	37.7	12.0	50.5	36.9	13.0	48.7	35.9	14.0	46.7	34.9	15.1	44.5	33.8	16.4	42.2	32.7	17.7	62.7	43.0	16.0
	24.0	32.0	55.4	37.7	12.3	53.6	36.9	13.2	51.7	36.0	14.2	49.6	35.0	15.4	47.3	33.9	16.6	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014911A

UATY18KTAL
UATY18KYAL

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
122 (0.20)	14.0	20.0	46.6	35.0	14.8	45.1	34.0	16.1	43.5	33.0	17.7	41.8	31.9	19.5	40.0	30.8	21.5	38.1	29.6	23.8	37.4	29.1	24.8
	16.0	22.0	49.5	35.3	15.0	48.0	34.3	16.4	46.3	33.3	18.0	44.5	32.2	19.8	42.6	31.0	21.9	40.7	29.8	24.1	39.9	29.4	25.1
	18.0	25.0	52.8	37.1	15.3	51.1	36.1	16.7	49.3	35.0	18.3	47.4	34.0	20.1	45.5	32.8	22.2	43.4	31.6	24.5	42.5	31.1	25.5
	19.0	27.0	54.5	38.8	15.4	52.7	37.8	16.8	50.9	36.7	18.4	49.0	35.6	20.3	46.9	34.5	22.4	44.8	33.3	24.7	43.9	32.8	25.7
	19.5	27.0	55.3	38.0	15.5	53.5	37.0	16.9	51.6	35.9	18.5	49.7	34.9	20.4	47.7	33.7	22.5	45.5	32.5	24.8	44.5	32.0	25.8
	22.0	30.0	59.6	38.9	15.9	57.8	37.9	17.3	55.8	36.8	18.9	53.7	35.7	20.8	51.5	34.6	22.9	49.2	33.4	25.3	48.1	32.9	26.3
	24.0	32.0	63.3	38.8	16.2	61.3	37.8	17.6	59.3	36.8	19.3	57.1	35.7	21.2	54.7	34.5	23.3	–	–	–	–	–	–
136 (0.21)	14.0	20.0	47.6	36.2	14.9	46.0	35.2	16.2	44.4	34.2	17.8	42.7	33.0	19.6	40.8	31.9	21.6	38.8	30.6	23.9	38.0	30.1	24.9
	16.0	22.0	50.6	36.5	15.1	49.0	35.5	16.5	47.2	34.4	18.1	45.4	33.3	19.9	43.5	32.1	21.9	41.4	30.9	24.2	40.6	30.4	25.2
	18.0	25.0	53.9	38.5	15.4	52.2	37.5	16.8	50.3	36.4	18.4	48.3	35.2	20.2	46.3	34.1	22.3	44.2	32.8	24.6	43.2	32.3	25.6
	19.0	27.0	55.6	40.3	15.5	53.9	39.3	16.9	51.9	38.2	18.5	49.9	37.0	20.4	47.8	35.8	22.5	45.6	34.6	24.8	44.6	34.0	25.8
	19.5	27.0	56.5	39.5	15.6	54.6	38.4	17.0	52.7	37.3	18.6	50.7	36.2	20.5	48.5	35.0	22.6	46.3	33.8	24.9	45.3	33.2	25.9
	22.0	30.0	60.9	40.4	16.0	58.9	39.4	17.4	56.9	38.3	19.0	54.7	37.1	20.9	52.4	36.0	23.0	50.0	34.7	25.4	49.0	34.2	26.4
	24.0	32.0	64.6	40.4	16.3	62.5	39.3	17.7	60.4	38.3	19.4	58.1	37.1	21.3	55.6	35.9	23.4	–	–	–	–	–	–
164 (0.24)	14.0	20.0	49.2	38.3	15.0	47.6	37.3	16.3	45.8	36.2	17.9	44.0	35.0	19.7	42.0	33.7	21.8	40.0	32.4	24.1	39.1	31.9	25.0
	16.0	22.0	52.3	38.7	15.3	50.6	37.6	16.6	48.7	36.5	18.2	46.8	35.3	20.0	44.8	34.1	22.1	42.6	32.8	24.4	41.7	32.2	25.4
	18.0	25.0	55.8	41.0	15.5	53.9	39.8	16.9	51.9	38.7	18.5	49.8	37.5	20.4	47.6	36.2	22.5	45.4	34.9	24.8	44.4	34.3	25.7
	19.0	27.0	57.5	42.9	15.7	55.6	41.8	17.1	53.6	40.7	18.7	51.4	39.4	20.6	49.2	38.2	22.6	46.9	36.9	25.0	45.9	36.3	25.9
	19.5	27.0	58.3	42.0	15.8	56.4	40.9	17.1	54.3	39.7	18.8	52.2	38.5	20.6	49.9	37.3	23.2	47.6	36.0	25.1	46.6	35.4	26.0
	22.0	30.0	62.8	43.1	16.1	60.8	42.0	17.5	58.6	40.9	19.2	56.3	39.7	21.1	53.9	38.4	23.2	51.3	37.1	25.6	50.3	36.5	26.6
	24.0	32.0	66.6	43.1	16.5	64.4	42.0	17.9	62.1	40.9	19.6	59.7	39.7	21.5	57.2	38.4	23.6	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014915A

UATY21KTAL
UATY21KYAL

Indoor air			Outdoor temp. (°CDB)																					
			25			30			35			40			45			50			52		
AFR(BF)	EWB(°C)	EDB(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
150 (0.20)	14.0	20.0	54.8	41.5	16.4	52.9	40.3	17.9	51.0	39.0	19.7	48.9	37.8	21.6	46.8	36.4	23.8	44.6	35.3	25.6	43.7	34.7	26.7
	16.0	22.0	58.4	41.8	16.7	56.3	40.6	18.2	54.3	39.3	20.0	52.1	38.1	21.9	49.9	36.7	24.2	47.6	35.6	26.0	46.7	35.1	27.0
	18.0	25.0	62.2	44.1	17.0	59.9	42.8	18.5	57.7	41.5	20.3	55.5	40.3	22.3	53.2	38.9	24.5	50.8	37.9	26.3	49.8	37.3	27.4
	19.0	27.0	64.1	46.2	17.1	61.9	44.9	18.7	59.7	43.7	20.4	57.3	42.3	22.4	54.9	41.0	24.7	52.4	40.0	26.5	51.4	39.4	27.6
	19.5	27.0	65.0	45.2	17.2	62.9	43.9	18.7	60.5	42.6	20.5	58.1	41.3	22.5	55.7	40.0	24.8	53.2	39.0	26.6	52.3	38.5	27.7
	22.0	30.0	70.2	46.2	17.6	67.8	45.0	19.1	65.4	43.7	20.9	62.8	42.4	23.0	60.2	41.1	25.2	57.5	40.2	27.1	56.6	39.6	28.2
	24.0	32.0	74.5	46.1	17.9	72.0	44.9	19.5	69.4	43.6	21.3	66.8	42.4	23.3	63.9	41.0	25.6	–	–	–	–	–	–
166 (0.21)	14.0	20.0	55.9	42.9	16.5	53.9	41.6	18.0	51.9	40.3	19.7	49.8	39.0	21.7	47.6	37.7	23.9	45.3	36.5	25.7	44.4	35.9	26.8
	16.0	22.0	59.4	43.2	16.8	57.4	42.0	18.3	55.2	40.7	20.0	53.0	39.4	22.0	50.7	38.0	24.2	48.4	36.8	26.0	47.4	36.3	27.1
	18.0	25.0	63.4	45.7	17.1	61.1	44.4	18.7	58.8	43.0	20.4	56.5	41.7	22.4	54.0	40.3	24.6	51.5	39.2	26.4	50.6	38.7	27.5
	19.0	27.0	65.3	47.9	17.2	63.1	46.6	18.7	60.7	45.2	20.5	58.2	43.9	22.5	55.8	42.5	24.8	53.2	41.5	26.6	52.2	40.9	27.7
	19.5	27.0	66.3	46.8	17.3	64.1	45.6	18.8	61.6	44.2	20.6	59.1	42.9	22.6	56.6	41.5	24.9	54.0	40.5	26.7	53.1	39.9	27.8
	22.0	30.0	71.5	48.0	17.7	69.0	46.7	19.2	66.5	45.4	21.0	63.9	44.1	23.1	61.2	42.7	25.3	58.4	41.7	27.2	57.4	41.1	28.3
	24.0	32.0	75.8	47.9	18.0	73.1	46.6	19.6	70.6	45.3	21.4	67.9	44.1	23.4	64.9	42.6	25.7	–	–	–	–	–	–
200 (0.24)	14.0	20.0	57.7	45.5	16.6	55.6	44.1	18.1	53.4	42.8	19.9	51.2	41.4	21.9	48.9	39.9	24.1	46.6	38.7	25.8	45.6	38.1	26.9
	16.0	22.0	61.4	45.9	16.9	59.1	44.5	18.4	56.9	43.2	20.2	54.5	41.8	22.2	52.1	40.3	24.4	49.7	39.1	26.2	48.6	38.5	27.3
	18.0	25.0	65.3	48.5	17.2	63.0	47.2	18.7	60.5	45.8	20.5	58.1	44.4	22.5	55.5	42.9	24.7	52.9	41.8	26.6	51.9	41.2	27.7
	19.0	27.0	67.4	51.0	17.4	65.0	49.7	18.9	62.4	48.2	20.7	59.9	46.8	22.7	57.3	45.4	24.9	54.6	44.3	26.8	53.6	43.7	27.9
	19.5	27.0	68.3	49.9	17.4	65.9	48.5	19.0	63.5	47.2	20.8	60.8	45.7	22.8	58.2	44.3	25.0	55.5	43.2	26.9	54.4	42.6	28.0
	22.0	30.0	73.6	51.2	17.8	71.1	49.9	19.4	68.4	48.5	21.2	65.7	47.1	23.2	62.8	45.6	25.5	59.9	44.6	27.4	58.8	44.0	28.5
	24.0	32.0	78.0	51.2	18.2	75.3	49.8	19.8	72.5	48.5	21.6	69.7	47.1	23.6	66.7	45.7	25.9	–	–	–	–	–	–

Symbols:
AFR : Air flow rate (m³/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°CWB)
EDB : Entering dry bulb temp. (°CDB)
TC : Total cooling capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. SHC is based on each EWB and EDB.
SHC*=SHC correction for other dry bulb. (DB*)
=0.02×AFR×(1-BF)×(DB*-EDB)
Add SHC* to SHC.
4. Above cooling capacities do not include indoor fan motor heat.

3D014919A

7.4 Heating Capacity [60Hz]

UATY06KTAL
UATY06KYAL

Indoor air		Outdoor temp. (˚CWB)									
		-5		0		6		10		15	
AFR	EDB(˚C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
47	16.0	13.5	5.0	15.5	5.4	18.2	5.9	20.2	6.2	–	–
	18.0	13.5	5.2	15.5	5.6	18.2	6.1	20.2	6.5	–	–
	20.0	13.5	5.4	15.5	5.8	18.1	6.3	20.1	6.7	22.7	7.2
	21.0	13.6	5.5	15.5	5.9	18.1	6.4	20.0	6.8	22.6	7.3
	22.0	13.6	5.6	15.5	5.9	18.1	6.5	20.0	6.9	22.5	7.4
	24.0	13.6	5.7	15.5	6.2	18.0	6.7	19.9	7.1	22.4	7.7
52	16.0	13.5	4.9	15.6	5.3	18.3	5.7	20.3	6.1	–	–
	18.0	13.5	5.1	15.6	5.4	18.2	5.9	20.2	6.3	–	–
	20.0	13.5	5.3	15.5	5.6	18.2	6.1	20.1	6.5	22.8	7.0
	21.0	13.5	5.4	15.5	5.7	18.1	6.2	20.1	6.6	23.0	7.1
	22.0	13.5	5.4	15.5	5.8	18.1	6.3	20.1	6.7	22.7	7.2
	24.0	13.6	5.6	15.5	6.0	18.1	6.5	20.0	6.9	22.6	7.4
62	16.0	13.6	4.8	15.6	5.1	18.3	5.5	20.4	5.8	–	–
	18.0	13.5	4.9	15.6	5.3	18.3	5.7	20.3	6.0	–	–
	20.0	13.5	5.1	15.6	5.4	18.2	5.9	20.2	6.2	23.0	6.7
	21.0	13.5	5.2	15.5	5.5	18.2	6.0	20.2	6.3	22.9	6.8
	22.0	13.5	5.3	15.5	5.6	18.2	6.1	20.2	6.4	22.9	6.9
	24.0	13.5	5.5	15.5	5.8	18.1	6.3	20.1	6.6	22.7	7.1

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

3D014897A

UATY08KTAL
UATY08KYAL

Indoor air		Outdoor temp. (˚CWB)									
		-5		0		6		10		15	
AFR	EDB(˚C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
61	16.0	17.2	4.6	19.9	4.9	23.3	5.4	25.9	5.7	–	–
	18.0	17.1	4.8	19.7	5.1	23.1	5.6	25.7	5.9	–	–
	20.0	17.0	5.0	19.6	5.3	23.0	5.8	25.5	6.1	29.1	6.7
	21.0	16.9	5.1	19.5	5.4	22.9	5.8	25.4	6.2	29.0	6.8
	22.0	16.9	5.2	19.5	5.5	22.9	5.9	25.4	6.3	28.9	6.9
	24.0	16.8	5.4	19.3	5.7	22.7	6.1	25.2	6.5	28.7	7.1
68	16.0	17.3	4.6	20.0	4.8	23.3	5.3	26.0	5.6	–	–
	18.0	17.2	4.7	19.8	5.0	23.2	5.4	25.8	5.8	–	–
	20.0	17.0	4.9	19.7	5.2	23.1	5.6	25.7	5.9	29.3	6.4
	21.0	17.0	5.0	19.6	5.3	23.0	5.7	25.6	6.0	29.2	6.6
	22.0	16.9	5.1	19.5	5.4	23.0	5.8	25.5	6.1	29.1	6.7
	24.0	16.9	5.2	19.4	5.6	22.8	6.0	25.3	6.4	28.9	6.9
82	16.0	17.4	4.4	20.2	4.7	23.5	5.1	26.2	5.3	–	–
	18.0	17.2	4.6	20.0	4.8	24.1	5.2	26.1	5.5	–	–
	20.0	17.1	4.7	19.8	5.0	23.2	5.4	25.9	5.7	29.5	6.1
	21.0	17.1	4.8	19.8	5.1	23.2	5.5	25.8	5.8	29.4	6.2
	22.0	17.0	4.9	19.7	5.2	23.1	5.6	25.7	5.9	29.3	6.3
	24.0	16.9	5.1	19.5	5.4	23.0	5.8	25.5	6.1	29.2	6.6

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

3D014901A

UATY09KTAL
UATY09KYAL

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
61	16.0	20.5	6.6	23.3	7.1	27.0	7.8	29.8	8.4	-	-
	18.0	20.5	6.8	23.3	7.4	26.9	8.1	29.7	8.8	-	-
	20.0	20.4	7.1	23.2	7.7	26.8	8.5	29.6	9.1	33.3	10.0
	21.0	20.4	7.3	23.2	7.8	26.8	8.6	29.5	9.3	33.2	10.2
	22.0	20.4	7.4	23.2	8.0	26.7	8.8	29.5	9.4	33.1	10.4
	24.0	20.4	7.7	23.2	8.3	26.7	9.1	29.4	9.8	33.0	10.8
68	16.0	20.6	6.4	23.4	6.9	27.1	7.6	30.0	8.1	-	-
	18.0	20.5	6.7	23.3	7.2	27.0	7.8	29.8	8.4	-	-
	20.0	20.5	6.9	23.3	7.4	26.9	8.1	29.7	8.7	33.4	9.5
	21.0	20.4	7.0	23.3	7.6	26.9	8.3	29.7	8.9	33.4	9.7
	22.0	20.4	7.2	23.2	7.7	26.8	8.5	29.6	9.1	33.3	9.9
	24.0	20.4	7.5	23.2	8.0	26.7	8.8	29.5	9.4	33.1	10.3
82	16.0	20.6	6.2	23.5	6.6	27.3	7.2	30.3	7.6	-	-
	18.0	20.5	6.4	23.5	6.8	27.2	7.4	30.1	7.9	-	-
	20.0	20.5	6.6	23.4	7.1	27.0	7.7	30.0	8.2	33.8	8.9
	21.0	20.5	6.7	23.3	7.2	27.0	7.8	29.9	8.4	33.7	9.1
	22.0	20.5	6.9	23.3	7.4	26.9	8.0	29.8	8.5	33.6	9.2
	24.0	20.4	7.1	23.3	7.6	26.8	8.3	29.7	8.8	33.4	9.6

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

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UATY12KTAL
UATY12KYAL

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
88	16.0	27.4	9.1	31.2	9.8	36.2	10.7	39.9	11.5	-	-
	18.0	27.4	9.4	31.2	10.1	36.1	11.1	39.8	11.9	-	-
	20.0	27.5	9.8	31.2	10.5	36.0	11.5	39.6	12.3	44.4	13.4
	21.0	27.5	9.2	31.2	10.7	35.9	11.7	39.5	12.5	44.3	13.6
	22.0	27.5	10.2	31.2	10.9	35.9	12.0	39.5	12.8	44.2	13.9
	24.0	27.6	10.6	31.2	11.4	35.8	12.4	39.3	13.2	44.0	14.4
100	16.0	27.4	8.8	31.3	9.5	36.3	10.3	40.1	11.0	-	-
	18.0	27.4	9.2	31.2	9.8	36.2	10.7	40.0	11.4	-	-
	20.0	27.5	9.5	31.2	10.2	36.1	11.1	39.8	11.8	44.7	12.8
	21.0	27.5	9.7	31.2	10.4	36.1	11.3	39.8	12.0	44.6	13.1
	22.0	27.5	9.9	31.2	10.6	36.0	11.5	39.7	12.3	44.5	13.3
	24.0	27.5	10.3	31.2	11.0	35.9	12.0	39.5	12.7	44.2	13.8
110	16.0	27.4	8.7	31.3	9.3	36.4	10.1	40.2	10.7	-	-
	18.0	27.4	9.0	31.3	9.6	36.3	10.4	40.1	11.1	-	-
	20.0	27.4	9.3	31.2	10.0	36.2	10.8	39.9	11.5	44.9	12.5
	21.0	27.5	9.5	31.2	10.2	36.1	11.0	39.8	11.7	44.8	12.7
	22.0	27.5	9.7	31.2	10.3	36.1	11.2	39.8	11.9	44.7	12.6
	24.0	27.5	10.1	31.2	10.7	36.0	11.7	39.6	12.4	44.5	13.4

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

3D014909A

UATY15KTAL
UATY15KYAL

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
122	16.0	35.2	10.1	40.2	10.8	46.4	11.8	51.2	12.5	-	-
	18.0	35.2	10.5	40.1	11.2	46.2	12.1	50.9	12.9	-	-
	20.0	35.2	10.8	39.9	11.5	46.0	12.5	50.6	13.3	57.2	14.4
	21.0	35.1	11.0	39.9	11.7	45.9	12.7	50.5	13.5	57.0	14.6
	22.0	35.1	11.2	39.8	11.9	45.7	12.9	50.3	13.7	56.9	14.8
	24.0	35.0	11.5	39.6	12.3	45.5	13.3	50.1	14.1	56.5	15.3
136	16.0	35.3	10.0	40.3	10.6	46.6	11.5	51.5	12.2	-	-
	18.0	35.2	10.3	40.1	11.0	46.4	11.8	51.2	12.6	-	-
	20.0	35.2	10.6	40.0	11.3	46.2	12.2	50.9	12.9	57.6	14.0
	21.0	35.2	10.8	40.0	11.5	46.1	12.4	50.7	13.1	57.4	14.2
	22.0	39.8	11.0	39.9	11.7	45.9	12.6	50.6	13.3	57.2	14.4
	24.0	35.0	11.3	39.7	12.0	45.7	13.0	50.3	13.7	56.9	14.9
164	16.0	35.3	9.7	40.4	10.3	46.8	11.1	51.9	11.7	-	-
	18.0	35.3	10.0	40.3	10.6	46.6	11.4	51.6	12.1	-	-
	20.0	35.2	10.3	40.1	11.0	46.4	11.8	51.3	12.4	58.1	13.4
	21.0	35.1	10.5	40.1	11.1	46.3	12.0	51.1	12.6	57.9	13.6
	22.0	35.2	10.7	40.0	11.3	46.2	12.1	51.0	12.8	57.7	13.8
	24.0	35.1	11.0	39.9	11.7	46.0	12.5	50.7	13.2	57.4	14.2

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

3D014913A

UATY18KTAL
UATY18KYAL

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
122	16.0	41.3	14.1	47.2	15.1	54.7	16.5	60.4	17.5	-	-
	18.0	41.2	14.6	47.0	15.6	54.4	17.0	60.1	18.1	-	-
	20.0	41.2	15.1	46.9	16.2	54.1	17.6	59.7	18.7	67.6	20.3
	21.0	41.1	15.3	46.8	16.4	54.0	17.8	59.5	19.0	67.4	20.6
	22.0	41.1	15.6	46.7	16.7	53.8	18.1	59.3	19.3	67.2	21.0
	24.0	41.0	16.1	46.5	17.2	53.6	18.7	59.0	19.9	66.7	21.6
136	16.0	41.3	13.9	47.3	14.8	54.9	16.1	60.7	17.1	-	-
	18.0	41.2	14.3	47.1	15.3	54.6	16.6	60.4	17.6	-	-
	20.0	41.2	14.8	47.0	15.8	54.3	17.1	60.0	18.2	68.0	19.7
	21.0	41.2	15.0	46.9	16.1	54.2	17.4	59.8	18.5	67.8	20.0
	22.0	46.7	15.3	46.8	16.3	54.1	17.7	59.7	18.8	67.6	20.3
	24.0	41.0	15.8	46.7	16.9	53.8	18.3	59.3	19.4	67.2	21.0
164	16.0	41.3	13.5	47.4	14.4	55.2	15.5	61.2	16.4	-	-
	18.0	41.3	13.9	47.3	14.8	54.9	16.0	60.9	16.9	-	-
	20.0	41.2	14.4	47.1	15.3	54.7	16.5	60.5	17.4	68.6	18.8
	21.0	41.1	14.6	47.1	15.5	54.5	16.8	60.3	17.7	68.4	19.1
	22.0	41.2	14.9	47.0	15.8	54.4	17.0	60.1	18.0	68.2	19.4
	24.0	41.1	15.4	46.8	16.3	54.1	17.6	59.8	18.6	67.8	20.0

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. [ ] shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

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UATY21KTAL
UATY21KYAL

Indoor air		Outdoor temp. (°CWB)									
		-5		0		6		10		15	
AFR	EDB(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150	16.0	49.0	15.5	55.2	16.7	63.2	18.3	69.2	19.5	-	-
	18.0	48.9	16.1	55.0	17.3	63.0	19.0	69.0	20.3	-	-
	20.0	48.9	16.7	54.9	18.0	62.8	19.7	68.7	21.0	76.9	23.0
	21.0	48.9	17.1	54.9	18.3	62.7	20.1	68.6	21.4	76.6	23.4
	22.0	48.9	17.4	54.9	18.7	62.7	20.4	68.5	21.8	76.4	23.8
	24.0	49.0	18.1	54.8	19.4	62.5	21.2	68.3	22.7	76.1	24.6
166	16.0	49.1	15.1	55.3	16.2	63.4	17.7	69.6	18.9	-	-
	18.0	49.0	15.7	55.2	16.8	63.1	18.4	69.3	19.6	-	-
	20.0	48.9	16.3	55.0	17.5	62.9	19.1	69.0	20.3	77.2	22.1
	21.0	48.9	16.6	55.0	17.8	62.8	19.4	68.9	20.7	77.0	22.5
	22.0	48.9	17.0	54.9	18.2	62.7	19.8	68.8	21.1	76.8	22.9
	24.0	48.9	17.6	54.9	18.9	62.5	20.5	68.5	21.9	76.5	23.7
200	16.0	49.2	14.5	55.6	15.5	63.9	16.9	70.2	17.9	-	-
	18.0	49.1	15.1	55.4	16.1	63.6	17.5	69.9	18.6	-	-
	20.0	49.0	15.7	55.2	16.7	63.3	18.1	69.5	19.2	78.0	20.8
	21.0	48.9	16.0	55.1	17.0	63.2	18.4	69.4	19.6	77.6	21.1
	22.0	48.9	16.3	55.1	17.3	63.1	18.8	69.2	19.9	77.4	21.5
	24.0	48.9	16.9	55.0	18.0	62.9	19.5	68.9	20.7	77.1	22.3

Symbols:
AFR : Air flow rate (m³/min.)
EDB : Entering dry bulb temp. (˚CDB)
TC : Total heating capacity (kW)
PI : Power input (kW)
(Comp.+outdoor fan motor).

Notes:
1. Direct interpolation is permissible.
Do not extrapolate beyond the Operation Limits.
2. ☐ shows nominal capacities.
3. Capacities are based on the following conditions.
Outdoor air : 85% RH. However, the condition on nominal capacity is 7˚CDB/6˚CWB.
4. Above heating capacities include indoor fan motor heat.

