

# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A

NEW



## ► Specifications

Model	PQRY-P200YLM-A		PQRY-P250YLM-A		PQRY-P300YLM-A	
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	22.4	28.0	33.5	
		kcal / h	20,000	25,000	30,000	
	*1	BTU / h	76,400	95,500	114,300	
		Power input kW	3.71	4.90	6.04	
		Current input A	6.2-5.9-5.7	8.2-7.8-7.5	10.1-9.6-9.3	
	EER	kW / kW	6.03	5.71	5.54	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Heating capacity (Nominal)	*2	kW	25.0	31.5	37.5	
		kcal / h	21,500	27,100	32,300	
	*2	BTU / h	85,300	107,500	128,000	
		Power input kW	3.97	5.08	6.25	
		Current input A	6.7-6.3-6.1	8.5-8.1-7.8	10.5-10.0-9.6	
	COP	kW / kW	6.29	6.20	6.00	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		50~150% of heat source unit capacity		
	Model / Quantity	P15~P250/1~20		P15~P250/1~25		
Sound pressure level (measured in anechoic room)	dB <A>	46		48		
Refrigerant piping diameter	High pressure	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	
	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76	5.76	5.76	
		L/min	96	96	96	
		cfm	3.4	3.4	3.4	
	Pressure drop	kPa	24	24	24	
	Operating volume range	m <sup>3</sup> / h	3.0 ~ 7.2		3.0 ~ 7.2	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW	4.8	6.2	7.7	
	Case heater	kW	-		-	
External finish	Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets	
External dimension HxWxD	mm	1,100 x 880 x 550		1,100 x 880 x 550		
	in.	43-5/16 x 34-11/16 x 21-11/16		43-5/16 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 5.0 kg (12 lbs)		R410A x 5.0 kg (12 lbs)		
Net weight	kg (lbs)	172 (380)		172 (380)		
Heat exchanger	plate type		plate type		plate type	
	Water volume in plate	L	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
Optional parts	Joint: CMY-Y102SSLS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Joint: CMY-Y102SSLS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Joint: CMY-Y102SSLS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C D.B./19°C W.B. (81°F D.B./66°F W.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C D.B. (68°F D.B.)	20°C (68°F)		

\*The ambient temperature of the heat source unit needs to be kept below 40°C D.B.

\*The ambient relative humidity of the heat source unit needs to be kept below 80%.

\*The heat source unit should not be installed at outdoor.

\*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

\*Be sure to provide interlocking for the unit operation and water circuit.

\*Nominal condition \*1,\*2 are subject to JIS B8615-2.

\*Due to continuing improvement, above specification may be subject to change without notice.

### Outdoor Unit

# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A

NEW



## ► Specifications

Model	PQRY-P350YLM-A		PQRY-P400YLM-A		PQRY-P450YLM-A		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	40.0	45.0	50.0		
		kcal / h	35,000	40,000	45,000		
	*1	BTU / h	136,500	153,500	170,600		
		Power input	kW	7.14	8.03	9.29	
	Current input	A	12.0-11.4-11.0	13.5-12.8-12.4	15.6-14.8-14.3		
EER	kW / kW	5.60	5.60	5.38			
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)		
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)		
Heating capacity (Nominal)	*2	kW	45.0	50.0	56.0		
		kcal / h	40,000	45,000	50,000		
	*2	BTU / h	153,500	170,600	191,100		
		Power input	kW	7.53	8.37	9.79	
	Current input	A	12.7-12.0-11.6	14.1-13.4-12.9	16.5-15.7-15.1		
COP	kW / kW	5.97	5.97	5.72			
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)		
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)		
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		50~150% of heat source unit capacity		50~150% of heat source unit capacity	
	Model / Quantity	P15~P250/1~35		P15~P250/1~40		P15~P250/1~45	
Sound pressure level (measured in anechoic room)		dB <A>	52	52	54		
Refrigerant piping diameter	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed		
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m <sup>3</sup> / h	7.20	7.20	7.20		
		L/min	120	120	120		
		cfm	4.2	4.2	4.2		
	Pressure drop	kPa	44	44	44		
	Operating volume range	m <sup>3</sup> / h	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6		
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW	9.5	10.7	11.6		
	Case heater	kW	—	—	—		
External finish	Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		
External dimension HxWxD	mm		1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550		
	in.		57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection	
Refrigerant	Type x original charge	R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	216 (477)	216 (477)	216 (477)		
Heat exchanger			plate type	plate type	plate type		
	Water volume in plate	L	5.0	5.0	5.0		
	Water pressure Max.	MPa	2.0	2.0	2.0		
Optional parts	Joint: CMY-Y102SS/SLS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Joint: CMY-Y102SS/SLS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Joint: CMY-Y102SS/SLS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C D.B./19°C W.B. (81°F D.B./66°F W.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C D.B. (68°F D.B.)	20°C (68°F)		

