

OUTDOOR UNITS

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1. SPECIFICATIONS

G10 2nd

Model			PURY-P200YJM-A(-BS)	PURY-P250YJM-A(-BS)	
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	22.4	28.0	
	*1	kcal / h	19,300	24,100	
	*1	BTU / h	76,400	95,500	
		Power input	kW	5.18	7.05
		Current input	A	8.7-8.3-8.0	11.9-11.3-10.8
		EER	kW / kW	4.32	3.97
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)	
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)	*2	kW	25.0	31.5	
	*2	kcal / h	21,500	27,100	
	*2	BTU / h	85,300	107,500	
		Power input	kW	5.69	7.32
		Current input	A	9.6-9.1-8.7	12.3-11.7-11.3
		COP	kW / kW	4.39	4.30
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity	50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 1~20	P15~P250 / 1~25	
Sound pressure level (measured in anechoic room)		dB <A>	56	57	
Power pressure level (measured in anechoic room)		dB <A>	76	77	
Refrigerant	High pressure	mm (in.)	15.88(5/8) Brazed	19.05(3/4) Brazed	
piping diameter	Low pressure	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ / min	185	185	
		L/s	3,083	3,083	
		cfm	6,532	6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	
Compressor	*4 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter	
	Motor output	kW	5.4	6.8	
	Case heater	kW	0.035(240 V)	0.035(240 V)	
Lubricant		MEL32	MEL32		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	
	Fan motor		Thermal switch	Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)	R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller	
Net weight		kg (lbs)	240(530)	240(530)	
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G046	WKD94G046	
	Wiring		WYN B0-7952	WYN B0-7952	
Standard attachment	Document		Installation Manual	Installation Manual	
	Accessory			Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-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-G2,CMY-Y102LS-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	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P300YJM-A(-BS)		PURY-P350YJM-A(-BS)			
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	33.5		40.0			
	*1	kcal / h	28,800		34,400			
	*1	BTU / h	114,300		136,500			
		Power input	kW	8.67		11.33		
		Current input	A	14.6-13.9-13.4		19.1-18.1-17.5		
		EER	kW / kW		3.86		3.53	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)		15.0~24.0°C(59~75°F)			
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)		-5.0~46.0°C(23~115°F)			
Heating capacity (Nominal)	*2	kW	37.5		45.0			
	*2	kcal / h	32,300		38,700			
	*2	BTU / h	128,000		153,500			
		Power input	kW	8.78		10.89		
		Current input	A	14.8-14.0-13.5		18.3-17.4-16.8		
		COP	kW / kW		4.27		4.13	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)		15.0~27.0°C(59~81°F)			
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)		-20.0~15.5°C(-4~60°F)			
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity		50~150 % of outdoor unit capacity			
	Model / Quantity		P15~P250 / 1~30		P15~P250 / 1~35			
Sound pressure level (measured in anechoic room)			dB <A>	59	60			
Power pressure level (measured in anechoic room)			dB <A>	79	80			
Refrigerant piping diameter	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed			
	Low pressure	mm (in.)	22.2(7/8) Brazed		28.58(1-1/8) Brazed			
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1			
	Air flow rate	m ³ / min	185		225			
		L/s	3,083		3,750			
		cfm	6,532		7,945			
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 1		0.92 x 1			
Compressor	*4 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter		Inverter			
	Motor output	kW	7.8		9.9			
	Case heater	kW	0.045(240 V)		0.045(240 V)			
Lubricant			MEL32		MEL32			
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760			
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16			
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection		Over-heat protection			
	Fan motor		Thermal switch		Thermal switch			
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 11.8kg (27lbs)			
	Control		Indoor LEV and BC controller		Indoor LEV and BC controller			
Net weight		kg (lbs)	245(541)		270(596)			
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)			-		-			
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G046		WKD94G047			
	Wiring		WYN B0-7952		WYN B0-7952			
Standard attachment	Document		Installation Manual		Installation Manual			
	Accessory		Refrigerant conn. pipe		Refrigerant conn. pipe			
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-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-G2,CMY-Y102LS-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			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.			

Notes:	Unit converter
1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	kcal/h =kW x 860 BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 lbs =kg/0.4536
2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.	*Above specification data is subject to rounding variation.
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P400YJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	45.0		
		kcal / h	38,700		
		BTU / h	153,500		
	Power input	kW	13.55		
	Current input	A	22.8-21.7-20.9		
	EER	kW / kW	3.32		
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)		
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)		
Heating capacity (Nominal)	*2	kW	50.0		
		kcal / h	43,000		
		BTU / h	170,600		
	Power input	kW	12.75		
	Current input	A	21.5-20.4-19.7		
	COP	kW / kW	3.92		
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)		
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)		
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity		
	Model / Quantity		P15~P250 / 1~40		
Sound pressure level (measured in anechoic room)		dB <A>	61		
Power pressure level (measured in anechoic room)		dB <A>	81		
Refrigerant piping diameter	High pressure	mm (in.)	22.2(7/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		
FAN	Type x Quantity		Propeller fan x 1		
	Air flow rate	m ³ / min	225		
		L/s	3,750		
		cfm	7,945		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1		
	*4 External static press.		0 Pa (0 mmH ₂ O)		
	Compressor	Type x Quantity		Inverter scroll hermetic compressor	
Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION			
Starting method		Inverter			
Motor output		kW	10.2		
Case heater		kW	0.045(240 V)		
Lubricant		MEL32			
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760		
		in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)		
	Control		Indoor LEV and BC controller		
Net weight		kg (lbs)	270(596)		
Heat exchanger			Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			-		
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G047		
	Wiring		WYN B0-7952		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.		

Notes:	Unit converter
1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	kcal/h =kW x 860 BTU/h =kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	cfm =m³/min x 35.31 lbs =kg/0.4536
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.	*Above specification data is subject to rounding variation.
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P400YSJM-A1(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	45.0		
		kcal / h	38,700		
		BTU / h	153,500		
		Power input	kW	10.73	
		Current input	A	18.1-17.2-16.5	
		EER	kW / kW	4.19	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	50.0	
	kcal / h		43,000		
	BTU / h		170,600		
		Power input	kW	11.62	
		Current input	A	19.6-18.6-17.9	
		COP	kW / kW	4.30	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 1~40		
Sound pressure level (measured in anechoic room)			dB <A>		59
Power pressure level (measured in anechoic room)			dB <A>		79
Refrigerant piping diameter	High pressure	mm (in.)	22.2(7/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		

Model			PURY-P200YJM-A(-BS)		PURY-P200YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
	*4	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.4		5.4	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		240(530)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	15.88(5/8) Brazed		15.88(5/8) Brazed	
	Low pressure	mm (in.)	19.05(3/4) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory					
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.				
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P450YJM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	50.0	
	*1	kcal / h	43,000	
	*1	BTU / h	170,600	
		Power input	kW	14.49
		Current input	A	24.4-23.2-22.3
		EER	kW / kW	3.45
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)	
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)	*2	kW	56.0	
	*2	kcal / h	48,200	
	*2	BTU / h	191,100	
		Power input	kW	14.58
		Current input	A	24.6-23.3-22.5
		COP	kW / kW	3.84
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)	
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 1~45	
Sound pressure level (measured in anechoic room)		dB <A>	62	
Power pressure level (measured in anechoic room)		dB <A>	82	
Refrigerant	High pressure	mm (in.)	22.2(7/8) Brazed	
piping diameter	Low pressure	mm (in.)	28.58(1-1/8) Brazed	
FAN	Type x Quantity		Propeller fan x 2	
	Air flow rate	m ³ / min	360	
		L/s	6,000	
		cfm	12,712	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 2	
	*4	External static press.		0 Pa (0 mmH ₂ O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	11.6	
	Case heater	kW	0.045(240 V)	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,750 x 760	
		in.	67-3/8(65 without legs) x 68-15/16 x 29-15/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	320(706)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G048	
	Wiring		WYN B0-7952	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P450YSJM-A1(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	50.0		
		kcal / h	43,000		
		BTU / h	170,600		
		Power input	kW	12.50	
		Current input	A	21.1-20.0-19.3	
		EER	kW / kW	4.00	
Temp. range of cooling	*3	Indoor	W.B.		15.0~24.0°C(59~75°F)
		Outdoor	D.B.		-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	56.0		
		kcal / h	48,200		
		BTU / h	191,100		
		Power input	kW	13.30	
		Current input	A	22.4-21.3-20.5	
		COP	kW / kW	4.21	
Temp. range of heating	*3	Indoor	D.B.		15.0~27.0°C(59~81°F)
		Outdoor	W.B.		-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity		
	Model / Quantity		P15~P250 / 1~45		
Sound pressure level (measured in anechoic room)		dB <A>	59.5		
Power pressure level (measured in anechoic room)		dB <A>	79.5		
Refrigerant piping diameter	High pressure	mm (in.)	22.2(7/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		

Model			PURY-P200YJM-A(-BS)		PURY-P250YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
Compressor	*4 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.4		6.8	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
Lubricant		MEL32		MEL32		
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		240(530)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)		-		-		
Pipe between unit and distributor	High pressure	mm (in.)	15.88(5/8) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	19.05(3/4) Brazed		-	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)				
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts		Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1				
Remarks		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.				

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.				
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P500YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	56.0
	*1	kcal / h	48,200
	*1	BTU / h	191,100
	Power input	kW	14.85
	Current input	A	25.0-23.8-22.9
EER			3.77
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	63.0
	*2	kcal / h	54,200
	*2	BTU / h	215,000
	Power input	kW	15.10
	Current input	A	25.4-24.2-23.3
COP			4.17
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)			60
Power pressure level (measured in anechoic room)			80
Refrigerant piping diameter	High pressure	mm (in.)	22.2(7/8) Brazed
	Low pressure	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PURY-P250YJM-A(-BS)		PURY-P250YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.8		6.8	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		240(530)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	22.2(7/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P500YSJM-A1(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	56.0		
		kcal / h	48,200		
		BTU / h	191,100		
		Power input	kW	14.73	
		Current input	A	24.8-23.6-22.7	
		EER	kW / kW	3.80	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	63.0	
	kcal / h		54,200		
	BTU / h		215,000		
		Power input	kW	15.07	
		Current input	A	25.4-24.1-23.2	
		COP	kW / kW	4.18	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 1~50		
Sound pressure level (measured in anechoic room)			dB <A>		
Power pressure level (measured in anechoic room)			dB <A>		
Refrigerant piping diameter	High pressure	mm (in.)	22.2(7/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		

Set Model						
Model			PURY-P200YJM-A(-BS)		PURY-P300YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.4		7.8	
	Case heater	kW	0.035(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		245(541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	15.88(5/8) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	19.05(3/4) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

1. SPECIFICATIONS

G10 2nd

Model			PURY-P550YSJM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	63.0	
	*1	kcal / h	54,200	
	*1	BTU / h	215,000	
		Power input	kW	17.30
		Current input	A	29.2-27.7-26.7
		EER	kW / kW	3.64
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)	
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)	*2	kW	69.0	
	*2	kcal / h	59,300	
	*2	BTU / h	235,400	
		Power input	kW	16.95
		Current input	A	28.6-27.1-26.2
		COP	kW / kW	4.07
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)	
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 2~50	
Sound pressure level (measured in anechoic room)			dB <A>	61
Power pressure level (measured in anechoic room)			dB <A>	81
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed	
	Low pressure	mm (in.)	28.58(1-1/8) Brazed	

Model			PURY-P250YJM-A(-BS)		PURY-P300YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4 External static press.			0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.8		7.8	
	Case heater	kW	0.035(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		245(541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	22.2(7/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:	Unit converter
1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	kcal/h =kW x 860 BTU/h =kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	cfm =m ³ /min x 35.31 lbs =kg/0.4536
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.	*Above specification data is subject to rounding variation.
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P600YSJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	69.0		
		kcal / h	59,300		
		BTU / h	235,400		
		Power input	kW	19.65	
		Current input	A	33.1-31.5-30.3	
		EER	kW / kW	3.51	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)	*2	kW	76.5		
		kcal / h	65,800		
		BTU / h	261,000		
		Power input	kW	19.07	
		Current input	A	32.1-30.5-29.4	
		COP	kW / kW	4.01	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity		
	Model / Quantity		P15~P250 / 2~50		
Sound pressure level (measured in anechoic room)			dB <A>	62	
Power pressure level (measured in anechoic room)			dB <A>	82	
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		

Model			PURY-P300YJM-A(-BS)		PURY-P300YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		185	
		L/s	3,083		3,083	
		cfm	6,532		6,532	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	7.8		7.8	
	Case heater	kW	0.045(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	245(541)		245(541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	22.2(7/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G049			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor units. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			kcal/h =kW x 860	
2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			BTU/h =kW x 3,412	
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.			cfm =m ³ /min x 35.31	
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).			lbs =kg/0.4536	
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P600YSJM-A1(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	69.0
	*1	kcal / h	59,300
	*1	BTU / h	235,400
		Power input	19.16
		Current input	32.3-30.7-29.6
		EER	3.60
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	76.5
	*2	kcal / h	65,800
	*2	BTU / h	261,000
		Power input	18.61
		Current input	31.4-29.8-28.7
		COP	4.11
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 2~50
Sound pressure level (measured in anechoic room)			dB <A> 62
Power pressure level (measured in anechoic room)			dB <A> 82
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed
	Low pressure	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PURY-P250YJM-A(-BS)		PURY-P350YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		225	
		L/s	3,083		3,750	
		cfm	6,532		7,945	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.8		9.9	
	Case heater	kW	0.035(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	240(530)		270(596)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	22.2(7/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G050			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P650YSJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	73.0		
		kcal / h	62,800		
		BTU / h	249,100		
		Power input	kW	21.53	
		Current input	A	36.3-34.5-33.2	
		EER	kW / kW	3.39	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	81.5	
	kcal / h		70,100		
	BTU / h		278,100		
		Power input	kW	20.47	
		Current input	A	34.5-32.8-31.6	
		COP	kW / kW	3.98	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 2~50		
Sound pressure level (measured in anechoic room)			dB <A>	62.5	
Power pressure level (measured in anechoic room)			dB <A>	82.5	
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed		
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		

Model			PURY-P300YJM-A(-BS)		PURY-P350YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	185		225	
		L/s	3,083		3,750	
		cfm	6,532		7,945	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	*4	Motor output	kW	0.92 x 1		0.92 x 1
		External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	7.8		9.9	
	Case heater	kW	0.045(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	245(541)		270(596)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)		-		-		
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	22.2(7/8) Brazed		-	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)				
Drawing	External		WKD94G050			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts		Outdoor Twinning kit: CMY-R100VBK(2) Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1010,1013,1016V-GA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1				
Remarks		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.				

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.				
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P700YSJM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	80.0	
	*1	kcal / h	68,800	
	*1	BTU / h	273,000	
		Power input	kW	23.95
		Current input	A	40.4-38.4-37.0
		EER	kW / kW	3.34
	Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)
*3 Outdoor		D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	88.0
	*2	kcal / h	75,700	
	*2	BTU / h	300,300	
		Power input	kW	22.33
		Current input	A	37.6-35.8-34.5
		COP	kW / kW	3.94
	Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)
*3 Outdoor		W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 2~50	
Sound pressure level (measured in anechoic room)			dB <A> 63	
Power pressure level (measured in anechoic room)			dB <A> 83	
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			PURY-P300YJM-A(-BS)	PURY-P400YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ / min	185	225
		L/s	3,083	3,750
		cfm	6,532	7,945
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1
	*4	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	7.8	10.2
	Case heater	kW	0.045(240 V)	0.045(240 V)
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 920 x 760	
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 9.5kg (21lbs)	R410A x 11.8kg (27lbs)
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	245(541)	270(596)
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
	Low pressure	mm (in.)	22.2(7/8) Brazed	-
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G050	
	Wiring		WYN B0-7953	WYN B0-7953
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.	

Notes:	Unit converter
1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	kcal/h =kW x 860 BTU/h =kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)	cfm =m ³ /min x 35.31 lbs =kg/0.4536
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.	*Above specification data is subject to rounding variation.
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P700YSJM-A1(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	80.0		
		kcal / h	68,800		
		BTU / h	273,000		
		Power input	kW	23.39	
		Current input	A	39.4-37.5-36.1	
		EER	kW / kW	3.42	
Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)	
		Outdoor	D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)	*2	kW	88.0		
		kcal / h	75,700		
		BTU / h	300,300		
		Power input	kW	21.78	
		Current input	A	36.7-34.9-33.6	
		COP	kW / kW	4.04	
Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)	
		Outdoor	W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity		
	Model / Quantity		P15~P250 / 2~50		
Sound pressure level (measured in anechoic room)		dB <A>	63		
Power pressure level (measured in anechoic room)		dB <A>	83		
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			PURY-P350YJM-A(-BS)		PURY-P350YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ / min	225		225	
		L/s	3,750		3,750	
		cfm	7,945		7,945	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1		0.92 x 1	
*4	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.9		9.9	
	Case heater	kW	0.045(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760 67-3/8(65 without legs) x 48-1/16 x 29-15/16		1,710(1,650 without legs) x 1,220 x 760 67-3/8(65 without legs) x 48-1/16 x 29-15/16	
		in.				
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	270(596)		270(596)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G051			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.				
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P750YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	85.0
	*1	kcal / h	73,100
	*1	BTU / h	290,000
	Power input	kW	26.47
	Current input	A	44.6-42.4-40.9
EER			3.21
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	95.0
	*2	kcal / h	81,700
	*2	BTU / h	324,100
	Power input	kW	24.05
	Current input	A	40.6-38.5-37.1
COP			3.95
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 2~50
Sound pressure level (measured in anechoic room)			63.5
Power pressure level (measured in anechoic room)			83.5
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			PURY-P350YJM-A(-BS)	PURY-P400YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ / min	225	225
		L/s	3,750	3,750
		cfm	7,945	7,945
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	*4 Motor output	kW	0.92 x 1	0.92 x 1
External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	9.9	10.2
	Case heater	kW	0.045(240 V)	0.045(240 V)
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760	1,710(1,650 without legs) x 1,220 x 760
		in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16	67-3/8(65 without legs) x 48-1/16 x 29-15/16
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. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	270(596)	270(596)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
	Low pressure	mm (in.)	28.58(1-1/8) Brazed	-
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G051	
	Wiring		WYN B0-7953	WYN B0-7953
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P800YSJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	90.0		
		kcal / h	77,400		
		BTU / h	307,100		
		Power input	kW	28.30	
		Current input	A	47.7-45.3-43.7	
		EER	kW / kW	3.18	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	100.0	
	kcal / h		86,000		
	BTU / h		341,200		
		Power input	kW	26.04	
		Current input	A	43.9-41.7-40.2	
		COP	kW / kW	3.84	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 2~50		
Sound pressure level (measured in anechoic room)			dB <A>	64	
Power pressure level (measured in anechoic room)			dB <A>	84	
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			PURY-P400YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1	
	Air flow rate	m ³ / min	225	
		L/s	3,750	
		cfm	7,945	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	
	*4	External static press.		0 Pa (0 mmH ₂ O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	10.2	
	Case heater	kW	0.045(240 V)	
	Lubricant		MEL32	
	External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760	
		in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	270(596)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2(7/8) Brazed	
	Low pressure	mm (in.)	28.58(1-1/8) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G051	
	Wiring		WYN B0-7953	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor units. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.	

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.			*Above specification data is subject to rounding variation.	
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).				

1. SPECIFICATIONS

G10 2nd

Model			PURY-P800YSJM-A1(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	90.0
	*1	kcal / h	77,400
	*1	BTU / h	307,100
	Power input	kW	26.62
	Current input	A	44.9-42.6-41.1
EER			3.38
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C(59~75°F)
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	100.0
	*2	kcal / h	86,000
	*2	BTU / h	341,200
	Power input	kW	25.77
	Current input	A	43.5-41.3-39.8
COP			3.88
Temp. range of heating	Indoor	D.B.	15.0~27.0°C(59~81°F)
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 2~50
Sound pressure level (measured in anechoic room)			64
Power pressure level (measured in anechoic room)			84
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			PURY-P350YJM-A(-BS)	PURY-P450YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Air flow rate	m ³ / min	225	360
		L/s	3,750	6,000
		cfm	7,945	12,712
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 2
*4 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	9.9	11.6
	Case heater	kW	0.045(240 V)	0.045(240 V)
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760	1,710(1,650 without legs) x 1,750 x 760
		in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16	67-3/8(65 without legs) x 68-15/16 x 29-15/16
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. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	270(596)	320(706)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
	Low pressure	mm (in.)	28.58(1-1/8) Brazed	-
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G052	
	Wiring		WYN B0-7953	WYN B0-7953
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-R100XLVBK Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

G10 2nd

Model			PURY-P850YSJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	96.0		
		kcal / h	82,600		
		BTU / h	327,600		
		Power input	kW	29.26	
		Current input	A	49.3-46.9-45.2	
		EER	kW / kW	3.28	
	Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)
Outdoor			D.B.	-5.0~46.0°C(23~115°F)	
Heating capacity (Nominal)		*2	kW	108.0	
	kcal / h		92,900		
	BTU / h		368,500		
		Power input	kW	28.42	
		Current input	A	47.9-45.5-43.9	
		COP	kW / kW	3.80	
	Temp. range of heating	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)
Outdoor			W.B.	-20.0~15.5°C(-4~60°F)	
Indoor unit connectable		Total capacity		50~150 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 2~50		
Sound pressure level (measured in anechoic room)			dB <A>		
Power pressure level (measured in anechoic room)			dB <A>		
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed		
	Low pressure	mm (in.)	41.28(1-5/8) Brazed		

Model			PURY-P400YJM-A(-BS)		PURY-P450YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m ³ / min	225		360	
		L/s	3,750		6,000	
		cfm	7,945		12,712	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	*4	Motor output	kW	0.92 x 1		0.92 x 2
		External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	10.2		11.6	
	Case heater	kW	0.045(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,750 x 760	
		in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16		67-3/8(65 without legs) x 68-15/16 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	270(596)		320(706)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed	
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G052			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R200XLVBK Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104,108V-GB1,CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:			Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)			kcal/h =kW x 860	
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)			BTU/h =kW x 3,412	
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)			cfm =m ³ /min x 35.31	
2. Nominal heating conditions (subject to JIS B8615-2)			lbs =kg/0.4536	
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)				
3. -5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.				
4. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O).			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

G10 2nd

Model			PURY-P900YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	101.0
	*1	kcal / h	86,900
	*1	BTU / h	344,600
	Power input	kW	30.23
	Current input	A	51.0-48.4-46.7
Temp. range of cooling	EER	kW / kW	3.34
	Indoor	W.B.	15.0~24.0°C(59~75°F)
	*3 Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2	kW	113.0
	*2	kcal / h	97,200
	*2	BTU / h	385,600
	Power input	kW	30.05
	Current input	A	50.7-48.1-46.4
Temp. range of heating	COP	kW / kW	3.76
	Indoor	D.B.	15.0~27.0°C(59~81°F)
	*3 Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit connectable	Total capacity		50~150 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 2~50
Sound pressure level (measured in anechoic room)			dB <A> 65
Power pressure level (measured in anechoic room)			dB <A> 85
Refrigerant piping diameter	High pressure	mm (in.)	28.58(1-1/8) Brazed
	Low pressure	mm (in.)	41.28(1-5/8) Brazed

Set Model

Model			PURY-P450YJM-A(-BS)		PURY-P450YJM-A(-BS)	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	m ³ / min	360		360	
		L/s	6,000		6,000	
		cfm	12,712		12,712	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 2		0.92 x 2	
*4 External static press.			0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	11.6		11.6	
	Case heater	kW	0.045(240 V)		0.045(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,750 x 760		1,710(1,650 without legs) x 1,750 x 760	
		in.	67-3/8(65 without legs) x 68-15/16 x 29-15/16		67-3/8(65 without legs) x 68-15/16 x 29-15/16	
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. / FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	320(706)		320(706)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed	
	Low pressure	mm (in.)	28.58(1-1/8) Brazed		-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKD94G053			
	Wiring		WYN B0-7953		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-R200XLVBK Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit (low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit (low pressure) should be installed in the unit with the largest capacity.			

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)
- 5°CDB. (23°FDB.)/-6°CWB. (21°FWB.) to 21°CDB. (70°FDB.)/15.5°CWB. (60°FWB.) with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

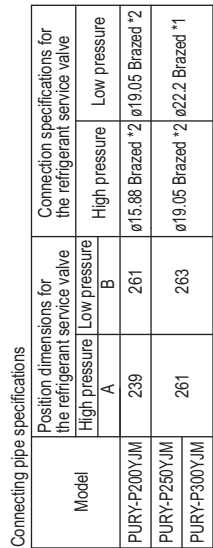
Unit converter

kcal/h	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

G10 2nd

Unit : mm



*1.Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

*2. Expand the field pipes (for bottom piping and front piping) and connect directly to the valve.

NO.	Usage	Specifications
①	Front through hole	140X77 Knockout hole
②	For pipes Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole
③	Bottom through hole	150X92 Knockout hole
④	Front through hole	ø85 or ø40 Knockout hole
⑤	For wires Front through hole	ø52 or ø27 Knockout hole
⑥	Bottom through hole	ø52 Knockout hole
⑦	For transmission cables Front through hole	ø34 Knockout hole

R2

PURY-P200,250,300YJM-A(-BS)

Unit : mm

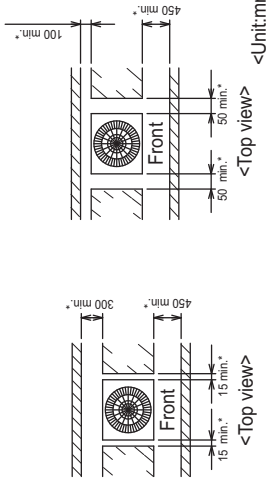
R2

1.Required space around the unit

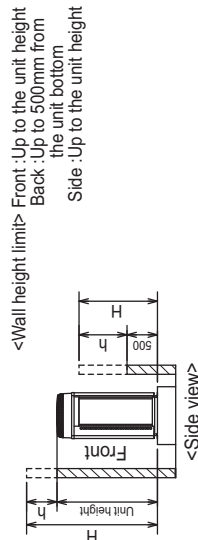
● In case of single installation

- ① Secure enough space around the unit as shown in the figure below.

- With a space of at least 300mm to the wall on the back of the unit



- ② When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

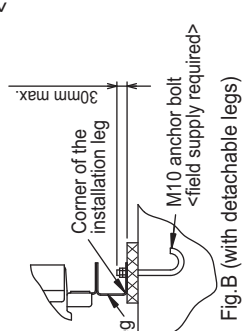
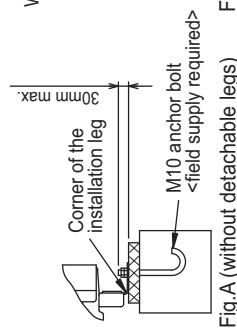
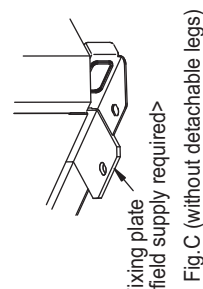
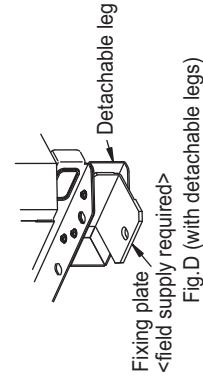
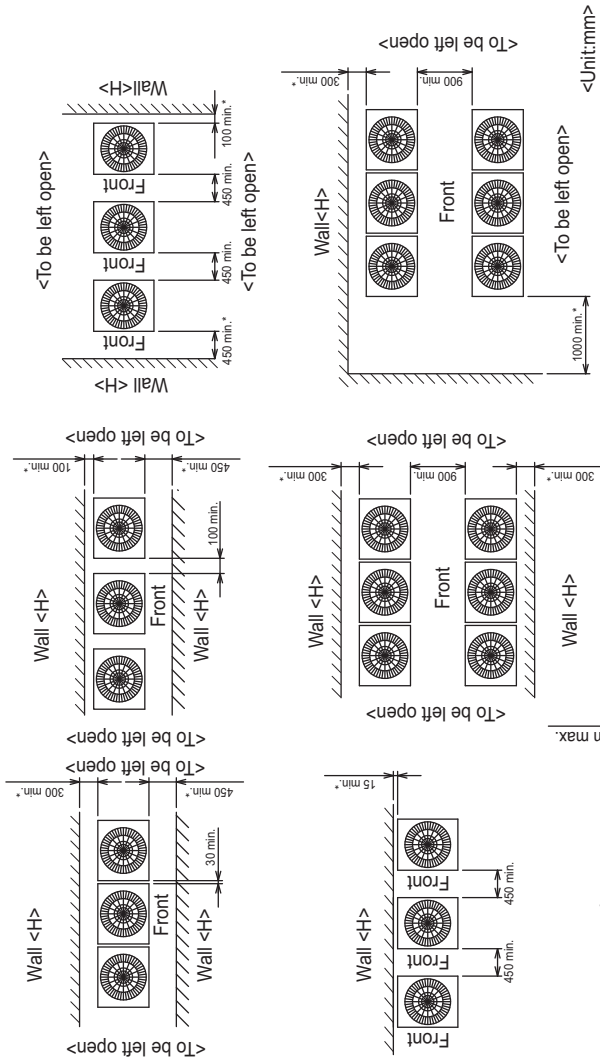


2.Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A, B)
- ③ When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ④ The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A, B)
- ⑤ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C, D)
- ⑥ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑦ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



G10 2nd

Unit : mm



NO.	Usage	Specifications
①	Front through hole	140X77 Knockout hole
②	Front through hole (Uses when turning kit (optional parts) is mounted.)	ø45 Knockout hole
③	Bottom through hole	150X94 Knockout hole
④	Front through hole	ø85 or ø40 Knockout hole
⑤	Front through hole	ø52 or ø27 Knockout hole
⑥	Bottom through hole	ø85 Knockout hole
⑦	For transmission cables	ø34 Knockout hole

Connecting pipe specifications

Model	Connection specifications for the refrigerant service valve	
	High pressure	Low pressure
PURV-P350YJM	Ø19.05 Brazed *1	Ø28.58 Brazed *1
PURV-P400YJM	Ø22.2 Brazed *1	Ø28.58 Brazed *1

*1. Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

PURY-P350,400YJM-A(-BS)

Unit : mm

● In case of collective installation

- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.

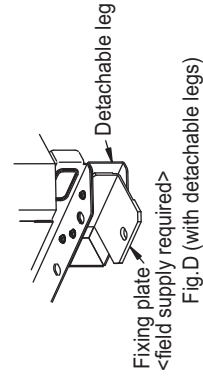
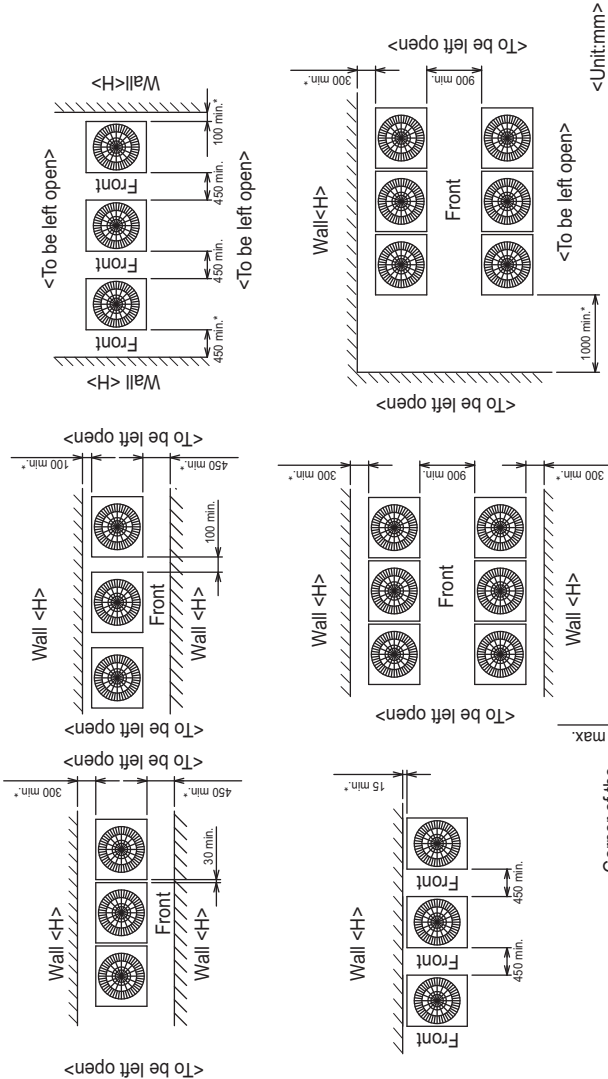


Fig.D (with detachable legs)

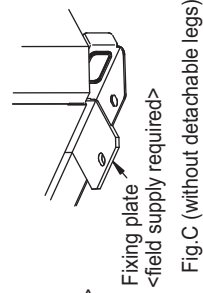


Fig.C (without detachable legs)

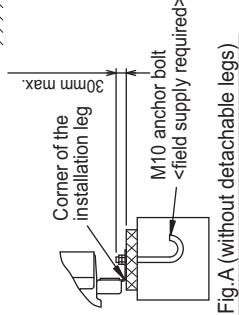


Fig.A (without detachable legs)

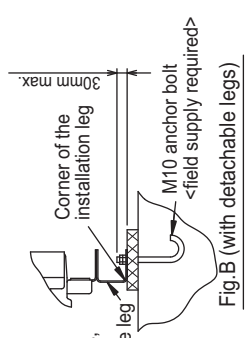
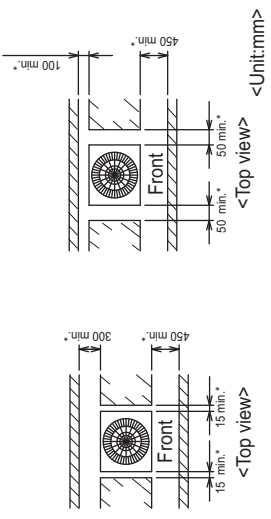


Fig.B (with detachable legs)

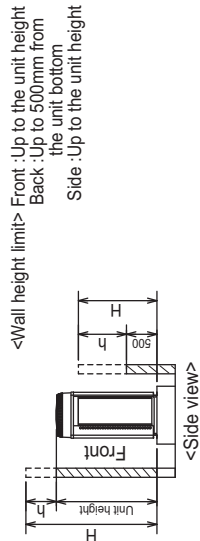
1.Required space around the unit

● In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm to the wall on the back of the unit



- ② When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2.Foundation work

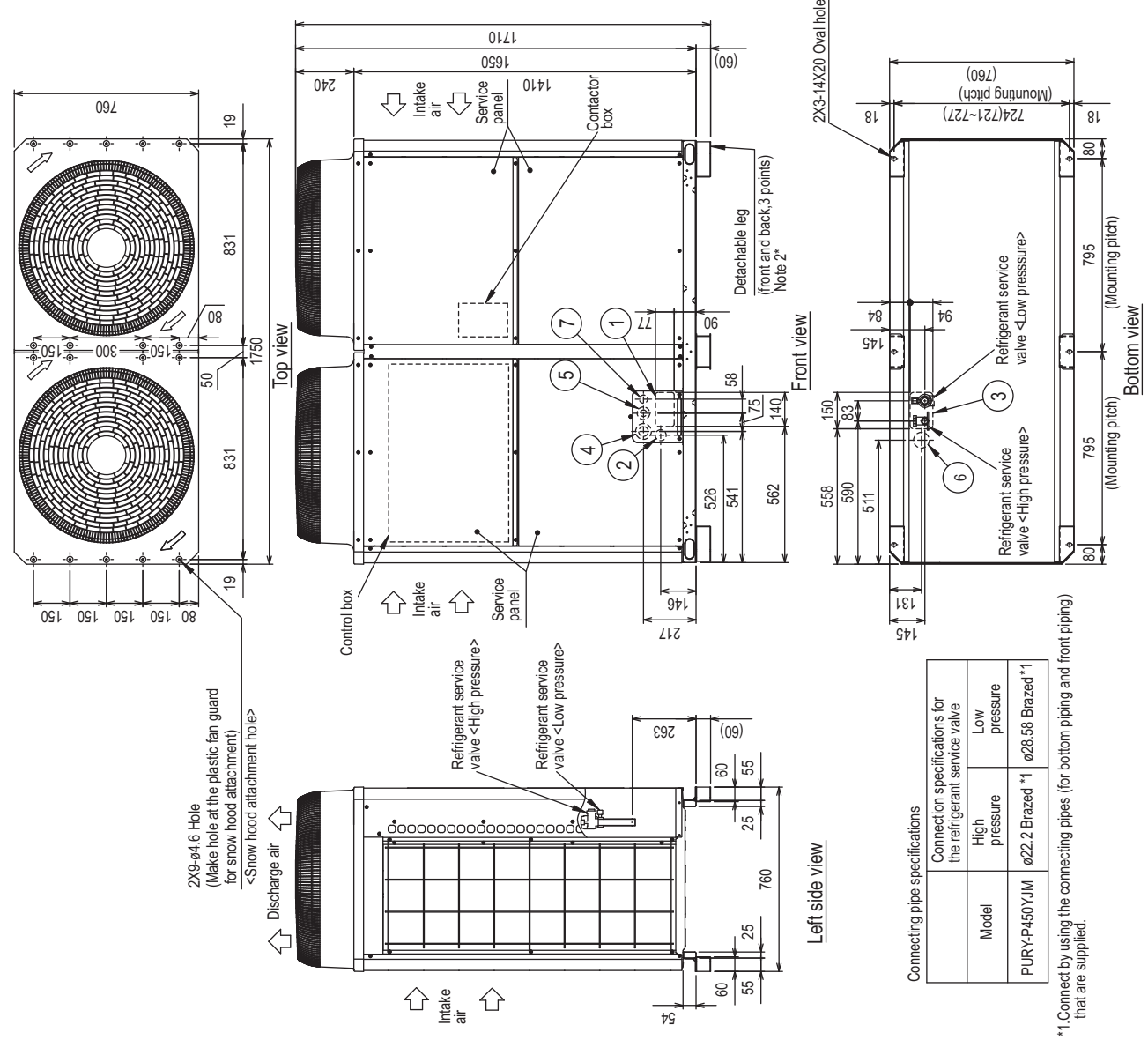
- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
 - <Note that the drain water comes out of the unit during operation.>
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A,B)
 - When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A,B)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C,D)
- ⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

PURY-P450YJM-A(-BS)

Unit : mm

<Accessories>
● Connecting pipe
<Low pressure> · Pipe (IDø28.58XODø28.58) 1 pc.
<High pressure> · Pipe (IDø25.4XIDø22.2) 1 pc.
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. The detachable leg can be removed at site.
3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

NO.	Usage	Specifications
①	Front through hole	140 X 77 Knockout hole
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole
③	Bottom through hole	150 X 94 Knockout hole
④	Front through hole	ø65 or ø40 Knockout hole
⑤	Front through hole	ø52 or ø27 Knockout hole
⑥	Bottom through hole	ø65 Knockout hole
⑦	Front through hole	ø34 Knockout hole



Connecting pipe specifications

Model	High pressure	Low pressure
PURY-P450YJM	ø22.2 Braze *1	ø28.58 Braze *1

*1. Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

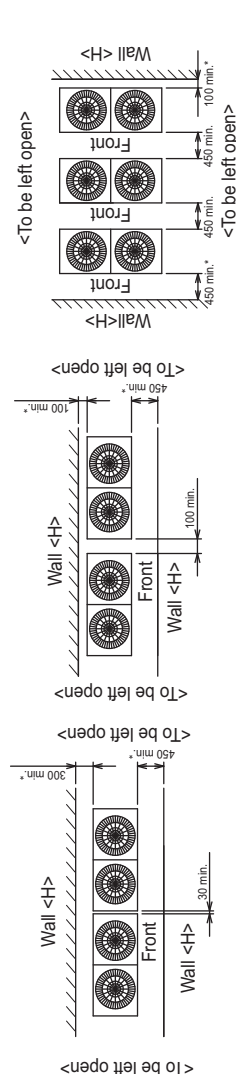
PURY-P450YJM-A(-BS)

Unit : mm

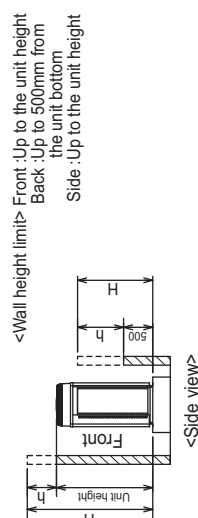
R2

● In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.

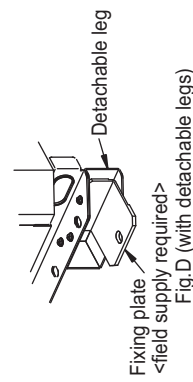
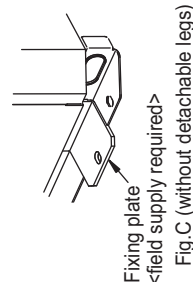
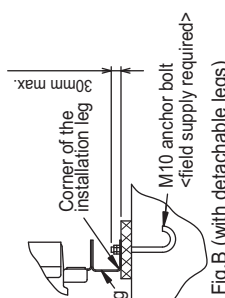
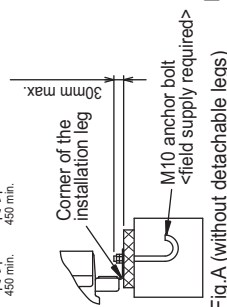


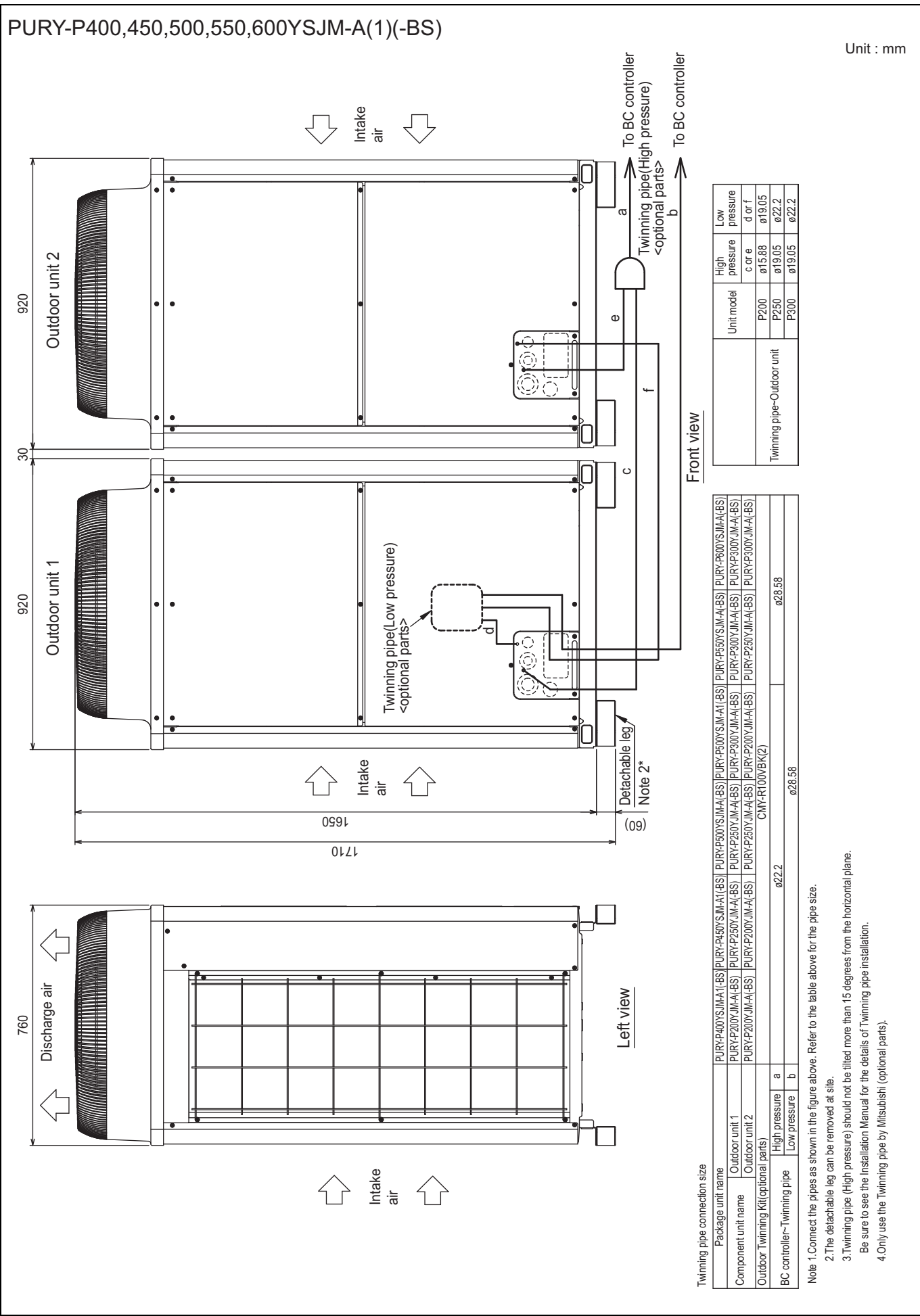
- When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2.Foundation work

- Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<Note that the drain water comes out of the unit during operation.>
- Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A,B)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A,B)
- Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C,D)
- To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.





R2

PURY-P600,650,700YSJM-A(1)(-BS)

Unit : mm

Discharge air

↑

Intake air

↑

Outdoor unit 1

1220

Outdoor unit 2

920

760

1650

1710

30

Intake air

↓

Intake air

↓

Detachable leg
Note 2*

(60)

To BC controller

To BC controller

Left view

Front view

To BC controller

To BC controller

Package unit name

Outdoor unit 1

Outdoor unit 2

Outdoor Twinning Kit(optional parts)

BC controller~Twinning pipe

PURY-P600YSJM-A(1)(-BS)	PURY-P650YSJM-A(1)(-BS)	PURY-P700YSJM-A(1)(-BS)
PURY-P350YSJM-A(1)(-BS)	PURY-P350YSJM-A(1)(-BS)	PURY-P400YSJM-A(1)(-BS)
PURY-P250YSJM-A(1)(-BS)	PURY-P300YSJM-A(1)(-BS)	PURY-P300YSJM-A(1)(-BS)
CMY-R100VBK(2)		
High pressure	a	ø28.58
Low pressure	b	ø28.58
ø34.93		

Unit model	High pressure	Low pressure
P250	ø19.05	d or f
P300	ø19.05	ø22.2
P350	ø19.05	ø22.2
P400	ø22.2	ø28.58

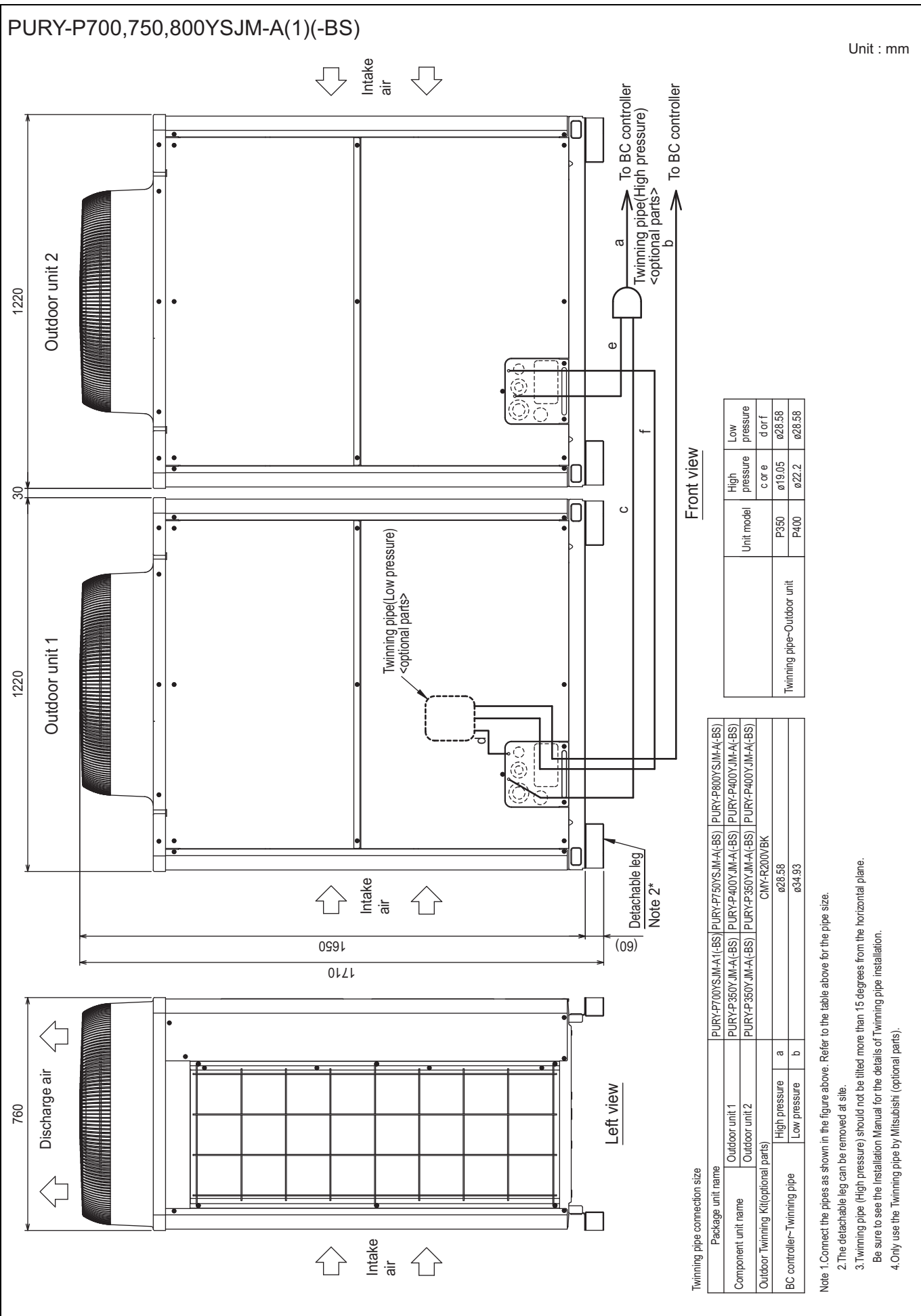
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

Note 2. The detachable leg can be removed at site.

3. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.

Be sure to see the Installation Manual for the details of Twinning pipe installation.

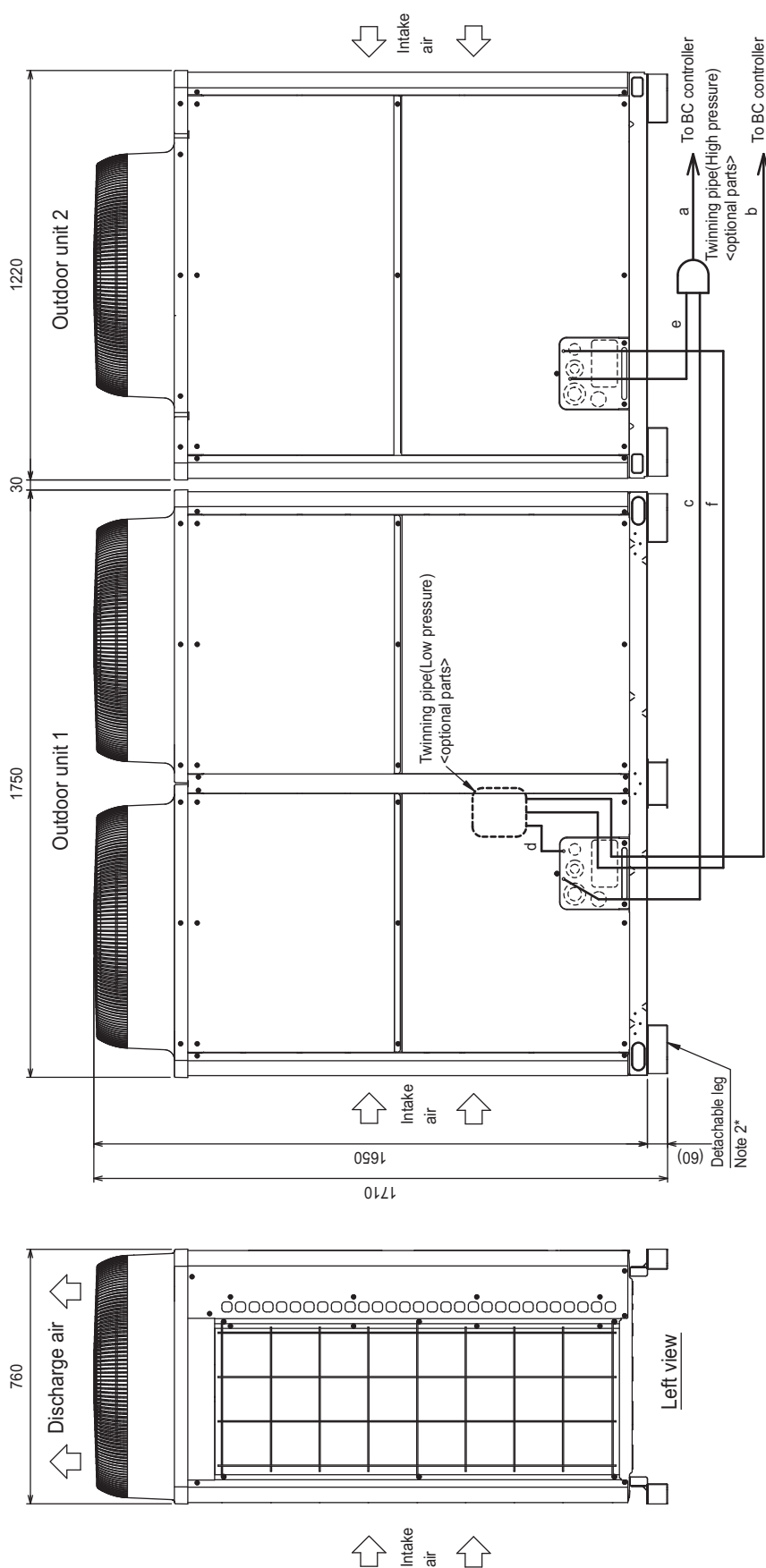
4. Only use the Twinning pipe by Mitsubishi (optional parts).



R2

PURY-P800,850YSJM-A(1)(-BS)

Unit : mm



Front view

	Unit	High pressure	Low pressure
Twinning pipe-Outdoor unit	P350	ø19.05	ø28.58
	P400	ø22.58	ø28.58
	P450	ø22.58	ø28.58
	P500	ø22.58	ø28.58

Twinning pipe connection size

Twinning pipe connection test		Package unit name	PURY-P800YSJM-A(-BS)	PURY-P800YSJM-A(-BS)
Component unit name	Outdoor unit 1	PURY-P450YJM-A(-BS)	PURY-P450YJM-A(-BS)	PURY-P450YJM-A(-BS)
	Outdoor unit 2	PURY-P350YJM-A(-BS)	PURY-P350YJM-A(-BS)	PURY-P400YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-R100XLVBK	CMY-R200XLVBK
High pressure		a	ø28.58	
Low pressure		b	ø34.00	
Twinning pipe			ø41.00	

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

2. The detachable leg can be removed at site.

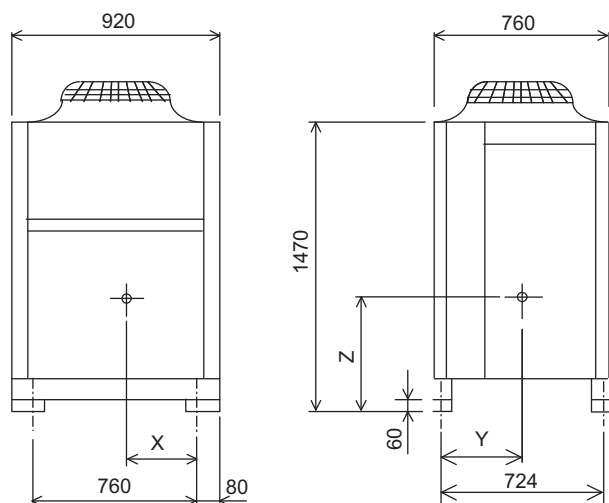
3. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for the details of Twinning pipe installation.

4. Only use the Twinning pipe by Mitsubishi (optional parts).

G10 2nd



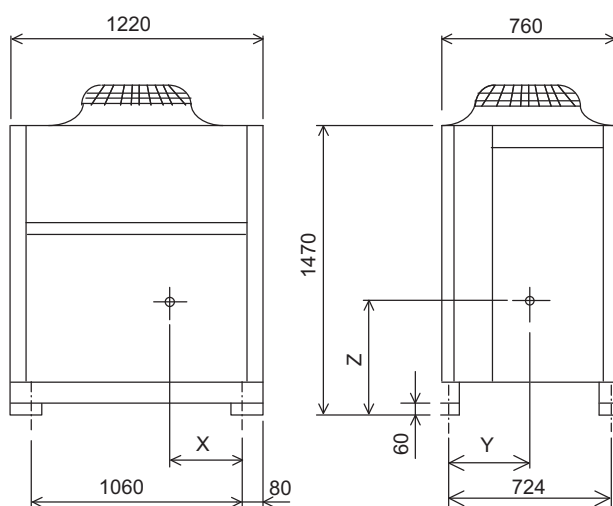
PURY-P200, P250, P300, EP200YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PURY-P200YJM-A (-BS)	345	317	655
PURY-P250YJM-A (-BS)	345	332	655
PURY-P300YJM-A (-BS)	335	327	645
PURY-EP200YJM-A (-BS)	345	332	655

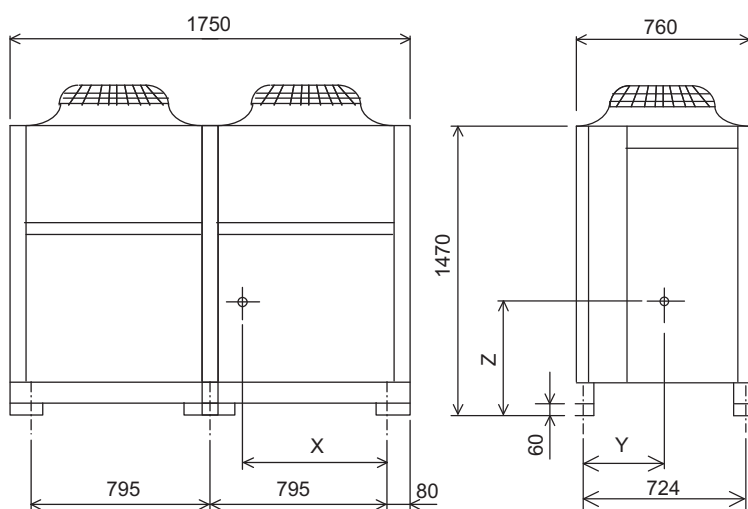
PURY-P350, P400, EP250, EP300YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PURY-P350YJM-A (-BS)	450	322	630
PURY-P400YJM-A (-BS)	450	322	630
PURY-EP250YJM-A (-BS)	450	322	630
PURY-EP300YJM-A (-BS)	450	322	630

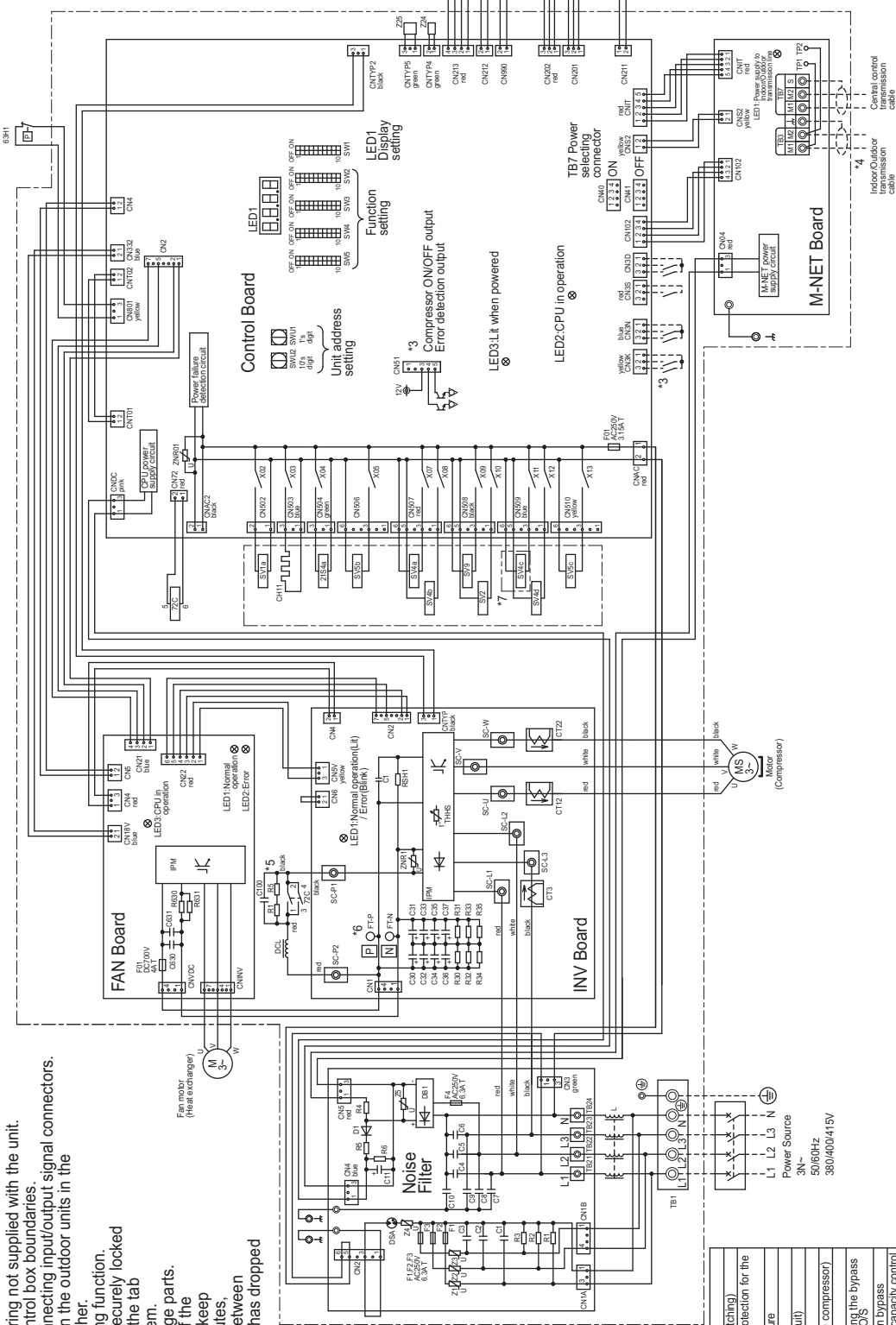
PURY-P450, EP350YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PURY-P450YJM-A (-BS)	726	318	728
PURY-EP350YJM-A (-BS)	726	318	728

PURY-P200, 250, 300, 350, 400YJM-A-(BS) PURY-EP200, 250, 300YJM-A-(BS)



- *1 Single-dotted lines indicate wiring not supplied with the unit.
- *2 Dot-dash lines indicate the control box boundaries.
- *3 Refer to the Data book for connecting input/output signal connectors.
- *4 Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *5 Faston terminals have a locking function. Make sure the terminals are securely locked in place after insertion. Press the tab on the terminals to remove them.
- *6 Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage between FT-P and FT-N on INV Board has dropped to DC20V or less.
- *7 Difference of appliance

Model name	Appliance
P200/P250/P300	*7 do not exist
P350/P400	*7 exist
EP250/EP300	*7 exist

<Symbol explanation>

Symbol	Explanation
21Sha	4-way valve (Cooling/Heating switching)
63H1	Pressure switch
63H1	High pressure protection for the outdoor unit
63LS	Pressure sensor
63LS	Discharge pressure
72C	Low pressure
C12, 22.3	Magnetic relay (inverter main circuit)
CH11	Current sensor (AC)
DCL	Crankcase heater (for heating the compressor)
SV1a	Solenoid valve
SV2	For opening/closing the bypass circuit under the OS
SV4a, b, c, d	Discharge suction bypass
SV30	Heat exchanger capacity control
SV5c	For opening/closing the bypass circuit
SV9	Heat exchanger low pressure bypass
SV9	For opening/closing the bypass circuit
TB1	Power supply
TB3	Indoor/Outdoor transmission cable
TB7	Central control transmission cable
TH3	Thermistor
TH4	Liquid pipe temperature
TH5	Discharge pipe temperature
TH6	AOC inlet pipe temperature
TH7	Heat exchanger inlet pipe temperature
THHS	OA temperature
Z24, 25	IPM temperature
	Function setting connector

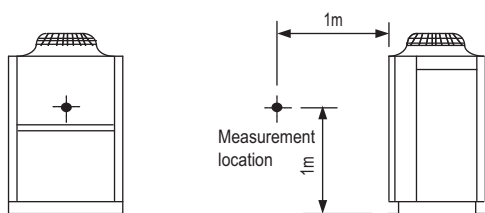
MITSUBISHI ELECTRIC CORPORATION

1. Single-dotted lines indicate wiring not supplied with the unit.
2. Dot-dash lines indicate the control box boundaries.
3. Refer to the Data book for connecting input/output signal cords.
4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
5. Faston terminals have a locking function.
Make sure the terminals are securely locked in place after insertion. Press the tab on the terminals to remove them.
6. Control box houses high-voltage parts.
Before inspecting the inside of the control box turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage between FI-P and FI-N on INV Board has dropped to DC20V or less.

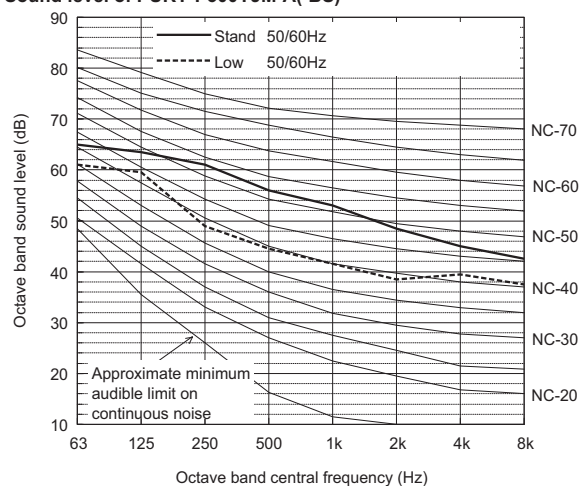


Symbol	Explanation
21Sa	Coiling/Heating switching
21SAb	Heat exchanger capacity control
52F	Magnetic contactor(FAN)
63H1	Pressure switch
63HS1	Discharge pressure sensor
63LS1	Low pressure sensor
72C	Magnetic relay(inverter main circuit)
GT12.22.3	Current sensor(A/C)
CH11	Crank-case heater(for heating the compressor)
DC1	DC reactor
SV1a	Solenoid valve
SV4a,b,c,d	For opening/closing the bypass circuit under the O/S
SV5b	Heat exchanger capacity control
SV5c	For heating/cooling the bypass circuit
SV9	Heat exchanger low pressure bypass
TB1	For opening/closing the bypass circuit
TE1	Power supply
TE3	Terminal block
TE8	Indoor/outdoor transmission cable
TE17	Central control transmission cable
TH3	Liquid pipe temperature
TH4	Airange pipe temperature
TH5	A/C pipe temperature
TH6	Heat exchanger inlet pipe temperature
TH7	Oil temperature
THHS	IPM temperature
Z24.25	Function setting connector

Measurement condition PURY-P200,250,300YJM-A(-BS)



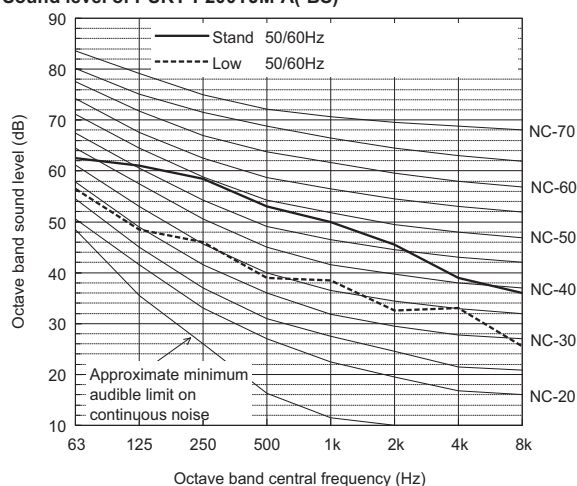
Sound level of PURY-P300YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.0	63.5	61.0	56.0	53.0	48.5	45.0	42.5	59.0
Low noise mode	50/60Hz	61.0	59.5	49.0	44.5	41.5	38.5	39.5	37.5	50.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

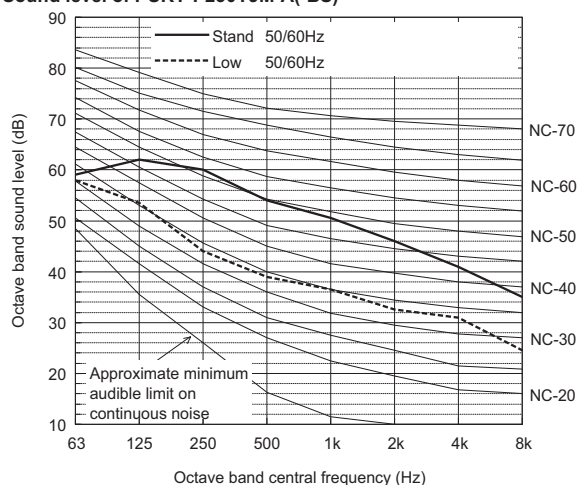
Sound level of PURY-P200YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	62.5	61.0	58.5	53.0	50.0	45.5	39.0	36.0	56.0
Low noise mode	50/60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

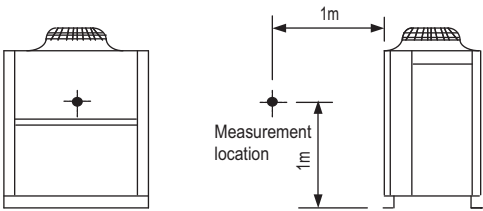
Sound level of PURY-P250YJM-A(-BS)



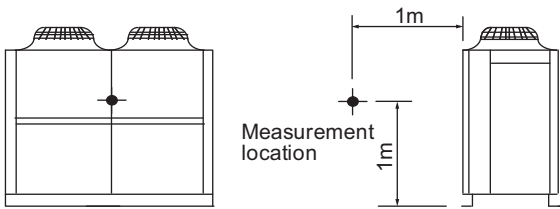
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	59.0	62.0	60.0	54.0	50.5	46.0	41.0	35.0	57.0
Low noise mode	50/60Hz	58.0	53.5	44.0	39.0	36.5	32.5	31.0	24.5	44.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

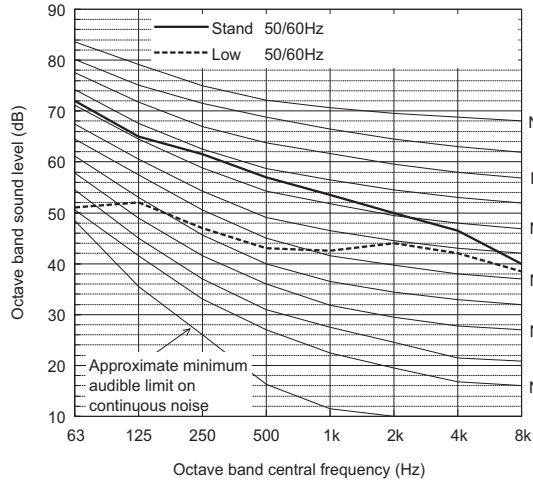
Measurement condition
PURY-P350,400YJM-A(-BS)



Measurement condition
PURY-P450YJM-A(-BS)



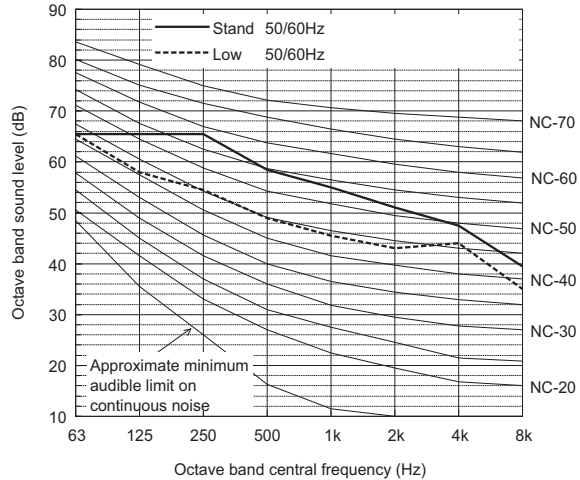
Sound level of PURY-P350YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Low noise mode	50/60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

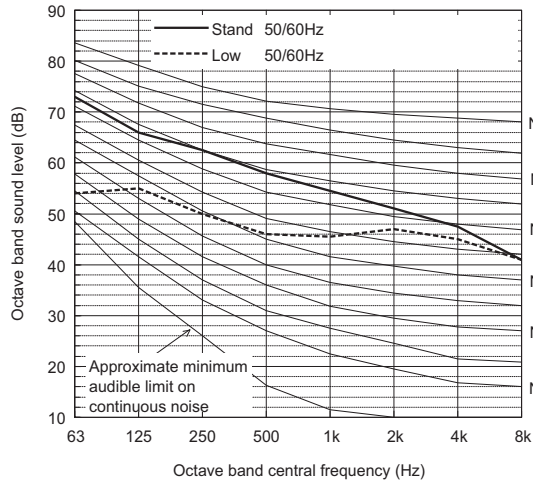
Sound level of PURY-P450YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.5	65.5	65.5	58.5	55.0	51.0	47.5	39.5	62.0
Low noise mode	50/60Hz	65.5	58.0	54.5	49.0	45.5	43.0	44.0	35.0	53.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PURY-P400YJM-A(-BS)

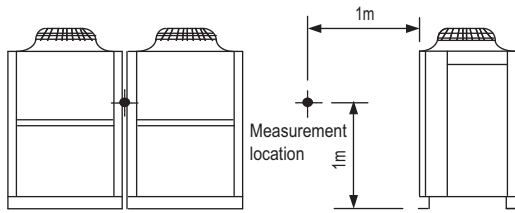


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	66.0	62.5	58.0	54.5	51.0	47.5	41.0	61.0
Low noise mode	50/60Hz	54.0	55.0	50.0	46.0	45.5	47.0	45.0	41.0	53.0

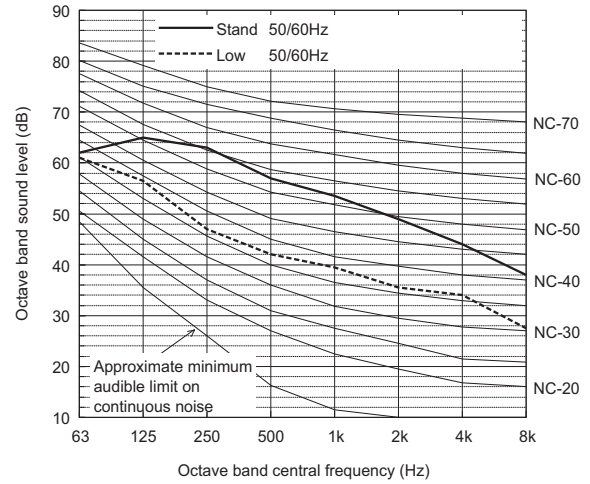
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition

PURY-P400,450,500,550,600YSJM-A(1)(-BS)



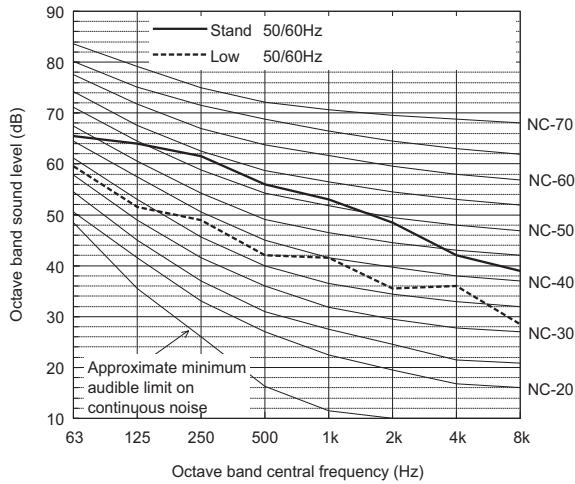
Sound level of PURY-P500YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	62.0	65.0	63.0	57.0	53.5	49.0	44.0	38.0	60.0
Low noise mode	50/60Hz	61.0	56.5	47.0	42.0	39.5	35.5	34.0	27.5	47.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

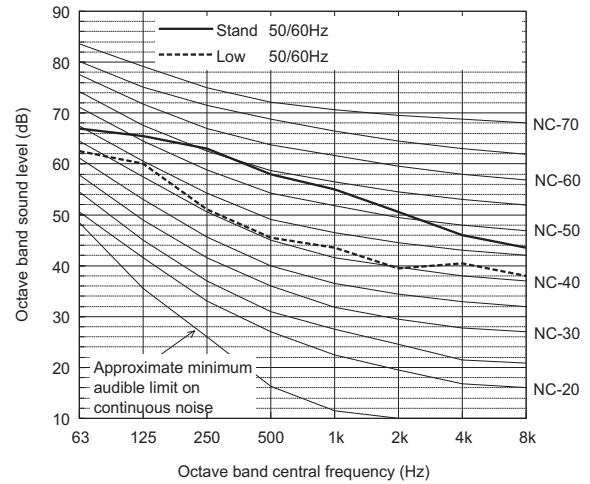
Sound level of PURY-P400YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.5	64.0	61.5	56.0	53.0	48.5	42.0	39.0	59.0
Low noise mode	50/60Hz	59.5	51.5	49.0	42.0	41.5	35.5	36.0	28.5	47.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

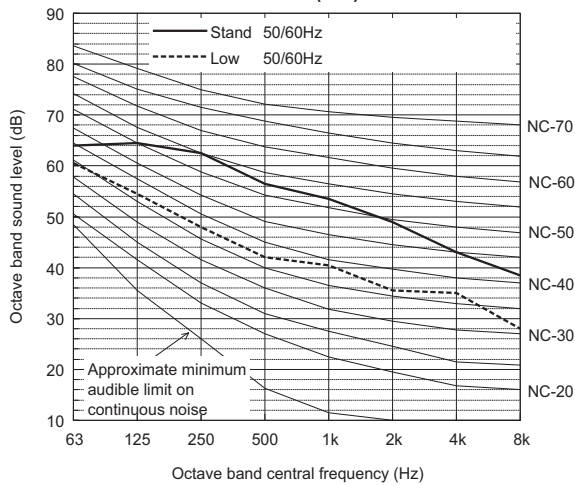
Sound level of PURY-P500YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	67.0	65.5	63.0	58.0	55.0	50.5	46.0	43.5	61.0
Low noise mode	50/60Hz	62.5	60.0	51.0	45.5	43.5	39.5	40.5	38.0	51.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

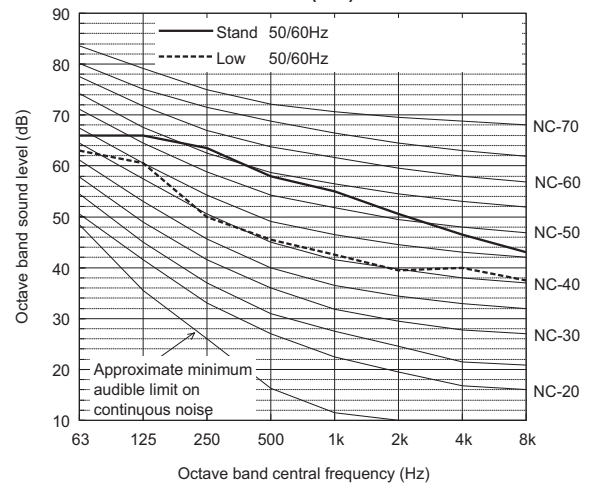
Sound level of PURY-P450YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	64.0	64.5	62.5	56.5	53.5	49.0	43.0	38.5	59.5
Low noise mode	50/60Hz	60.5	54.5	48.0	42.0	40.5	35.5	35.0	28.0	47.0

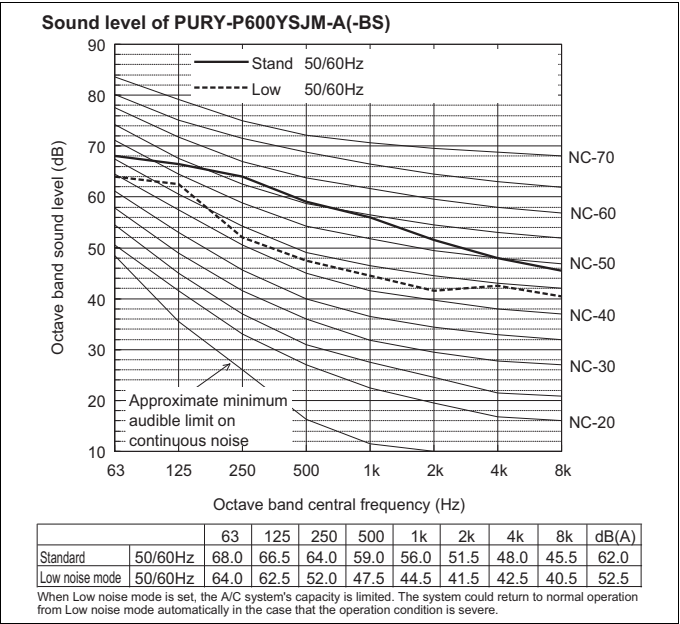
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PURY-P550YSJM-A(-BS)

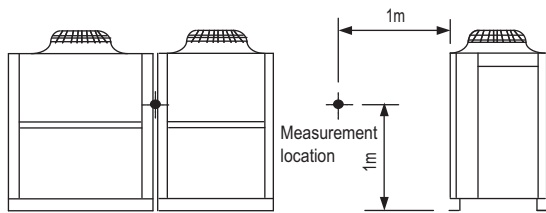


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	66.0	66.0	63.5	58.0	55.0	50.5	46.5	43.0	61.0
Low noise mode	50/60Hz	63.0	60.5	50.0	45.5	42.5	39.5	40.0	37.5	50.5

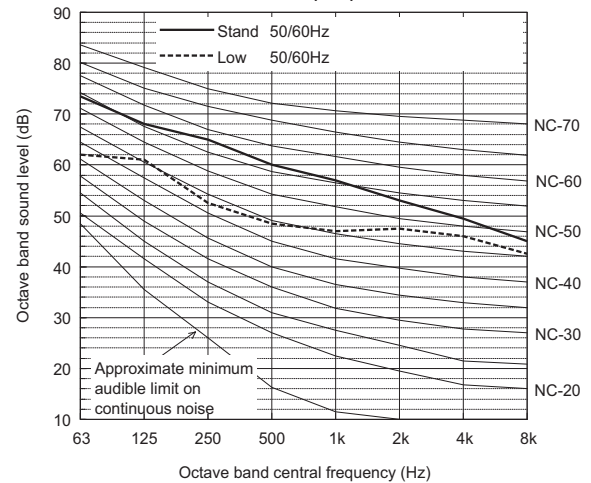
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.



Measurement condition PURY-P600,650,700YSJM-A(1)(-BS)



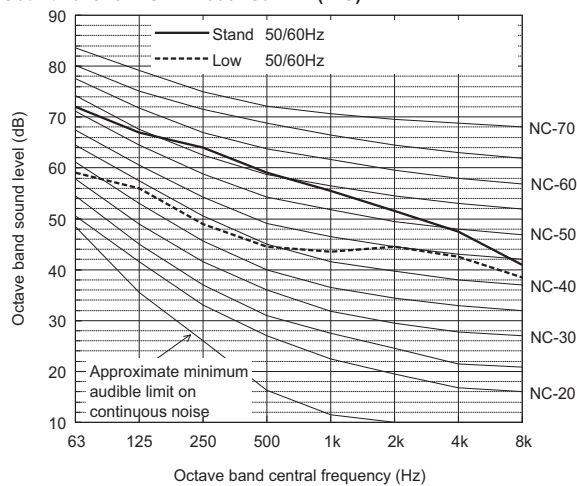
Sound level of PURY-P700YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.5	68.0	65.0	60.0	57.0	53.0	49.5	45.0	63.0
Low noise mode	50/60Hz	62.0	61.0	52.5	48.5	47.0	47.5	46.0	42.5	54.5

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

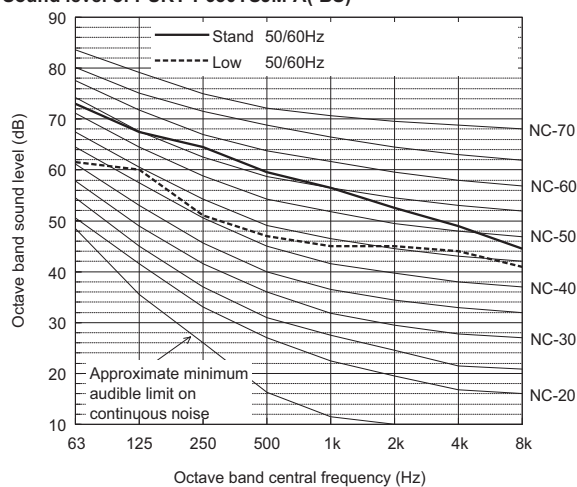
Sound level of PURY-P600YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	67.0	64.0	59.0	55.5	51.5	47.5	41.0	62.0
Low noise mode	50/60Hz	59.0	56.0	49.0	44.5	43.5	44.5	42.5	38.5	51.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

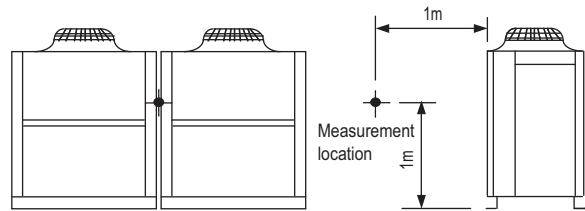
Sound level of PURY-P650YSJM-A(-BS)



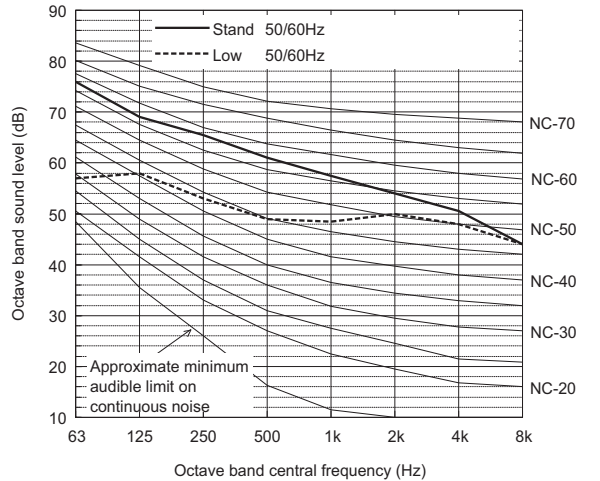
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	67.5	64.5	59.5	56.5	52.5	49.0	44.5	62.5
Low noise mode	50/60Hz	61.5	60.0	51.0	47.0	45.0	45.0	44.0	41.0	53.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition
PURY-P700,750,800YSJM-A(1)(-BS)



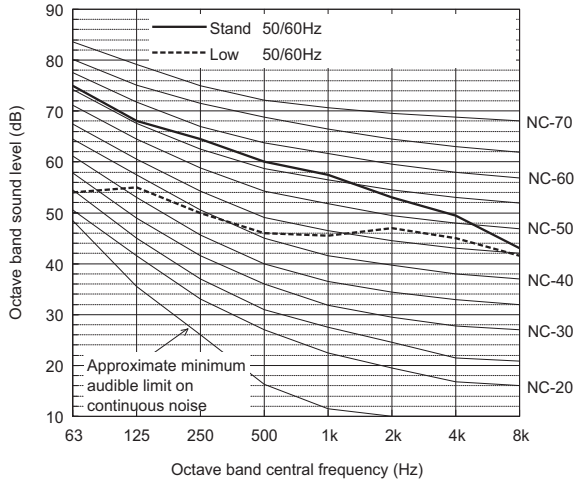
Sound level of PURY-P800YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	76.0	69.0	65.5	61.0	57.5	54.0	50.5	44.0	64.0
Low noise mode	50/60Hz	57.0	58.0	53.0	49.0	48.5	50.0	48.0	44.0	56.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

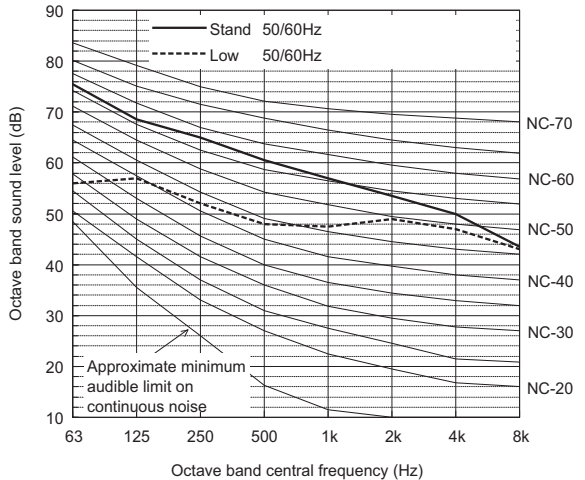
Sound level of PURY-P700YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	68.0	64.5	60.0	57.5	53.0	49.5	43.0	63.0
Low noise mode	50/60Hz	54.0	55.0	50.0	46.0	45.5	47.0	45.0	41.5	53.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

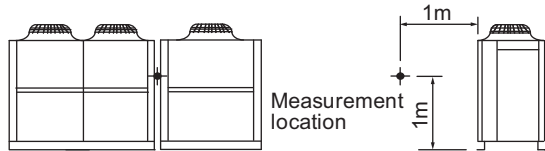
Sound level of PURY-P750YSJM-A(-BS)



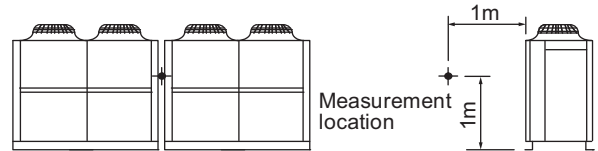
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	68.5	65.0	60.5	57.0	53.5	50.0	43.5	63.5
Low noise mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	43.0	55.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

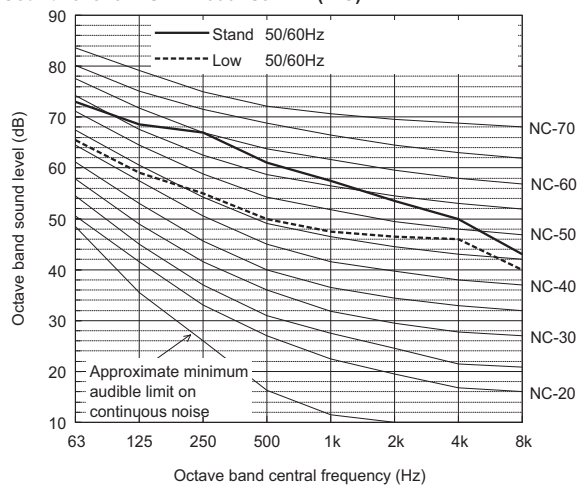
Measurement condition PURY-P800,850YSJM-A(1)(-BS)



