

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



► Specifications

Model	PQRY-P200YHM-A		PQRY-P250YHM-A		PQRY-P300YHM-A	
Power source	3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	22.4	28.0	33.5	
	*1	BTU / h	76,400	95,500	114,300	
		Power input	kW	3.96	5.51	7.44
		Current input	A	6.6-6.3-6.1	9.3-8.8-8.5	12.5-11.9-11.5
Temp. range of cooling		COP	kW / kW	5.65	5.08	4.50
	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	
	*2	BTU / h	85,300	107,500	128,000	
		Power input	kW	4.12	5.80	8.15
		Current input	A	6.9-6.6-6.3	9.7-9.3-8.9	13.7-13.0-12.5
Temp. range of heating		COP	kW / kW	6.06	5.43	4.60
	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>	47	49	50	
Refrigerant piping diameter [O.D.]	High pressure	mm (in.)	15.88(5/8) Braze	19.05(3/4) Braze	19.05(3/4) Braze	
	Low pressure	mm (in.)	19.05(3/4) Braze	22.2(7/8) Braze	22.2(7/8) Braze	
Circulating water	Water flow rate	m ³ / h	5.76	5.76	5.76	
		L/min	96	96	96	
	Pressure drop	cfm	3.4	3.4	3.4	
		kPa	17	17	17	
Operating volume range	m ³ / h	4.5 ~ 7.2		4.5 ~ 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW	4.6	6.3	7.4	
	Case heater	kW	0.035(240 V)	0.035(240 V)	0.035(240 V)	
External finish	Acrylic painted steel plate		Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD	mm	1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		
	in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (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 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		
Net weight	kg (lbs)	181(400)		181(400)		
Heat exchanger		plate type	plate type		plate type	
	Water volume in plate	L	5.0		5.0	
	Water pressure Max. ★	MPa	1.0		1.0	
Optional parts	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1	

★ It will be 2.0MPa as standard from October 2010.

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)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C D.B.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

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



► Specifications

Model	PQRY-P400YSHM-A		PQRY-P450YSHM-A		PQRY-P500YSHM-A	
Power source	3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	45.0	50.0	56.0	
	*1	BTU / h	153,500	170,600	191,100	
		Power input	kW	8.32	9.94	11.57
		Current input	A	14.0-13.3-12.8	16.7-15.9-15.3	19.5-18.5-17.8
Temp. range of cooling		COP	kW / kW	5.40	5.03	4.84
	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	50.0	56.0	63.0	
	*2	BTU / h	170,600	191,100	215,000	
		Power input	kW	8.65	10.42	12.06
		Current input	A	14.6-13.8-13.3	17.5-16.7-16.1	20.3-19.3-18.6
Temp. range of heating		COP	kW / kW	5.78	5.37	5.22
	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 / 1-40		P15-P250 / 1-45		
Sound pressure level (measured in anechoic room)		dB <A>	50	51	52	
Refrigerant piping diameter [O.D.]	High pressure	mm (in.)	22.2(7/8) Braze	22.2(7/8) Braze	22.2(7/8) Braze	
	Low pressure	mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze	28.58(1-1/8) Braze	
Set Model	PQRY-P200YHM-A		PQRY-P200YHM-A	PQRY-P250YHM-A	PQRY-P200YHM-A	PQRY-P250YHM-A
Circulating water	Water flow rate	m ³ / h	5.76 + 5.76		5.76 + 5.76	
		L/min	96 + 96		96 + 96	
	Pressure drop	cfm	3.4 + 3.4		3.4 + 3.4	
		kPa	17	17	17	17
Operating volume range	m ³ / h	4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW	4.6	6.3	4.6	6.3
	Case heater	kW	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)
External finish	Acrylic painted steel plate		Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD	mm	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550
	in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (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 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		
Net weight	kg (lbs)	181(400)		181(400)		
Heat exchanger		plate type	plate type		plate type	
	Water volume in plate	L	5.0		5.0	
	Water pressure Max. ★	MPa	1.0		1.0	
Optional parts	Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1	

★ It will be 2.0MPa as standard from October 2010.

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)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C D.B.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

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



► Specifications

Model	PQRY-P200YHM-A		PQRY-P250YHM-A		PQRY-P300YHM-A	
Power source	3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	22.4	28.0	33.5	
	*1	BTU / h	76,400	95,500	114,300	
		Power input	kW	3.96	5.51	7.44
		Current input	A	6.6-6.3-6.1	9.3-8.8-8.5	12.5-11.9-11.5
Temp. range of cooling		COP	kW / kW	5.65	5.08	4.50
	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	
	*2	BTU / h	85,300	107,500	128,000	
		Power input	kW	4.12	5.80	8.15
		Current input	A	6.9-6.6-6.3	9.7-9.3-8.9	13.7-13.0-12.5
Temp. range of heating		COP	kW / kW	6.06	5.43	4.60
	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>	47		49		
Refrigerant piping diameter [O.D.]	High pressure	mm (in.) 15.88(5/8) Braze		19.05(3/4) Braze		
	Low pressure	mm (in.) 19.05(3/4) Braze		22.2(7/8) Braze		
Circulating water	Water flow rate	m ³ / h	5.76		5.76	
		L/min	96		96	
	Pressure drop	cfm	3.4		3.4	
		kPa	17		17	
Operating volume range	m ³ / h	4.5 ~ 7.2		4.5 ~ 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW 4.6		6.3		
	Case heater	kW 0.035(240 V)		0.035(240 V)		
External finish		Acrylic painted steel plate		Acrylic painted steel plate		
External dimension HxWxD	mm	1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		
	in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (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 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		
Net weight	kg (lbs)	181(400)		181(400)		
Heat exchanger		plate type		plate type		
	Water volume in plate	L	5.0		5.0	
	Water pressure Max. ★	MPa	1.0		1.0	
Optional parts		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		

★ It will be 2.0MPa as standard from October 2010.