\*The ambient temperature of the heat source unit needs to be kept below 40°C D.B.

\*The ambient relative humidity of the heat source unit needs to be kept below 80%.

\*The heat source unit should not be installed at outdoor.

\*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

\*Be sure to provide interlocking for the unit operation and water circuit.

\*Nominal condition \*1,\*2 are subject to JIS B8615-2.

\*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A

NEW



## ► Specifications

Model	PQRY-P500YLM-A		PQRY-P550YLM-A		PQRY-P600YLM-A	
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	56.0	63.0	69.0	
		kcal / h	50,000	55,000	60,000	
	*1	BTU / h	191,100	215,000	235,400	
		Power input	kW	11.17	12.54	14.49
		Current input	A	18.8-17.9-17.2	21.1-20.1-19.3	24.4-23.2-22.3
	EER	kW / kW	5.01	5.02	4.76	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Heating capacity (Nominal)	*2	kW	63.0	69.0	76.5	
		kcal / h	55,000	60,000	65,800	
	*2	BTU / h	215,000	235,400	261,000	
		Power input	kW	11.43	12.27	14.51
		Current input	A	19.2-18.3-17.6	20.7-19.6-18.9	24.4-23.2-22.4
	COP	kW / kW	5.51	5.62	5.27	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Indoor unit connectable	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity	50~150% of heat source unit capacity	
	Model / Quantity		P15~P250/1~50	P15~P250/2~50	P15~P250/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	54	56.5	56.5	
Refrigerant piping diameter	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
Circulating water	Water flow rate	m <sup>3</sup> / h	7.20	11.52	11.52	
		L/min	120	192	192	
		cfm	4.2	6.8	6.8	
	Pressure drop	kPa	44	45	45	
	Operating volume range	m <sup>3</sup> / h	4.5 ~ 11.6	6.0 ~ 14.4	6.0 ~ 14.4	
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	
	Motor output	kW	13.0	15.0	16.1	
	Case heater	kW	—	0.045 (240 V)	0.045 (240 V)	
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	
External dimension HxWxD	mm		1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection	
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 11.7 kg (26 lbs)	R410A x 11.7 kg (26 lbs)	
Net weight	kg (lbs)		216 (477)	246 (543)	246 (543)	
Heat exchanger			plate type	plate type	plate type	
	Water volume in plate	L	5.0	10.0	10.0	
	Water pressure Max.	MPa	2.0	2.0	2.0	
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C D.B./19°C W.B. (81°F D.B./66°F W.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C D.B. (68°F D.B.)	20°C (68°F)		

\*The ambient temperature of the heat source unit needs to be kept below 40°C D.B.

\*The ambient relative humidity of the heat source unit needs to be kept below 80%.

\*The heat source unit should not be installed at outdoor.

\*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

\*Be sure to provide interlocking for the unit operation and water circuit.

\*Nominal condition \*1,\*2 are subject to JIS B8615-2.

\*Due to continuing improvement, above specification may be subject to change without notice.

### Outdoor Unit

# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YSLM-A

NEW



## ► Specifications

Model		PQRY-P700YSLM-A		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	80.0	
		kcal / h	68,800	
	*1	BTU / h	273,000	
		Power input	kW	14.73
		Current input	A	24.8-23.6-22.7
	EER	kW / kW	5.43	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	
Heating capacity (Nominal)	*2	kW	88.0	
		kcal / h	75,700	
	*2	BTU / h	300,300	
		Power input	kW	14.73
		Current input	A	24.8-23.6-22.7
	COP	kW / kW	5.97	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	
	Circulating water	°C	10.0~45.0°C (50~113°F)	
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		
	Model / Quantity	P15~P250/2~50		
Sound pressure level (measured in anechoic room)	dB <A>	55		
Refrigerant piping diameter	High pressure	mm (in.)	28.58 (1-1/8) Brazed	
	Low pressure	mm (in.)	34.93 (1-3/8) Brazed	

### Set Model

Model		PQRY-P350YLM-A		PQRY-P350YLM-A		
Circulating water	Water flow rate	m <sup>3</sup> / h	7.20 + 7.20			
		L/min	120 + 120			
		cfm	4.2 + 4.2			
	Pressure drop	kPa	44	44		
Operating volume range	m <sup>3</sup> / h	4.5 + 4.5 ~ 11.6 + 11.6				
Compressor	Type	Inverter scroll hermetic compressor				
	Starting method	Inverter		Inverter		
	Motor output	kW	9.5	9.5		
	Case heater	kW	—	—		
External finish		Galvanized steel sheets				
External dimension HxWxD	mm	1,450 x 880 x 550		1,450 x 880 x 550		
		in.		57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection				
	Compressor	Over-heat protection   Over-heat protection				
Refrigerant	Type x original charge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)			
Net weight	kg (lbs)	216 (477)	216 (477)			
Heat exchanger			plate type		plate type	
	Water volume in plate	L	5.0	5.0		
	Water pressure Max.	MPa	2.0	2.0		
Optional parts	Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1					

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C D.B./19°C W.B. (81°F D.B./66°F W.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C D.B. (68°F D.B.)	20°C (68°F)		

\*The ambient temperature of the heat source unit needs to be kept below 40°C D.B.

\*The ambient relative humidity of the heat source unit needs to be kept below 80%.

\*The heat source unit should not be installed at outdoor.

\*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

\*Be sure to provide interlocking for the unit operation and water circuit.

\*Nominal condition \*1,\*2 are subject to JIS B8615-2.

\*Due to continuing improvement, above specification may be subject to change without notice.



# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YSLM-A

NEW



## ► Specifications

Model		PQRY-P750YSLM-A		PQRY-P800YSLM-A						
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz						
Cooling capacity (Nominal)	*1 kW	85.0		90.0						
	kcal / h	73,100		77,400						
	*1 BTU / h	290,000		307,100						
	Power input kW	15.64		16.57						
	Current input A	26.4-25.0-24.1		27.9-26.5-25.6						
EER	kW / kW	5.43		5.43						
Temp. range of cooling	Indoor W.B.	15.0~24.0°C (59~75°F)		15.0~24.0°C (59~75°F)						
	Circulating water °C	10.0~45.0°C (50~113°F)		10.0~45.0°C (50~113°F)						
Heating capacity (Nominal)	*2 kW	95.0		100.0						
	kcal / h	81,700		86,000						
	*2 BTU / h	324,100		341,200						
	Power input kW	15.90		16.75						
	Current input A	26.8-25.4-24.5		28.2-26.8-25.8						
COP	kW / kW	5.97		5.97						
Temp. range of heating	Indoor D.B.	15.0~27.0°C (59~81°F)		15.0~27.0°C (59~81°F)						
	Circulating water °C	10.0~45.0°C (50~113°F)		10.0~45.0°C (50~113°F)						
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		50~150% of heat source unit capacity						
	Model / Quantity	P15~P250/2~50		P15~P250/2~50						
Sound pressure level (measured in anechoic room)	dB <A>	55		55						
Refrigerant piping diameter	High pressure mm (in.)	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed						
	Low pressure mm (in.)	34.93 (1-3/8) Brazed		34.93 (1-3/8) Brazed						
<b>Set Model</b>										
Model		PQRY-P400YLM-A		PQRY-P350YLM-A		PQRY-P400YLM-A		PQRY-P400YLM-A		
Circulating water	Water flow rate	m <sup>3</sup> / h	7.20 + 7.20		7.20 + 7.20		7.20 + 7.20		7.20 + 7.20	
		L/min	120 + 120		120 + 120		120 + 120		120 + 120	
		cfm	4.2 + 4.2		4.2 + 4.2		4.2 + 4.2		4.2 + 4.2	
	Pressure drop	kPa	44		44		44		44	
Operating volume range	m <sup>3</sup> / h	4.5 + 4.5 ~ 11.6 + 11.6				4.5 + 4.5 ~ 11.6 + 11.6				
Compressor	Type	Inverter scroll hermetic compressor				Inverter scroll hermetic compressor				
	Starting method	Inverter		Inverter		Inverter		Inverter		
	Motor output	10.7		9.5		10.7		10.7		
	Case heater	-		-		-		-		
External finish	Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets			
External dimension HxWxD	mm	1,450 x 880 x 550		1,450 x 880 x 550		1,450 x 880 x 550		1,450 x 880 x 550		
	in.	57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection				
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)		
Net weight	kg (lbs)	216 (477)		216 (477)		216 (477)		216 (477)		
Heat exchanger			plate type		plate type		plate type		plate type	
	Water volume in plate	L	5.0		5.0		5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0		2.0		2.0	
Optional parts	Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1				Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1					