Measurement condition PURY-P900YSJM-A(-BS)



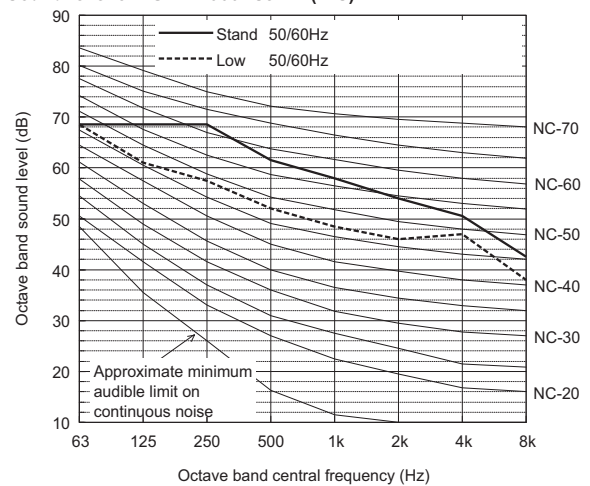
Sound level of PURY-P800YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	68.5	67.0	61.0	57.5	53.5	50.0	43.0	64.0
Low noise mode	50/60Hz	65.5	59.0	55.0	50.0	47.5	46.5	46.0	40.0	55.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

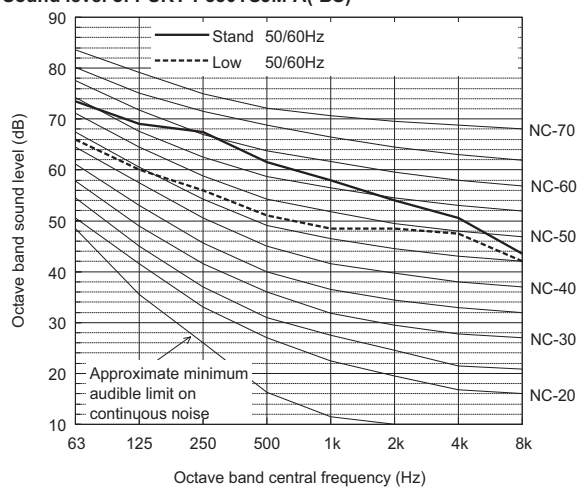
Sound level of PURY-P900YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	68.5	68.5	68.5	61.5	58.0	54.0	50.5	42.5	65.0
Low noise mode	50/60Hz	68.5	61.0	57.5	52.0	48.5	46.0	47.0	38.0	56.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PURY-P850YSJM-A(-BS)



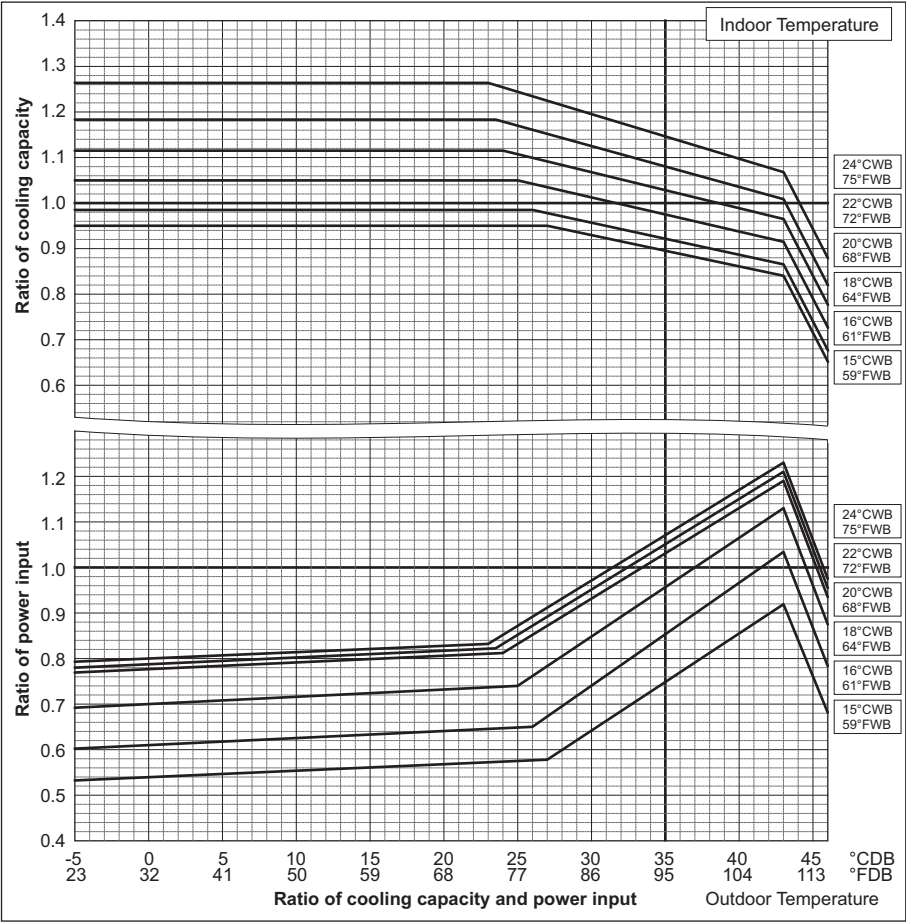
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.5	69.0	67.5	61.5	58.0	54.0	50.5	43.5	64.5
Low noise mode	50/60Hz	66.0	60.0	56.0	51.0	48.5	48.5	47.5	42.0	56.0

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

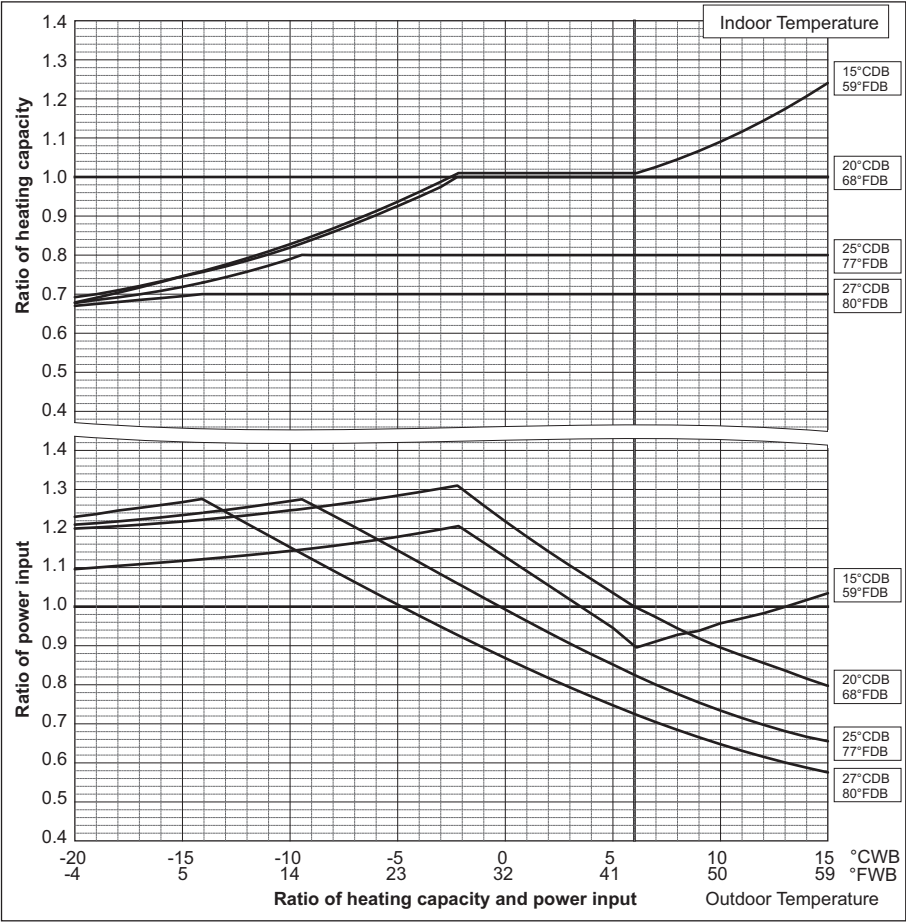
6-1. Correction by temperature

CITY MULTI could have various capacities at different designing temperatures. Using the nominal cooling/heating capacity values and the ratios below, the capacity can be found for various temperatures.

PURY-		P200YJM-A	P250YJM-A
Nominal Cooling Capacity	kW	22.4	28.0
	BTU/h	76,400	95,500
Input	kW	5.18	7.05



PURY-		P200YJM-A	P250YJM-A
Nominal Heating Capacity	kW	25.0	31.5
	BTU/h	85,300	107,500
Input	kW	5.69	7.32

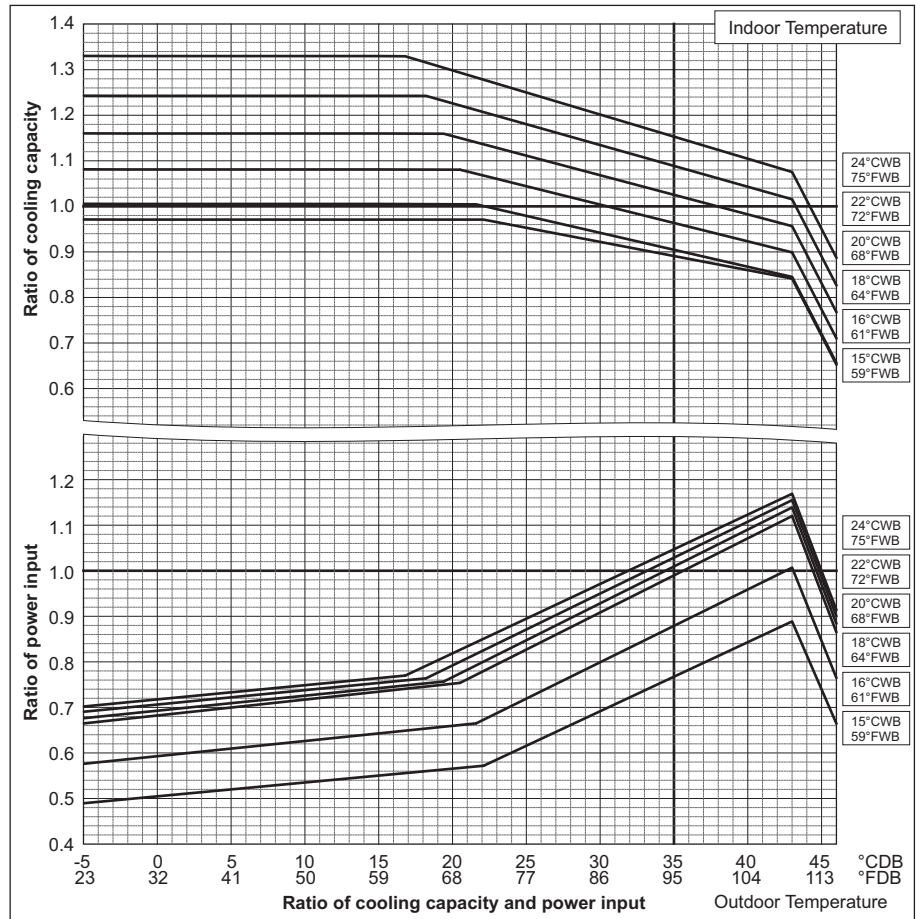


6. CAPACITY TABLES

G10 2nd

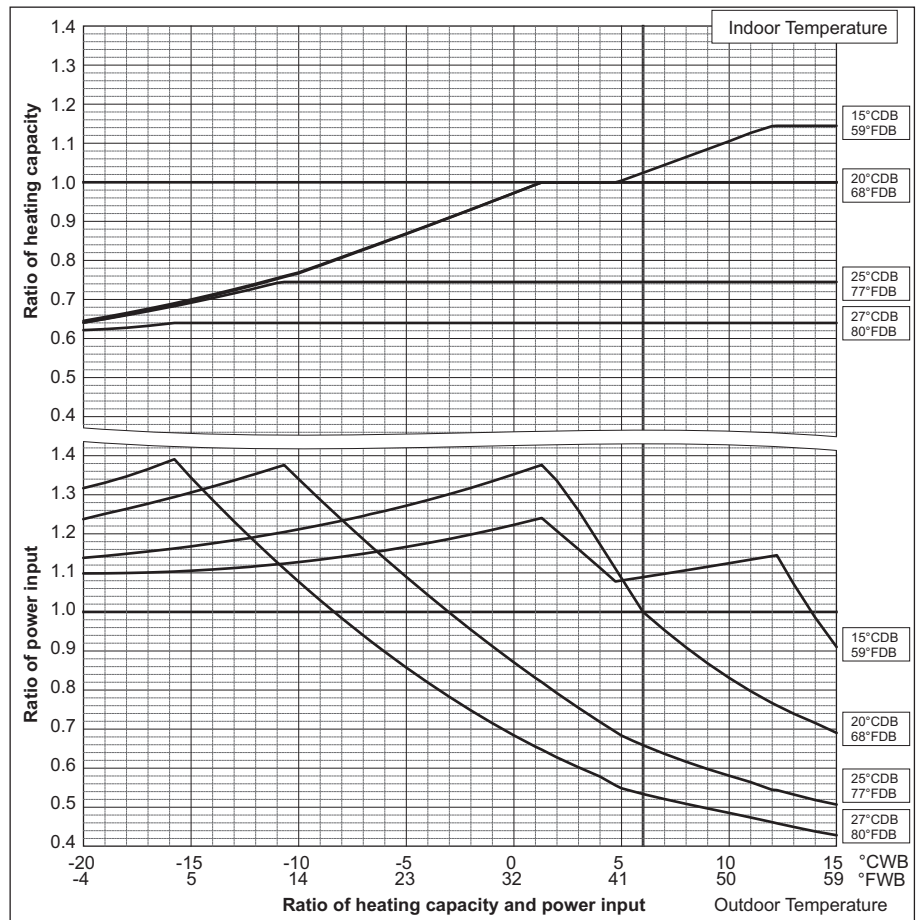
PURY-		P300YJM-A	P350YJM-A
Nominal Cooling Capacity	kW	33.5	40.0
	BTU/h	114,300	136,500
Input	kW	8.67	11.33

PURY-		P400YJM-A	P400YSJM-A1
Nominal Cooling Capacity	kW	45.0	45.0
	BTU/h	153,500	153,500
Input	kW	13.55	10.73



PURY-		P300YJM-A	P350YJM-A
Nominal Heating Capacity	kW	37.5	45.0
	BTU/h	128,000	153,500
Input	kW	8.78	10.89

PURY-		P400YJM-A	P400YSJM-A1
Nominal Heating Capacity	kW	50.0	50.0
	BTU/h	170,600	170,600
Input	kW	12.75	11.62



R2

6. CAPACITY TABLES

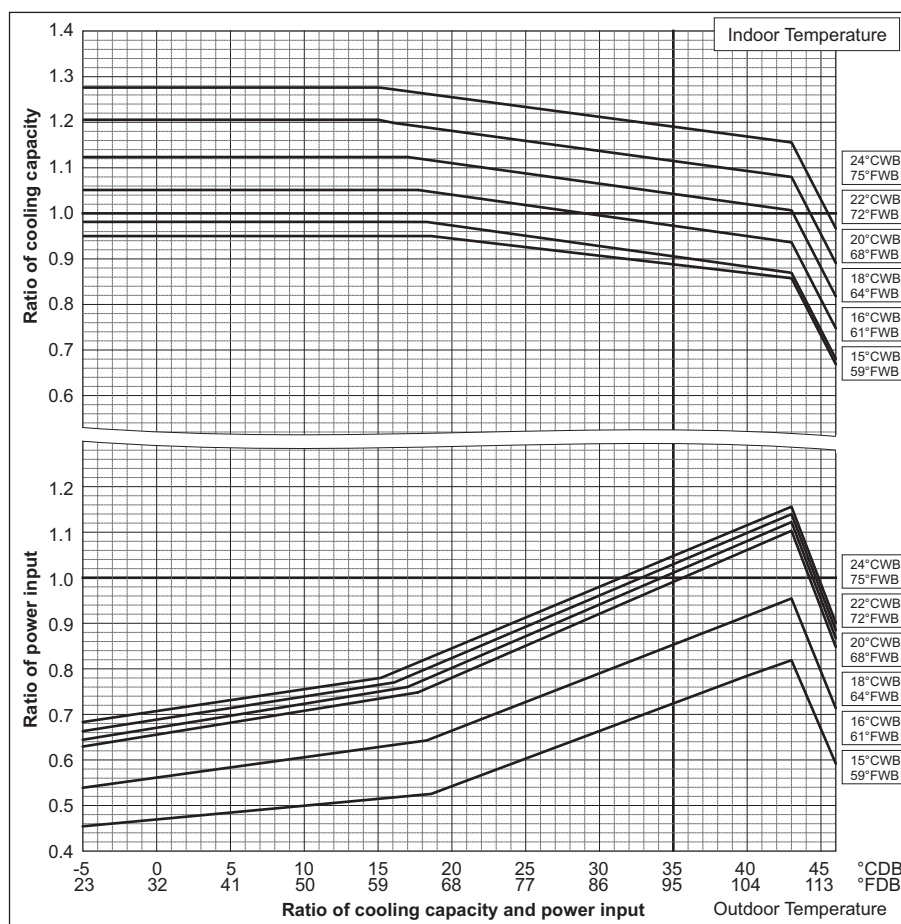
G10 2nd

PURY-		P450YJM-A	P450YSJM-A1
Nominal Cooling Capacity	kW	50.0	50.0
	BTU/h	170,600	170,600
Input	kW	14.49	12.50

PURY-		P500YSJM-A	P500YSJM-A1
Nominal Cooling Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.85	14.73

PURY-		P550YSJM-A	P600YSJM-A
Nominal Cooling Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	17.30	19.65

PURY-		P600YSJM-A1	P650YSJM-A
Nominal Cooling Capacity	kW	69.0	73.0
	BTU/h	235,400	249,100
Input	kW	19.16	21.53

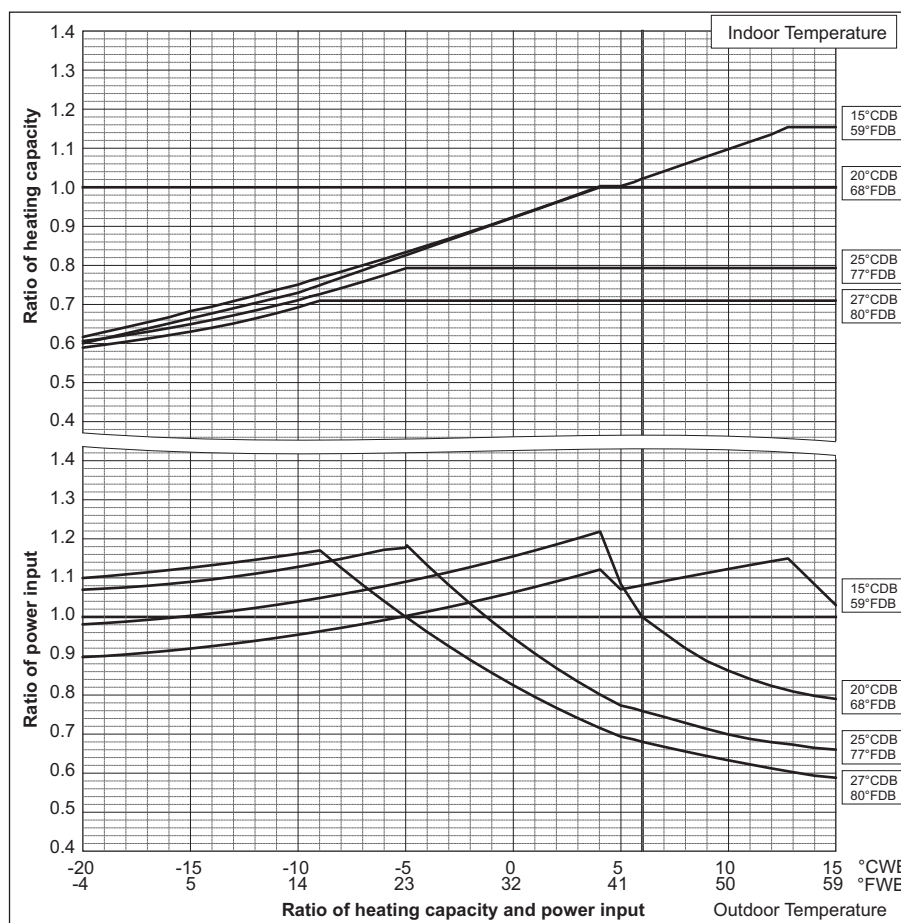


PURY-		P450YJM-A	P450YSJM-A1
Nominal Heating Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.58	13.30

PURY-		P500YSJM-A	P500YSJM-A1
Nominal Heating Capacity	kW	63.0	63.0
	BTU/h	215,000	215,000
Input	kW	15.10	15.07

PURY-		P550YSJM-A	P600YSJM-A
Nominal Heating Capacity	kW	69.0	76.5
	BTU/h	235,400	261,000
Input	kW	16.95	19.07

PURY-		P600YSJM-A1	P650YSJM-A
Nominal Heating Capacity	kW	76.5	81.5
	BTU/h	261,000	278,100
Input	kW	18.61	20.47



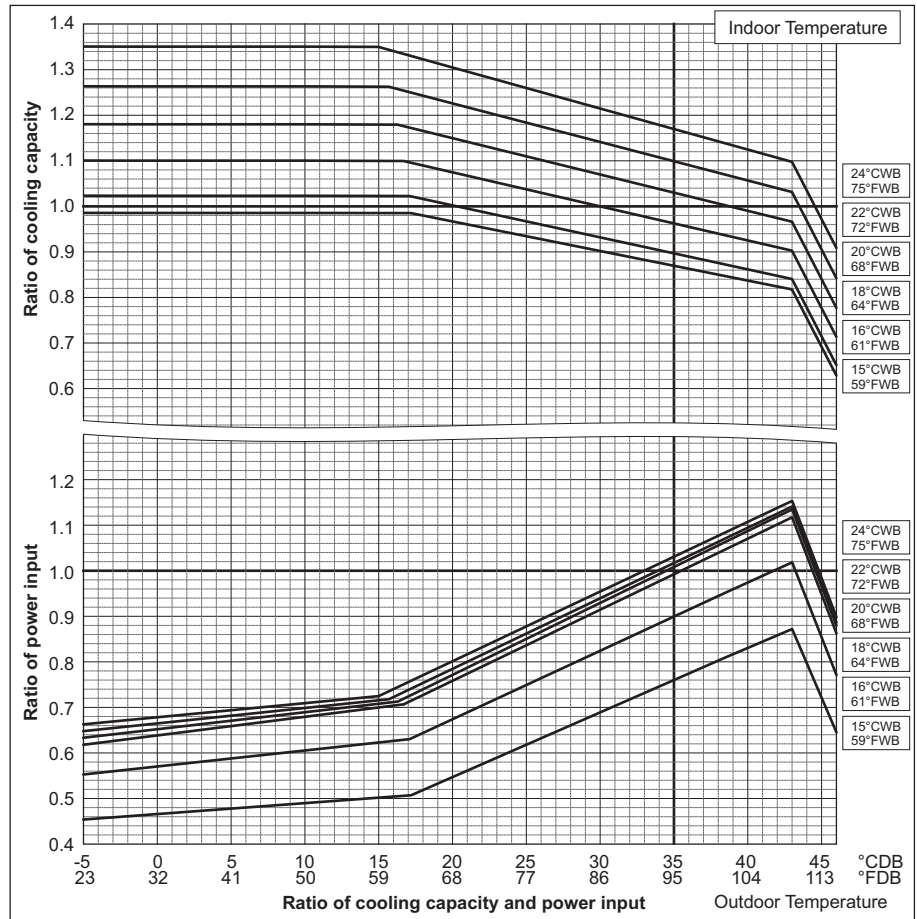
6. CAPACITY TABLES

G10 2nd

PURY-		P700YSJM-A	P700YSJM-A1
Nominal Cooling Capacity	kW	80.0	80.0
	BTU/h	273,000	273,000
Input	kW	23.95	23.39