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)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C D.B.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

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



► Specifications

Model	PQRY-P400YSHM-A		PQRY-P450YSHM-A		PQRY-P500YSHM-A	
Power source	3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	45.0	50.0	56.0	
	*1	BTU / h	153,500	170,600	191,100	
		Power input	kW	8.32	9.94	11.57
		Current input	A	14.0-13.3-12.8	16.7-15.9-15.3	19.5-18.5-17.8
Temp. range of cooling		COP	kW / kW	5.40	5.03	4.84
	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	50.0	56.0	63.0	
	*2	BTU / h	170,600	191,100	215,000	
		Power input	kW	8.65	10.42	12.06
		Current input	A	14.6-13.8-13.3	17.5-16.7-16.1	20.3-19.3-18.6
Temp. range of heating		COP	kW / kW	5.78	5.37	5.22
	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 / 1-40		P15-P250 / 1-45		
Sound pressure level (measured in anechoic room)	dB <A>	50		51		
Refrigerant piping diameter [O.D.]	High pressure	mm (in.) 22.2(7/8) Braze		22.2(7/8) Braze		
	Low pressure	mm (in.) 28.58(1-1/8) Braze		28.58(1-1/8) Braze		
Set Model		P15-P250 / 1-40		P15-P250 / 1-50 (Connectable branch pipe number is max. 48.)		
Circulating water	Water flow rate	m ³ / h	5.76 + 5.76		5.76 + 5.76	
		L/min	96 + 96		96 + 96	
	Pressure drop	cfm	3.4 + 3.4		3.4 + 3.4	
		kPa	17		17	
Operating volume range	m ³ / h	4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW 4.6		6.3		
	Case heater	kW 0.035(240 V)		0.035(240 V)		
External finish		Acrylic painted steel plate		Acrylic painted steel plate		
External dimension HxWxD	mm	1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		
	in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (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 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		
Net weight	kg (lbs)	181(400)		181(400)		
Heat exchanger		plate type		plate type		
	Water volume in plate	L	5.0		5.0	
	Water pressure Max. ★	MPa	1.0		1.0	
Optional parts		Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J1		

★ It will be 2.0MPa as standard from October 2010.

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)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C D.B.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

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



► Specifications

Model		PQRY-P550YSHM-A		PQRY-P600YSHM-A							
Power source		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz							
Cooling capacity (Nominal)	*1 kW	63.0		69.0							
	*1 BTU / h	215,000		235,400							
	Power input kW	13.60		15.62							
	Current input A	22.9-21.8-21.0		26.3-25.0-24.1							
COP		4.63		4.41							
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	69.0		76.5							
	*2 BTU / h	235,400		261,000							
	Power input kW	14.65		17.12							
	Current input A	24.7-23.4-22.6		28.9-27.4-26.4							
COP		4.70		4.46							
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		50~150 % of heat source unit capacity		50~150 % of heat source unit capacity							
Model / Quantity		P15~P250 / 2~50 (Connectable branch pipe number is max. 48.)		P15~P250 / 2~50 (Connectable branch pipe number is max. 48.)							
Sound pressure level (measured in anechoic room)		52.5		53							
Refrigerant piping diameter [O.D.]	High pressure	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed							
	Low pressure	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed							
Set Model											
Model		PQRY-P300YHM-A		PQRY-P250YHM-A		PQRY-P300YHM-A		PQRY-P300YHM-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		
		L/min	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			
	Pressure drop	17		17		17		17			
Operating volume range		m ³ / h		4.5 + 4.5 - 7.2 + 7.2		4.5 + 4.5 - 7.2 + 7.2		4.5 + 4.5 - 7.2 + 7.2			
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method		Inverter		Inverter		Inverter		Inverter		
	Motor output		7.4		6.3		7.4		7.4		
	Case heater		0.035(240 V)		0.035(240 V)		0.035(240 V)		0.035(240 V)		
External finish		Acrylic painted steel plate				Acrylic painted steel plate					
External dimension HxWxD		mm	1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550		
		in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP)		Over-heat protection, Over-current protection		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		Over-heat protection		
Refrigerant		Type x original charge		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)	
Net weight		kg (lbs)		181(400)		181(400)		181(400)		181(400)	
Heat exchanger		plate type		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	1.0		1.0		1.0		1.0	
Optional parts		Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J1				Heat Source Twinning kit: CMY-Q100VBK Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J1					

★It will be 2.0MPa as standard from October 2010.

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)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C D.B.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1,*2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit