

HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YLM-A



► Specifications

Model		PQHY-P200YLM-A		PQHY-P250YLM-A		PQHY-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		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity			
	Model / Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26			
Sound pressure level (measured in anechoic room)		dB <A>	46	48	54			
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)			
	Gas pipe	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed			
Circulating water	Water flow rate	m ³ / 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 ³ / h	3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2			
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor			
	Starting method		Inverter	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	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	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)	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 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)			
Net weight	kg (lbs)		174 (384)	174 (384)	174 (384)			
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/LS-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G			

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 WY (Heat Pump) Series PQHY-P YLM-A



► Specifications

Model		PQHY-P350YLM-A	PQHY-P400YLM-A	PQHY-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	
		kcal / h	35,000	40,000	
	*1	BTU / h	136,500	153,500	
		Power input	kW	7.14	8.03
		Current input	A	12.0-11.4-11.0	13.5-12.8-12.4
	EER	kW / kW	5.60	5.60	
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	45.0	50.0	
		kcal / h	40,000	45,000	
	*2	BTU / h	153,500	170,600	
		Power input	kW	7.53	8.37
		Current input	A	12.7-12.0-11.6	14.1-13.4-12.9
	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	50~130% of heat source unit capacity			
	Model / Quantity	P15~P250/1~30	P15~P250/1~34	P15~P250/1~39	
Sound pressure level (measured in anechoic room)	dB <A>	52	52	54	
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7 (1/2) Braze	15.88 (5/8) Braze	
	Gas pipe	mm (in.)	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	
Circulating water	Water flow rate	m ³ / h	7.20	7.20	
		L/min	120	120	
		cfm	4.2	4.2	
	Pressure drop	kPa	44	44	
	Operating volume range	m ³ / h	4.5 ~ 11.6	4.5 ~ 11.6	
Compressor	Type	Inverter scroll hermetic compressor			
	Starting method	Inverter			
	Motor output	kW	9.5	10.7	
	Case heater	kW	-	-	
External finish		Galvanized steel sheets			
External dimension HxWxD	mm	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			
Refrigerant	Type x original charge	R410A x 6.0 kg (14 lbs)			
Net weight	kg (lbs)	217 (479)			
Heat exchanger			plate type		
	Water volume in plate	L	5.0		
	Water pressure Max.	MPa	2.0		
Optional parts	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		
		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G	

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 WY (Heat Pump) Series PQHY-P YLM-A



► Specifications

Model	PQHY-P500YLM-A		PQHY-P550YLM-A		PQHY-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	50~130% of heat source unit capacity		50~130% of heat source unit capacity		
	Model / Quantity	P15~P250/1~43		P15~P250/2~47		
Sound pressure level (measured in anechoic room)	dB <A>	54		56.5		
Refrigerant piping diameter	Liquid pipe	15.88 (5/8) Brazed		15.88 (5/8) Brazed		
	Gas pipe	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ / h	7.20	11.52	11.52	
		L/min	120	192	192	
	Pressure drop	cfm	4.2	6.8	6.8	
		kPa	44	45	45	
	Operating volume range	m ³ / h	4.5 ~ 11.6		6.0 ~ 14.4	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW		15.0		
	Case heater	kW		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		
	in.	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 11.7 kg (26 lbs)		
Net weight	kg (lbs)	217 (479)		246 (543)		
Heat exchanger			plate type		plate type	
	Water volume in plate	L	5.0		10.0	
	Water pressure Max.	MPa	2.0		2.0	
Optional parts	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G	

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 WY (Heat Pump) Series PQHY-P YSLM-A



► Specifications

Model		PQHY-P400YSLM-A		PQHY-P450YSLM-A		PQHY-P500YSLM-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	45.0	50.0	56.0	50,000	56,000	
		kcal / h	40,000	45,000	50,000	191,100	191,100	
	*1	BTU / h	153,500	170,600	191,100	170,600	191,100	
		Power input	kW	7.70	8.78	10.12	10.12	10.12
		Current input	A	12.9-12.3-11.9	14.8-14.0-13.5	17.0-16.2-15.6	17.0-16.2-15.6	17.0-16.2-15.6
	EER	kW / kW	5.84	5.69	5.53	5.53	5.53	
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)	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)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Heating capacity (Nominal)	*2	kW	50.0	56.0	63.0	55,000	63,000	
		kcal / h	45,000	50,000	55,000	215,000	215,000	
	*2	BTU / h	170,600	191,100	215,000	191,100	215,000	
		Power input	kW	7.94	8.97	10.16	10.16	10.16
		Current input	A	13.4-12.7-12.2	15.1-14.3-13.8	17.1-16.2-15.7	17.1-16.2-15.7	17.1-16.2-15.7
	COP	kW / kW	6.29	6.24	6.20	6.20	6.20	
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)	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)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	
Indoor unit connectable	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity	
	Model / Quantity		P15~P250/1~34	P15~P250/1~39	P15~P250/1~43	P15~P250/1~43	P15~P250/1~43	
Sound pressure level (measured in anechoic room)		dB <A>	49	50	51	51	51	
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	