PURY-		P750YSJM-A	P800YSJM-A
Nominal Cooling Capacity	kW	85.0	90.0
	BTU/h	290,000	307,100
Input	kW	26.47	28.30

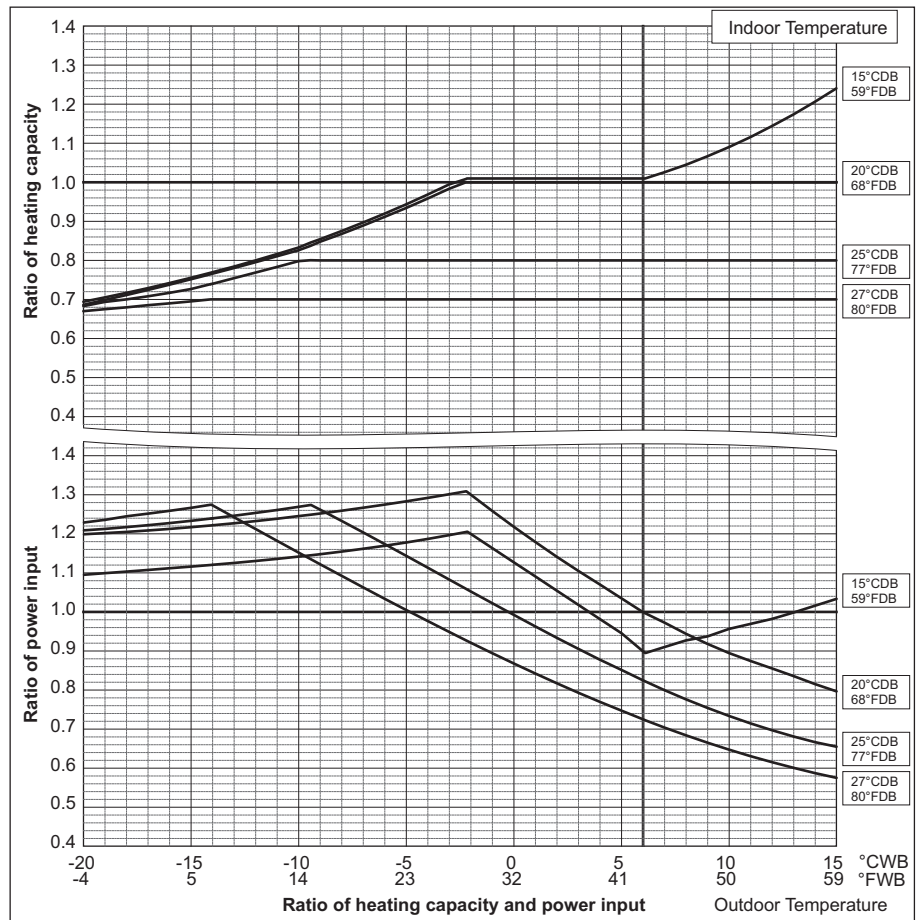
PURY-		P800YSJM-A1
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	26.62



PURY-		P700YSJM-A	P700YSJM-A1
Nominal Heating Capacity	kW	88.0	88.0
	BTU/h	300,300	300,300
Input	kW	22.33	21.78

PURY-		P750YSJM-A	P800YSJM-A
Nominal Heating Capacity	kW	95.0	100.0
	BTU/h	324,100	341,200
Input	kW	24.05	26.04

PURY-		P800YSJM-A1
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.77

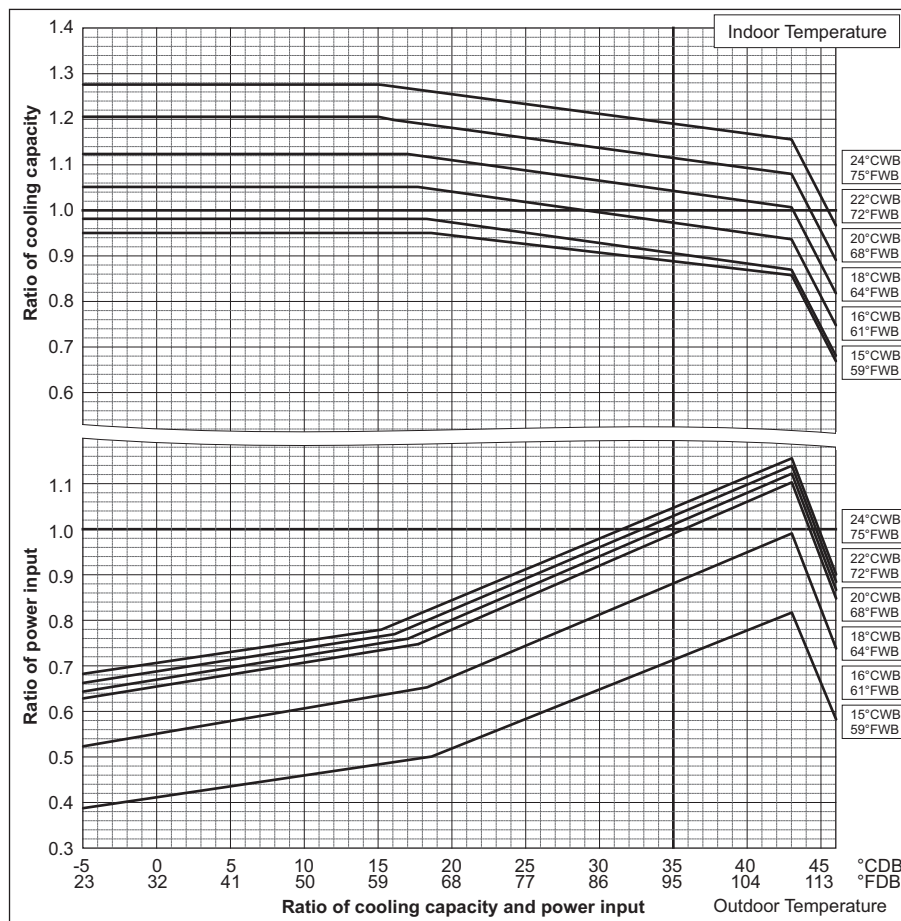


R2

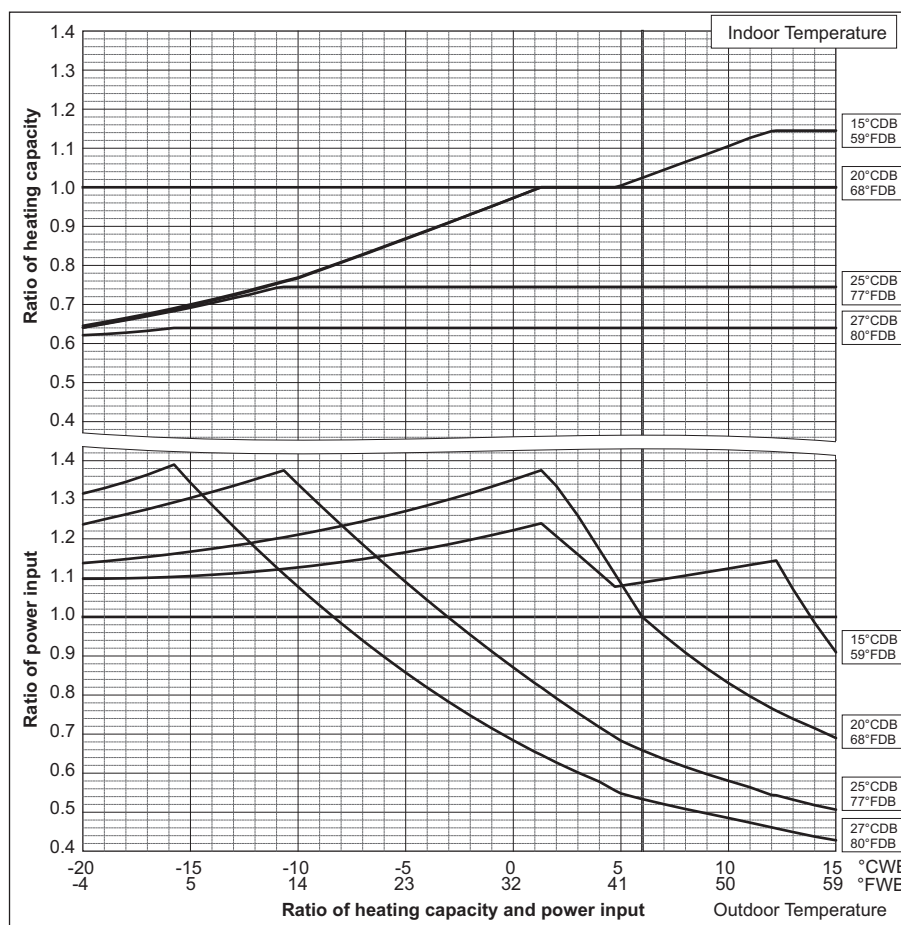
6. CAPACITY TABLES

G10 2nd

PURY-	P850YSJM-A	P900YSJM-A
Nominal Cooling Capacity	96.0	101.0
Input	29.26	30.23



PURY-	P850YSJM-A	P900YSJM-A
Nominal Heating Capacity	108.0	113.0
Input	28.42	30.05



6. CAPACITY TABLES

G10 2nd

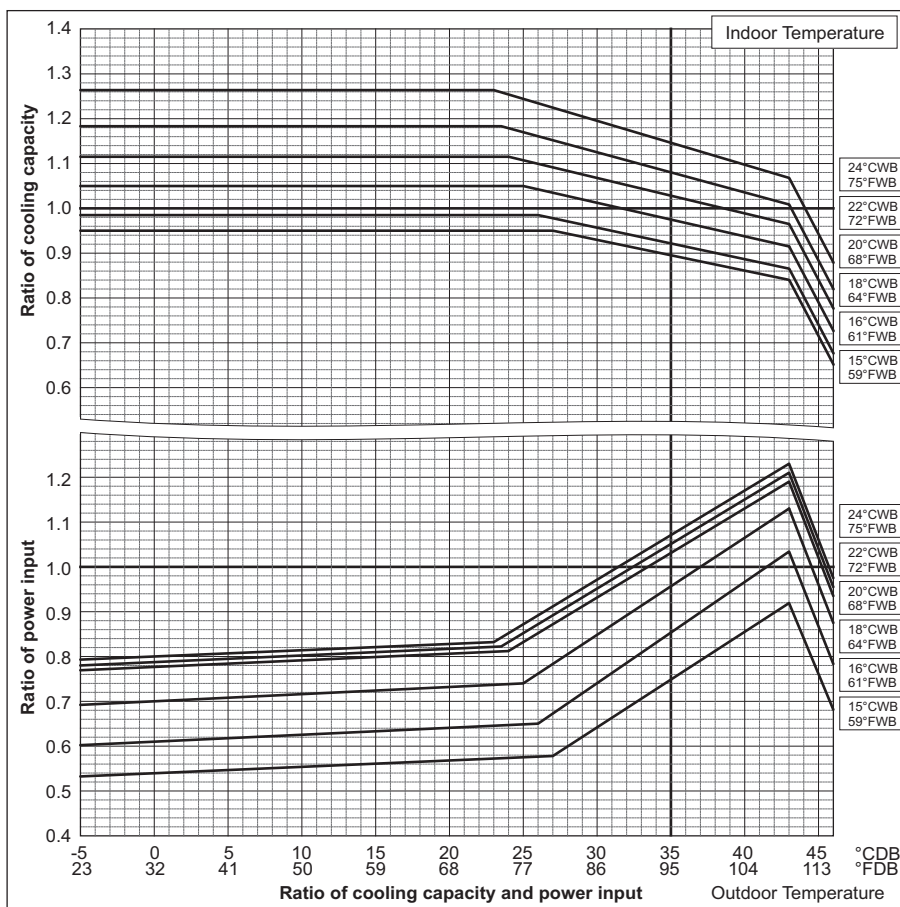
Correction by temperature (COP Priority Mode)

CITY MULTI could have various capacities at different designing temperatures. Using the nominal cooling/heating capacity values and the ratios below, the capacity can be found for various temperatures.

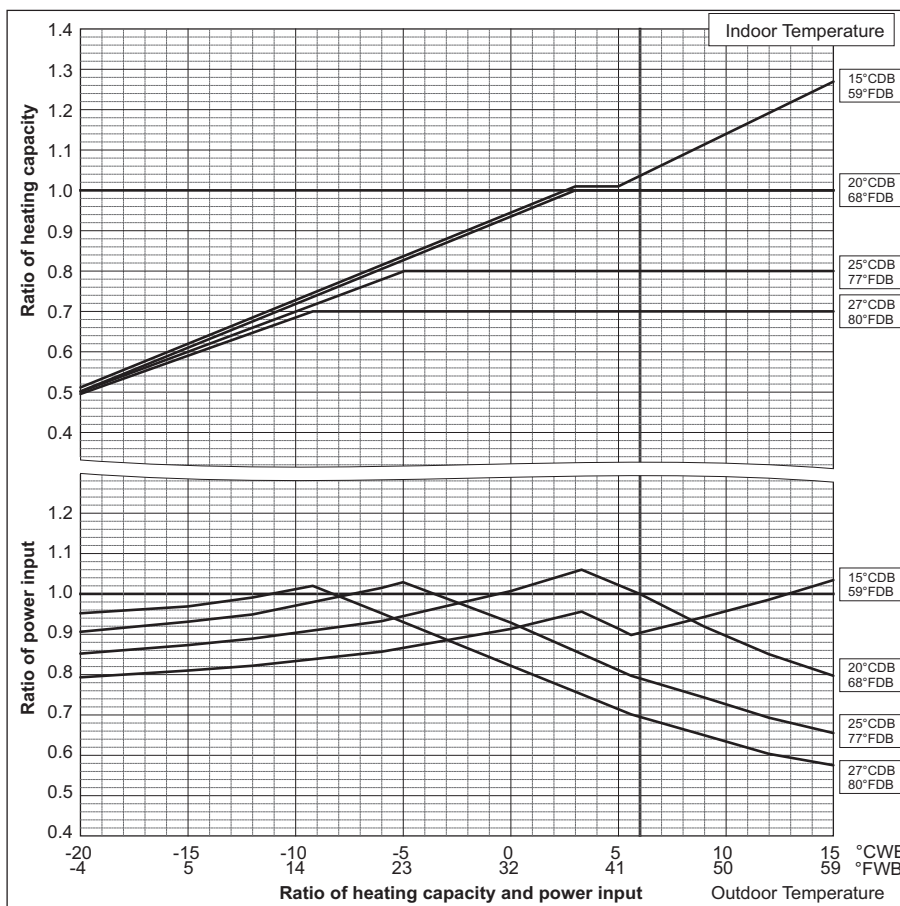
To select COP priority mode, DipSW 3-7 must be set to ON.

PURY-		P200YJM-A	P250YJM-A
Nominal Cooling Capacity	kW	22.4	28.0
	BTU/h	76,400	95,500
Input	kW	5.18	7.05

(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PURY-		P200YJM-A	P250YJM-A
Nominal Heating Capacity	kW	25.0	31.5
	BTU/h	85,300	107,500
Input	kW	5.69	7.32



R2

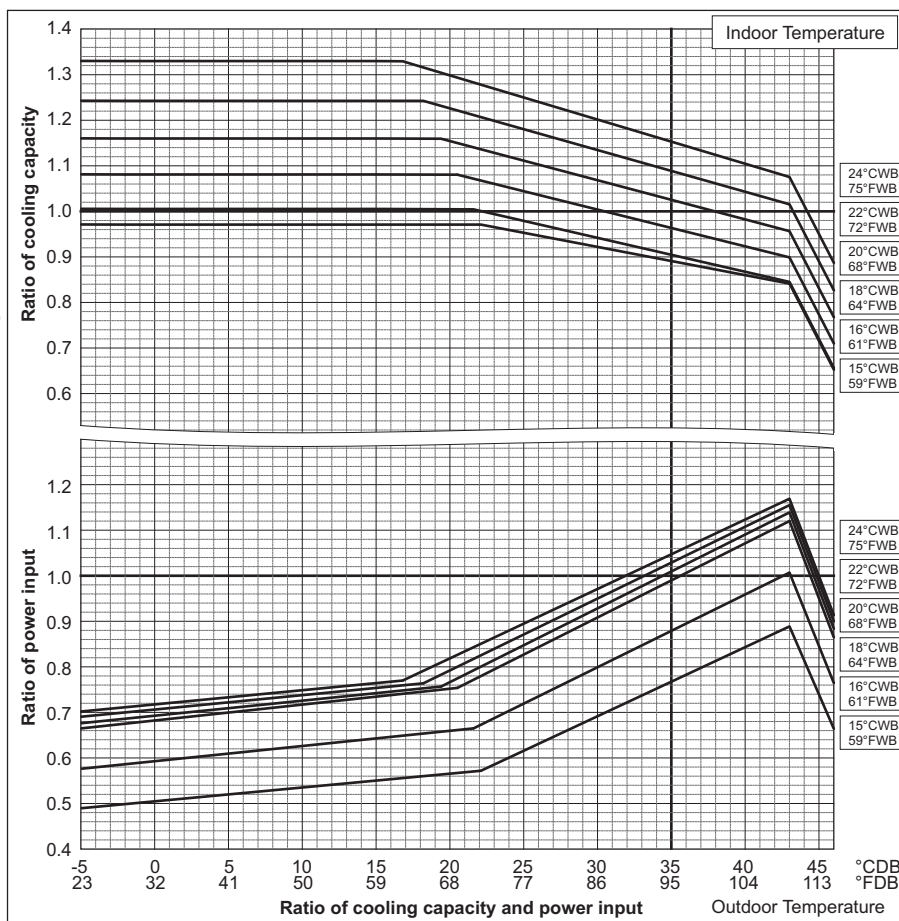
6. CAPACITY TABLES

G10 2nd

PURY-		P300YJM-A	P350YJM-A
Nominal Cooling Capacity	kW	33.5	40.0
	BTU/h	114,300	136,500
Input	kW	8.67	11.33

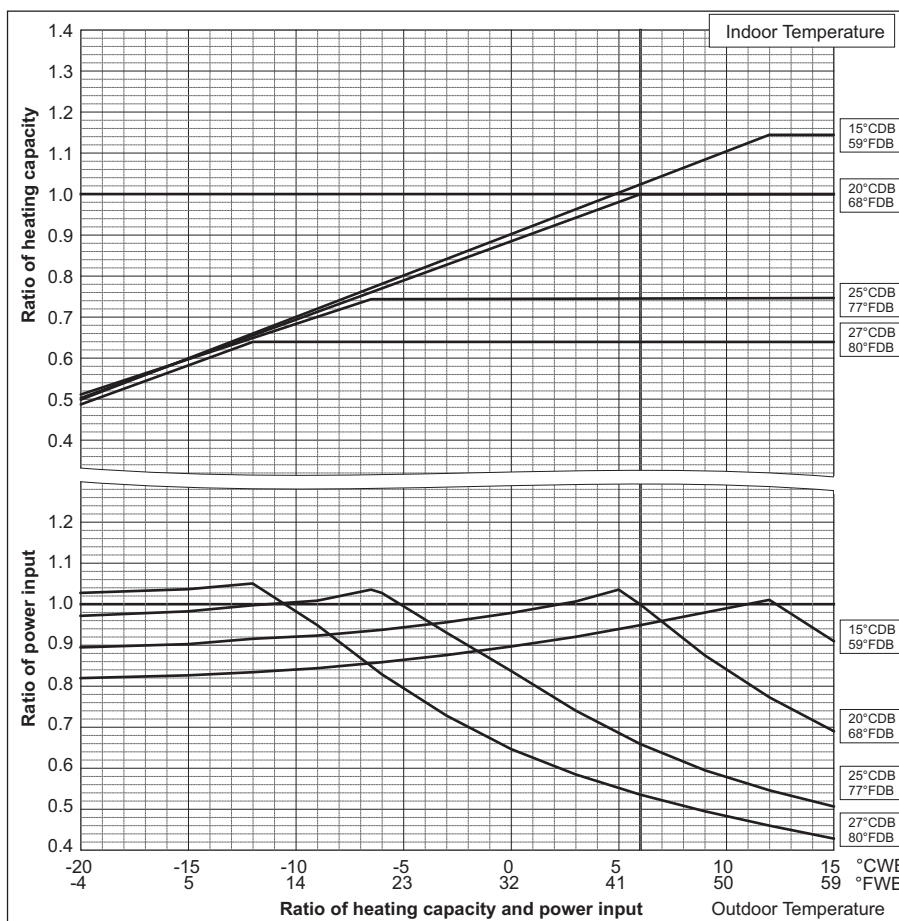
PURY-		P400YJM-A	P400YSJM-A1
Nominal Cooling Capacity	kW	45.0	45.0
	BTU/h	153,500	153,500
Input	kW	13.55	10.73

(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PURY-		P300YJM-A	P350YJM-A
Nominal Heating Capacity	kW	37.5	45.0
	BTU/h	128,000	153,500
Input	kW	8.78	10.89

PURY-		P400YJM-A	P400YSJM-A1
Nominal Heating Capacity	kW	50.0	50.0
	BTU/h	170,600	170,600
Input	kW	12.75	11.62