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C D.B./19°C W.B. (81°F D.B./66°F W.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C D.B. (68°F D.B.)	20°C (68°F)		

\*The ambient temperature of the heat source unit needs to be kept below 40°C D.B.

\*The ambient relative humidity of the heat source unit needs to be kept below 80%.

\*The heat source unit should not be installed at outdoor.

\*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

\*Be sure to provide interlocking for the unit operation and water circuit.

\*Nominal condition \*1,\*2 are subject to JIS B8615-2.

\*Due to continuing improvement, above specification may be subject to change without notice.

### Outdoor Unit

# HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YSLM-A

NEW



## ► Specifications

Model		PQRY-P850YSLM-A		PQRY-P900YSLM-A		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	96.0	101.0		
		kcal / h	82,600	86,900		
	*1	BTU / h	327,600	344,600		
		Power input	kW	18.03	19.38	
		Current input	A	30.4-28.9-27.8	32.7-31.0-29.9	
	EER	kW / kW	5.32	5.21		
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)		
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)		
Heating capacity (Nominal)	*2	kW	108.0	113.0		
		kcal / h	92,900	97,200		
	*2	BTU / h	368,500	385,600		
		Power input	kW	18.49	19.74	
		Current input	A	31.2-29.6-28.5	33.3-31.6-30.5	
	COP	kW / kW	5.84	5.72		
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)		
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)		
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		50~150% of heat source unit capacity		
	Model / Quantity	P15~P250/2~50		P15~P250/2~50		
Sound pressure level (measured in anechoic room)	dB <A>	56		57		
Refrigerant piping diameter	High pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
	Low pressure	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed		
<b>Set Model</b>						
Model		PQRY-P450YLM-A		PQRY-P400YLM-A		
Circulating water	Water flow rate	m <sup>3</sup> / h	7.20 + 7.20	7.20 + 7.20		
		L/min	120 + 120	120 + 120		
		cfm	4.2 + 4.2	4.2 + 4.2		
	Pressure drop	kPa	44	44	44	44
	Operating volume range	m <sup>3</sup> / h	4.5 + 4.5 ~ 11.6 + 11.6		4.5 + 4.5 ~ 11.6 + 11.6	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	11.6	10.7	11.6	11.6
	Case heater	kW	-	-	-	-
External finish		Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	
External dimension HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	
	in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight	kg (lbs)	216 (477)	216 (477)	216 (477)	216 (477)	
Heat exchanger			plate type	plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0	2.0
Optional parts			Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		

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Outdoor Unit