Set Model		PQHY-P200YLM-A	PQHY-P200YLM-A	PQHY-P250YLM-A	PQHY-P200YLM-A	PQHY-P250YLM-A	PQHY-P250YLM-A	
Circulating water	Water flow rate	m ³ / h	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76	5.76 + 5.76	
		L/min	96 + 96	96 + 96	96 + 96	96 + 96	96 + 96	
		cfm	3.4 + 3.4	3.4 + 3.4	3.4 + 3.4	3.4 + 3.4	3.4 + 3.4	
	Pressure drop	kPa	24	24	24	24	24	
	Operating volume range	m ³ / h	3.0 + 3.0 ~ 7.2 + 7.2	3.0 + 3.0 ~ 7.2 + 7.2	3.0 + 3.0 ~ 7.2 + 7.2	3.0 + 3.0 ~ 7.2 + 7.2	3.0 + 3.0 ~ 7.2 + 7.2	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	4.8	4.8	6.2	4.8	6.2	6.2
	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	1,100 x 880 x 550	1,100 x 880 x 550	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	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	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)		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 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	
Net weight	kg (lbs)	174 (384)	174 (384)	174 (384)	174 (384)	174 (384)	174 (384)	
Heat exchanger		plate type		plate type		plate type		
	Water volume in plate	L	5.0	5.0	5.0	5.0	5.0	
	Water pressure Max.	MPa	2.0	2.0	2.0	2.0	2.0	
Optional parts		Heat Source Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G		

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 WY (Heat Pump) Series PQHY-P YSLM-A



► Specifications

Model		PQHY-P550YSLM-A		PQHY-P600YSLM-A		PQHY-P700YSLM-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	63.0	69.0	80.0									
	*1	kcal / h	55,000	60,000	68,800									
		BTU / h	215,000	235,400	273,000									
		Power input	kW	11.55	12.84	14.73								
	Current input	A	19.4-18.5-17.8	21.6-20.5-19.8	24.8-23.6-22.7									
EER	kW / kW	5.45	5.37	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)	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	69.0	76.5	88.0									
	*2	kcal / h	60,000	65,800	75,700									
		BTU / h	235,400	261,000	300,300									
		Power input	kW	11.31	12.75	14.73								
	Current input	A	19.0-18.1-17.4	21.5-20.4-19.7	24.8-23.6-22.7									
COP	kW / kW	6.10	6.00	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)	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		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity									
	Model / Quantity		P15~P250/2~47	P15~P250/2~50	P15~P250/2~50									
Sound pressure level (measured in anechoic room)			55	57	55									
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed									
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed									
Set Model														
Model		PQHY-P300YLM-A		PQHY-P250YLM-A		PQHY-P300YLM-A		PQHY-P300YLM-A		PQHY-P350YLM-A		PQHY-P350YLM-A		
Circulating water	Water flow rate	m ³ / h	5.76 + 5.76		5.76 + 5.76		7.20 + 7.20		7.20 + 7.20		7.20 + 7.20		7.20 + 7.20	
		L/min	96 + 96		96 + 96		120 + 120		120 + 120		120 + 120		120 + 120	
		cfm	3.4 + 3.4		3.4 + 3.4		4.2 + 4.2		4.2 + 4.2		4.2 + 4.2		4.2 + 4.2	
	Pressure drop	kPa	24	24	24	24	44	44	44	44	44	44	44	44
	Operating volume range	m ³ / h	3.0 + 3.0 ~ 7.2 + 7.2		3.0 + 3.0 ~ 7.2 + 7.2		4.5 + 4.5 ~ 11.6 + 11.6		4.5 + 4.5 ~ 11.6 + 11.6		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				Inverter scroll hermetic compressor				
	Starting method	Inverter				Inverter				Inverter				
	Motor output	7.7		6.2		7.7		7.7		9.5		9.5		
	Case heater	-				-				-				
External finish	Galvanized steel sheets													
External dimension HxWxD	mm	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	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.	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	43-5/16 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	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	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 5.0 kg (12 lbs)		R410A x 5.0 kg (12 lbs)		R410A x 5.0 kg (12 lbs)		R410A x 5.0 kg (12 lbs)		R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)		
Net weight	kg (lbs)	174 (384)		174 (384)		174 (384)		174 (384)		217 (479)		217 (479)		
Heat exchanger		plate type												
	Water volume in plate	L	5.0		5.0		5.0		5.0		5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0		2.0		2.0		2.0		2.0	
Optional parts		Heat Source Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G				Heat Source Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G				Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G				

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 WY (Heat Pump) Series PQHY-P YSLM-A



► Specifications

Model	PQHY-P750YSLM-A		PQHY-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	
		kcal / h	73,100	
	*1	BTU / h	290,000	
		Power input	15.64	
		Current input	26.4-25.0-24.1	
EER		kW / kW	5.43	
	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	95.0	
		kcal / h	81,700	
	*2	BTU / h	324,100	
		Power input	15.90	
		Current input	26.8-25.4-24.5	
COP		kW / kW	5.97	
	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	50~130% of heat source unit capacity		
	Model / Quantity	P15~P250/2~50		
Sound pressure level (measured in anechoic room)	dB <A>	55		
Refrigerant piping diameter	Liquid pipe	19.05 (3/4) Brazed		
	Gas pipe	34.93 (1-3/8) Brazed		

Set Model		PQHY-P400YLM-A	PQHY-P350YLM-A	PQHY-P400YLM-A	PQHY-P400YLM-A	
Circulating water	Water flow rate	m ³ / 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 ³ / 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		
	Motor output	kW	10.7	9.5	10.7	10.7
	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		
	in.	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)		
Net weight	kg (lbs)	217 (479)		217 (479)		
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-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		

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 WY (Heat Pump) Series PQHY-P YSLM-A



► Specifications

Model		PQHY-P850YSLM-A		PQHY-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		
	*1	kcal / h	82,600	86,900		
		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		
	*2	kcal / h	92,900	97,200		
		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	50~130% of heat source unit capacity		50~130% 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	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed		
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed		
Set Model						
Model		PQHY-P450YLM-A		PQHY-P400YLM-A		
Circulating water	Water flow rate	m ³ / 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 ³ / 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	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)	217 (479)	217 (479)	217 (479)	217 (479)	
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-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G			

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.