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8. Fan Performance

8.1 Fan Performance Data

FAN PERFORMANCE DATA

MODEL	AIR FLOW (m^3/min)	FAN SPEED / MOTOR OUTPUT	ESP (mmH_2O) 0	5	10	15	20	25	30	35	40	45	50	STANDARD POINT (FACTORY SETTING)
UATY06K UAT06KA	47	(RPM)	630	770	910	1040	1170	1300						AIR FLOW=52 m^3/min ESP=9 mmH2O FAN SPEED=930 RPM
		(kW)	0.10	0.15	0.23	0.32	0.40	0.49						
	52	(RPM)	710	830	960	1080	1210	1330						
		(kW)	0.13	0.19	0.28	0.37	0.46	0.56						
	62	(RPM)	850	960	1070	1180	1290	1400						
		(kW)	0.26	0.32	0.40	0.50	0.62	0.72						
UATY08K UATY09K UAT08KA UAT09KA	61	(RPM)	640	780	910	1010	1100	1200	1290	1370				AIR FLOW=68 m^3/min ESP=10mmH2O FAN SPEED=970 RPM
		(kW)	0.22	0.33	0.45	0.56	0.68	0.79	0.91	1.01				
	68	(RPM)	730	850	970	1080	1160	1250	1340	1410				
		(kW)	0.32	0.44	0.53	0.70	0.83	0.96	1.08	1.21				
	82	(RPM)	930	1010	1100	1180	1250	1330	1400	1460				
		(kW)	0.58	0.73	0.88	1.03	1.19	1.35	1.51	1.71				
UATY10K UAT10KA	75	(RPM)	680	790	890	900	1080	1180	1260	1350	1430	1510		AIR FLOW=83 m^3/min ESP=10mmH2O FAN SPEED=950 RPM
		(kW)	0.27	0.40	0.54	0.67	0.81	0.95	1.09	1.24	1.38	1.52		
	83	(RPM)	750	850	950	1040	1130	1220	1310	1380	1460	1550		
		(kW)	0.40	0.55	0.69	0.84	0.99	1.16	1.30	1.44	1.54	1.64		
	100	(RPM)	940	1020	1100	1180	1250	1330	1410	1480	1560			
		(kW)	0.74	0.91	1.08	1.25	1.42	1.59	1.75	1.91	2.06			
UATY12K UAT12KA	88	(RPM)	800	890	990	1080	1160	1250	1330	1410				AIR FLOW=100m^3/min ESP=10mmH2O FAN SPEED=1100RPM
		(kW)	0.50	0.65	0.79	0.95	1.11	1.27	1.42	1.57				
	100	(RPM)	940	1020	1100	1180	1250	1330	1410	1480				
		(kW)	0.74	0.91	1.08	1.25	1.42	1.59	1.75	1.91				
	110	(RPM)	1070	1140	1200	1270	1330	1400	1470	1540				
		(kW)	0.96	1.14	1.34	1.52	1.69	1.87	2.04	2.91				
UATY15K UAT15KA	123	(RPM)	660	740	830	900	980	1050	1130	1190	1260	1330		AIR FLOW=136m^3/min ESP=15mmH2O FAN SPEED=920 RPM
		(kW)	0.68	0.83	1.00	1.14	1.34	1.51	1.76	1.95	2.17	2.39		
	136	(RPM)	710	780	850	920	1000	1070	1140	1210	1280	1350		
		(kW)	0.93	1.04	1.20	1.36	1.57	1.76	1.96	2.17	2.37	2.57		
	163	(RPM)	850	910	980	1040	1110	1180	1240	1300				
		(kW)	1.55	1.72	1.93	2.11	2.30	2.49	3.18	3.37				
UATY18K UAT18KA	130	(RPM)	690	760	840	910	990	1060	1130	1200	1270	1340		AIR FLOW=136m^3/min ESP=15mmH2O FAN SPEED=920 RPM
		(kW)	0.83	0.92	1.10	1.24	1.43	1.62	1.86	2.01	2.26	2.50		
	136	(RPM)	710	780	850	920	1000	1070	1140	1210	1280	1350		
		(kW)	0.93	1.04	1.20	1.36	1.57	1.76	1.96	2.17	2.37	2.57		
	163	(RPM)	850	910	980	1040	1110	1180	1240	1300				
		(kW)	1.55	1.72	1.93	2.11	2.30	2.49	3.18	3.37				
UATY21K UAT21KA	150	(RPM)	640	720	790	860	930	990	1060	1120	1190	1250		AIR FLOW=166m^3/min ESP=15 mmH2O FAN SPEED=920 RPM
		(kW)	0.92	1.07	1.23	1.39	1.57	1.75	1.96	2.15	2.35	2.54		
	166	(RPM)	720	790	860	920	980	1040	1100	1160	1210	1270		
		(kW)	1.35	1.43	1.62	1.79	1.98	2.17	2.38	2.59	2.80	3.01		
	199	(RPM)	890	940	1050	1100	1160	1210	1280	1340				
		(kW)	2.25	2.44	2.87	3.08	3.34	3.55	3.78	4.00				

NOTE:
1 FIGURES ARE REFERENCE VALUE.
2 THE FIGURES INDICATED BY ▭ MEANS THE CASE OF FAN MOTOR 1 SIZE UP.

MODEL	OPERATION RANGE AIR FLOW (m^3/min)	RPM	MAX. ALLOWABLE RPM	FAN MOTOR SECIFICATIONS TYPE	RPM	kW	PULLEY SPECIFICATIONS MOTOR PULLEY TYPE	SHAFT D.	PITCH D.	FAN PULLEY TYPE	SHAFT D.	PITCH D.	BELT SIZE
UATY06KY1 UAT06KAY1	47 - 62	630-1400	1400	3 PHASE 50 Hz	1410	0.75	A	19	90	A	20	140	A41
UATY08KY1 UATY09KY1 UAT08KAY1 UAT09KAY1	61 - 82	640-1460	1460			1.5	A	24	106	A	20	160	A49
UATY10KY1 UAT10KAY1	75 - 100	680-1560	1560										
UATY15KY1 UATY18KY1 UAT15KAY1 UAT18KAY1	123-163	660-1350	1350			2.2	B	28	160	B	30	250	B66
UATY21KY1	150-199	640-1340	1340			3.7	2B	28	160	2B	30	250	B81
UATY06KTAL, YAL UAT06KATAL, YAL	47 - 62	630-1400	1400	3 PHASE 60 Hz	1710	0.75	A	19	75	A	20	140	A40
UATY08KTAL, YAL UATY09KTAL, YAL UAT08KATAL, YAL UAT09KATAL, YAL	61 - 82	640-1460	1460		1730	1.5	A	24	90	A	20	160	A48
UATY12KTAL, YAL UAT12KATAL, YAL	88 - 110	800-1540	1540				A	24	100				A49
UATY15KTAL, YAL UATY18KTAL, YAL UAT15KATAL, YAL UAT18KATAL, YAL	123-163	660-1350	1350			2.2	B	28	132	B	30	250	B64
UATY21KTAL, YAL	150-199	640-1340	1340			3.7	2B	28	132	2B	30	250	B79

TYPE	SHAFT D.	PITCH D.
2B	28	132

- Pitch Diameter (mm)
- Shaft Diameter (mm)
- A(B):A(B)type pulley
- No. of belts (Blank : Single belt, 2 : Double belts)

$$D1 = \frac{D2 \times N2}{N1}$$

D1 : Pitch Diameter of Motor Pulley (mm)
D2 : Pitch Diameter of Fan Pulley (mm)
N1 : Revolution speed of Fan motor (rpm)
N2 : Fan revolution speed (rpm)

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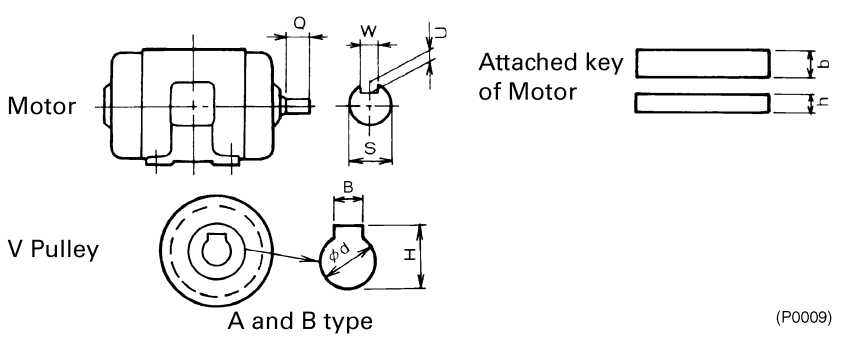
8.2 Fan Motor Specification

Power Supply		Y1 · TAL · YAL	Y1 · TAL · YAL	Y1 · TAL · YAL	Y1 · TAL · YAL	Y1
Rated Motor Output		0.75	1.5	2.2	3.7	5.5
Shaft Outer Diameter :	ϕ s (mm)	19	24	28	28	38
Shaft Length :	Q (mm)	40	50	60	60	80
Keyway Width :	W (mm)	6	8	8	8	10
Keyway Depth :	U (mm)	3.5	4	4	4	5
Insulation Class :		B	B	B	B	B
Key Width :	b (mm)	6	8	8	8	10
Key Height :	h (mm)	6	7	7	7	8
Shaft Hole Diameter :	ϕ d (mm)	19	24	28	28	38
Keyway :	B (mm)	6	8	8	8	10
Keyway Height :	H (mm)	21.5	27	31	31	41

Motor : Totally enclosed fan-cooled motor.



(P0009)

Motor Pulley have to be changed when Air Flow Rate and the External Static Pressure are different from factory setting.

8.3 How to Select Motor Pulley

1. Select the fan revolution speed by air flow rate and external static pressure.
2. Select Motor Pulley by Fan Revolution Speed.

$$D_1 = \frac{D_2 \times N_2}{N_1}$$

D_1 : Pitch Diameter of Motor Pulley (mm)
D_2 : Pitch Diameter of Fan Pulley (mm)
N_1 : Revolution Speed of Fan Motor (rpm)
N_2 : Fan Revolution Speed

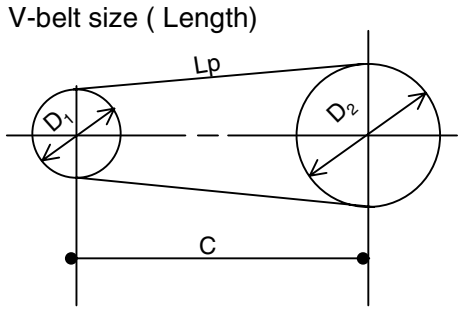
Relation between outer diameter and pitch diameter of each Pulley are as follows:

A type (Pitch Diameter) = Outer Diameter of Pulley - 9mm
B type (Pitch Diameter) = Outer Diameter of Pulley - 11mm

How to Select V-belt

When changing the Motor Pulley, the Standard V- belt may not be used.
In that case, select V-belt in accordance with the following formula:

V-belt size (Length)



Model Name	Wheel Base (C)
	Y1, TAL, YAL
UATY06K	330
UATY08/09/10/12K	405
UATY15/18K	500
UATY21K	700

$$Lp = 2C + 1.57(D_1 + D_2) + \frac{(D_1 - D_2)^2}{4C}$$

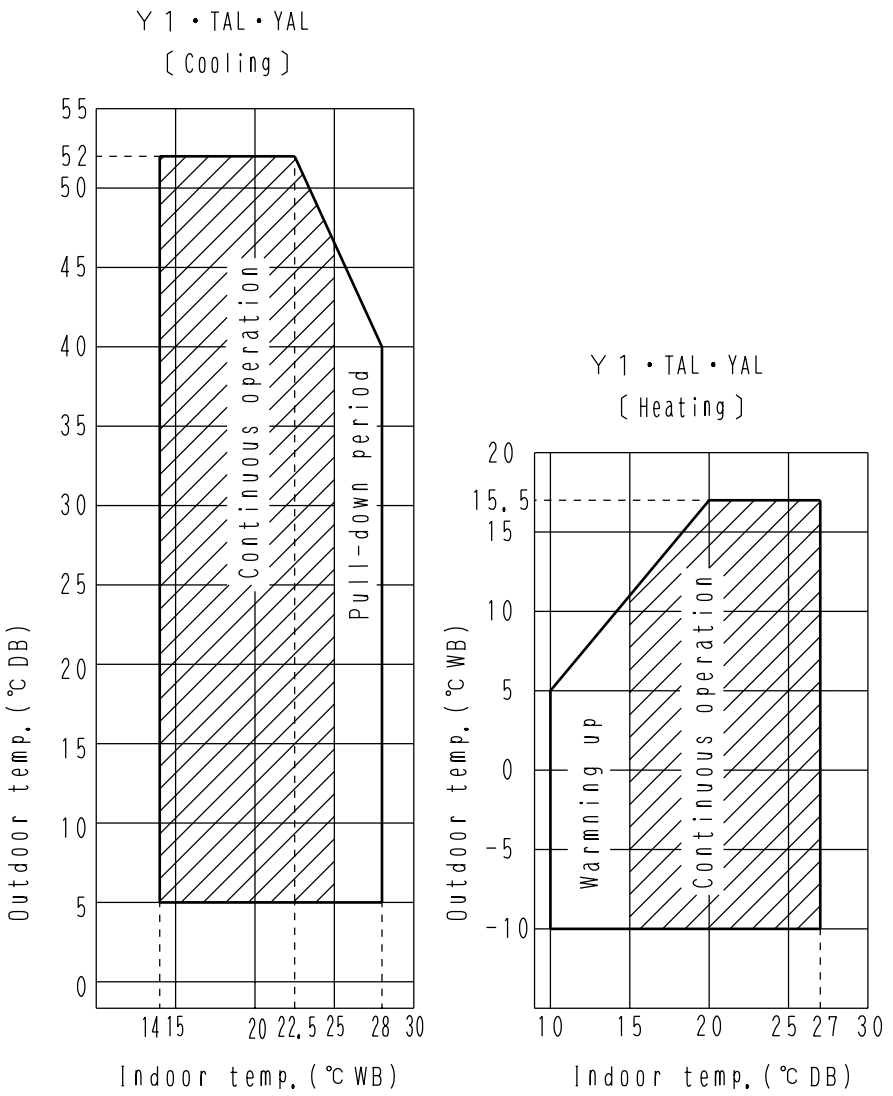
Lp : Effective Center Periphery Length (mm)
D_1 : Pitch Diameter of Motor Pulley (mm)
D_2 : Pitch Diameter of Fan Pulley (mm)
C : Wheel Base (mm)

Note: The unit of V-belt length (Nominal number) is usually shown in “inch”.

(P0022)

9. Operation Limit

9.1 Operation Limit

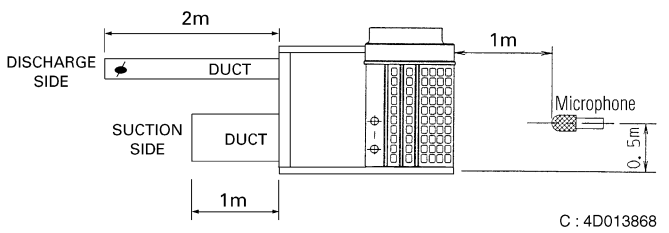
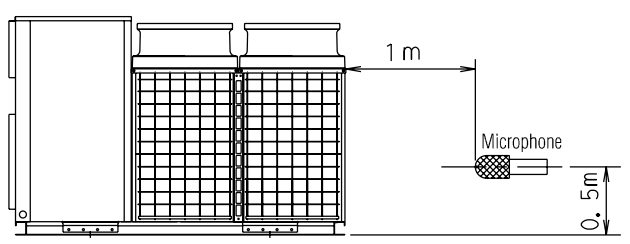


4D014922

10. Sound Level

10.1 Overall Sound Level

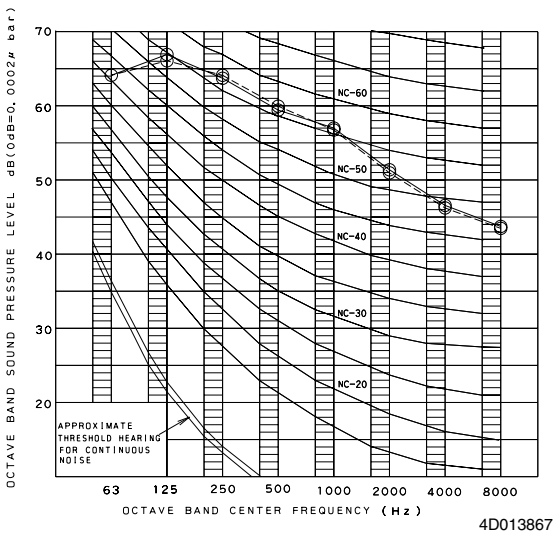
dB(A)

Model	50/60Hz	Measuring Location in Anechoic Chamber
UATY06K	62	
UATY08K	63	
UATY09K		
UATY10K	64	
UATY12K		
UATY15K	66	
UATY18K		
UATY21K	67	

Note: Operation sound differs with operation and ambient conditions.

10.2 Octave Band Level

UATY06K



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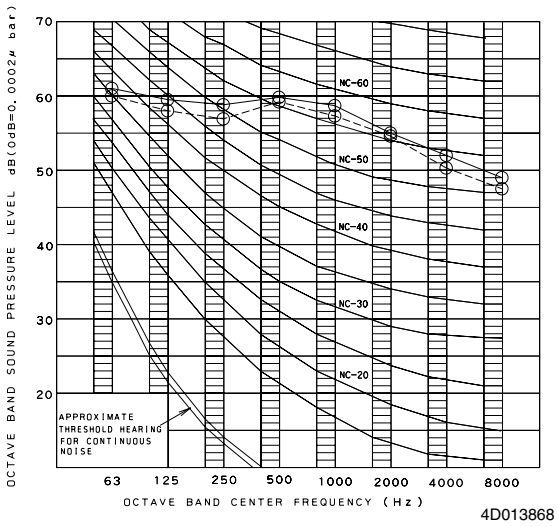
UATY08K
UATY09K



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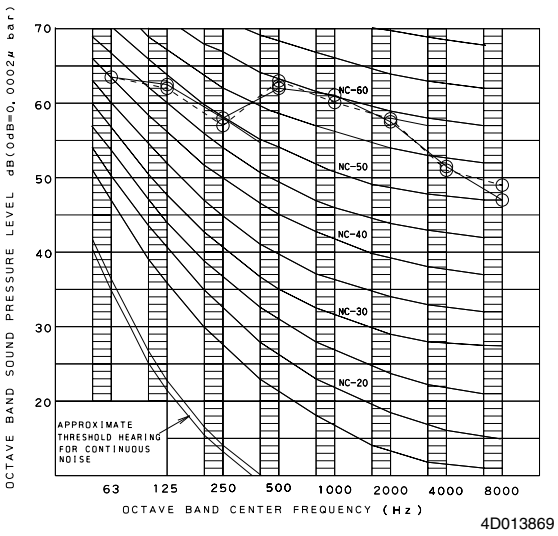
UATY10K
UATY12K



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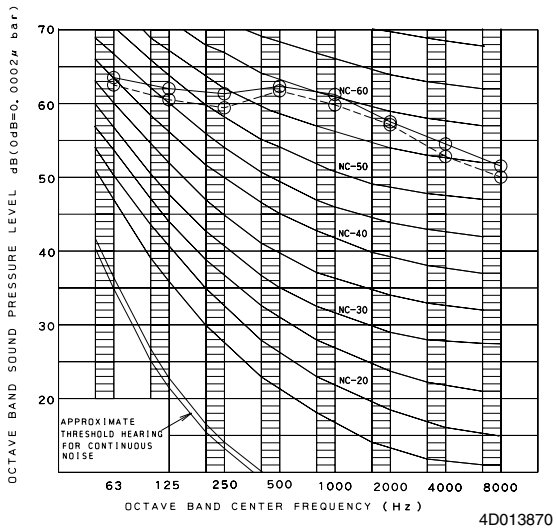
UATY15K
UATY18K



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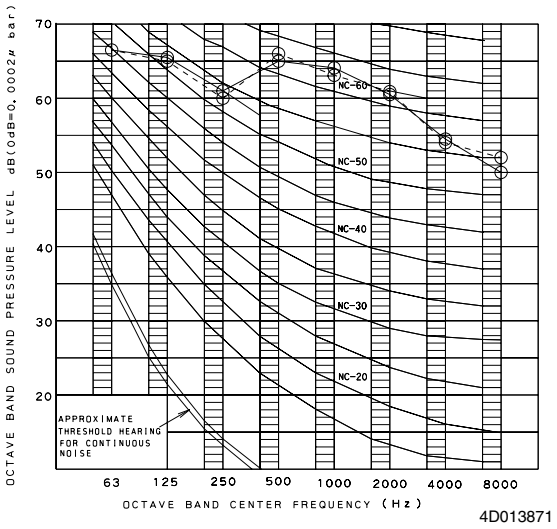
UATY21K



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○—○ : 50Hz
○----○ : 60Hz

11. Electric Characteristics

11.1 Electric Characteristics

Unit		starting method	Power supply					Compressor (Each)		OFM (Each)		EFM	
Model	Type		Hz – Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	KW	FLA	KW	FLA
UATY06K UAT06KA	Y1	Direct	50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	15.9	19.3	25	63 66 69	9.8 9.9 10.1	0.28	1.5	0.75	1.8
UATY08K UAT08KA			50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	18.9	22.1	25	88 93 97	10.0 9.7 10.3	0.19 + 0.23	1.2 + 1.3	1.5	3.6
UATY09K UAT09KA			50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	23.7	28.1	35	121 127 132	14.0 13.6 14.2	0.19 + 0.23	1.2 + 1.3	1.5	3.6
UATY10K UAT10KA			50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	27.9	34.1	40	147 155 161	16.5 15.8 17.5	0.19 + 0.23	1.2 + 1.3	1.5	3.6
UATY15K UAT15KA		Sequence direct	50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	35.7	42.0	50	88 93 97	10.0 9.7 10.3	0.19 + 0.23	1.2 + 1.3	2.2	4.9
UATY18K UAT18KA			50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	45.4	54.0	70	121 127 132	14.0 13.6 14.2	0.19 + 0.23	1.2 + 1.3	2.2	4.9
UATY21K UAT21KA			50 – 380/220 50 – 400/230 50 – 415/240	Max. 50Hz456V Min. 50Hz342V	56.8	61.0	80	147 155 161	16.5 15.8 17.5	0.19 + 0.23	1.2 + 1.3	3.7	8.0
UATY06K UAT06KA	TAL	Direct	60 – 220	Max. 60Hz242V Min. 60Hz198V	28.6	33.3	45	120	18.7	0.28	2.1	0.75	3.1
UATY08K UAT08KA			60 – 220	Max. 60Hz242V Min. 60Hz198V	32.8	37.4	50	120	18.7	0.19 + 0.23	1.6 + 1.8	1.5	6.0
UATY09K UAT09KA			60 – 220	Max. 60Hz242V Min. 60Hz198V	41.3	49.4	60	234	25.5	0.19 + 0.23	1.6 + 1.8	1.5	6.0
UATY12K UAT12KA			60 – 220	Max. 60Hz242V Min. 60Hz198V	50.8	59.9	80	300	32.7	0.23 + 0.28	1.8 + 2.1	1.5	6.0
UATY15K UAT15KA		Sequence direct	60 – 220	Max. 60Hz242V Min. 60Hz198V	62.2	72.0	90	120	18.7	0.19 + 0.23	1.6 + 1.8	2.2	8.6
UATY18K UAT18KA			60 – 220	Max. 60Hz242V Min. 60Hz198V	79.2	96.0	125	234	25.5	0.19 + 0.23	1.6 + 1.8	2.2	8.6
UATY21K UAT21KA			60 – 220	Max. 60Hz242V Min. 60Hz198V	91.4	112.8	125	264	28.4	0.19 + 0.23	1.6 + 1.8	3.7	13.6
UATY06K UAT06KA	YAL	Direct	60 – 380/220	Max. 60Hz418V Min. 60Hz342V	16.8	19.9	25	58	10.4	0.28	2.1	0.75	1.7
UATY08K UAT08KA			60 – 380/220	Max. 60Hz418V Min. 60Hz342V	19.7	23.0	30	58	10.4	0.19 + 0.23	1.6 + 1.8	1.5	3.3
UATY09K UAT09KA			60 – 380/220	Max. 60Hz418V Min. 60Hz342V	24.1	29.0	35	116	13.9	0.19 + 0.23	1.6 + 1.8	1.5	3.3
UATY12K UAT12KA			60 – 380/220	Max. 60Hz418V Min. 60Hz342V	29.5	35.5	45	144	17.8	0.23 + 0.28	1.8 + 2.1	1.5	3.3
UATY15K UAT15KA		Sequence direct	60 – 380/220	Max. 60Hz418V Min. 60Hz342V	37.4	43.8	50	58	10.4	0.19 + 0.23	1.6 + 1.8	2.2	4.6
UATY18K UAT18KA			60 – 380/220	Max. 60Hz418V Min. 60Hz342V	46.2	55.8	70	116	13.9	0.19 + 0.23	1.6 + 1.8	2.2	4.6
UATY21K UAT21KA			60 – 380/220	Max. 60Hz418V Min. 60Hz342V	56.6	62.8	80	124	16.9	0.19 + 0.23	1.6 + 1.8	3.7	7.5

3D014570A-1

See next page for Symbols and Notes.

Symbols:

MCA : Min. Circuit Amps
TOCA: Total Over-current Amps
MFA : Max. Fuse Amps (See note 7)
LRA : Locked Rotor Amps
RLA : Rated Load Amps
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
KW : Fan Motor Rated Output

Notes:

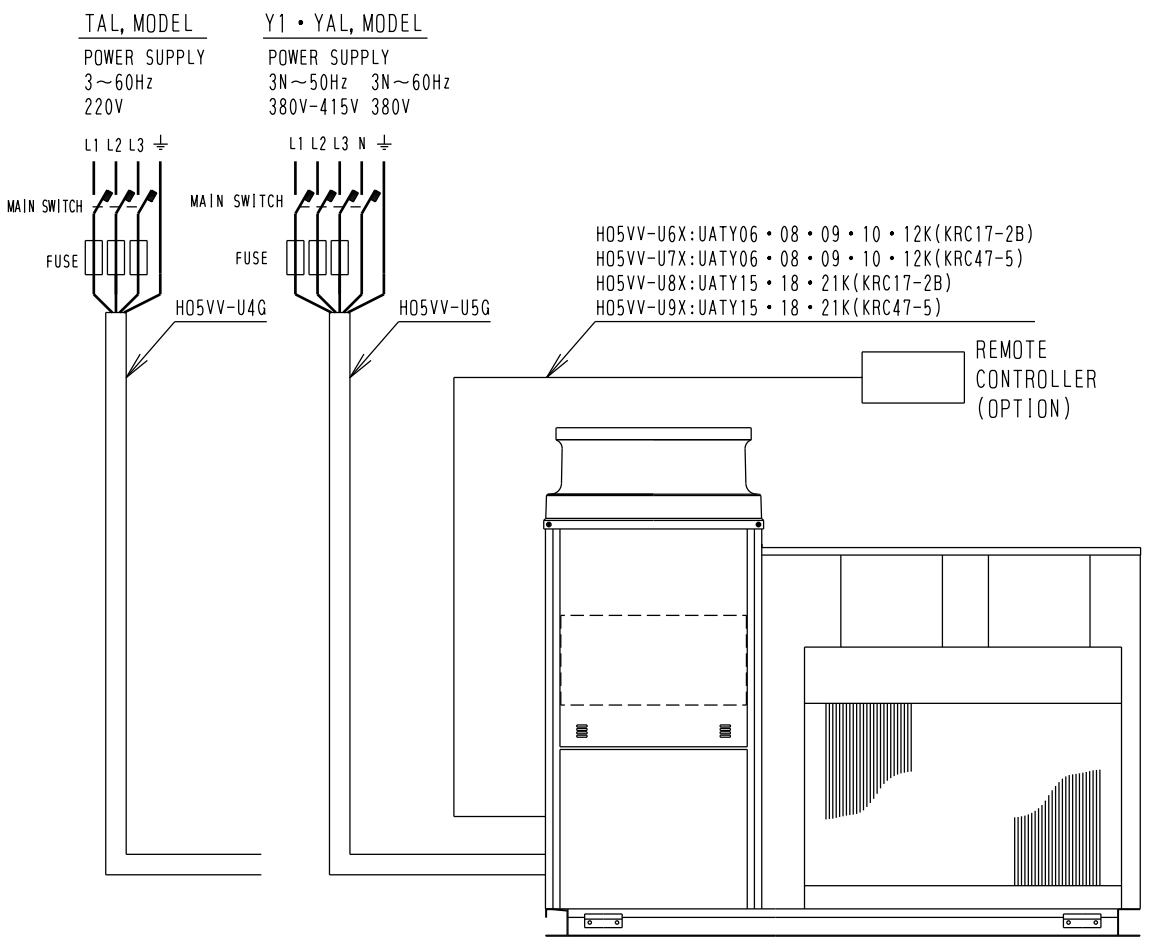
1. RLA is based on the following conditions.
   Mode:Cooling
   Indoor temp. 27℃DB / 19.5℃WB
   Outdoor temp. 35℃DB
2. TOCA means the total value of each OC set.
3. Voltage range
   The uints are usable where the power supply voltage is within above range.
4. Maximum allowable voltage unbalance between phases is 2%.
5. MCA/MFA
   MCA = 1.25 X RLA + ea. FLA
   MFA ≦ 2.25 X RLA + ea. FLA
   (Next lower standard fuse rating. Min. 15A)
6. Select wire size based on the larger value of MCA or TOCA.
7. Instead of fuse, use Circuit Breaker.

3D014570A-2

12. Field Wiring

12.1 Field Wiring

Notes 1) ——— Line voltage wiring
——— Control circuit wiring
2) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
3) Use copper conductor only.
4) As for details, see wiring diagrams.
5) Install fuse and mainswitch for safety.
6) All field wiring and components must be provided by a licensed electrician.
7) Unit shall be grounded in compliance with the applicable local and national codes.
8) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
9) The outdoor units for 3 phase, are equipped with a reverse phase protector to protect the compressor.
If the compressor does not operate during the test run, exchange two phase connections out of three.
10) Never share a common power source with other equipment.

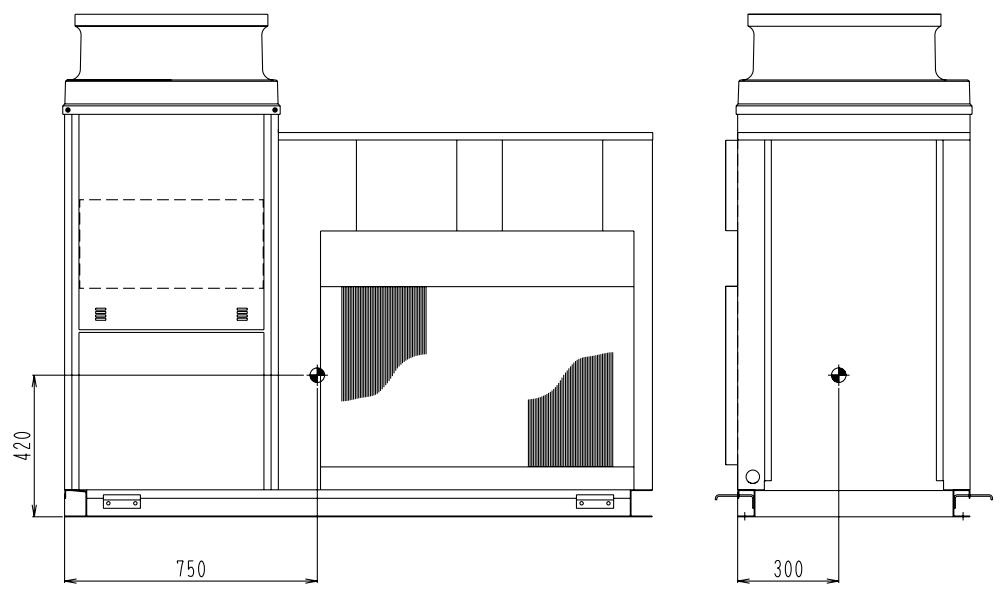


C : 4D014928

13. Center of Gravity

13.1 Center of Gravity

UATY06K



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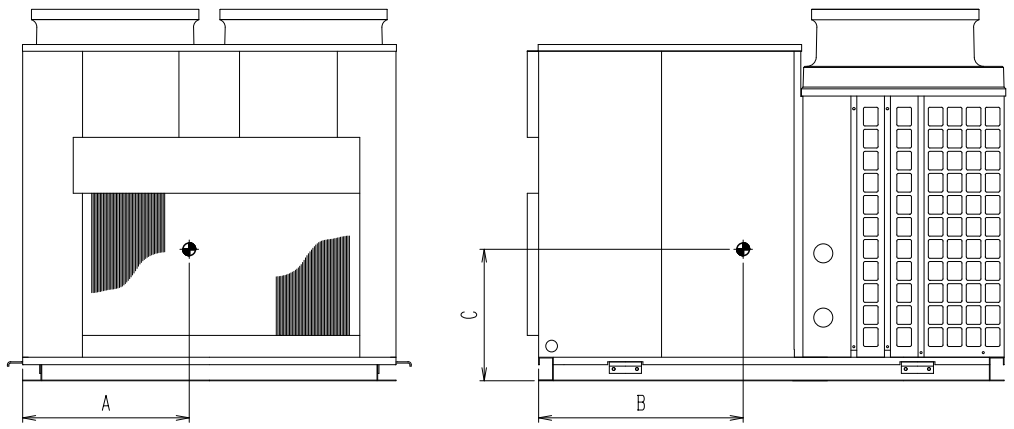
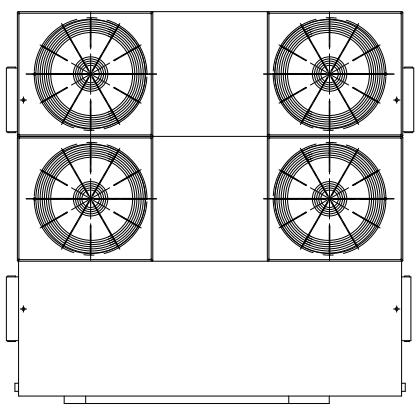
UATY08K
UATY09K
UATY10K
UATY12K



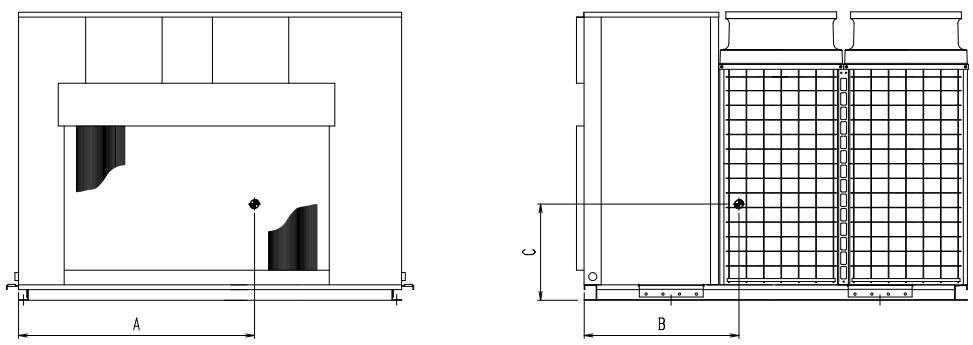
MODEL	A	B	C
UAT08K, UAT08 • 09KA(Y1 • TAL • YAL)	570	700	450
UAT10K, UAT10 • 12KA(Y1 • TAL • YAL)			580
UATY08 • 09K(Y1 • TAL • YAL)	645	895	450
UATY10 • 12K(Y1 • TAL • YAL)			580

4D013705B

UATY15K
UATY18K
UATY21K



MODEL	A	B	C
UAT15K, UAT15KA(Y1 • TAL • YAL)	1120	880	420
UAT18KA(Y1 • TAL • YAL)	1080	850	420
UAT20K, UAT21KA(Y1 • TAL • YAL)	1220	800	480
UATY15K(Y1 • TAL • YAL)	1170	890	420
UATY18K(Y1 • TAL • YAL)	1080	860	420
UATY21K(Y1 • TAL • YAL)	1170	780	480



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14. Installation

14.1 Installation Manual

SAFETY CONSIDERATIONS	Please read these "SAFETY CONSIDERATIONS" carefully before installing air conditioning equipment and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the start-up operation. Please instruct the customer on how to operate the unit and keep it maintained.

Meaning of warning and caution symbols

⚠ **WARNING** ..... Failure to observe a warning may result in death.

⚠ **CAUTION** ..... Failure to observe a caution may result in injury or damage to the equipment.

⚠ WARNING

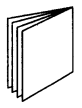
- Ask your dealer or qualified personnel to carry out installation work. Do not try to install the machine yourself.
  Improper installation may result in water leakage, electric shocks or fire.
- Perform installation work in accordance with this installation manual.
  Improper installation may result in water leakage, electric shocks or fire.
- Be sure to use only the specified accessories and parts for installation work.
  Failure to use the specified parts may result in water leakage, electric shocks, fire or the unit falling.
- Install the air conditioner on a foundation strong enough to withstand the weight of the unit.
  A foundation of insufficient strength may result in the equipment falling and causing injuries.
- Carry out the specified installation work after taking into account strong winds, typhoons or earthquakes.
  Improper installation work may result in the equipment falling and causing accidents.
- Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual.
  An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.
- Make sure that all wiring is secured, the specified wires are used, and no external forces act on the terminal connections or wires.
  Improper connections or installation may result in fire.
- When wiring the power supply and connecting the wiring between the units and remote controller, position the wires so that the switch box cover can be securely fastened.
  Improper positioning of the switch box cover may result in electric shocks, fire or the terminals overheating.
- If the refrigerant gas leaks during installation, ventilate the area immediately.
  Toxic gas may be produced if the refrigerant gas comes into contact with fire.
- After completing the installation work, check that the refrigerant gas does not leak.
  Toxic gas may be produced if the refrigerant gas leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker.
- Before touching electrical parts, turn off the unit.

1PN02530D-1

⚠ CAUTION

- Ground the air conditioner.
  Do not connect the ground wire to gas or water pipes, a lightning conductor or a telephone ground wire.
  Incomplete grounding may result in electric shocks.
  - Gas pipe — Ignition or an explosion may occur if the gas leaks.
  - Water pipe — Hard vinyl tubes are not effective grounds.
  - Lighting conductor or telephone ground wire —
    Electric potential may rise abnormally if struck by a lightning bolt.
- Be sure to install an earth leakage breaker.
  Failure to install an earth leakage breaker may result in electric shocks.
- While following the instructions in this installation manual, install drain piping in order to ensure proper drainage and insulate piping in order to prevent condensation.
  Improper drain piping may result in water leakage and property damage.
- Install the units, power cord and connecting wires at least 1 meter away from televisions or radios in order to prevent image interference or noise.
  (Depending on the radio waves, a distance of 1 meter may not be sufficient enough to eliminate noise.)
- Do not install the air conditioner in the following locations:
  (a) where a mineral oil mist or an oil spray or vapor is produced, for example in a kitchen
  Plastic parts may deteriorate and fall off or result in water leakage.
  (b) where corrosive gas, such as sulfurous acid gas, is produced
  Corroding copper pipes or soldered parts may result in refrigerant leakage.
  (c) near machinery emitting electromagnetic waves
  Electromagnetic waves may disturb the operation of the control system and result in a malfunction of the equipment.
  (d) where flammable gases may leak, where there are carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled
  Operating the unit in such conditions may result in fire.

ACCESSORIES Check if the following are included with this unit.

Name	Installation manual	Screw (M5)	Clamp
Quantity	1 pc.	4 pcs.	4 pcs.
Shape			

OPTIONS

The following optional remote controller is available for this unit.

Remote controller	KRC17-2B
	KRC47-3 *
	KRC47-5

NOTE)
- A commercially available remote controller can be used if its specifications are compatible with those shown in the wiring diagram and technical materials.
- For UATY_Y1 (in compliance with CE), use KRC17-2B only.

* • KRC47-3 is used only for UAT model.

TAKE SPECIAL CARE DURING INSTALLATION AND CHECK THE FOLLOWING ITEMS AFTER INSTALLATION IS FINISHED.

Items to be checked	Result of improper installation	Checked
Is the unit securely installed?	The unit may drop, vibrate or make noise.	
Is the unit properly insulated?	Condensate may drip.	
Is the drain flow smooth?	Condensate may drip.	
Does the power supply voltage correspond to that shown on the name plate?	The unit may malfunction or components may burn out.	
Is the wiring correct?	The unit may malfunction or components may burn out.	
Is the unit safely grounded?	Dangerous electric leakage may result.	
Are the wire sizes according to specifications?	The unit may malfunction or components may burn out.	
Are the air outlets and inlets of the units free of blockage?	Insufficient cooling may result.	

1PN02530D-2

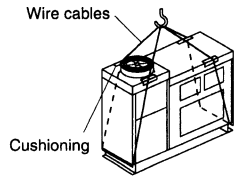
1 TRANSPORTING TO INSTALLATION SITE

<Do not throw away any of the parts or contents packaged with this unit until installation is completed.>

BEFORE INSTALLATION

- Decide upon a line of transport.
- Leave the unit inside its packaging while transporting, until reaching the installation site.
  When unpacking is unavoidable, lift the unit using a sling of soft material or protective plates tied together with wire cables to avoid damaging or scratching the unit.
- Inspection
  On receiving the unit, thoroughly check its condition. The unit left the factory in perfect condition, so any damage should be reported without delay.

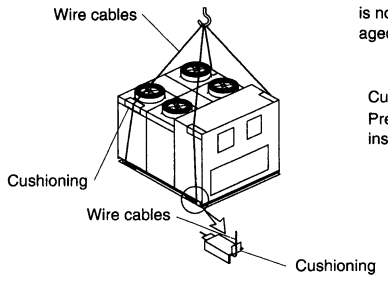
UAT06K(A)
UATY06K



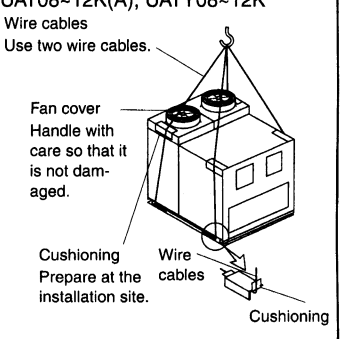
INSTALLING

- Use care not to handle the rear fins or to allow other objects to come in contact with them.
- Insert cloth or other soft material between the case of the unit and wire cables to prevent scratches or other damage.
- Use protectors to prevent the slings or cables from causing damage.
- For safe and accurate installation, the units are designed to be suspended from a hanger as shown in the illustrations. In addition, this channel base makes it possible to equalize weight of the unit on to the surface of the foundation. Then, fix the unit firmly with anchor bolts.

UAT15~21K(A), UATY15~21K



UAT08~12K(A), UATY08~12K



2 SELECTION OF INSTALLATION SITE

- Be certain that sufficient space is left all around the air conditioner as shown in the figure below. If there are any obstacles near the air conditioner, the cooling capacity is reduced and after-sales servicing becomes difficult.
- Be certain that the air conditioner has been installed on a flat surface that is strong enough to support the weight of the air conditioner. If the location is not suitable, excessive noise and vibration may occur.
- Be certain that the air conditioner has been installed at a location where there is no danger of fire due to leakage of inflammable gas.
- Although the unit is waterproof, be sure that there is no water runoff from higher levels or overhangs.
- The unit can be set directly on the base. If necessary, use a rubber antivibration cushion (commercially available).
- Do not install the unit indoors. Do not position air inlets near exhaust vents or other sources of contaminated air.

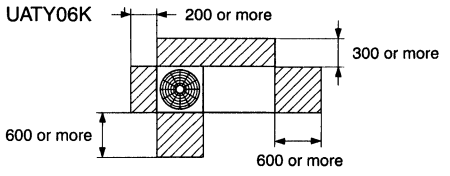
3 INSTALLATION SPACE

SERVICE SPACE

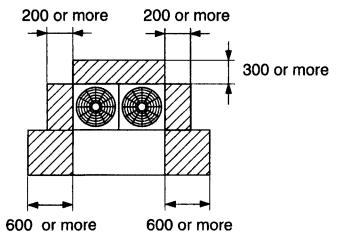
- Service spacing should be provided as shown in the figure. If there are any obstacles around the unit, air cannot circulate causing the unit to stop frequently, and inspections and after-sales servicing becomes difficult.

(Unit : mm)

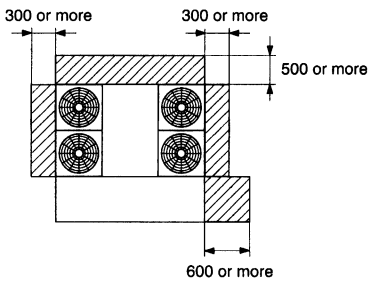
UAT06K(A)
UATY06K



UAT08~12K(A), UATY08~12K



UAT15~21K(A), UATY15~21K



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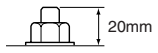
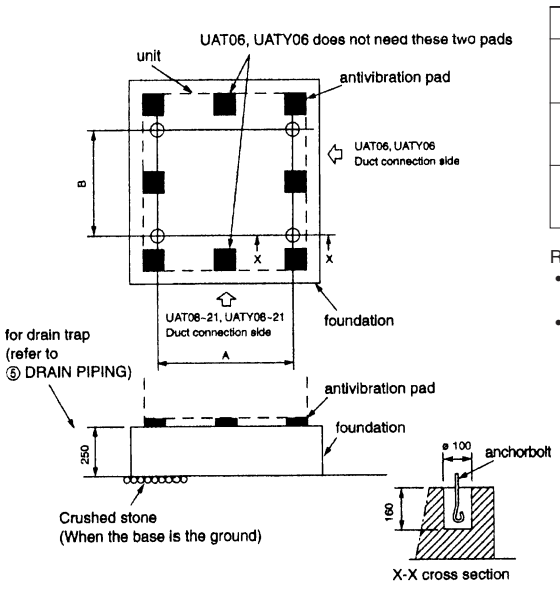
4 INSTALLATION

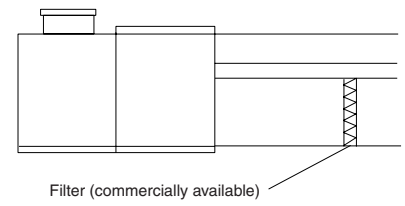
(1) • Before starting the installation, confirm that the foundation is strong enough so that the unit will not make noise or vibrations.
• Secure the unit to the foundation with foundation bolts.
(Prepare 4 sets of M12 foundation bolts with the proper nuts and washers.)
• The foundation bolts should extend 20 mm from the surface of the base. (See right Fig.)
• Place more than three antivibration pads under a unit per one side.





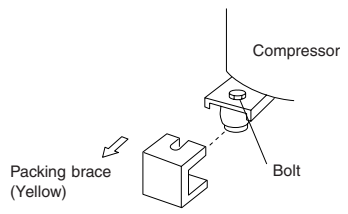
Model	A	B
UAT06K(A) UATY06K	650	1460
UAT08~12K(A) UATY08~12K	1230	1200
UAT15~21K(A) UATY15~21K	1930	1080

Return air filter
• Filters must be installed in duct work in the field. Do not operate the unit without a return air filter installed.
• The air filter must be installed so that there is enough space for maintenance.



⚠ CAUTION

(2) • Remove the yellow packing brace from the compressor as shown in the figure at the right.
• Retighten the installation bolts for the compressor.
• Two packing braces are attached to the front of each compressor.



⚠ CAUTION

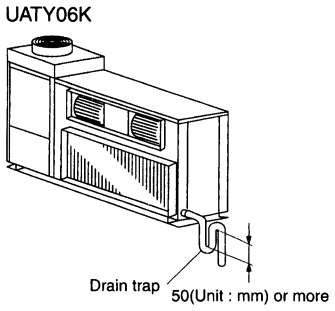
• Carry out the specified installation work after taking into account strong winds, typhoons or earthquakes. Improper installation work may result in the equipment falling and causing an accident.
• Make sure that the drainage of the unit will not inconvenience neighbors or harm the environment. Construct a drainage ditch if necessary.
• If the unit is to be installed on a rooftop, make certain that it will be capable of withstanding the weight of the unit and that measures have been taken to ensure watertightness.

1PN02530D-4

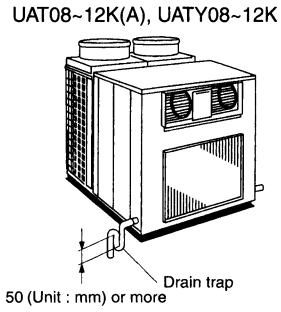
5 DRAIN PIPING

- Provide a trap of over 50 mm in the drain piping as a water seal.
- A drain plug is installed on the left side of the unit.
  Depending on your installation setup, install the plug on the opposite side of the drain piping (except on the UAT(Y)06K).
- After finishing the drain piping, use insulation material to wrap the drain socket that is located on the opposite side of the drain piping.

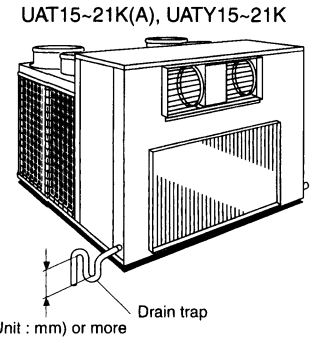
UAT06K(A)
UATY06K

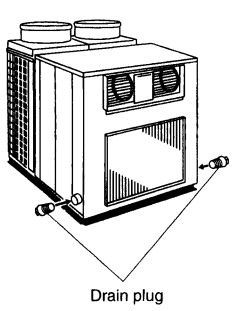


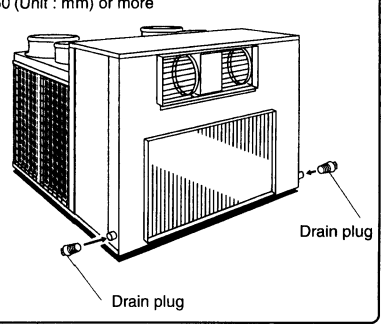
UAT08~12K(A), UATY08~12K



UAT15~21K(A), UATY15~21K

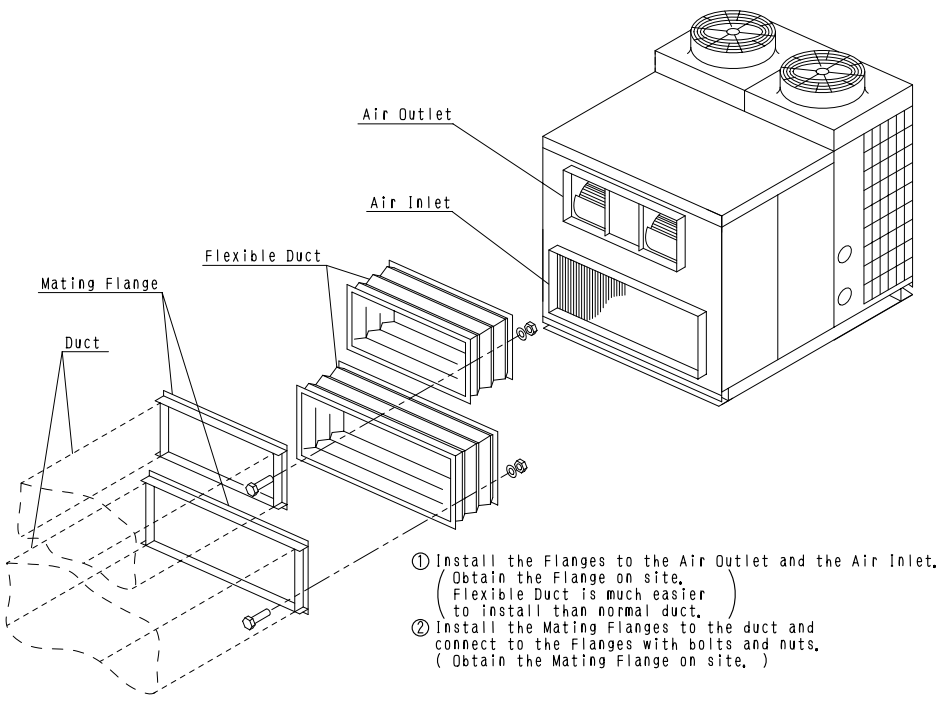






1PN02530D-5

UAT(Y)~K TYPE



3VA08895

6 ELECTRICAL WIRING

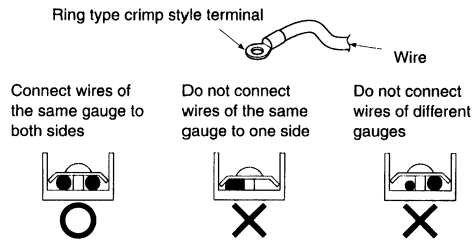
⚠ CAUTION

- **All wiring components and materials that are purchased commercially must comply with the applicable local and national codes.**
- **Use copper conductors only.**
- **For details, see the wiring diagram.**
- **Install circuit breakers for safety.**
- **All field wiring and components must be provided by a licensed electrician.**
- **The unit must be grounded in compliance with applicable local and national codes.**
- **Use a ground wire of 100Ω or less**
- **Electrical wiring must be carried out by qualified personnel.**
- **Do not connect the earth wire to gas pipes, water pipes, lighting conductors or telephone earth wires.**
  - Gas pipe — Ignition or an explosion may occur if the gas leaks.
  - Water pipe — Hard vinyl tubes are not effective grounds.
  - Lighting conductor or telephone ground wire — Electric potential may rise abnormally if struck by a lightning bolt.

⚠ WARNING

Use ring type crimp style terminal for connection to power supply terminal block.
If is not used, satisfy the following conditions:

- Do not connect wires of different gauge to the same power supply terminal.
  (Looseness in the connection may cause overheating.)
- When connecting wires of the same gauge, connect them according to the righthand figure.



Electrical connections

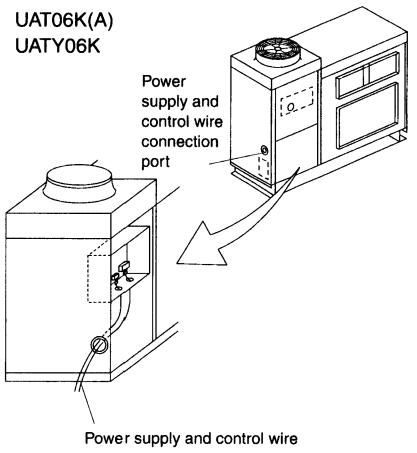
- After the unit has been positioned, the necessary electrical connections must be made between the unit and the power supply.
- A quick visual inspection must be made to check that the circuits have not been damaged while transporting.
  1) Check that all wires are securely screwed into their terminals.
  2) Check that the voltage and frequency of the power supply corresponds to that specified on the unit itself.

Field power supply

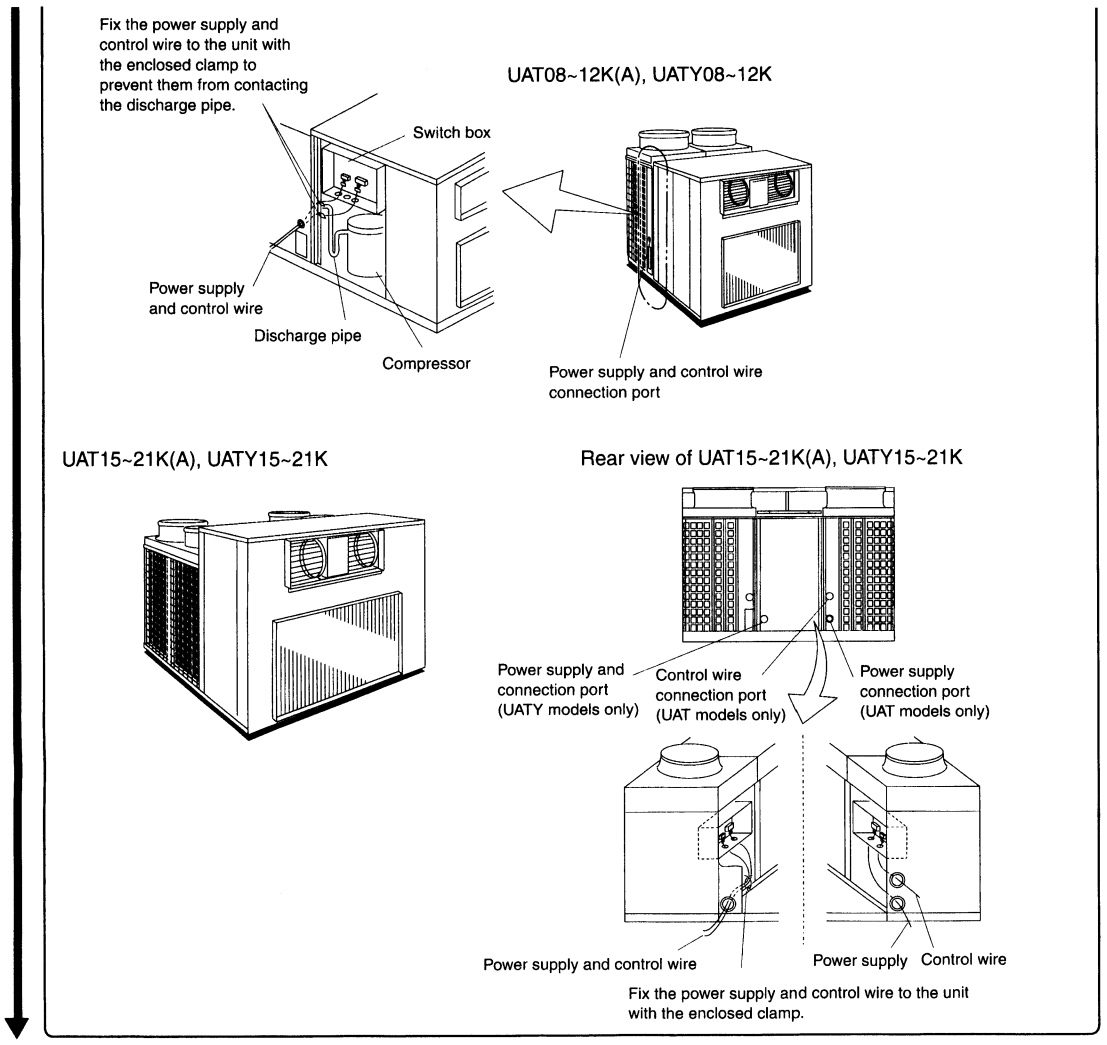
- When installing the unit, install a disconnect switch in accordance with the national and local electrical codes.
- All field wiring must comply with national and local electrical requirements.

Field control wiring

- Use a DAIKIN optional accessory thermostat.
- Install the thermostat on a solid wall within the air-conditioned area so that it can detect the average room temperature.
- Use a 0.75 mm² wire when connecting the remote controller to the unit.



1PN02530D-6


Fix the power supply and control wire to the unit with the enclosed clamp to prevent them from contacting the discharge pipe.
UAT08~12K(A), UATY08~12K
Switch box
Power supply and control wire
Discharge pipe
Compressor
Power supply and control wire connection port
UAT15~21K(A), UATY15~21K
Rear view of UAT15~21K(A), UATY15~21K
Power supply and connection port (UATY models only)
Control wire connection port (UAT models only)
Power supply connection port (UAT models only)
Power supply and control wire
Power supply
Control wire
Fix the power supply and control wire to the unit with the enclosed clamp.

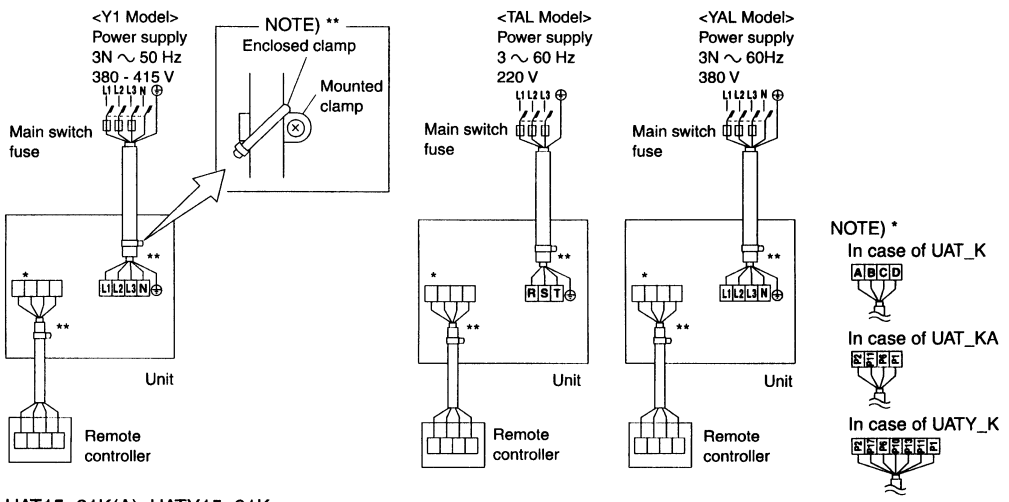
1PN02530D-7

Model			Power Supply			Wiring Between Unit and the Remote Controller	
Straight Cooling Type		Heat Pump Type	Field Fuse	Wire Type	Size	Wire Type	Size
UAT06KY1	UAT06KAY1	UATY06KY1	25	H05VV-U5G	All electrical wiring components which are purchased commercially must meet or exceed the applicable standards for the country or region in which the unit is being installed.	UL1015 AWG18 or equivalent	0.75 mm²
	UAT08KAY1	UATY08KY1					
UAT08KY1	UAT09KAY1	UATY09KY1	35				
—	UAT10KAY1	UATY10KY1	40				
UAT10KY1	—	—	45				
—	UAT15KAY1	UATY15KY1	50				
UAT15KY1	—	—	60				
—	UAT18KAY1	UATY18KY1	70				
UAT20KY1	UAT21KAY1	UATY21KY1	80				
UAT06KTAL	UAT06KATAL	UATY06KTAL	45	H05VV-U4G			
—	UAT08KATAL	UATY08KTAL	50				
UAT08KTAL	UAT09KATAL	UATY09KTAL	60				
UAT10KTAL	—	—	70				
—	UAT12KATAL	UATY12KTAL	80				
—	UAT15KATAL	UATY15KTAL	90				
UAT15KTAL	—	—	110				
UAT20KTAL	UAT18KATAL	UATY18KTAL	125				
	UAT21KATAL	UATY21KTAL					
UAT06KYAL	UAT06KAYAL	UATY06KYAL	25	H05VV-U5G			
—	UAT08KAYAL	UATY08KYAL	30				
UAT08KYAL	UAT09KAYAL	UATY09KYAL	35				
UAT10KYAL	—	—	40				
—	UAT12KAYAL	UATY12KYAL	45				
—	UAT15KAYAL	UATY15KYAL	50				
UAT15KYAL	—	—	60				
—	UAT18KAYAL	UATY18KYAL	70				
UAT20KYAL	UAT21KAYAL	UATY21KYAL	80				

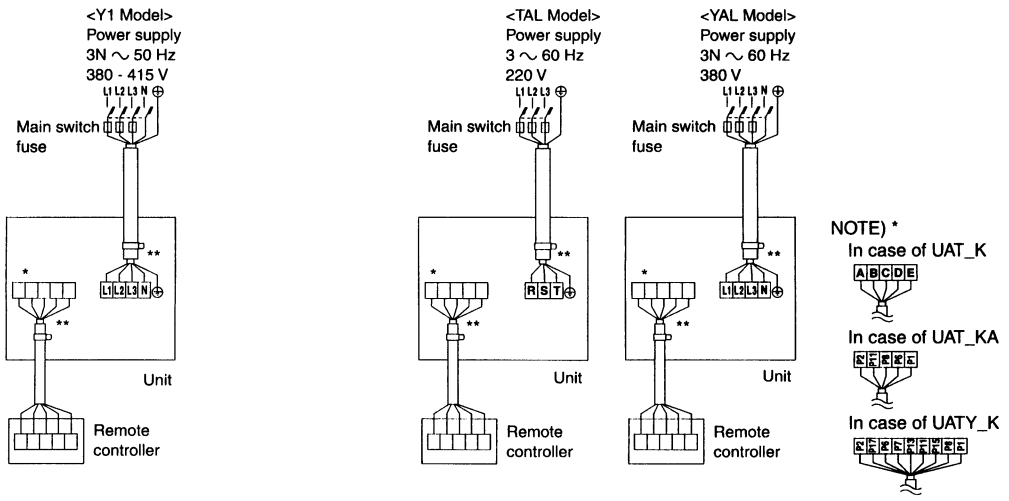
- Use the enclosed clamps to attach the wiring to the mounted clamps shown in the following illustrations.

1PN02530D-8

UAT06~12K(A), UATY06~12K

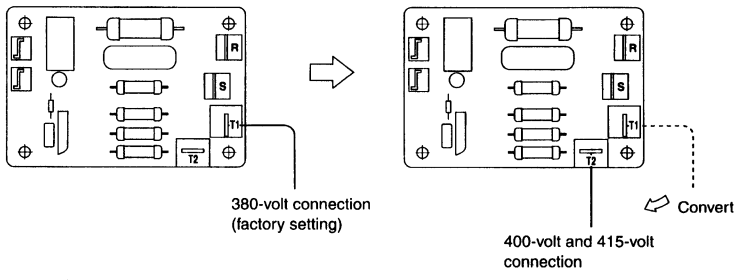


UAT15~21K(A), UATY15~21K



⚠ CAUTION (Y1 Model Only)

- **Make sure that the phase reversal protector's terminal connection is converted when switching to a 400-volt or 415-volt connection.**



- **Failing to convert to the proper voltage will cause serious damage to the unit.**

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7 OPERATION TEST

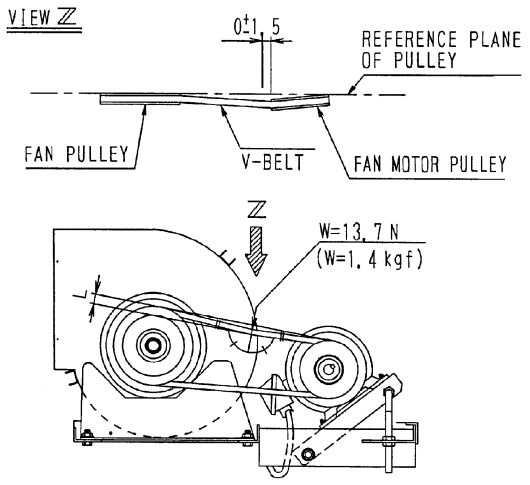
- Make sure that all installation procedures have been completed according to the unit's specifications and the remote controller's installation manuals.
- Connect the power at least 6 hours before starting. (UATY models only)
- Select the lowest temperature setting on the remote controller. (For the cooling function)
- Turn on the remote controller to check the air flow and cooling functions.
- After completing the operation test, set the remote controller to the desired temperature.
- Give the installation and operation manual of the remote controller to the customer and explain how to operate the unit.

NOTE) The three-minute timer delays the restart operation.

1PN02530D-10

14.2 How to Install Pulley

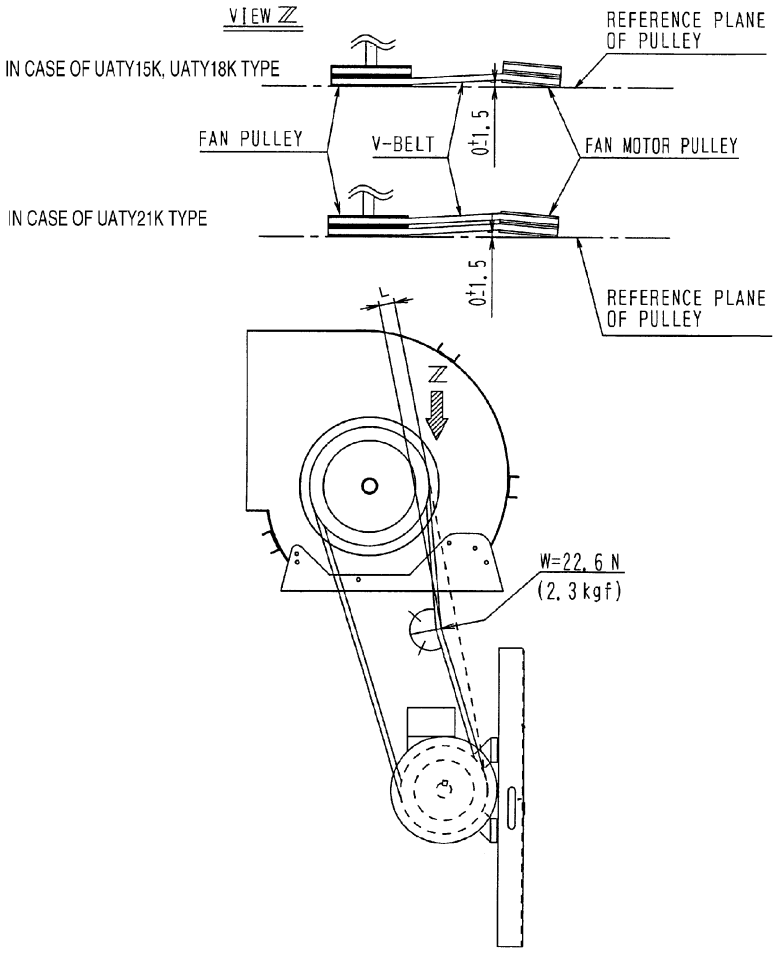
UATY06K
UATY08K
UATY09K
UATY10K
UATY12K



(P0013)

UATY06K	L = 5mm
UATY08K	L = 6mm
UATY09K	
UATY10K	
UATY12K	

UATY15K
UATY18K
UATY21K



(P0014)

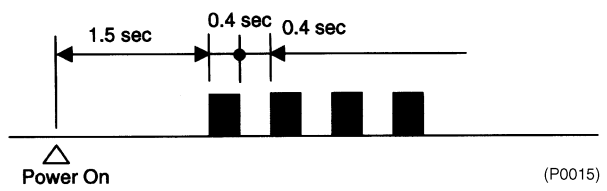
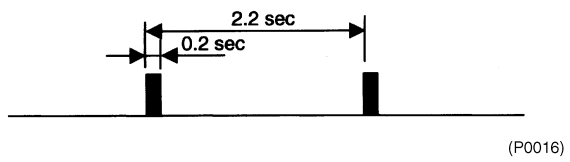
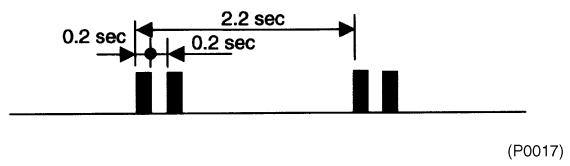
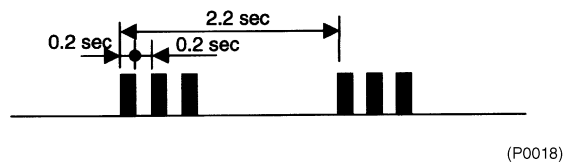
UATY15K	L = 4mm
UATY18K	
UATY21K	L = 8mm

14.3 Cautions

14.3.1 LED Indication Due to Defrost Malfunction

When the Deicer PC board malfunctions, the outdoor fan control cannot be controlled under the condition of defrost, low ambient temperature cooing and high ambient temperature heating.
The malfunction can be identified only by blinking of LED on the deicer PC board.

LED indication

Normal Operation	(1) Normal Operation	
Abnormal Operation	(2) Due to Malfunction of Th1	
	(3) Due to Malfunction of Th2	
	(4) Due to Malfunction of Th1 & 2	
	(5) Due to Unit Itself	LED Indication Other than (1) to (4)

14.3.2 How to Connect the Pressure Gauge

For the models larger than UATY08K, use the pressure gauge with refrigerant hose which length is longer than 3m.

14.3.3 Auto Restart Operation

If the main power supply is turned off during operation, operation will restart automatically after power turns back again.

15. Optional Accessories

15.1 Option List

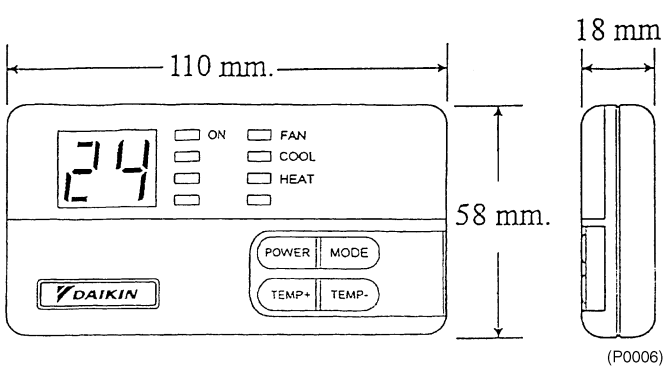
Option		Remark	Kit Name	UATY06-12K	UATY15-21K
Remote Controller	Mechanical Type	—	KRC17-2B (Note 1)	O	O (Note 2)
	Digital Type	With 3 Minutes Timer	KRC47-5	O	O (Note 2)
3 Minutes Timer			KTA19A1	O	O
Central Control Adaptor Kit			DTA107A55	O	O

C : 3D014927A

Note: 1. 3 Minutes Timer (KTA19A1) is necessary for the recycling guard of compressor.
2. Capacity Steps is available for 100-50-0% operation.

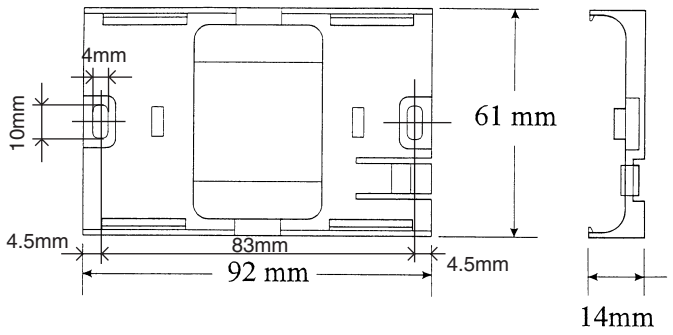
15.2 Digital Remote Controller (KRC47-5)

1. Digital Remote Controller

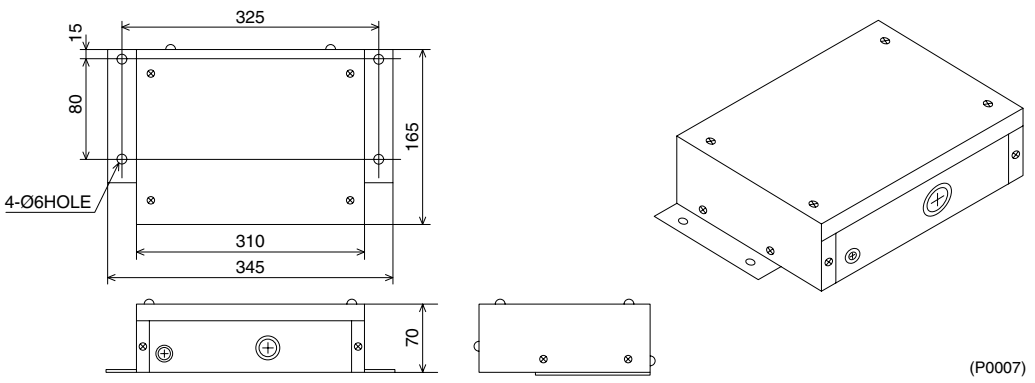


(P0006)

2. Holder



3. Control Board (Box)



(P0007)

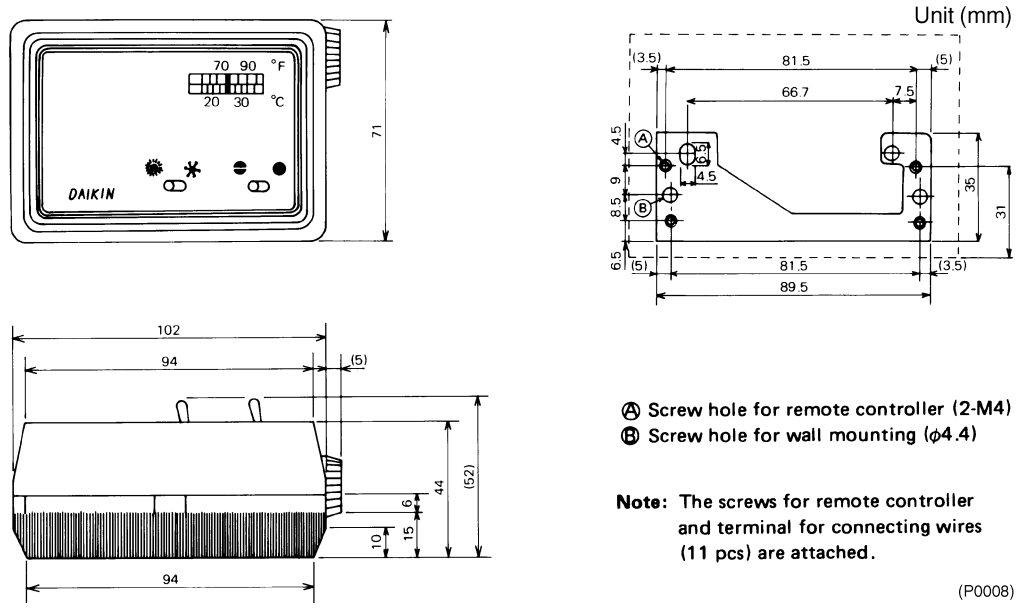
4. Wire Cable

Cable length : 4m (8m or 15m will be available on request.)
Connecting cable between **1. Digital Remote Controller** and **3. Control Board (Box)**.

15.3 Remote Controller (KRC17-2B)

Remote Controller (Mechanical Type) : CE Marking Applied Model

Unit (mm)



Ⓐ Screw hole for remote controller (2-M4)
Ⓑ Screw hole for wall mounting (ϕ4.4)

Note: The screws for remote controller and terminal for connecting wires (11 pcs) are attached.

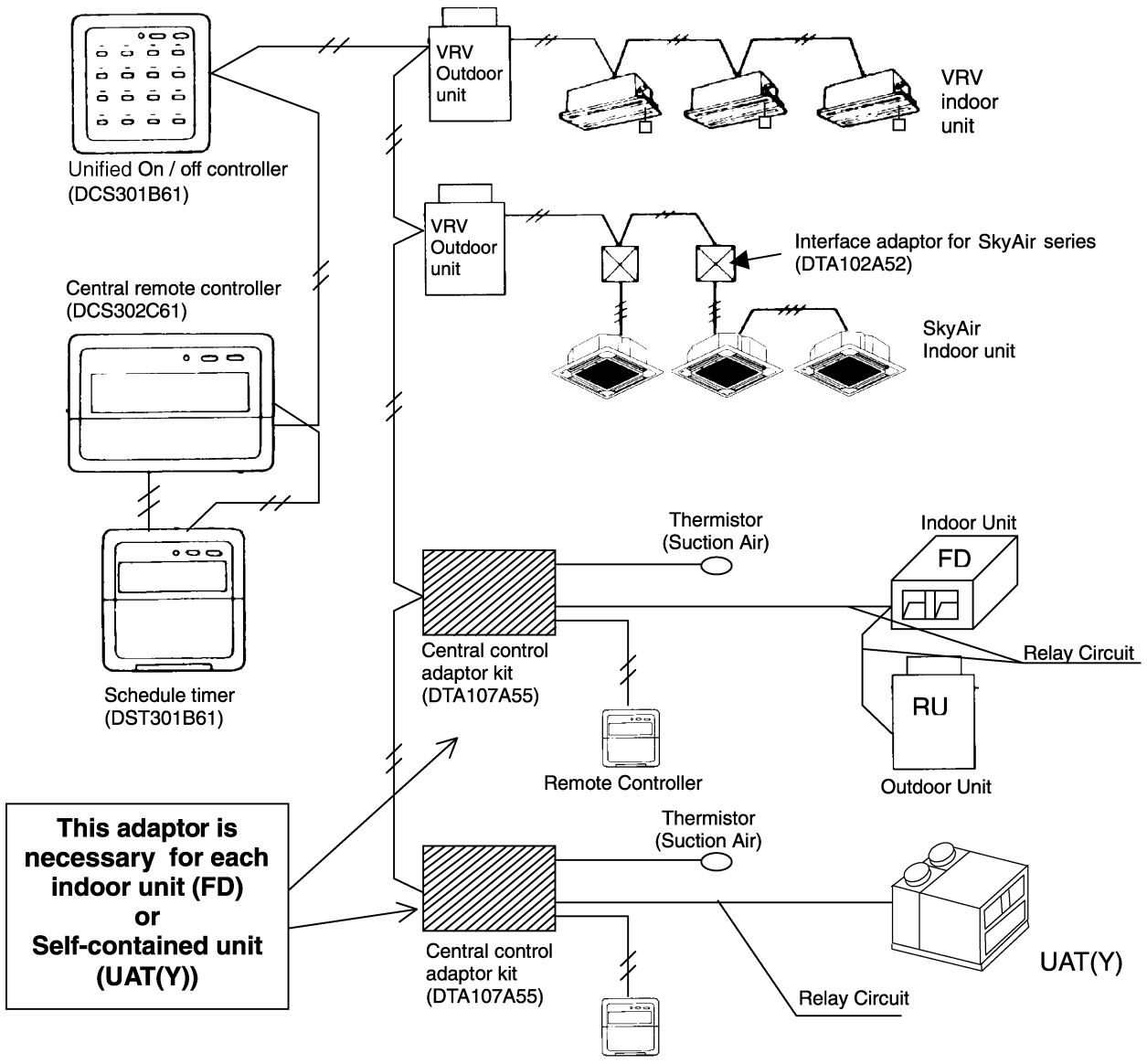
(P0008)

15.4 Details of DTA107A55 (Central Control Adaptor Kit)

15.4.1 Features

By adopting this optional kit, you can control FD and UAT(Y) by VRV controller.

[Example of Combination A] Refer to **15.4.2** and **15.4.3** .



15.4.2 Combination of Remote Controllers with DTA107A55

The following 7 combinations can be selectable.

Model	Name	A	B	C	D	E	F	G
DTA107A55	Central Control Adaptor Kit	○	○	○	○	○	○	○
BRC1A62	Remote Controller	○	▲	▲	○	○	▲	○
DCS302C61	Central Remote Controller	○	○	○	—	—	○	—
DST301B61	Schedule Timer	○	○	—	○	—	—	—
DCS301B61	Unified ON/OFF Controller	○	—	○	—	○	—	—

○ : Required
▲ : Required only for address setting of the unit

(P0020)

15.4.3 Functions Available by Each Combination

Functions	A	B	C	D	E	F	G
1.Operation and Monitoring ON/OFF	○	○	○	○	○	○	○
2.Setting and Monitoring of Operation Mode	○	○	○	○	○	○	○
3. Temperature Setting	○	○	○	○	○	○	○
4. Forced Shut Down	○	○	○	—	○	○	○
5. Group Control (*1)	○	○	○	○	○	○	○
6. Indication of Alarm (*4)	○	○	○	○	○	○	○
7. Setting of Timer	○	○	○	○	○	○	○
8. Setting and Cleaning Sign of Air Filter	○	○	○	○	○	○	○
9.ON/OFF Group Control (*2)	○	—	○	—	○	—	—
10. Schedule Timer	○*5	○*5	—	○*3	—	—	—

*1 : It can control up to 128 units.
*2 : It can control up to 16 groups. (Max.128 units)

Combination of controllers (Using number and Max. groups)

Model	Name	Using number	Max. groups to be controlled
DCS302C61	Central Remote Controller	1 2	64 128
DST301B61	Schedule Timer	1	128
DCS301B61	Unified ON/OFF Controller	1 8	16 128

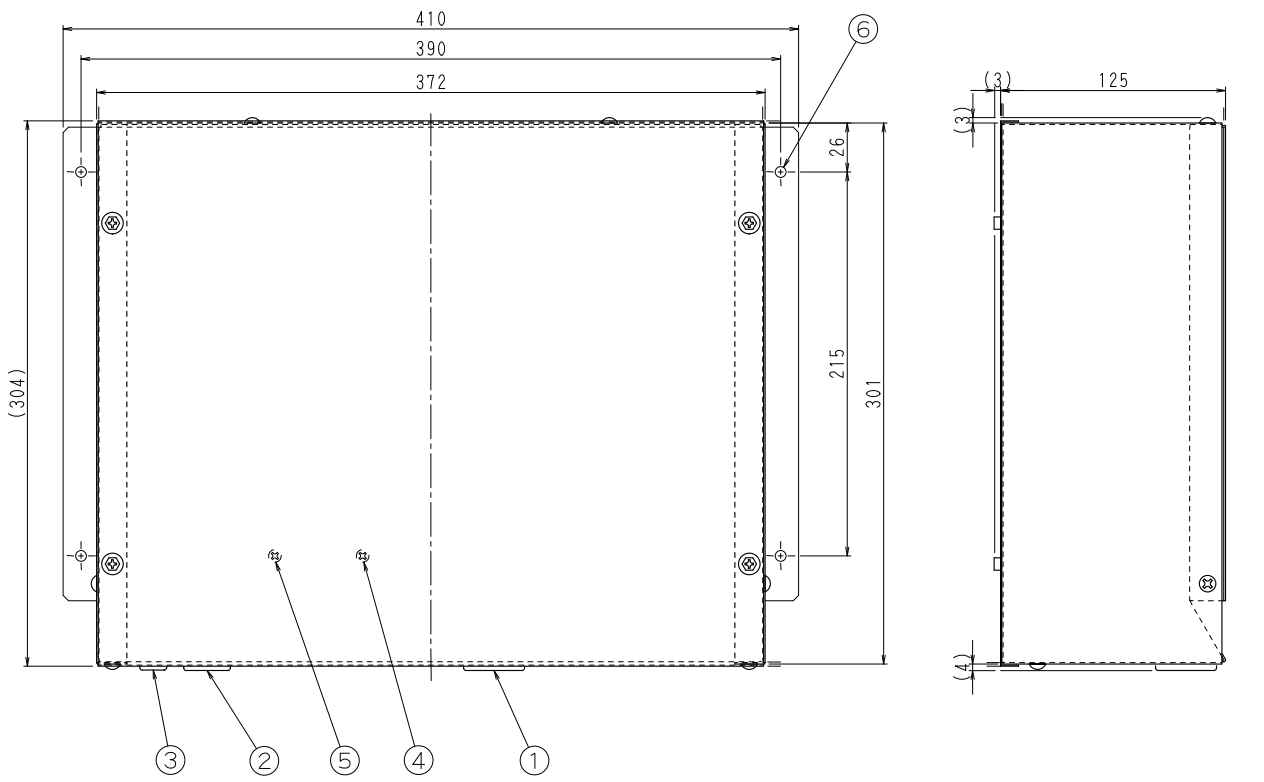
*3 : 2 Setting of ON/OFF per day is available by the Schedule Timer.
(It can set 2 × 7 = 14 times per week.)

*4 : Error code:"A0" only (Unified display of indoor unit malfunction)

*5 : Using the Schedule Timer with the Central Remote Controller makes it possible to set ON/OFF time four times a day.
(Four times of ON/OFF time can be set up per day, because two settings of ON/OFF time are possible to one Schedule Timer, and two Schedule Timers can be registered into a Central Remote Controller.)

(P0021)

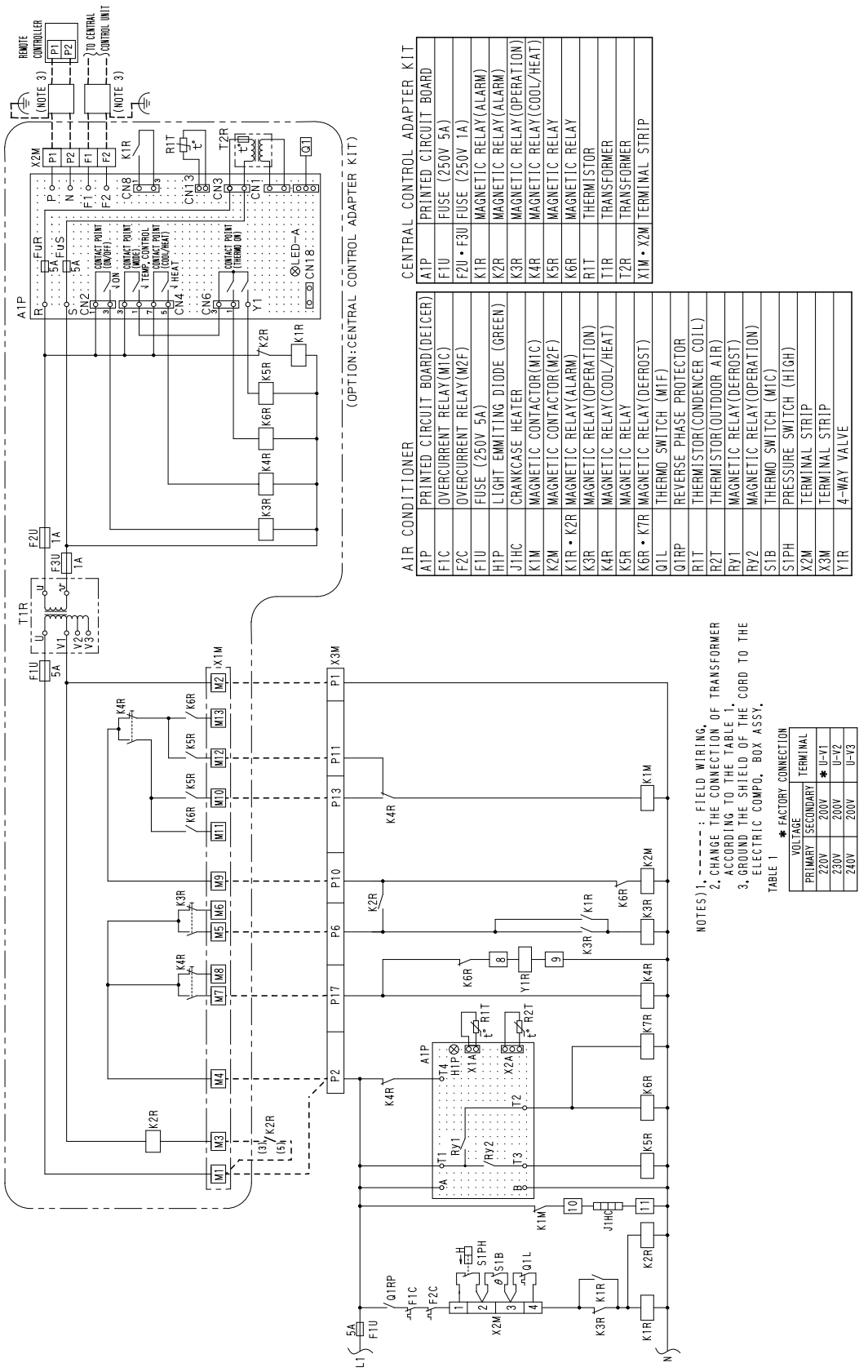
15.4.4 Dimension



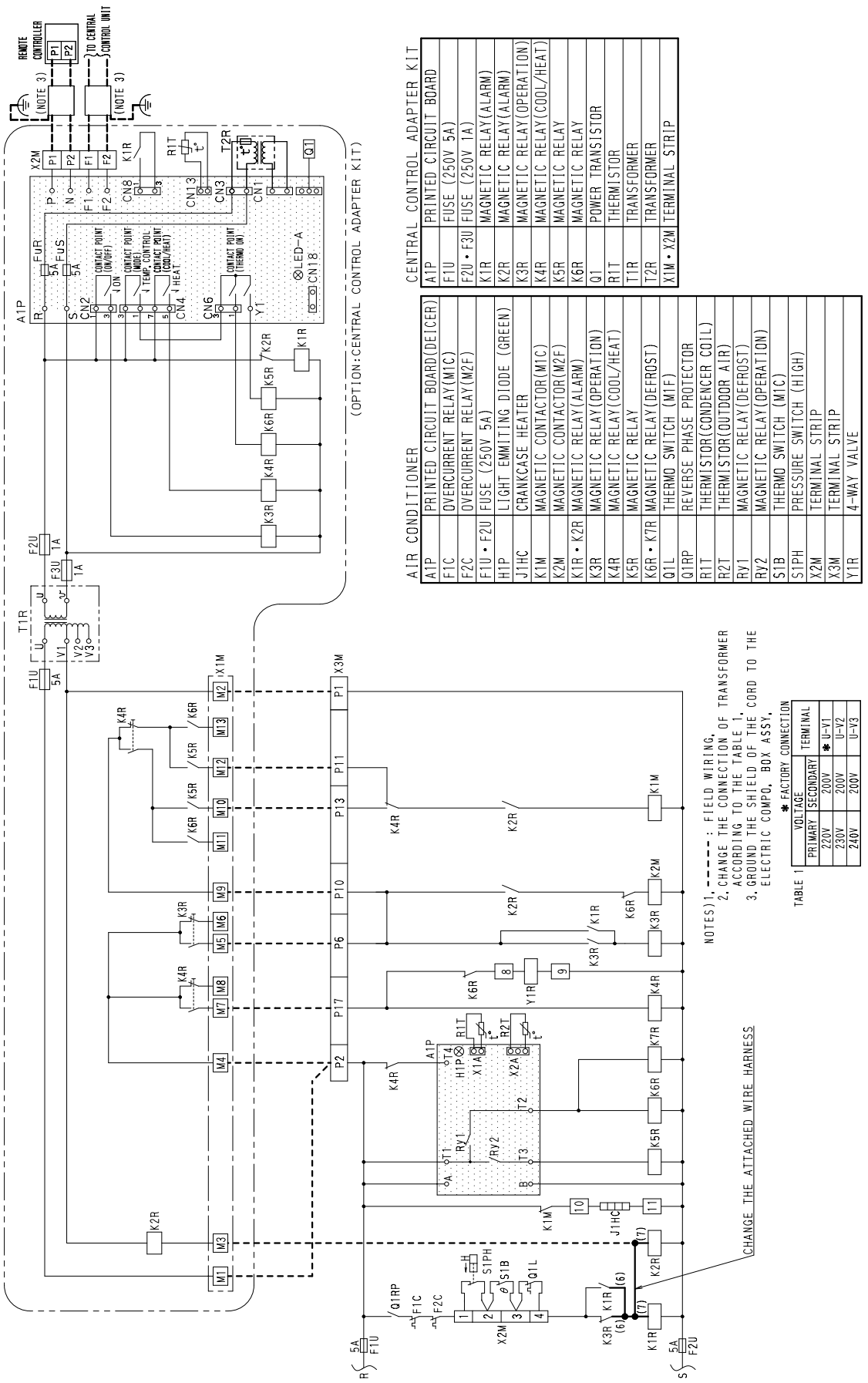
3D019850

15.4.5 Wiring Diagram

UATY06KY1,YAL + DTA107A55



UATY06KTAL + DTA107A55



AIR CONDITIONER

A1P	PRINTED CIRCUIT BOARD(DEICER)
F1C	OVERCURRENT RELAY(M1C)
F2C	OVERCURRENT RELAY(M2F)
F1U • F2U	FUSE (250V 5A)
H1P	LIGHT EMMITING DIODE (GREEN)
J1HC	CRANKCASE HEATER
K1M	MAGNETIC CONTACTOR(M1C)
K2M	MAGNETIC CONTACTOR(M2F)
K1R • K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R • K7R	MAGNETIC RELAY(DEFROST)
Q1L	THERMO SWITCH (M1F)
Q1RP	REVERSE PHASE PROTECTOR
R1T	THERMISTOR(CONDENCER COIL)
R2T	THERMISTOR(OUTDOOR AIR)
RY1	MAGNETIC RELAY(DEFROST)
RY2	MAGNETIC RELAY(OPERATION)
S1B	THERMO SWITCH (M1C)
S1PH	PRESSURE SWITCH (HIGH)
X2M	TERMINAL STRIP
X3M	TERMINAL STRIP
Y1R	4-WAY VALVE

CENTRAL CONTROL ADAPTER KIT

A1P	PRINTED CIRCUIT BOARD
F1U	FUSE (250V 5A)
F2U • F3U	FUSE (250V 1A)
K1R	MAGNETIC RELAY(ALARM)
K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R	MAGNETIC RELAY
Q1	POWER TRANSISTOR
R1T	THERMISTOR
T1R	TRANSFORMER
T2R	TRANSFORMER
X1M • X2M	TERMINAL STRIP

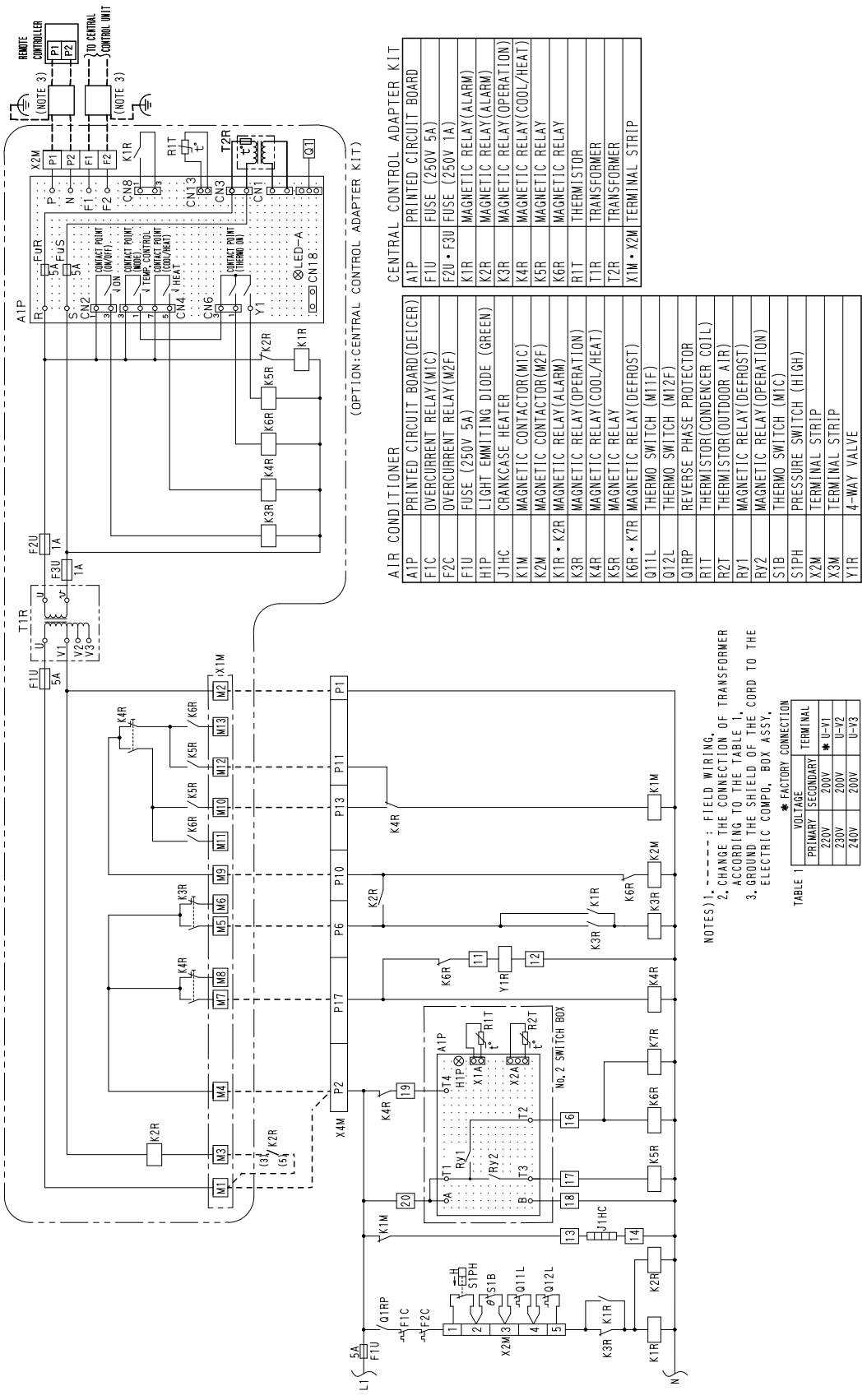
NOTES) 1. ------ : FIELD WIRING,
2. CHANGE THE CONNECTION OF TRANSFORMER ACCORDING TO THE TABLE 1.
3. GROUND THE SHIELD OF THE CORD TO THE ELECTRIC COMPO. BOX ASSY.
✱ FACTORY CONNECTION

TABLE 1

VOLTAGE		TERMINAL
PRIMARY	SECONDARY	
220V	200V	✱ U-V1
230V	200V	U-V2
240V	200V	U-V3

3D019867A

UATY08KY1, YAL + DTA107A55
UATY09KY1, YAL + DTA107A55
UATY10KY1 + DTA107A55
UATY12KYAL + DTA107A55



AIR CONDITIONER

A1P	PRINTED CIRCUIT BOARD(DEICER)
F1C	OVERCURRENT RELAY(M1C)
F2C	OVERCURRENT RELAY(M2F)
F1U	FUSE (250V 5A)
H1P	LIGHT EMMITING DIODE (GREEN)
J1HC	CRANKCASE HEATER
K1M	MAGNETIC CONTACTOR(M1C)
K2M	MAGNETIC CONTACTOR(M2F)
K1R • K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R • K7R	MAGNETIC RELAY(DEFROST)
Q11L	THERMO SWITCH (M11F)
Q12L	THERMO SWITCH (M12F)
Q1RP	REVERSE PHASE PROTECTOR
R1T	THERMISTOR(CONDENCER COIL)
R2T	THERMISTOR(OUTDOOR AIR)
RY1	MAGNETIC RELAY(DEFROST)
RY2	MAGNETIC RELAY(OPERATION)
S1B	THERMO SWITCH (M1C)
S1PH	PRESSURE SWITCH (HIGH)
X2M	TERMINAL STRIP
X3M	TERMINAL STRIP
Y1R	4-WAY VALVE

CENTRAL CONTROL ADAPTER KIT

A1P	PRINTED CIRCUIT BOARD
F1U	FUSE (250V 5A)
F2U • F3U	FUSE (250V 1A)
K1R	MAGNETIC RELAY(ALARM)
K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R	MAGNETIC RELAY
R1T	THERMISTOR
T1R	TRANSFORMER
T2R	TRANSFORMER
X1M • X2M	TERMINAL STRIP

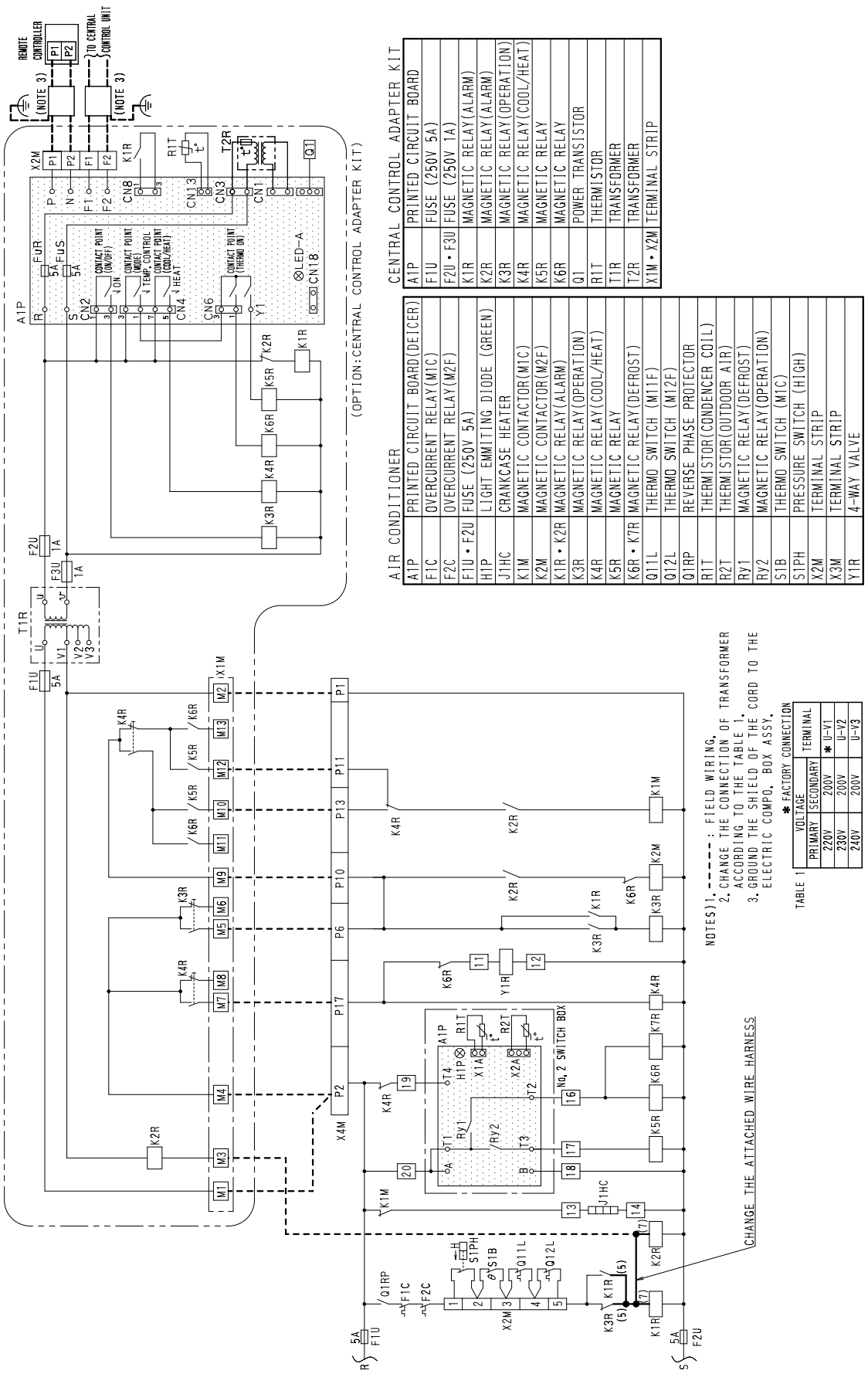
NOTES) 1. ------ ; FIELD WIRING.
2. CHANGE THE CONNECTION OF TRANSFORMER ACCORDING TO THE TABLE 1.
3. GROUND THE SHIELD OF THE CORD TO THE ELECTRIC COMPO. BOX ASSY.

TABLE 1 ✱ FACTORY CONNECTION

VOLTAGE		TERMINAL	
PRIMARY	SECONDARY		
220V	200V	✱	U-V1
230V	200V		U-V2
240V	200V		U-V3

3D019868

UATY08KTAL + DTA107A55
UATY09KTAL + DTA107A55



AIR CONDITIONER

A1P	PRINTED CIRCUIT BOARD(DEICER)
F1C	OVERCURRENT RELAY(M1C)
F2C	OVERCURRENT RELAY(M2F)
F1U • F2U	FUSE (250V 5A)
H1P	LIGHT EMMITTING DIODE (GREEN)
J1HC	CRANKCASE HEATER
K1M	MAGNETIC CONTACTOR(M1C)
K2M	MAGNETIC CONTACTOR(M2F)
K1R • K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R • K7R	MAGNETIC RELAY(DEFROST)
Q11L	THERMO SWITCH (M11F)
Q12L	THERMO SWITCH (M12F)
Q1RP	REVERSE PHASE PROTECTOR
R1T	THERMISTOR(CONDENCER COIL)
R2T	THERMISTOR(OUTDOOR AIR)
Ry1	MAGNETIC RELAY(DEFROST)
Ry2	MAGNETIC RELAY(OPERATION)
S1B	THERMO SWITCH (M1C)
S1PH	PRESSURE SWITCH (HIGH)
X2M	TERMINAL STRIP
X3M	TERMINAL STRIP
Y1R	4-WAY VALVE

CENTRAL CONTROL ADAPTER KIT

A1P	PRINTED CIRCUIT BOARD
F1U	FUSE (250V 5A)
F2U • F3U	FUSE (250V 1A)
K1R	MAGNETIC RELAY(ALARM)
K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R	MAGNETIC RELAY
Q1	POWER TRANSISTOR
R1T	THERMISTOR
T1R	TRANSFORMER
T2R	TRANSFORMER
X1M • X2M	TERMINAL STRIP

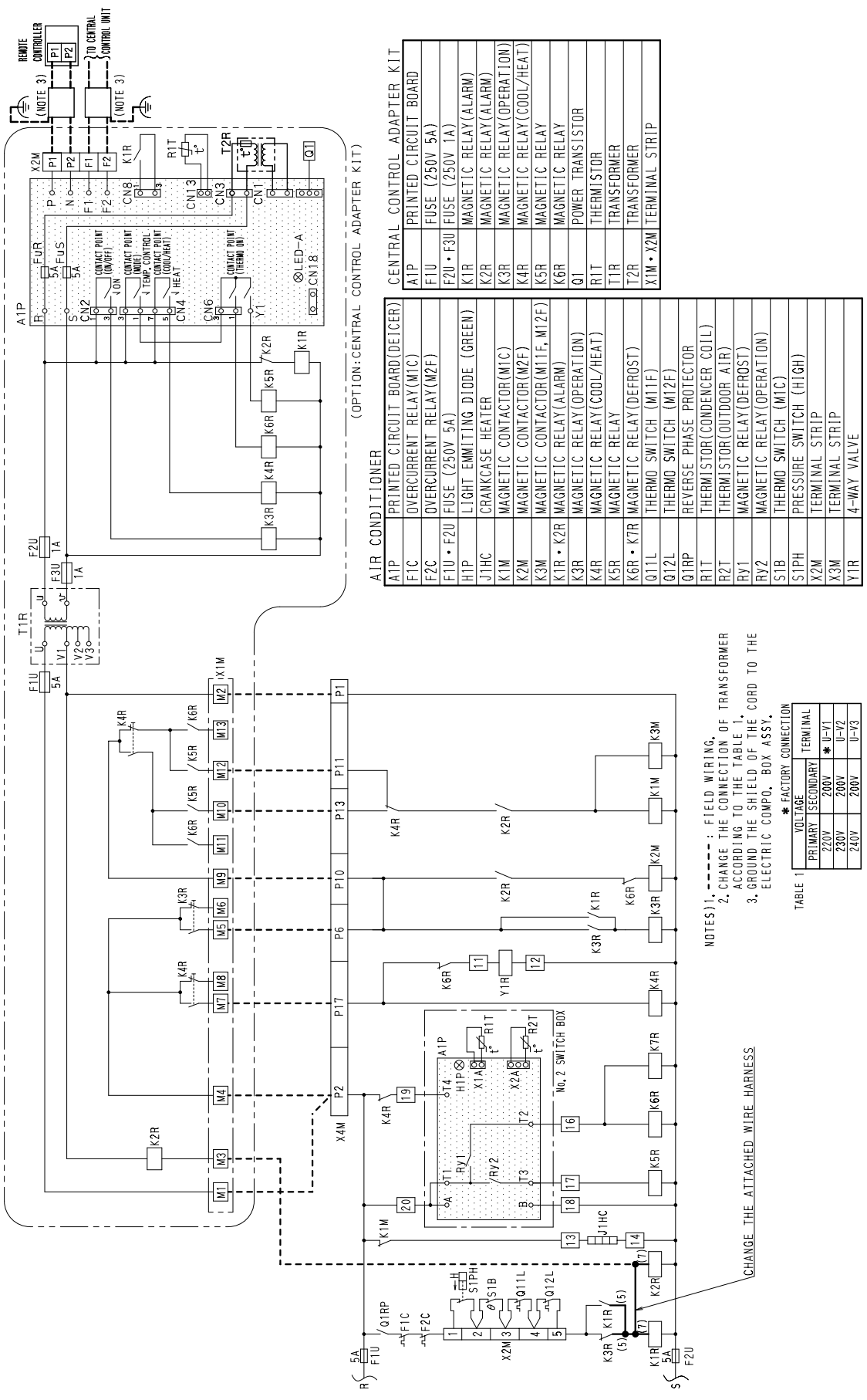
NOTES) 1. ------ : FIELD WIRING,
2. CHANGE THE CONNECTION OF TRANSFORMER ACCORDING TO THE TABLE 1,
3. GROUND THE SHIELD OF THE CORD TO THE ELECTRIC COMPO. BOX ASSY.
✱ FACTORY CONNECTION

TABLE 1

VOLTAGE		TERMINAL
PRIMARY	SECONDARY	
220V	200V	✱ U-V1
230V	200V	U-V2
240V	200V	U-V3

3D019869A

UATY12KTAL + DTA107A55



AIR CONDITIONER

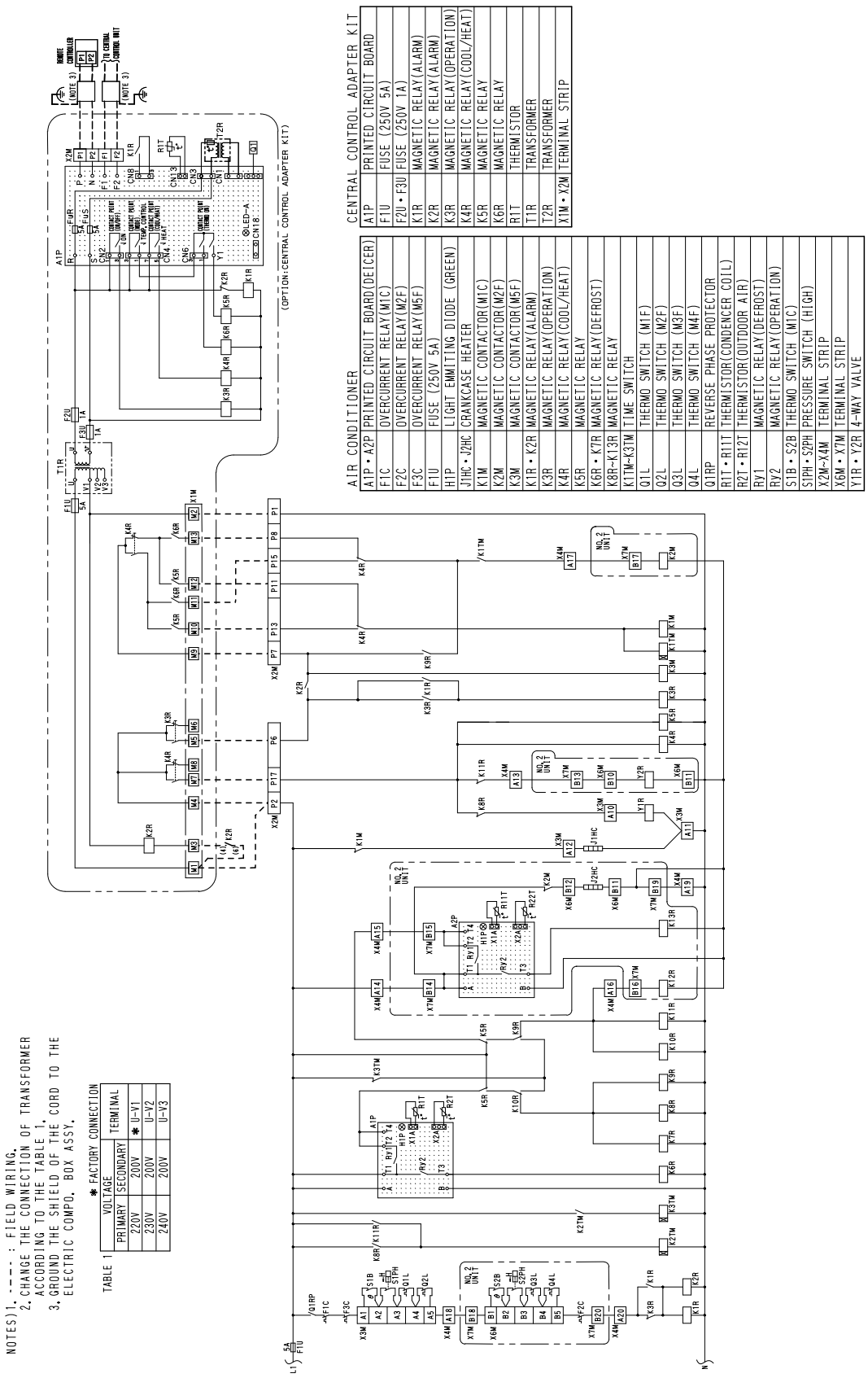
A1P	PRINTED CIRCUIT BOARD(DEICER)
F1C	OVERCURRENT RELAY(M1C)
F2C	OVERCURRENT RELAY(M2F)
F1U • F2U	FUSE (250V 5A)
H1P	LIGHT EMMITTING DIODE (GREEN)
J1HC	CRANKCASE HEATER
K1M	MAGNETIC CONTACTOR(M1C)
K2M	MAGNETIC CONTACTOR(M2F)
K3M	MAGNETIC CONTACTOR(M1F, M12F)
K1R • K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R • K7R	MAGNETIC RELAY(DEFROST)
Q11L	THERMO SWITCH (M11F)
Q12L	THERMO SWITCH (M12F)
Q1RP	REVERSE PHASE PROTECTOR
R1T	THERMISTOR(CONDENCER COIL)
R2T	THERMISTOR(OUTDOOR AIR)
Rv1	MAGNETIC RELAY(DEFROST)
Rv2	MAGNETIC RELAY(OPERATION)
S1B	THERMO SWITCH (M1C)
S1PH	PRESSURE SWITCH (HIGH)
X2M	TERMINAL STRIP
X3M	TERMINAL STRIP
Y1R	4-WAY VALVE

CENTRAL CONTROL ADAPTER KIT

A1P	PRINTED CIRCUIT BOARD
F1U	FUSE (250V 5A)
F2U • F3U	FUSE (250V 1A)
K1R	MAGNETIC RELAY(ALARM)
K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R	MAGNETIC RELAY(COOL/HEAT)
K5R	MAGNETIC RELAY
K6R	MAGNETIC RELAY
Q1	POWER TRANSISTOR
R1T	THERMISTOR
T1R	TRANSFORMER
T2R	TRANSFORMER
X1M • Y2M	TERMINAL STRIP

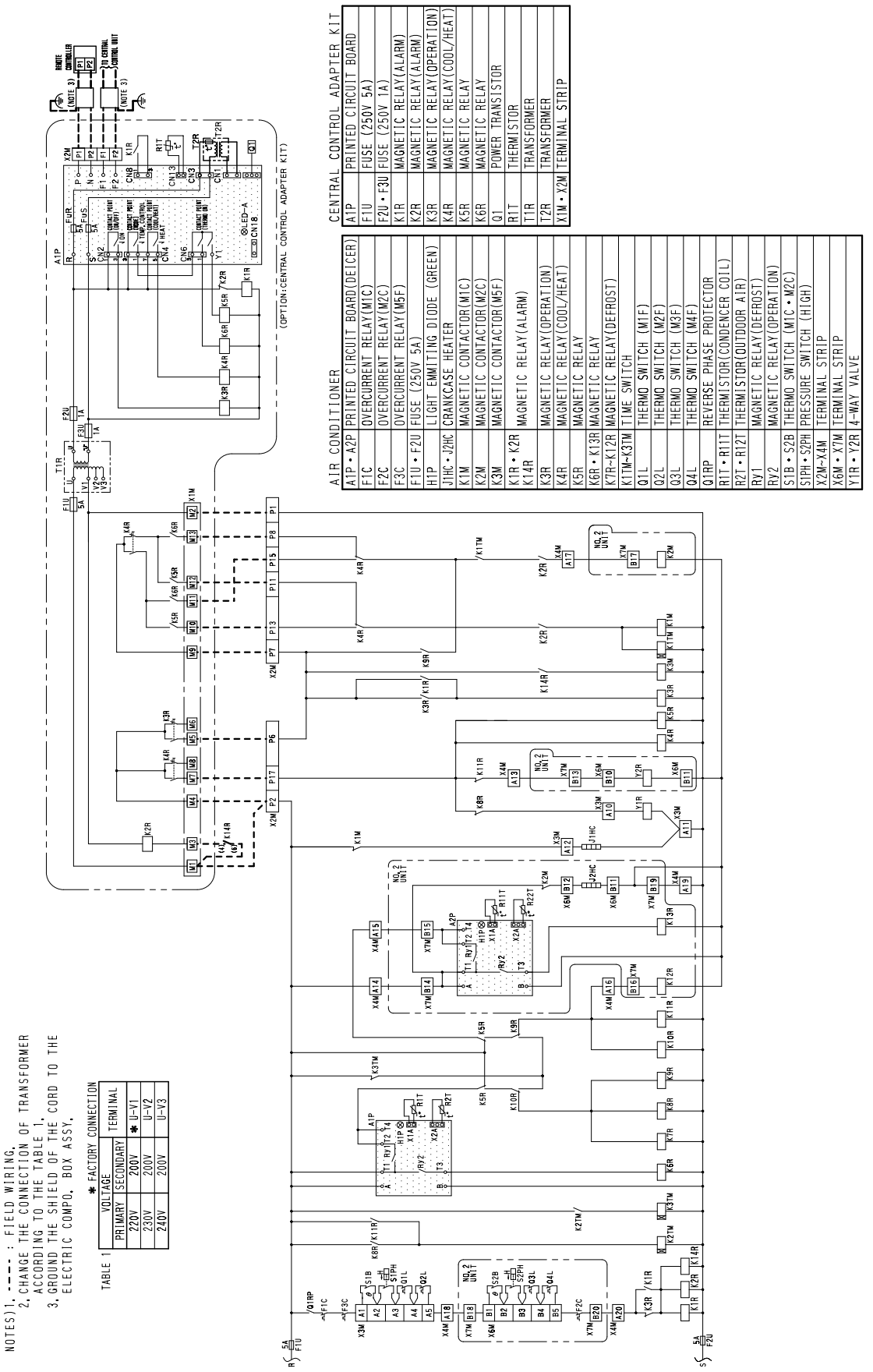
UATY15KY1, YAL + DTA107A55
UATY18KY1, YAL + DTA107A55
UATY21KY1, YAL + DTA107A55

3D019871



UATY15KTAL + DTA107A55
UATY18KTAL + DTA107A55
UATY21KTAL + DTA107A55

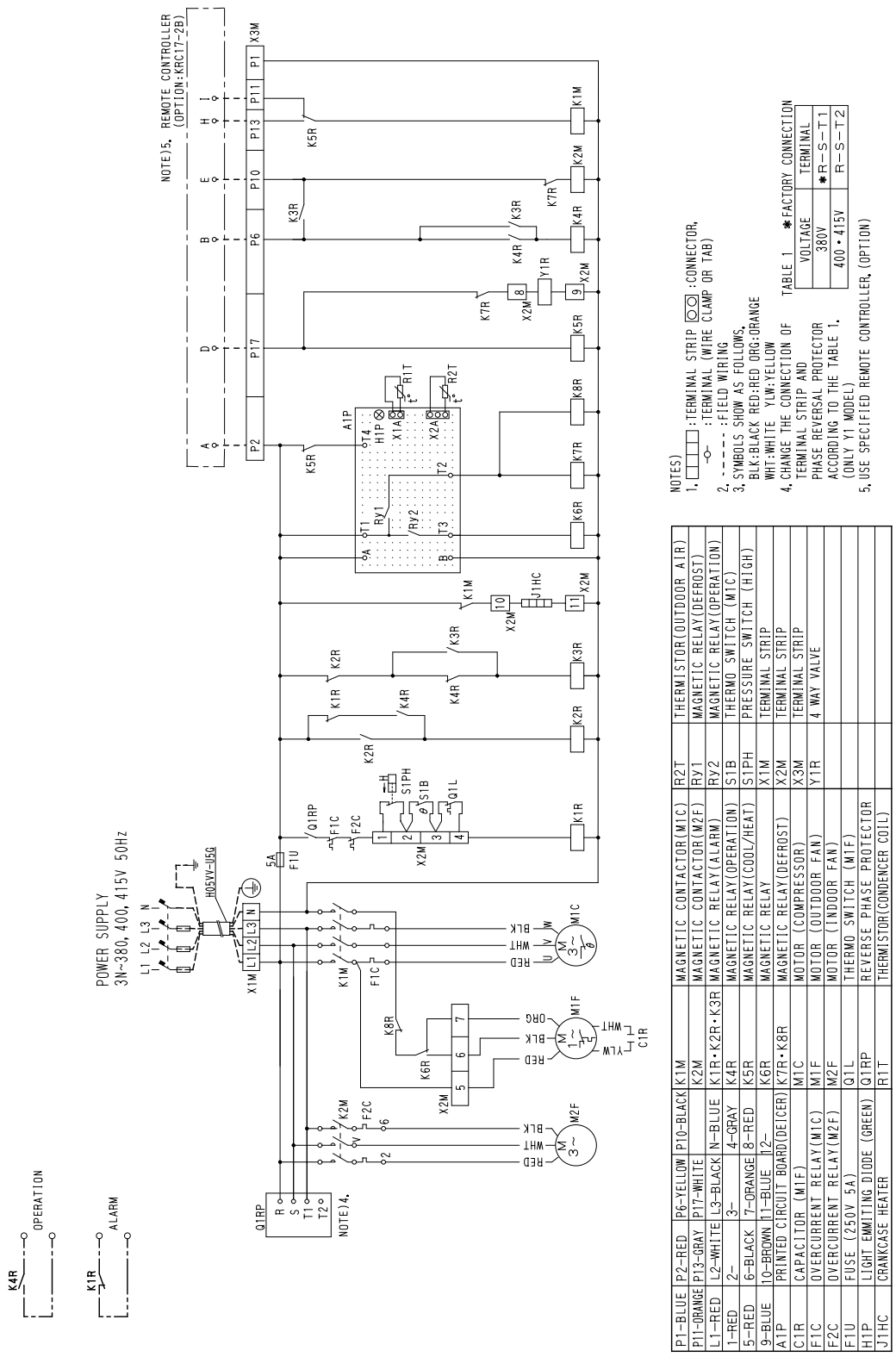
3D019872A



16. Wiring Modification

16.1 Wiring for Operating Signal and Alarm

UATY06KY1

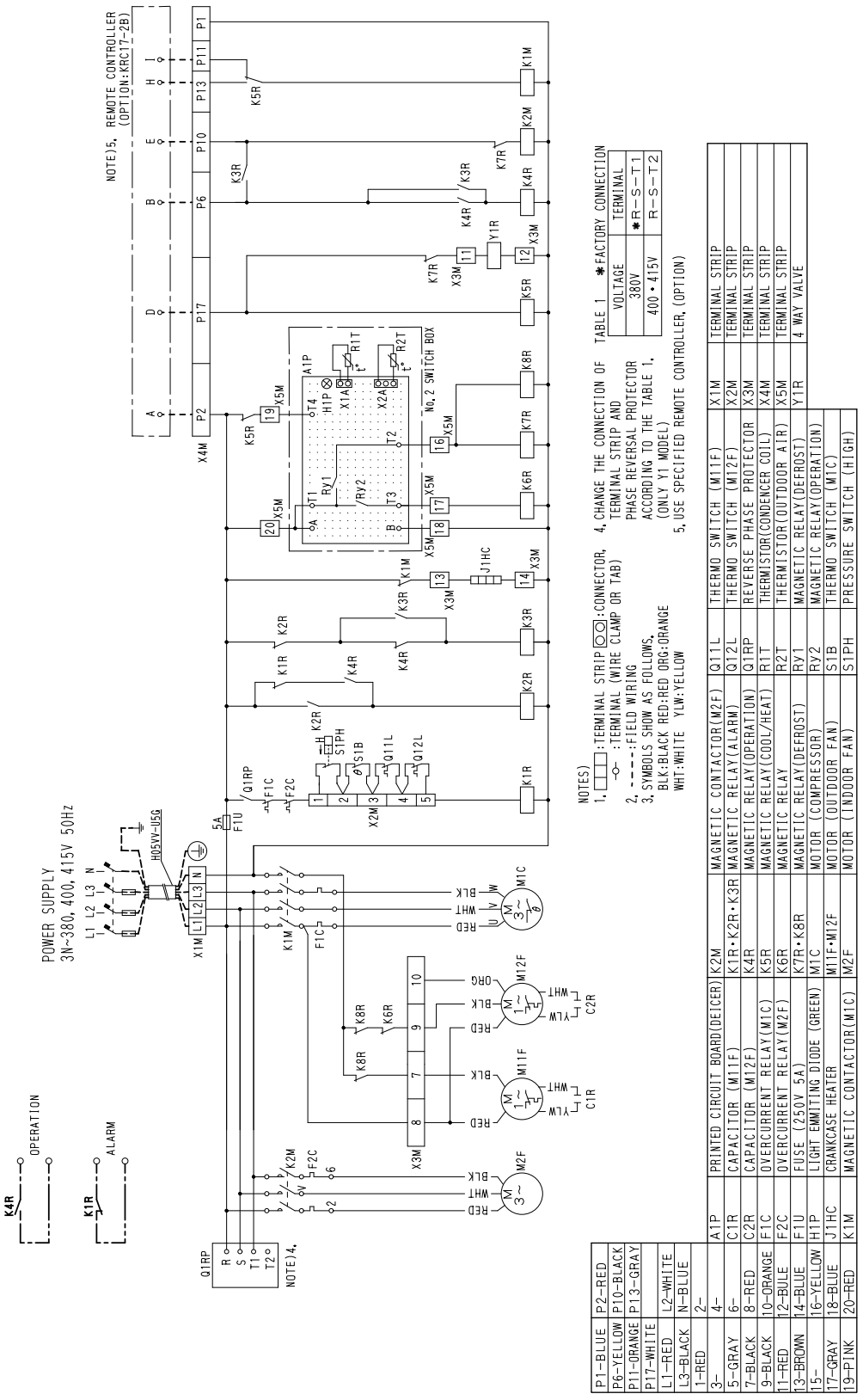


P1-BLUE	P2-RED	P6-YELLOW	P10-BLACK	K1M	MAGNETIC CONTACTOR(M1C)	R2T	THERMISTOR(OUTDOOR AIR)
P11-ORANGE	P13-GRAY	P17-WHITE		K2M	MAGNETIC CONTACTOR(M2F)	Ry1	MAGNETIC RELAY(DEFROST)
L1-RED	L2-WHITE	L3-BLACK	N-BLUE	K1R・K2R・K3R	MAGNETIC RELAY(ALARM)	Ry2	MAGNETIC RELAY(OPERATION)
1-RED	2-	3-	4-GRAY	K4R	MAGNETIC RELAY(OPERATION)	S1B	THERMO SWITCH (M1C)
5-RED	6-BLACK	7-ORANGE	8-RED	K5R	MAGNETIC RELAY(COOL/HEAT)	S1PH	PRESSURE SWITCH (HIGH)
9-BLUE	10-BROWN	11-BLUE	12-	K6R	MAGNETIC RELAY	X1M	TERMINAL STRIP
A1P	PRINTED CIRCUIT BOARD(DEICER)			K7R・K8R	MAGNETIC RELAY(DEFROST)	X2M	TERMINAL STRIP
C1R	CAPACITOR (M1F)			M1C	MOTOR (COMPRESSOR)	X3M	TERMINAL STRIP
F1C	OVERCURRENT RELAY(M1C)			M1F	MOTOR (OUTDOOR FAN)	Y1R	4 WAY VALVE
F2C	OVERCURRENT RELAY(M2F)			M2F	MOTOR (INDOOR FAN)		
F1U	FUSE (250V 5A)			Q1L	THERMO SWITCH (M1F)		
H1P	LIGHT EMMITING DIODE (GREEN)			Q1RP	REVERSE PHASE PROTECTOR		
J1HC	CRANKCASE HEATER			R1T	THERMISTOR(CONDENCER COIL)		

3VA08858

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY08KY1
UATY09KY1
UATY10KY1



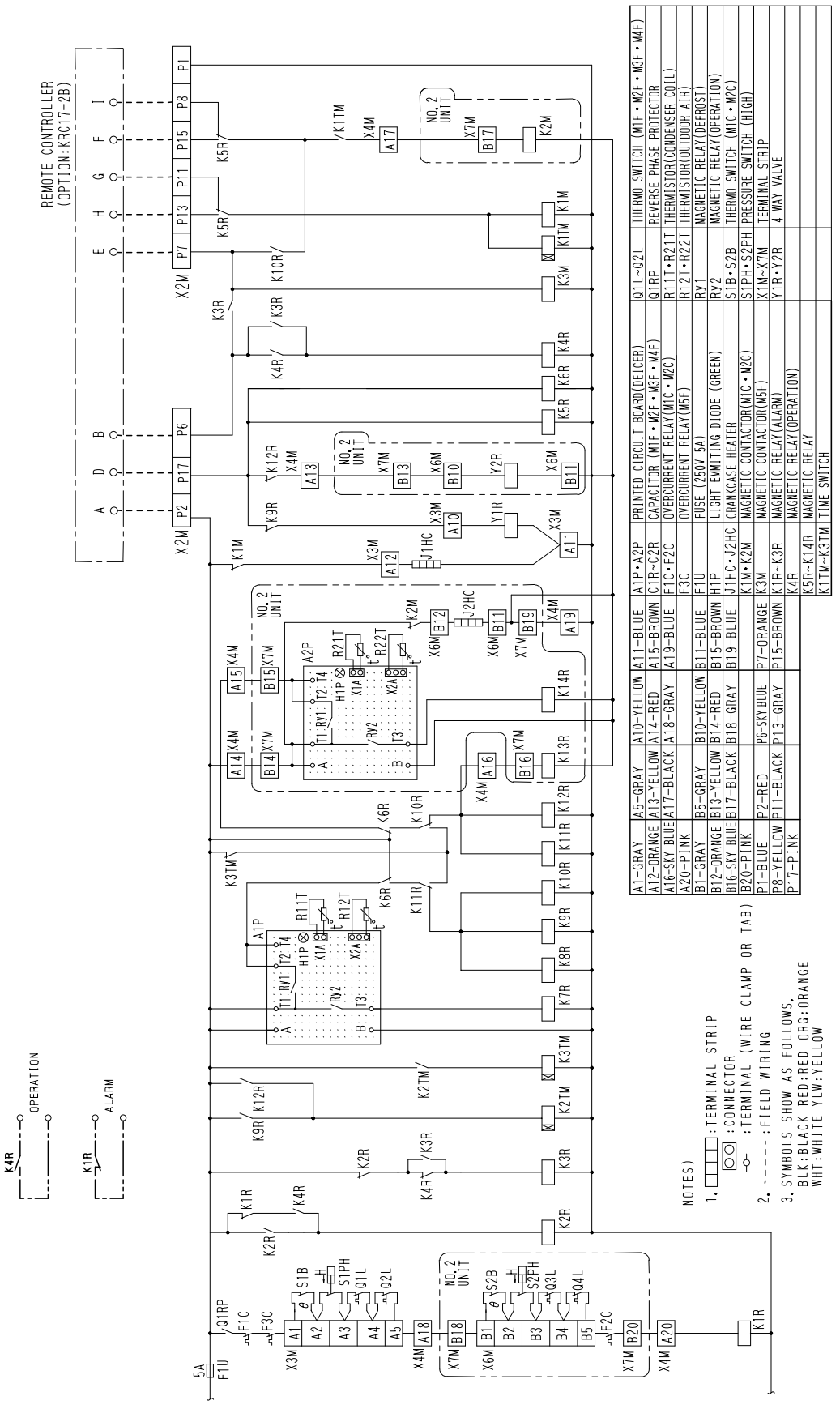
P1-BLUE	P2-RED				
P6-YELLOW	P10-BLACK				
P11-ORANGE	P13-GRAY				
P17-WHITE					
L1-RED	L2-WHITE				
L3-BLACK	N-BLUE				
1-RED	2-				
3-	4-	A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)
5-GRAY	6-	C1R	CAPACITOR (M11F)	K1R・K2R・K3R	MAGNETIC RELAY(ALARM)
7-BLACK	8-RED	C2R	CAPACITOR (M12F)	K4R	MAGNETIC RELAY(OPERATION)
9-BLACK	10-ORANGE	F1C	OVERCURRENT RELAY(M1C)	K5R	MAGNETIC RELAY(COOL/HEAT)
11-RED	12-BULE	F2C	OVERCURRENT RELAY(M2F)	K6R	MAGNETIC RELAY
13-BROWN	14-BLUE	F1U	FUSE (250V 5A)	K7R・K8R	MAGNETIC RELAY(DEFROST)
15-	16-YELLOW	H1P	LIGHT EMMITING DIODE (GREEN)	M1C	MOTOR (COMPRESSOR)
17-GRAY	18-BLUE	J1HC	CRANKCASE HEATER	M1F・M12F	MOTOR (OUTDOOR FAN)
19-PINK	20-RED	K1M	MAGNETIC CONTACTOR(M1C)	M2F	MOTOR (INDOOR FAN)

Q11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP		
Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP		
Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP		
R1T	THERMISTOR(CONDENCER COIL)	X4M	TERMINAL STRIP		
R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP		
RY1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE		
RY2	MAGNETIC RELAY(OPERATION)				
S1B	THERMO SWITCH (WIC)				
S1PH	PRESSURE SWITCH (HIGH)				

3VA08861

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY15KY1
UATY18KY1
UATY21KY1



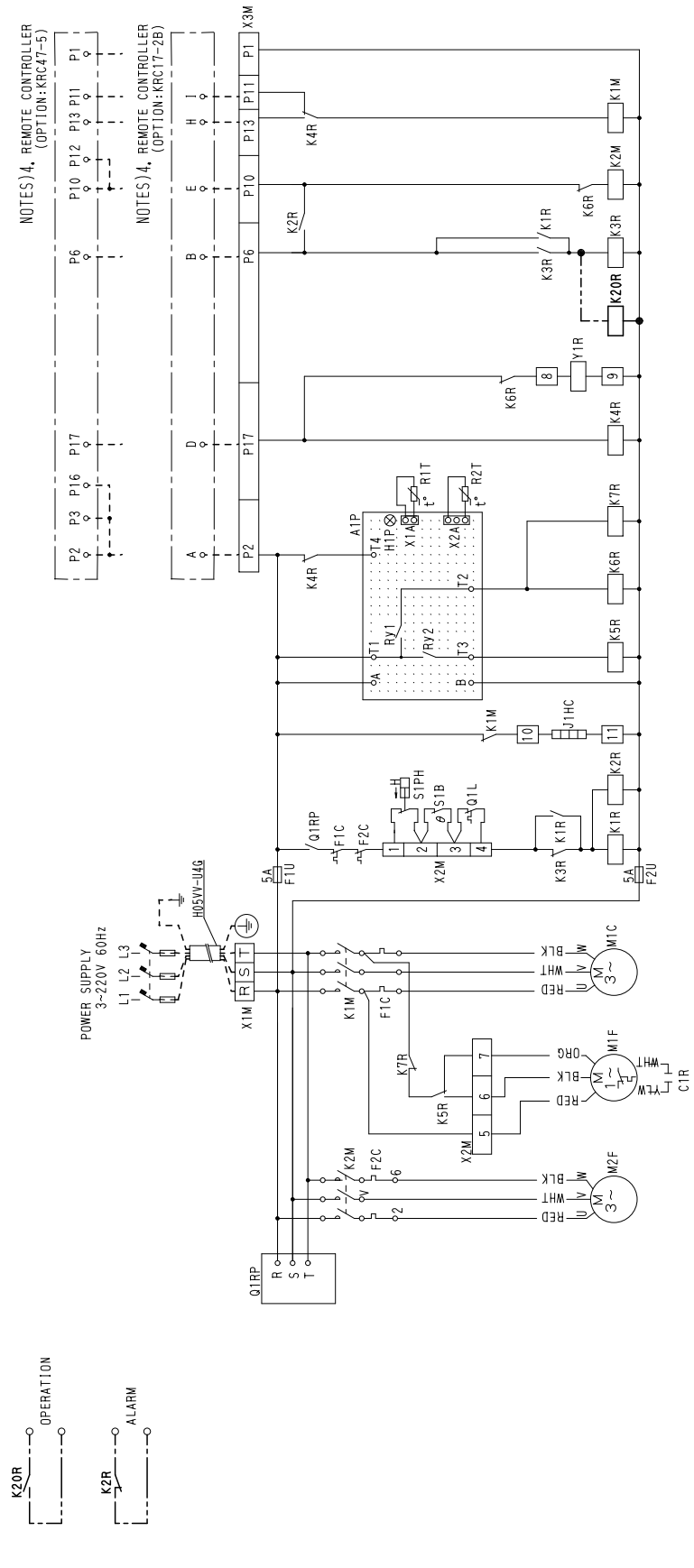
A1P•A2P	PRINTED CIRCUIT BOARD(DEICER)	Q1L~Q2L	THERMO SWITCH (M1F • M2F • M3F • M4F)
C1R~C2R	CAPACITOR (M1F • M2F • M3F • M4F)	Q1RP	REVERSE PHASE PROTECTOR
F1C•F2C	OVERCURRENT RELAY(M1C • M2C)	R11T•R21T	THERMISTOR(CONDENSER COIL)
F3C	OVERCURRENT RELAY(M5F)	R12T•R22T	THERMISTOR(OUTDOOR AIR)
F1U	FUSE (250V 5A)	RY1	MAGNETIC RELAY(DEFROST)
H1P	LIGHT EMMITING DIODE (GREEN)	RY2	MAGNETIC RELAY(OPERATION)
J1HC•J2HC	CRANKCASE HEATER	S1B~S2B	THERMO SWITCH (M1C • M2C)
K1M•K2M	MAGNETIC CONTACTOR(M1C • M2C)	S1PH•S2PH	PRESSURE SWITCH (HIGH)
K3M	MAGNETIC CONTACTOR(M5F)	X1M~X7M	TERMINAL STRIP
K1R~K3R	MAGNETIC RELAY(ALARM)	Y1R•Y2R	4 WAY VALVE
K4R	MAGNETIC RELAY(OPERATION)		
K5R~K14R	MAGNETIC RELAY		
K1TM~K3TM	TIME SWITCH		

A1-GRAY	A5-GRAY	A10-YELLOW	A11-BLUE	A1P•A2P	
A12-ORANGE	A13-YELLOW	A14-RED	A15-BROWN	C1R~C2R	
A16-SKY BLUE	A17-BLACK	A18-GRAY	A19-BLUE	F1C•F2C	
A20-PINK				F3C	
B1-GRAY	B5-GRAY	B10-YELLOW	B11-BLUE	F1U	
B12-ORANGE	B13-YELLOW	B14-RED	B15-BROWN	H1P	
B16-SKY BLUE	B17-BLACK	B18-GRAY	B19-BLUE	J1HC•J2HC	
B20-PINK				K1M•K2M	
P1-BLUE	P2-RED	P6-SKY BLUE	P7-ORANGE	K3M	
P8-YELLOW	P11-BLACK	P13-GRAY	P15-BROWN	K1R~K3R	
P17-PINK				K4R	
				K5R~K14R	
				K1TM~K3TM	

3VA08865

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY06KTAL



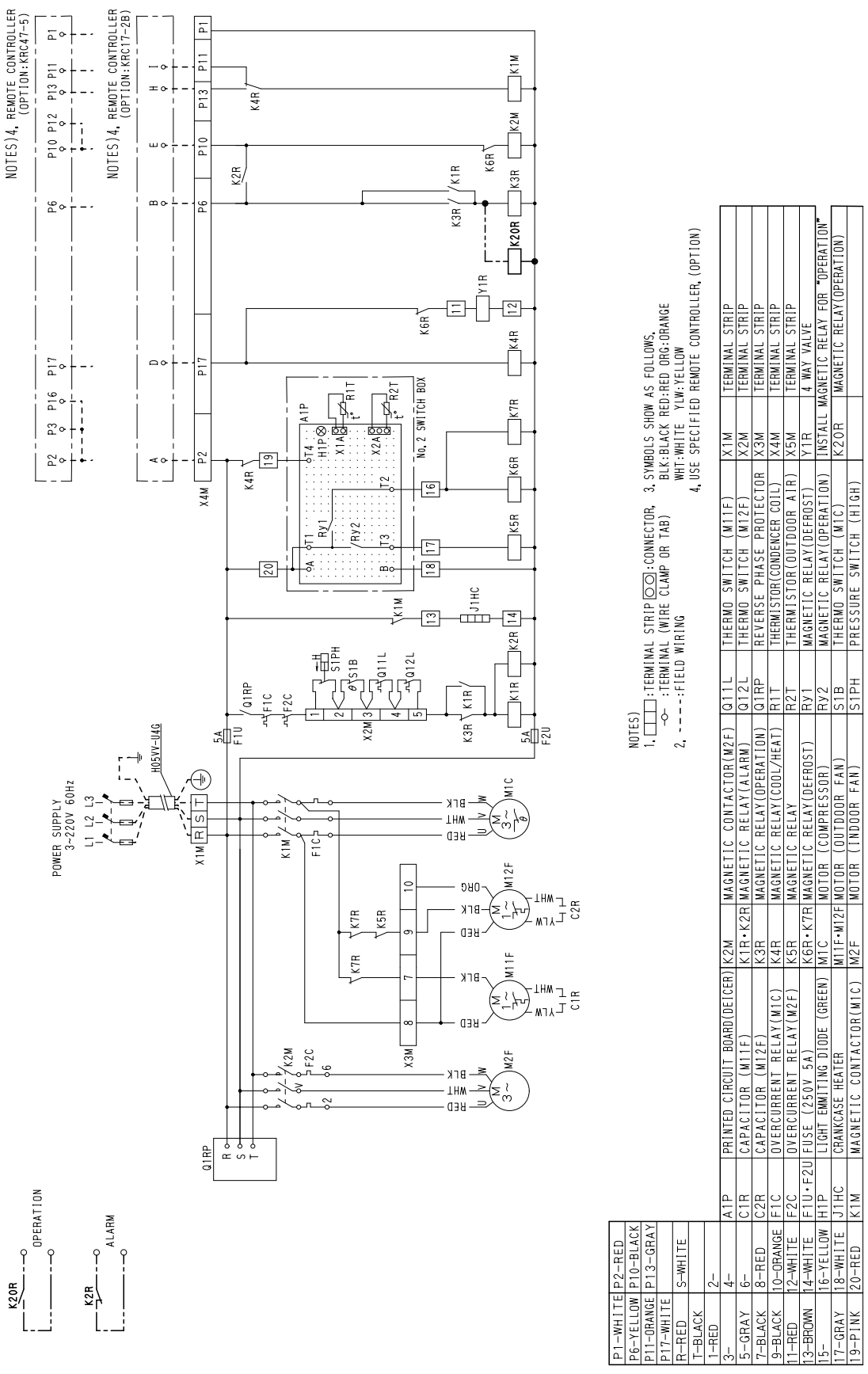
NOTES)
1. □□□□ :TERMINAL STRIP ⊙⊙ :CONNECTOR,
—○— :TERMINAL (WIRE CLAMP OR TAB)
2. - - - - - :FIELD WIRING
3. SYMBOLS SHOW AS FOLLOWS,
BLK:BLACK RED:RED ORG:ORANGE
WHT:WHITE YLW:YELLOW
4. USE SPECIFIED REMOTE CONTROLLER, (OPTION)

3VA08859

P1-WHITE	P2-RED	P6-YELLOW	P10-BLACK	K1M	MAGNETIC CONTACTOR(M1C)	R2T	THERMISTOR(OUTDOOR AIR)
P11-ORANGE	P13-GRAY	P17-WHITE		K2M	MAGNETIC CONTACTOR(M2F)	RY1	MAGNETIC RELAY(DEFROST)
R-RED	S-WHITE	T-BLACK		K1R・K2R	MAGNETIC RELAY(ALARM)	RY2	MAGNETIC RELAY(OPERATION)
1-RED	2-	3-	4-GRAY	K3R	MAGNETIC RELAY(OPERATION)	S1B	THERMO SWITCH (MIC)
5-RED	6-BLACK	7-ORANGE	8-RED	K4R	MAGNETIC RELAY(COOL/HEAT)	S1PH	PRESSURE SWITCH (HIGH)
9-WHITE	10-BROWN	11-WHITE	12-	K5R	MAGNETIC RELAY	X1M	TERMINAL STRIP
A1P	PRINTED CIRCUIT BOARD(DEICER)			K6R・K7R	MAGNETIC RELAY(DEFROST)	X2M	TERMINAL STRIP
C1R	CAPACITOR (M1F)			M1C	MOTOR (COMPRESSOR)	X3M	TERMINAL STRIP
F1C	OVERCURRENT RELAY(M1C)			M1F	MOTOR (OUTDOOR FAN)	Y1R	4 WAY VALVE
F2C	OVERCURRENT RELAY(M2F)			M2F	MOTOR (INDOOR FAN)	INSTALL MAGNETIC RELAY FOR "OPERATION"	
F1U・F2U	FUSE (250V 5A)			Q1L	THERMO SWITCH (M1F)	K20R	MAGNETIC RELAY(OPERATION)
H1P	LIGHT EMMITING DIODE (GREEN)			Q1RP	REVERSE PHASE PROTECTOR		
J1HC	CRANKCASE HEATER			R1T	THERMISTOR(CONDENCER COIL)		

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY08KTAL
UATY09KTAL



NOTES)
1. □□□:TERMINAL STRIP ○○:CONNECTOR, 3. SYMBOLS SHOW AS FOLLOWS,
○:TERMINAL (WIRE CLAMP OR TAB) BLK:BLACK RED:RED ORG:ORANGE
2. ----:FIELD WIRING WHT:WHITE YLW:YELLOW
4. USE SPECIFIED REMOTE CONTROLLER, (OPTION)

Q11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP		
Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP		
Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP		
R1T	THERMISTOR(CONDENCER COIL)	X4M	TERMINAL STRIP		
R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP		
RY1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE		
RY2	MAGNETIC RELAY(OPERATION)	INSTALL MAGNETIC RELAY FOR "OPERATION"			
S1B	THERMO SWITCH (M1C)	K2OR	MAGNETIC RELAY(OPERATION)		
S1PH	PRESSURE SWITCH (HIGH)				

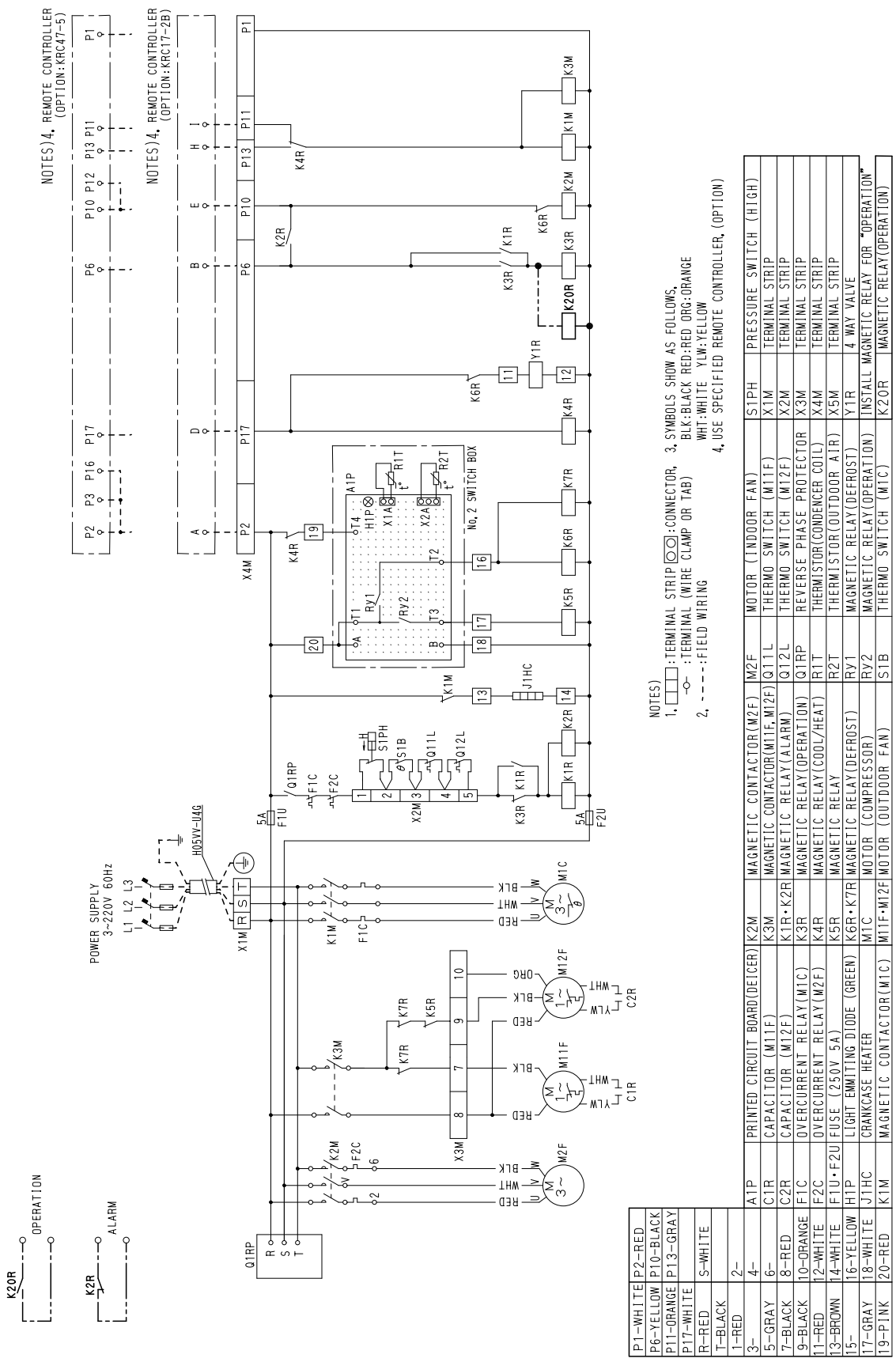
P1-WHITE	P2-RED
P6-YELLOW	P10-BLACK
P11-ORANGE	P13-GRAY
P17-WHITE	
R-RED	S-WHITE
T-BLACK	
1-RED	2-
3-	4-
5-GRAY	6-
7-BLACK	8-RED
9-BLACK	10-ORANGE
11-RED	12-WHITE
13-BROWN	14-WHITE
15-	16-YELLOW
17-GRAY	18-WHITE
19-PINK	20-RED

A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)	Q11L	THERMO SWITCH (M11F)
C1R	CAPACITOR (M11F)	K1R・K2R	MAGNETIC RELAY(ALARM)	Q12L	THERMO SWITCH (M12F)
C2R	CAPACITOR (M12F)	K3R	MAGNETIC RELAY(OPERATION)	Q1RP	REVERSE PHASE PROTECTOR
F1C	OVERCURRENT RELAY(M1C)	K4R	MAGNETIC RELAY(COOL/HEAT)	R1T	THERMISTOR(CONDENCER COIL)
F2C	OVERCURRENT RELAY(M2F)	K5R	MAGNETIC RELAY	R2T	THERMISTOR(OUTDOOR AIR)
F1U・F2U	FUSE (250V 5A)	K6R・K7R	MAGNETIC RELAY(DEFROST)	RY1	MAGNETIC RELAY(DEFROST)
H1P	LIGHT EMMITING DIODE (GREEN)	M1C	MOTOR (COMPRESSOR)	RY2	MAGNETIC RELAY(OPERATION)
J1HC	CRANKCASE HEATER	M1F・M12F	MOTOR (OUTDOOR FAN)	S1B	THERMO SWITCH (M1C)
K1M	MAGNETIC CONTACTOR(M1C)	M2F	MOTOR (INDOOR FAN)	S1PH	PRESSURE SWITCH (HIGH)

3VA08862

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY12KTAL



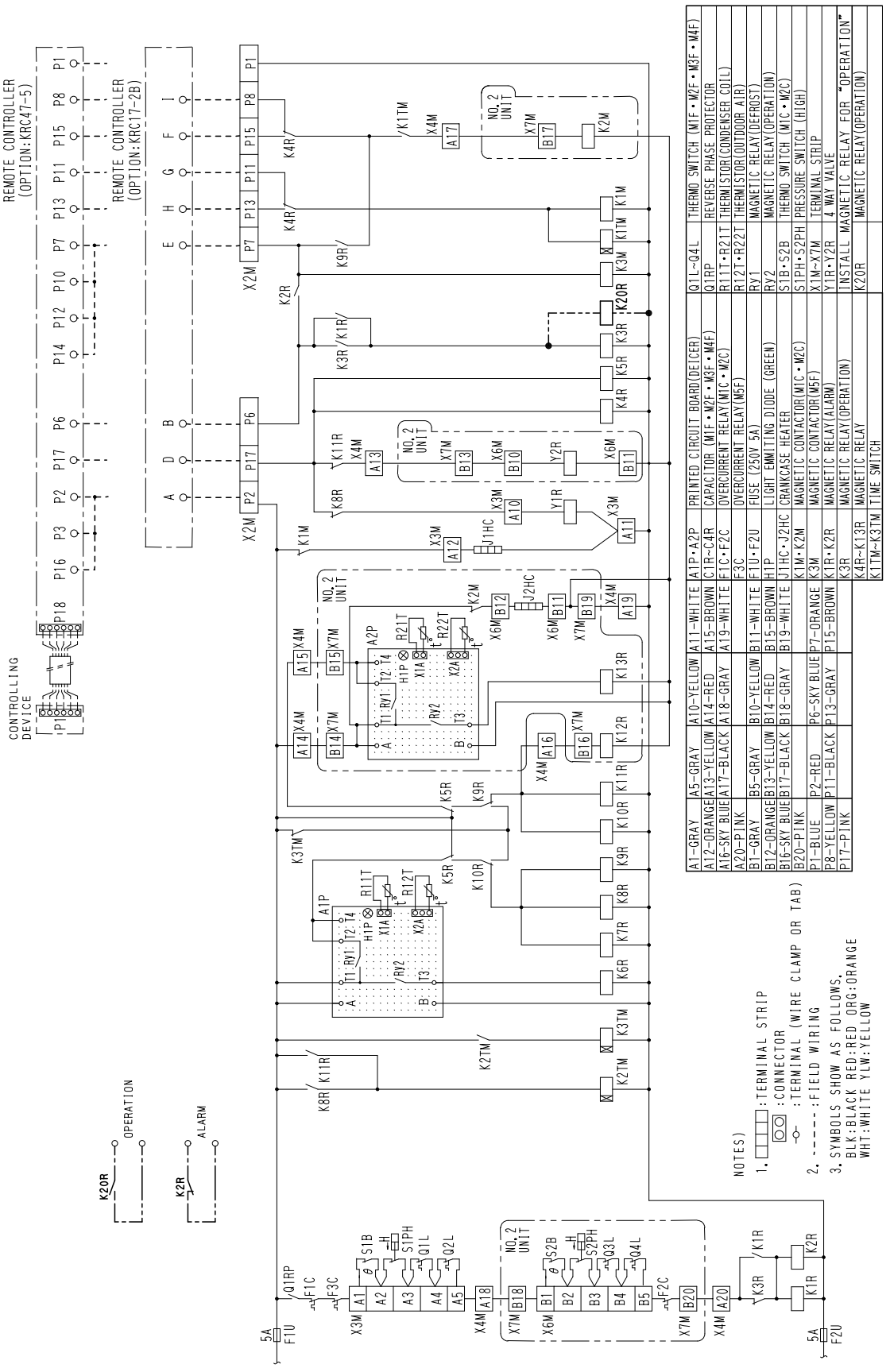
M2F	MOTOR (INDOOR FAN)	S1PH	PRESSURE SWITCH (HIGH)	P1-WHITE	P2-RED
M11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP	P6-YELLOW	P10-BLACK
Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP	P11-ORANGE	P13-GRAY
Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP	P17-WHITE	
R1T	THERMISTOR(CONDENSER COIL)	X4M	TERMINAL STRIP	R-RED	S-WHITE
R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP	T-BLACK	
Ry1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE	1-RED	2-
Ry2	MAGNETIC RELAY(OPERATION)	INSTALL MAGNETIC RELAY FOR "OPERATION"		3-	4-
S1B	THERMO SWITCH (M1C)	K20R	MAGNETIC RELAY(OPERATION)	5-GRAY	6-
				7-BLACK	8-RED
				9-BLACK	10-ORANGE
				11-RED	12-WHITE
				13-BROWN	14-WHITE
				15-	16-YELLOW
				17-GRAY	18-WHITE
				19-PINK	20-RED

A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)
C1R	CAPACITOR (M11F)	K3M	MAGNETIC CONTACTOR(M11F,M12F)
C2R	CAPACITOR (M12F)	K1R・K2R	MAGNETIC RELAY(ALARM)
F1C	OVERCURRENT RELAY(M1C)	K3R	MAGNETIC RELAY(OPERATION)
F2C	OVERCURRENT RELAY(M2F)	K4R	MAGNETIC RELAY(COOL/HEAT)
F1U・F2U	FUSE (250V 5A)	K5R	MAGNETIC RELAY
H1P	LIGHT EMMITING DIODE (GREEN)	K6R・K7R	MAGNETIC RELAY(DEFROST)
J1HC	CRANKCASE HEATER	M1C	MOTOR (COMPRESSOR)
K1M	MAGNETIC CONTACTOR(M1C)	M11F・M12F	MOTOR (OUTDOOR FAN)

3VA08864

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY15KTAL
UATY18KTAL
UATY21KTAL



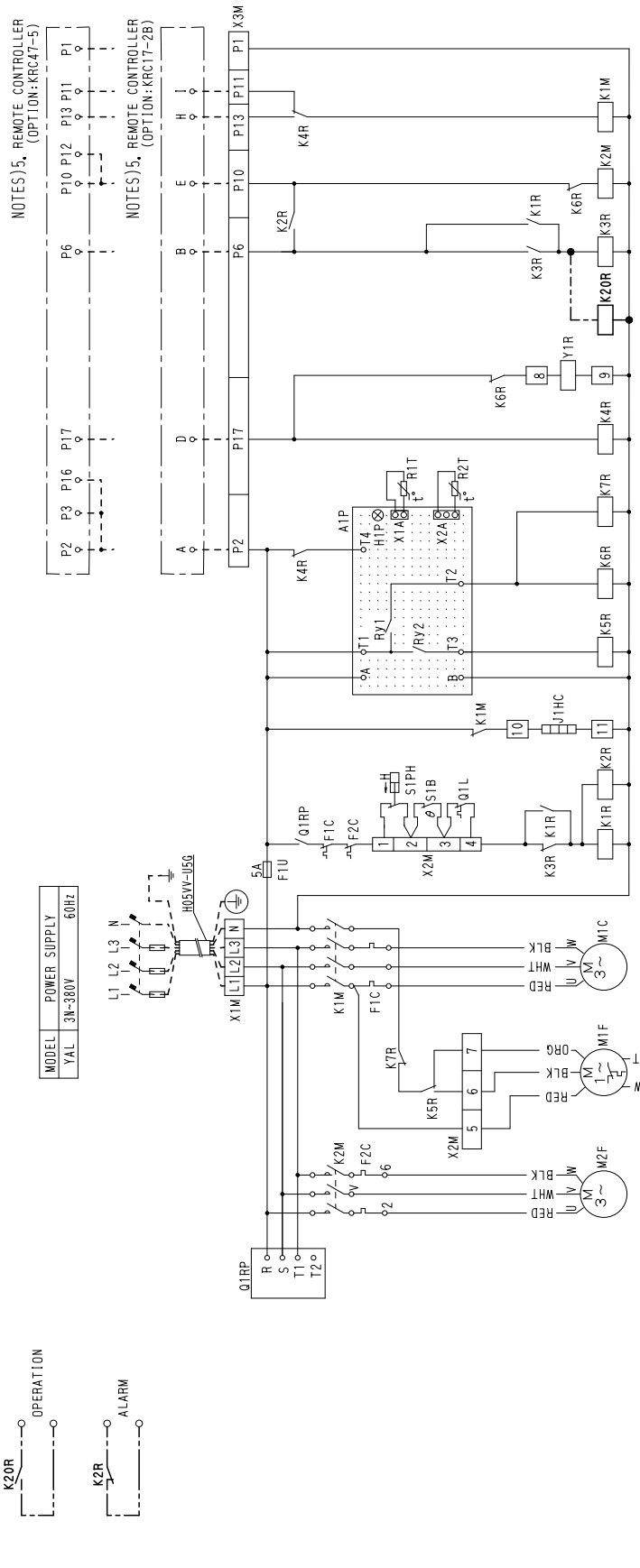
A1-GRAY	A5-GRAY	A10-YELLOW	A11-WHITE
A12-ORANGE	A13-YELLOW	A14-RED	A15-BROWN
A16-SKY BLUE	A17-BLACK	A18-GRAY	A19-WHITE
A20-PINK			
B1-GRAY	B5-GRAY	B10-YELLOW	B11-WHITE
B12-ORANGE	B13-YELLOW	B14-RED	B16-BROWN
B16-SKY BLUE	B17-BLACK	B18-GRAY	B19-WHITE
B20-PINK			
P1-BLUE	P2-RED	P6-SKY BLUE	P7-ORANGE
P8-YELLOW	P11-BLACK	P13-GRAY	P15-BROWN
P17-PINK			

A1P・A2P	PRINTED CIRCUIT BOARD(DEICER)
C1R~C4R	CAPACITOR (M1F・M2F・M3F・M4F)
F1C・F2C	OVERCURRENT RELAY(M1C・M2C)
F3C	OVERCURRENT RELAY(M5F)
F1U・F2U	FUSE (250V 5A)
H1P	LIGHT EMMITTING DIODE (GREEN)
J1HC・J2HC	CRANKCASE HEATER
K1M・K2M	MAGNETIC CONTACTOR(M1C・M2C)
K3M	MAGNETIC CONTACTOR(M5F)
K1R・K2R	MAGNETIC RELAY(ALARM)
K3R	MAGNETIC RELAY(OPERATION)
K4R~K13R	MAGNETIC RELAY
K1TM~K3TM	TIME SWITCH
Q1L~Q4L	THERMO SWITCH (M1F・M2F・M3F・M4F)
Q1RP	REVERSE PHASE PROTECTOR
R11T・R21T	THERMISTOR(CONDENSER COIL)
R12T・R22T	THERMISTOR(OUTDOOR AIR)
RY1	MAGNETIC RELAY(DEFROST)
RY2	MAGNETIC RELAY(OPERATION)
S1B・S2B	THERMO SWITCH (M1C・M2C)
S1PH・S2PH	PRESSURE SWITCH (HIGH)
X1M~X7M	TERMINAL STRIP
Y1R・Y2R	4 WAY VALVE
INSTALL	MAGNETIC RELAY FOR "OPERATION"
K20R	MAGNETIC RELAY(OPERATION)

3VA08866

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY06KYAL



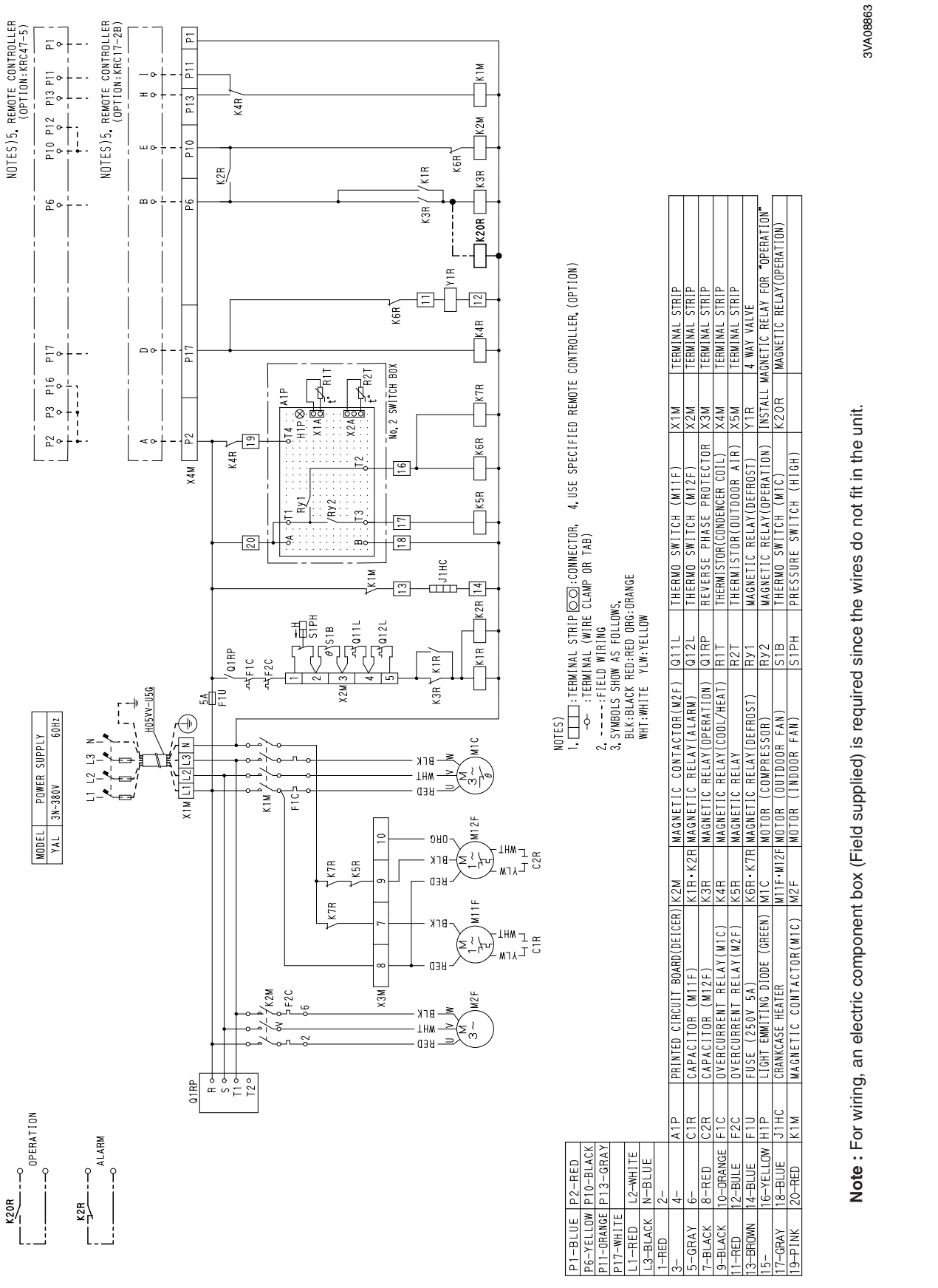
NOTES)
1. □□□□ :TERMINAL STRIP ○○ :CONNECTOR, —○— :TERMINAL (WIRE CLAMP OR TAB)
2. - - - - - :FIELD WIRING
3. SYMBOLS SHOW AS FOLLOWS, BLK:BLACK RED:RED ORG:ORANGE WHT:WHITE YLW:YELLOW
4. USE SPECIFIED REMOTE CONTROLLER. (OPTION)

P1-BLUE	P2-RED	P6-YELLOW	P10-BLACK	K1M	MAGNETIC CONTACTOR(M1C)	R2T	THERMISTOR(OUTDOOR AIR)		
P11-ORANGE	P13-GRAY	P17-WHITE		K2M	MAGNETIC CONTACTOR(M2F)	RY1	MAGNETIC RELAY(DEFROST)		
L1-RED	L2-WHITE	L3-BLACK	N-BLUE	K1R・K2R	MAGNETIC RELAY(ALARM)	RY2	MAGNETIC RELAY(OPERATION)		
1-RED	2-	3-	4-GRAY	K3R	MAGNETIC RELAY(OPERATION)	S1B	THERMO SWITCH (M1C)		
5-RED	6-BLACK	7-ORANGE	8-RED	K4R	MAGNETIC RELAY(COOL/HEAT)	S1PH	PRESSURE SWITCH (HIGH)		
9-BLUE	10-BROWN	11-BLUE	12-	K5R	MAGNETIC RELAY	X1M	TERMINAL STRIP		
A1P	PRINTED CIRCUIT BOARD(DEICER)			K6R・K7R	MAGNETIC RELAY(DEFROST)	X2M	TERMINAL STRIP		
C1R	CAPACITOR (M1F)			M1C	MOTOR (COMPRESSOR)	X3M	TERMINAL STRIP		
F1C	OVERCURRENT RELAY(M1C)			M1F	MOTOR (OUTDOOR FAN)	Y1R	4 WAY VALVE		
F2C	OVERCURRENT RELAY(M2F)			M2F	MOTOR (INDOOR FAN)	INSTALL MAGNETIC RELAY FOR "OPERATION"			
F1U	FUSE (250V 5A)			Q1L	THERMO SWITCH (M1F)	K20R	MAGNETIC RELAY(OPERATION)		
H1P	LIGHT EMMITING DIODE (GREEN)			Q1RP	REVERSE PHASE PROTECTOR				
J1HC	CRANKCASE HEATER			R1T	THERMISTOR(CONDENCER COIL)				

3VA08860

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY08KYAL
UATY09KYAL
UATY12KYAL



NOTES)
1, □□□:TERMINAL STRIP ○○:CONNECTOR, 4, USE SPECIFIED REMOTE CONTROLLER, (OPTION)
-○- :TERMINAL (WIRE CLAMP OR TAB)
2, - - - -:FIELD WIRING
3, SYMBOLS SHOW AS FOLLOWS,
BLK:BLACK RED:RED ORG:ORANGE
WHT:WHITE YLW:YELLOW

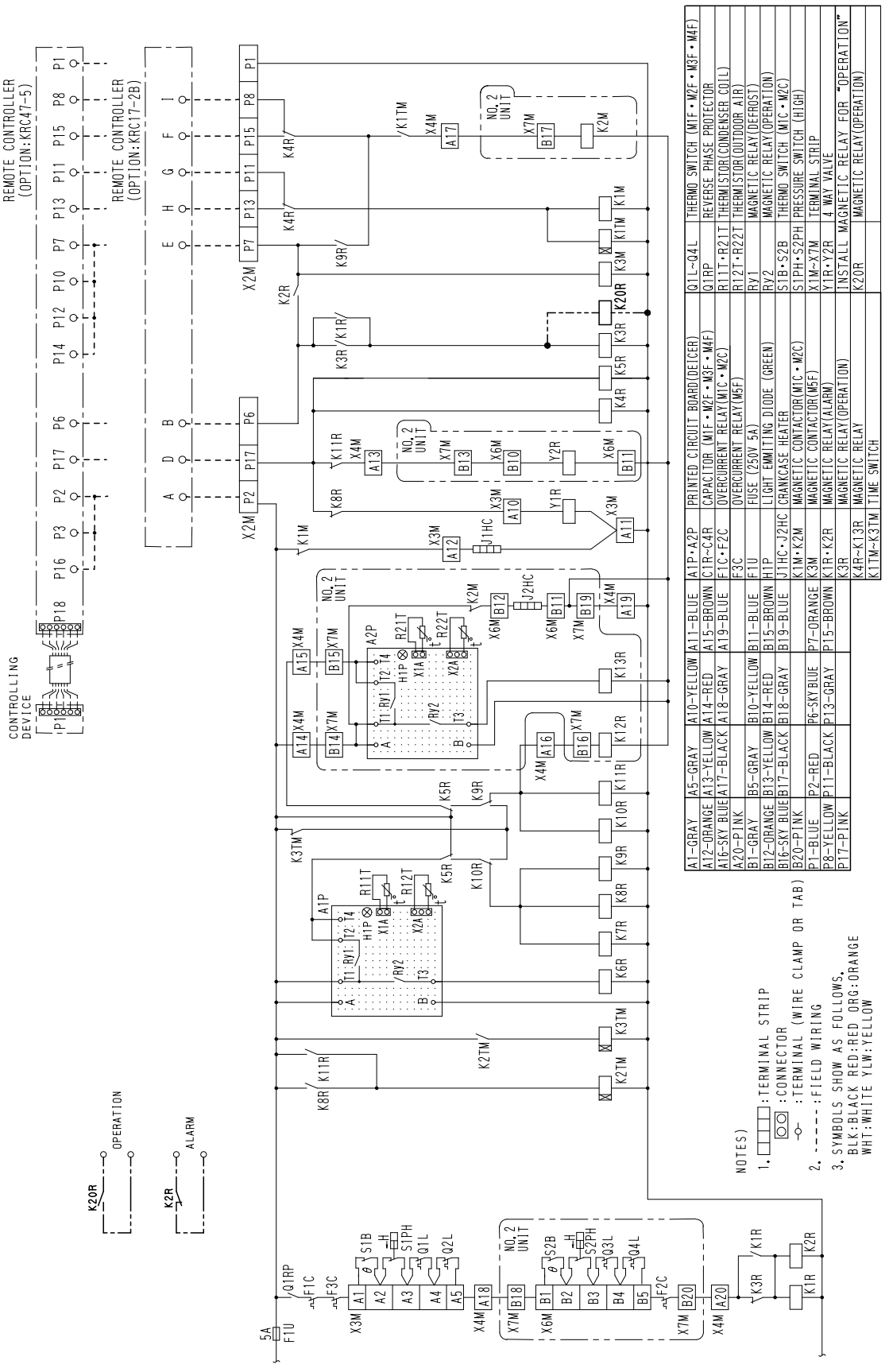
P1-BLUE	P2-RED
P6-YELLOW	P10-BLACK
P11-ORANGE	P13-GRAY
P17-WHITE	
L1-RED	L2-WHITE
L3-BLACK	N-BLUE
1-RED	2-

3-	4-	A1P	PRINTED CIRCUIT BOARD(DEICER)	K2M	MAGNETIC CONTACTOR(M2F)	Q11L	THERMO SWITCH (M11F)	X1M	TERMINAL STRIP
5-GRAY	6-	C1R	CAPACITOR (M11F)	K1R・K2R	MAGNETIC RELAY(ALARM)	Q12L	THERMO SWITCH (M12F)	X2M	TERMINAL STRIP
7-BLACK	8-RED	C2R	CAPACITOR (M12F)	K3R	MAGNETIC RELAY(OPERATION)	Q1RP	REVERSE PHASE PROTECTOR	X3M	TERMINAL STRIP
9-BLACK	10-ORANGE	F1C	OVERCURRENT RELAY(M1C)	K4R	MAGNETIC RELAY(COOL/HEAT)	R1T	THERMISTOR(CONDENCER COIL)	X4M	TERMINAL STRIP
11-RED	12-BULE	F2C	OVERCURRENT RELAY(M2F)	K5R	MAGNETIC RELAY	R2T	THERMISTOR(OUTDOOR AIR)	X5M	TERMINAL STRIP
13-BROWN	14-BLUE	F1U	FUSE (250V 5A)	K6R・K7R	MAGNETIC RELAY(DEFROST)	Ry1	MAGNETIC RELAY(DEFROST)	Y1R	4 WAY VALVE
15-	16-YELLOW	H1P	LIGHT EMMITING DIODE (GREEN)	M1C	MOTOR (COMPRESSOR)	Ry2	MAGNETIC RELAY(OPERATION)		INSTALL MAGNETIC RELAY FOR "OPERATION"
17-GRAY	18-BLUE	J1HC	CRANKCASE HEATER	M11F・M12F	MOTOR (OUTDOOR FAN)	S1B	THERMO SWITCH (WIC)	K20R	MAGNETIC RELAY(OPERATION)
19-PINK	20-RED	K1M	MAGNETIC CONTACTOR(M1C)	M2F	MOTOR (INDOOR FAN)	S1PH	PRESSURE SWITCH (HIGH)		

3VA08863

Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

UATY15KYAL
UATY18KYAL
UATY21KYAL



Note : For wiring, an electric component box (Field supplied) is required since the wires do not fit in the unit.

The air conditioners manufactured by Daikin Industries have received **ISO 9000 series** certification for quality assurance.

Certificate Number.
(ISO9001) **JMI-0107** (ISO9002) **JQA-1452**
JQA-0495

All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard **ISO 14001** certification.

Daikin Industries, Ltd.
Domestic Group
Certificate Number. EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

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