6. CAPACITY TABLES

G10 2nd

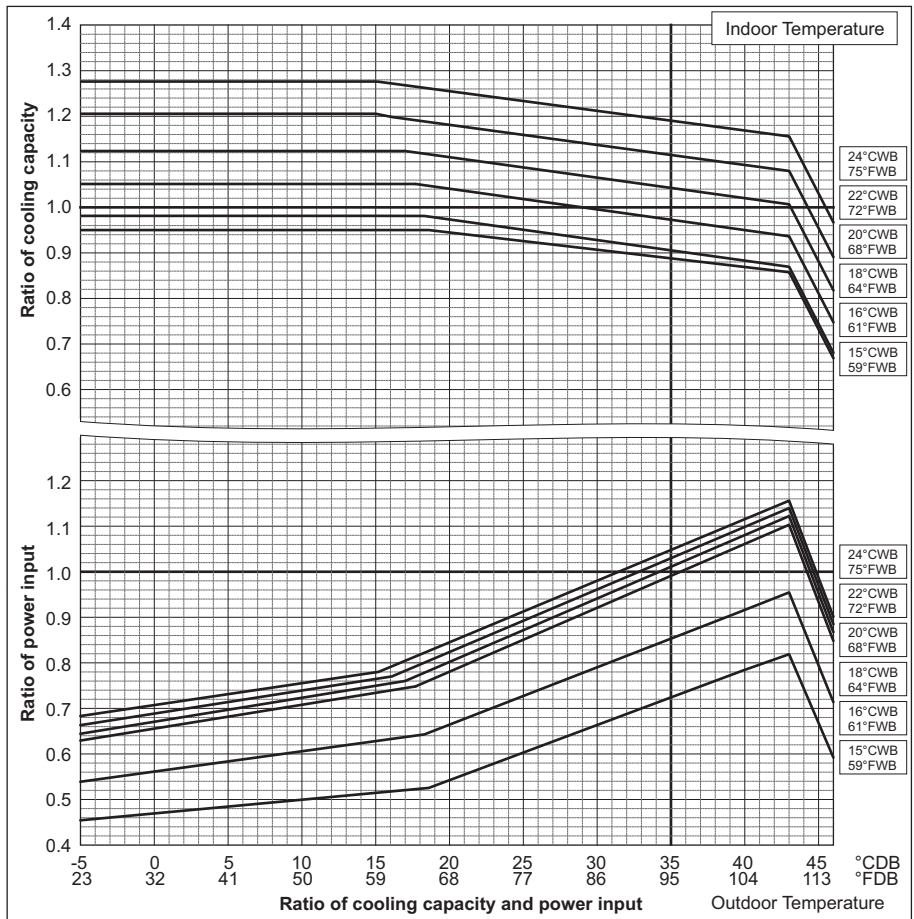
PURY-		P450YSJM-A	P450YSJM-A1
Nominal Cooling Capacity	kW	50.0	50.0
	BTU/h	170,600	170,600
Input	kW	14.49	12.50

PURY-		P500YSJM-A	P500YSJM-A1
Nominal Cooling Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.85	14.73

PURY-		P550YSJM-A	P600YSJM-A
Nominal Cooling Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	17.30	19.65

PURY-		P600YSJM-A1	P650YSJM-A
Nominal Cooling Capacity	kW	69.0	73.0
	BTU/h	235,400	249,100
Input	kW	19.16	21.53

(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)

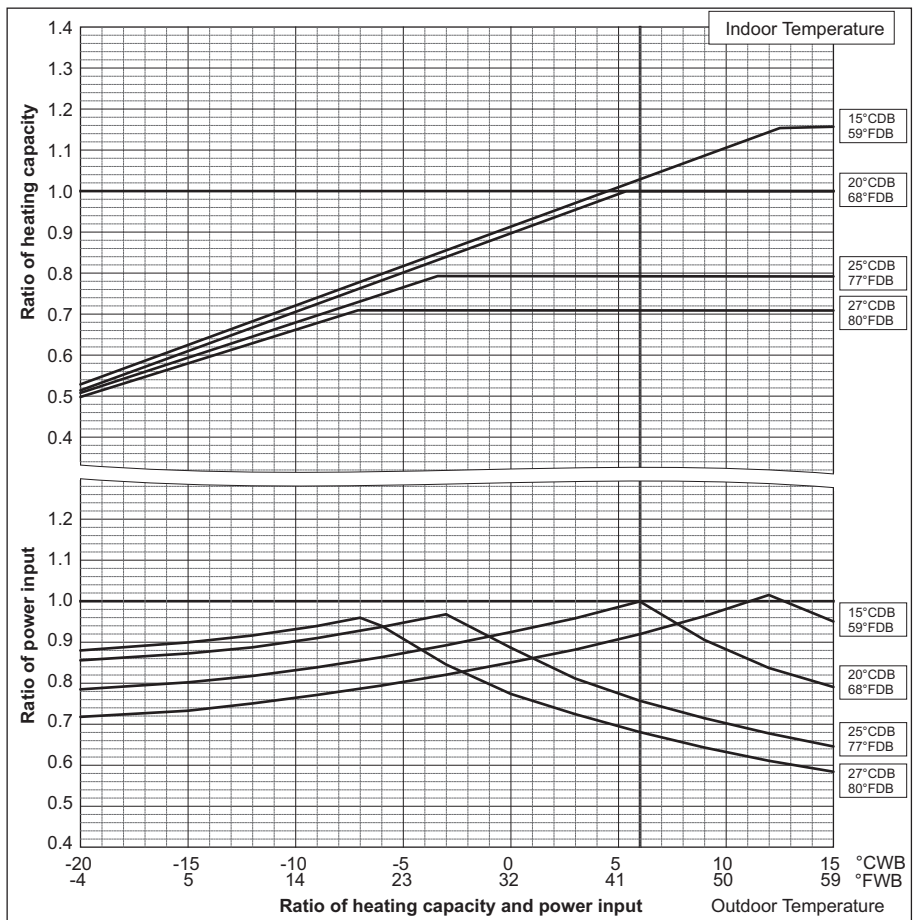


PURY-		P450YSJM-A	P450YSJM-A1
Nominal Heating Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.58	13.30

PURY-		P500YSJM-A	P500YSJM-A1
Nominal Heating Capacity	kW	63.0	63.0
	BTU/h	215,000	215,000
Input	kW	15.10	15.07

PURY-		P550YSJM-A	P600YSJM-A
Nominal Heating Capacity	kW	69.0	76.5
	BTU/h	235,400	261,000
Input	kW	16.95	19.07

PURY-		P600YSJM-A1	P650YSJM-A
Nominal Heating Capacity	kW	76.5	81.5
	BTU/h	261,000	278,100
Input	kW	18.61	20.47



R2

6. CAPACITY TABLES

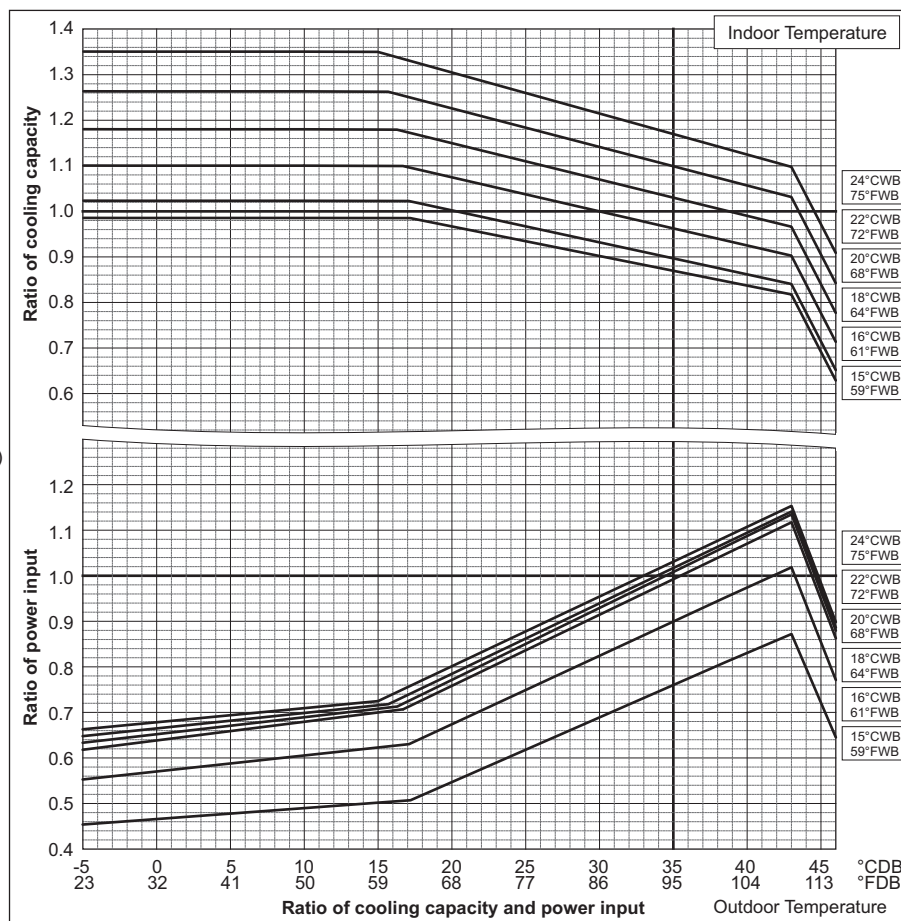
G10 2nd

PURY-		P700YSJM-A	P700YSJM-A1
Nominal Cooling Capacity	kW	80.0	80.0
	BTU/h	273,000	273,000
Input	kW	23.95	23.39

PURY-		P750YSJM-A	P800YSJM-A
Nominal Cooling Capacity	kW	85.0	90.0
	BTU/h	290,000	307,100
Input	kW	26.47	28.30

PURY-		P800YSJM-A1
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	26.62

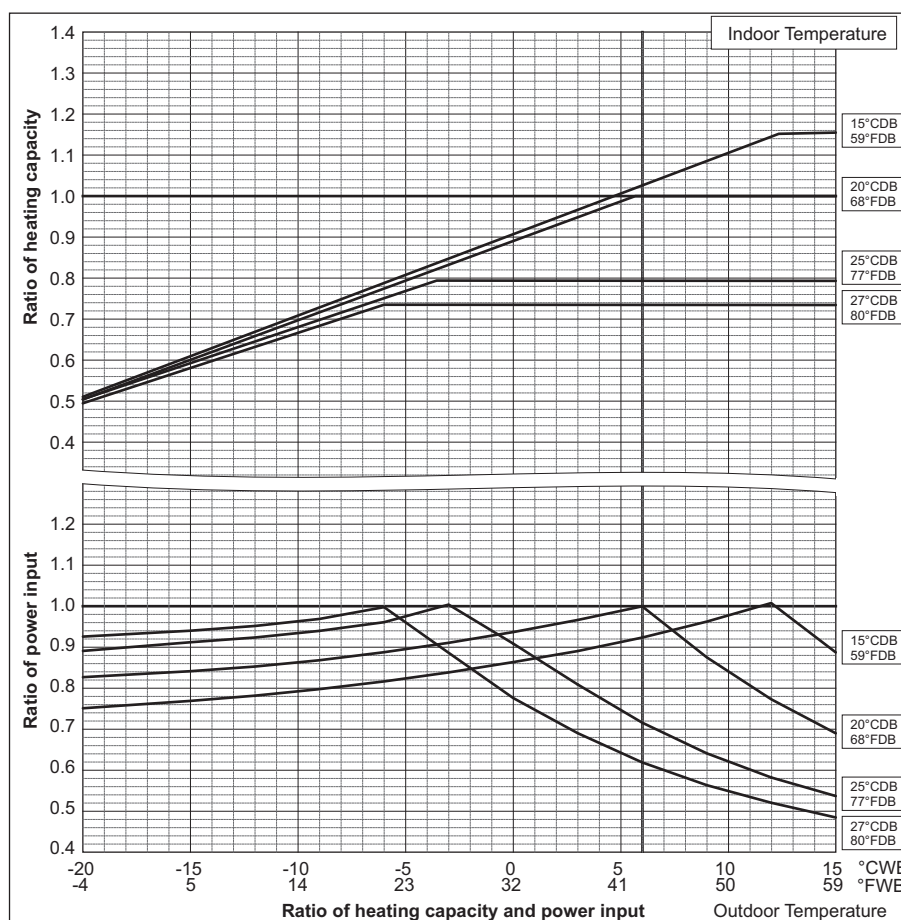
(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PURY-		P700YSJM-A	P700YSJM-A1
Nominal Heating Capacity	kW	88.0	88.0
	BTU/h	300,300	300,300
Input	kW	22.33	21.78

PURY-		P750YSJM-A	P800YSJM-A
Nominal Heating Capacity	kW	95.0	100.0
	BTU/h	324,100	341,200
Input	kW	24.05	26.04

PURY-		P800YSJM-A1
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.77

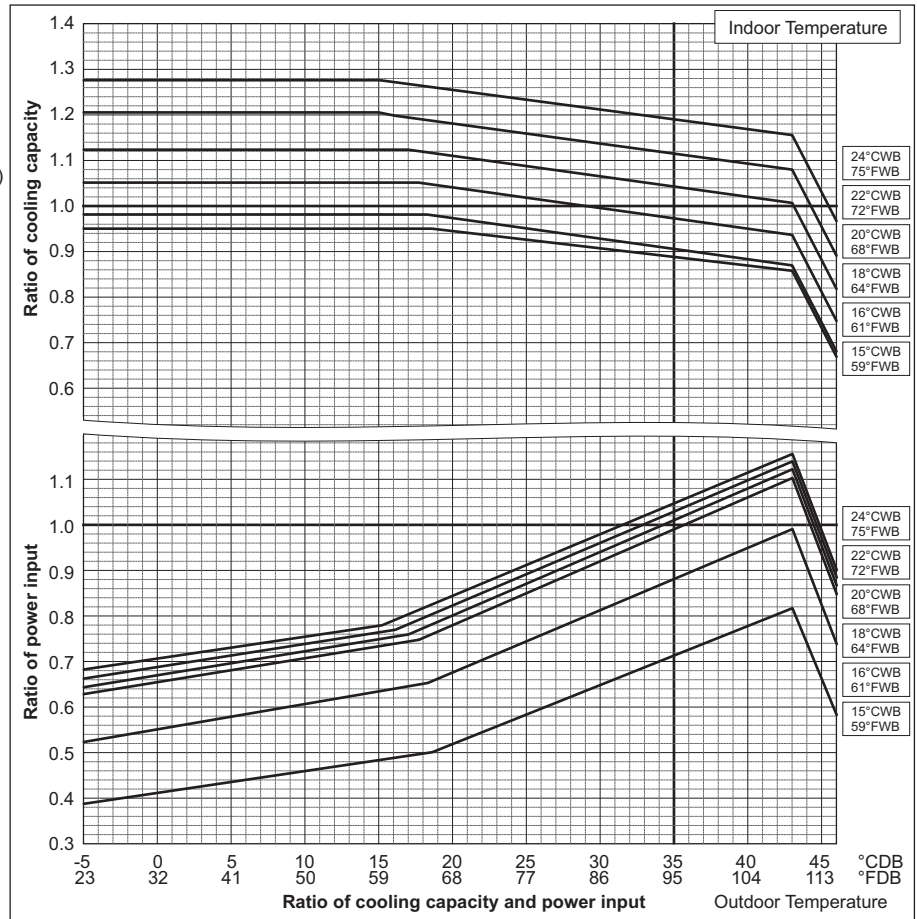


6. CAPACITY TABLES

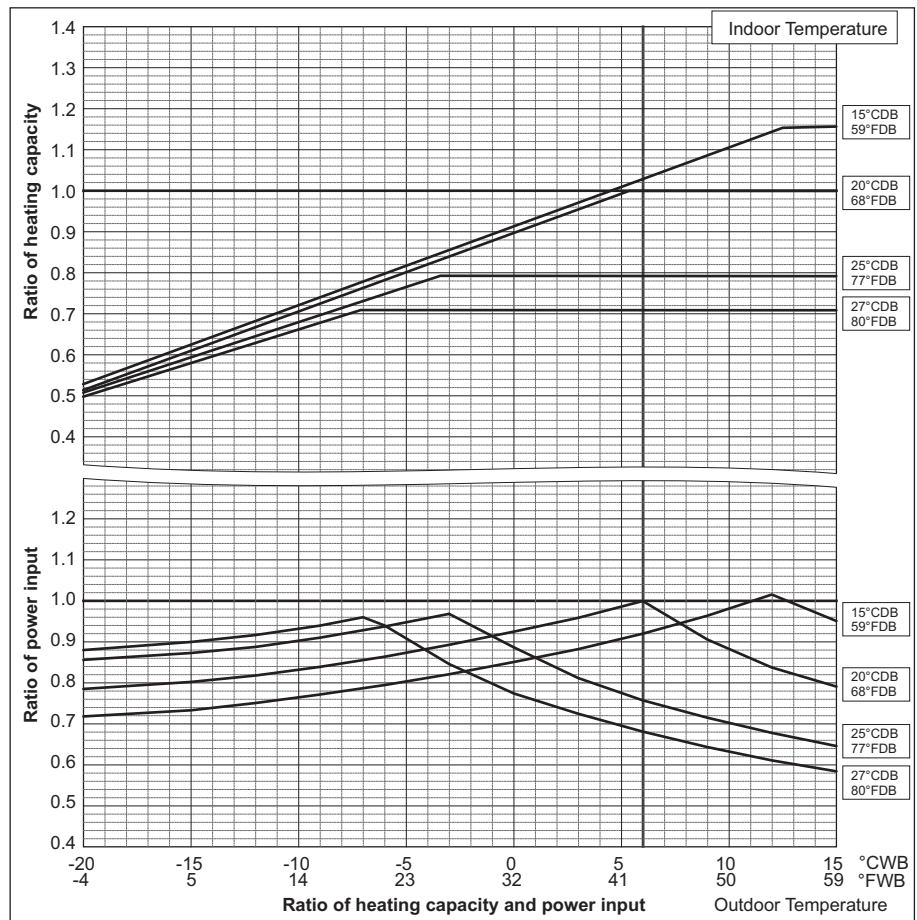
G10 2nd

PURY-		P850YSJM-A	P900YSJM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	29.26	30.23

(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PURY-		P850YSJM-A	P900YSJM-A
Nominal Heating Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	28.42	30.05



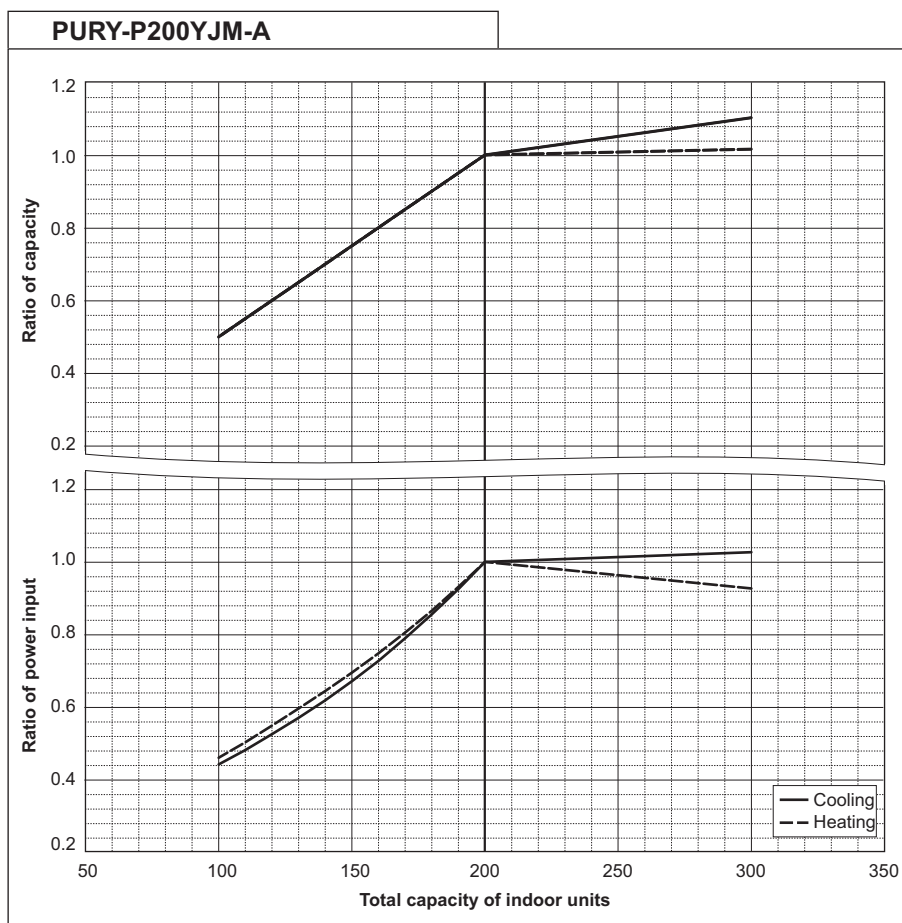
R2

6-2. Correction by total indoor

CITY MULTI system has different capacity and input at different total capacity of indoor unit connected. Using following tables, the maximum capacity can be observed so as to ensure the system having enough capacity to meet the conditions.

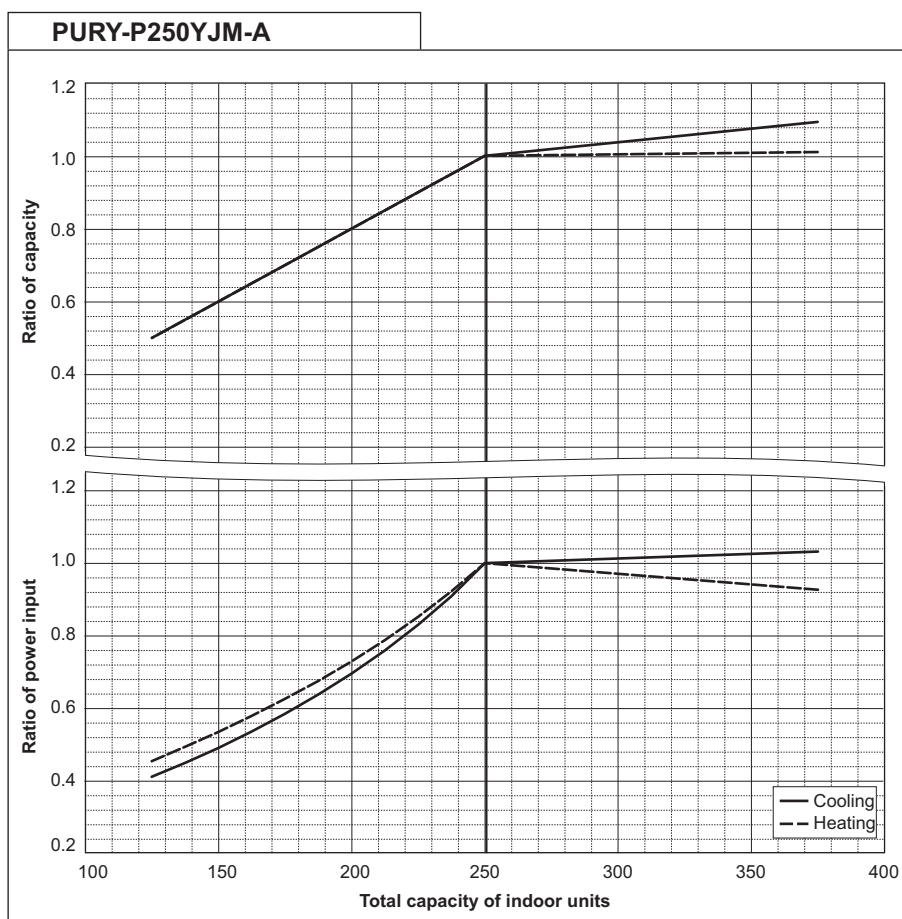
PURY-P200YJM-A		
Nominal Cooling Capacity	kW	22.4
	BTU/h	76,400
Input	kW	5.18

PURY-P200YJM-A		
Nominal Heating Capacity	kW	25.0
	BTU/h	85,300
Input	kW	5.69



PURY-P250YJM-A		
Nominal Cooling Capacity	kW	28.0
	BTU/h	95,500
Input	kW	7.05

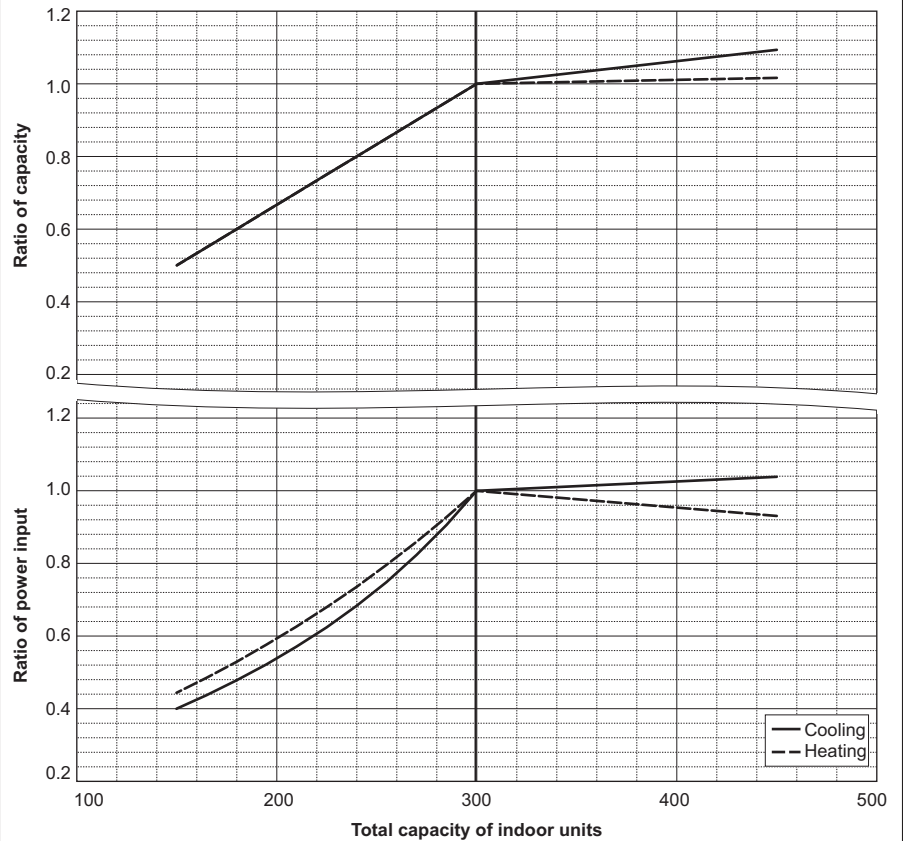
PURY-P250YJM-A		
Nominal Heating Capacity	kW	31.5
	BTU/h	107,500
Input	kW	7.32



PURY-P300YJM-A		
Nominal Cooling Capacity	kW	33.5
	BTU/h	114,300
Input	kW	8.67

PURY-P300YJM-A		
Nominal Heating Capacity	kW	37.5
	BTU/h	128,000
Input	kW	8.78

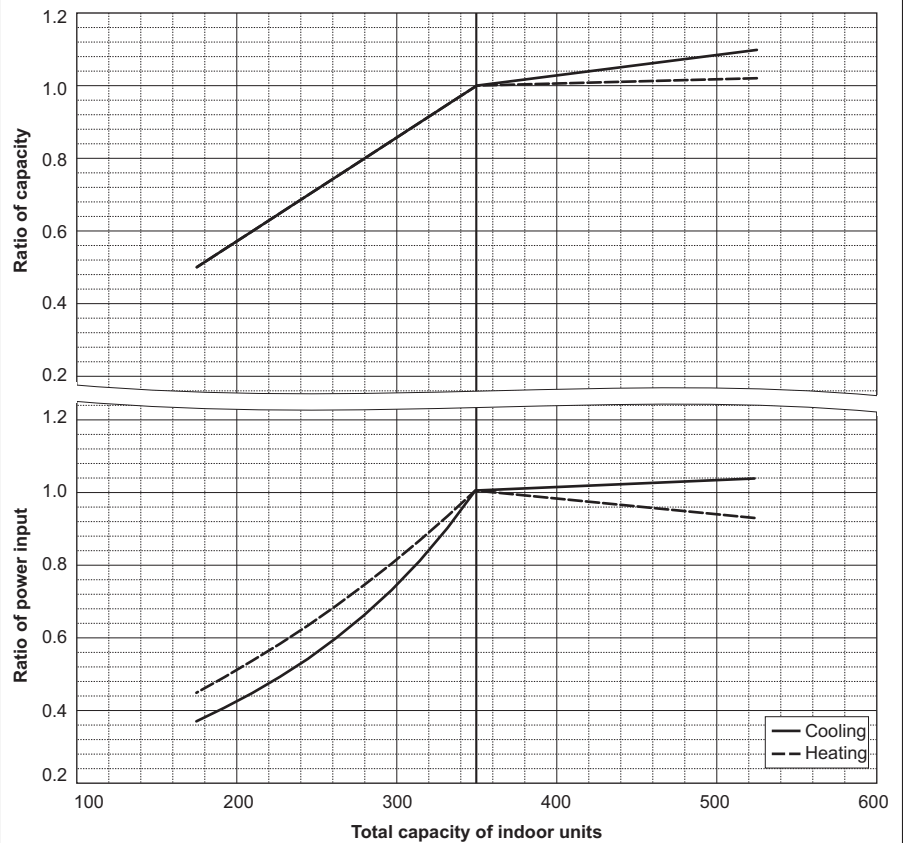
PURY-P300YJM-A



PURY-P350YJM-A		
Nominal Cooling Capacity	kW	40.0
	BTU/h	136,500
Input	kW	11.33

PURY-P350YJM-A		
Nominal Heating Capacity	kW	45.0
	BTU/h	153,500
Input	kW	10.89

PURY-P350YJM-A



R2

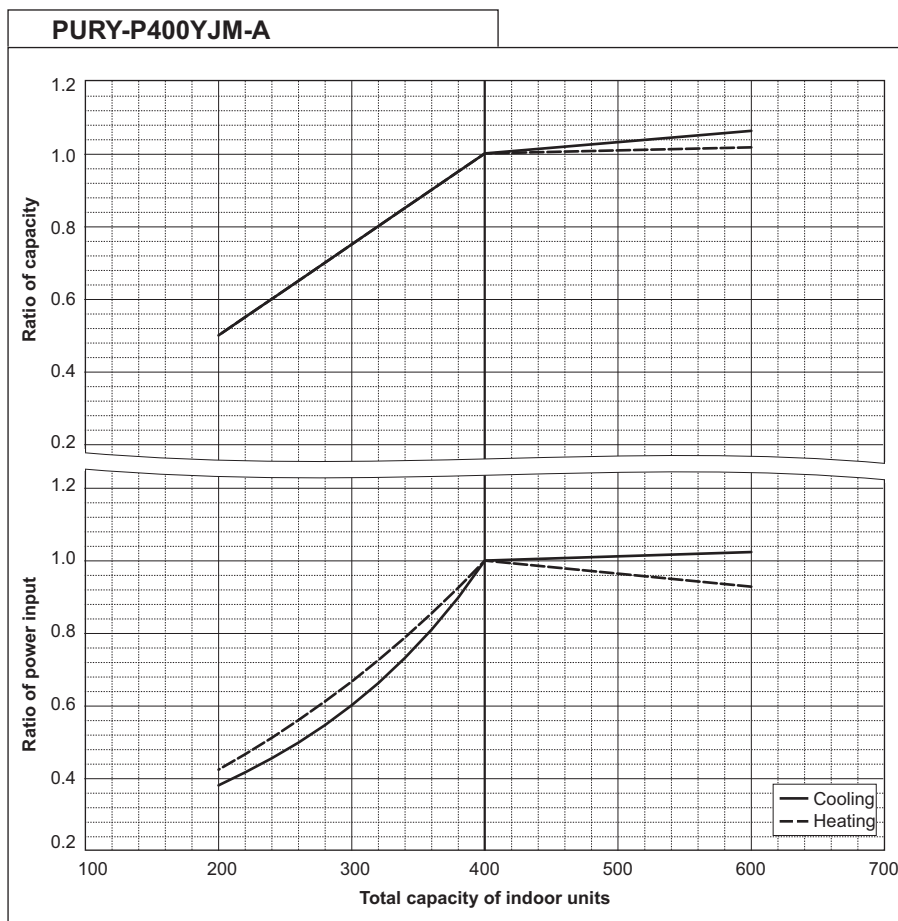
6. CAPACITY TABLES

G10 2nd

R2

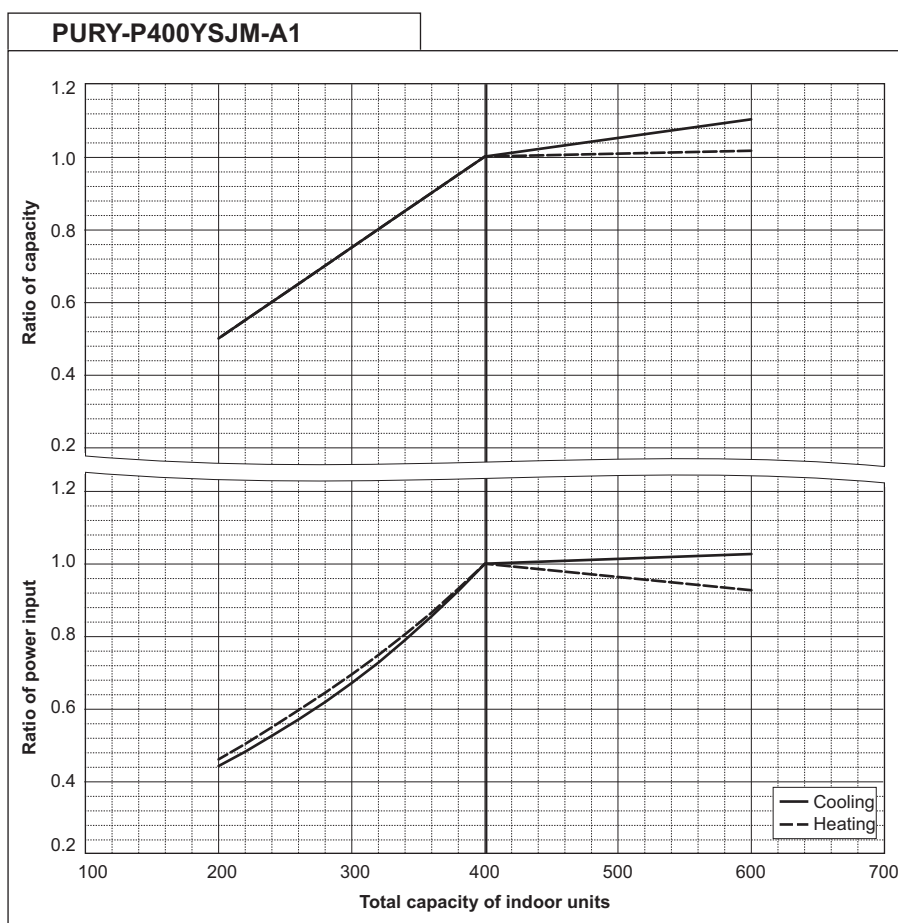
PURY-P400YJM-A		
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	13.55

PURY-P400YJM-A		
Nominal Heating Capacity	kW	50.0
	BTU/h	170,600
Input	kW	12.75



PURY-P400YSJM-A1		
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	10.73

PURY-P400YSJM-A1		
Nominal Heating Capacity	kW	50.0
	BTU/h	170,600
Input	kW	11.62

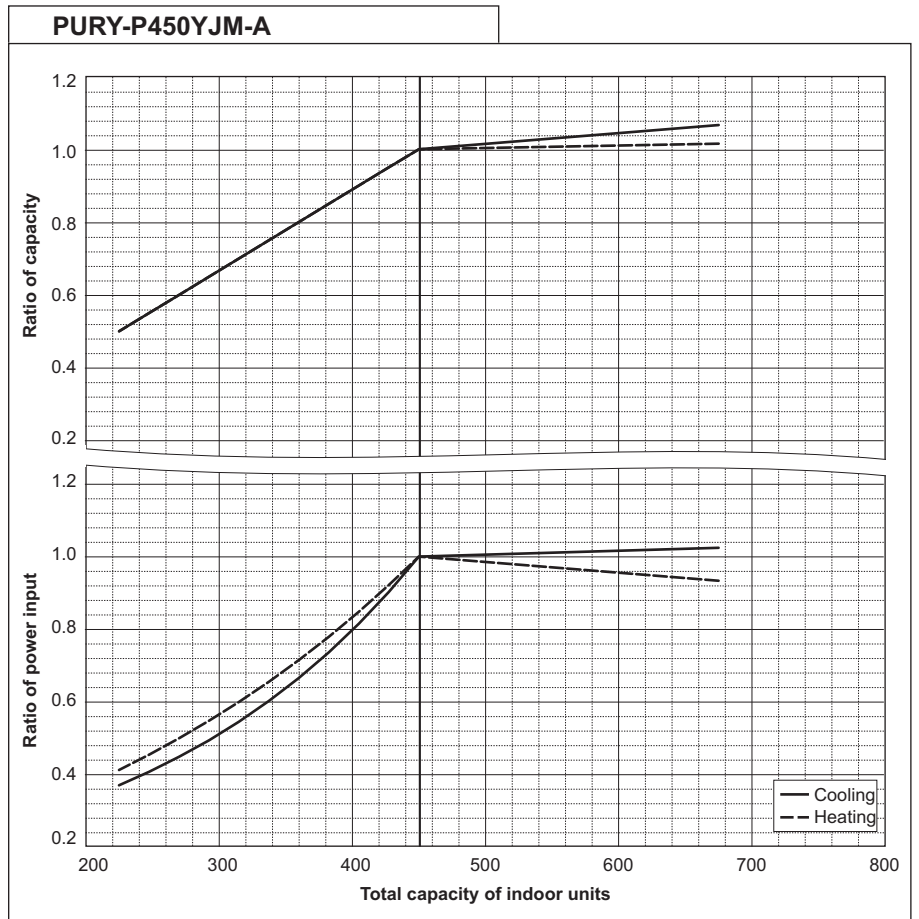


6. CAPACITY TABLES

G10 2nd

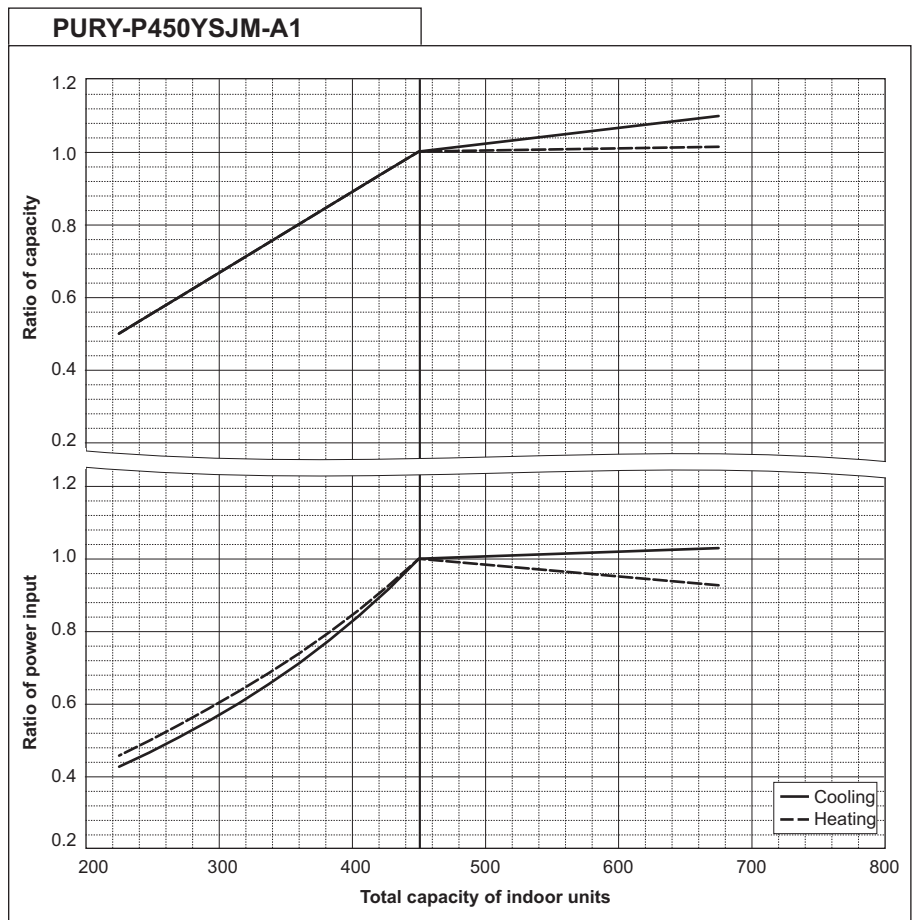
PURY-P450YJM-A		
Nominal Cooling Capacity	kW	50.0
	BTU/h	170,600
Input	kW	14.49

PURY-P450YJM-A		
Nominal Heating Capacity	kW	56.0
	BTU/h	191,100
Input	kW	14.58



PURY-P450YSJM-A1		
Nominal Cooling Capacity	kW	50.0
	BTU/h	170,600
Input	kW	12.50

PURY-P450YSJM-A1		
Nominal Heating Capacity	kW	56.0
	BTU/h	191,100
Input	kW	13.30



R2

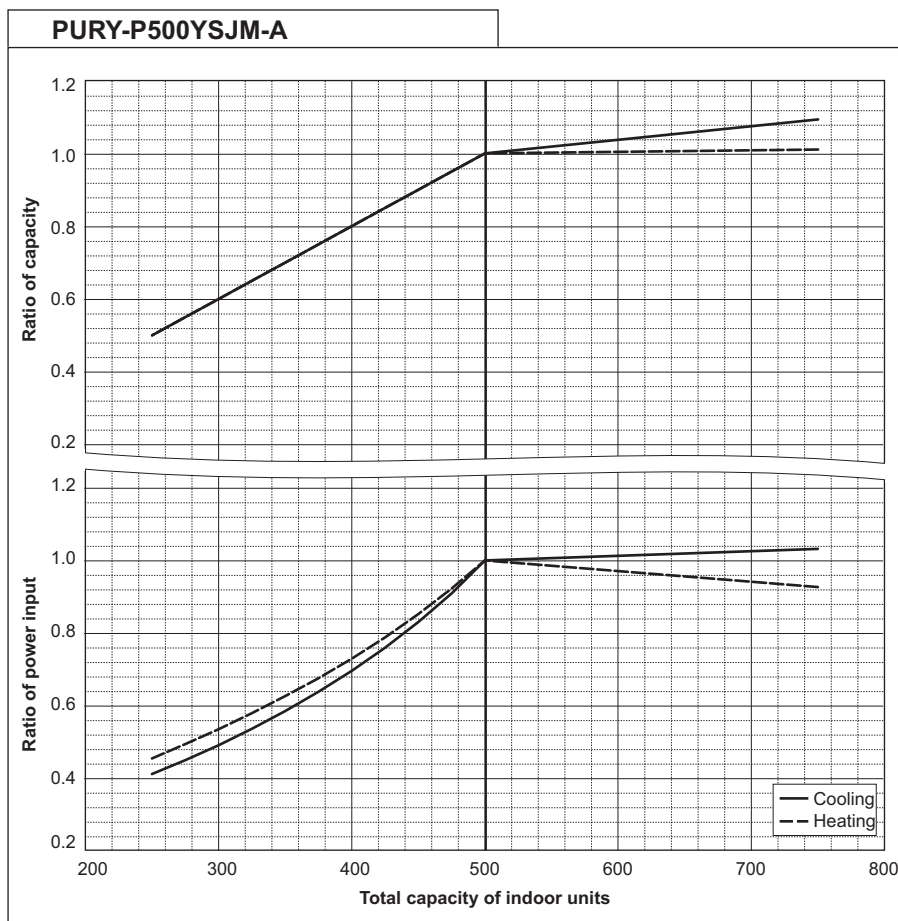
6. CAPACITY TABLES

G10 2nd

R2

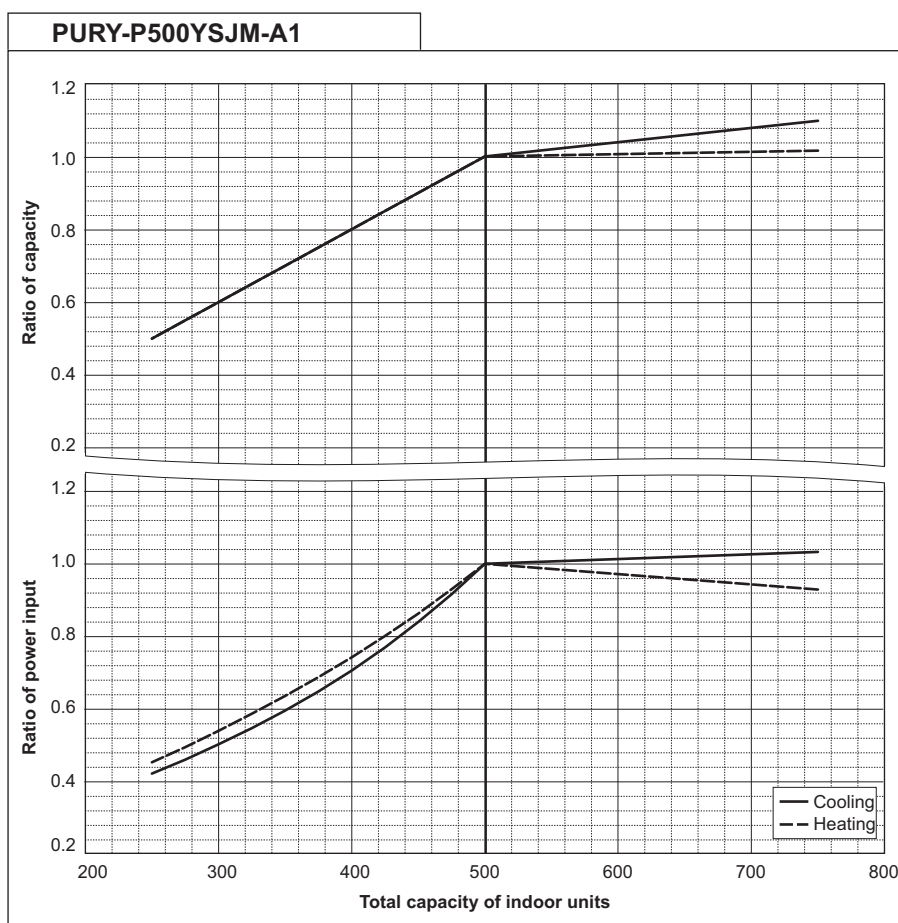
PURY-P500YSJM-A		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	14.85

PURY-P500YSJM-A		
Nominal Heating Capacity	kW	63.0
	BTU/h	215,000
Input	kW	15.10



PURY-P500YSJM-A1		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	14.73

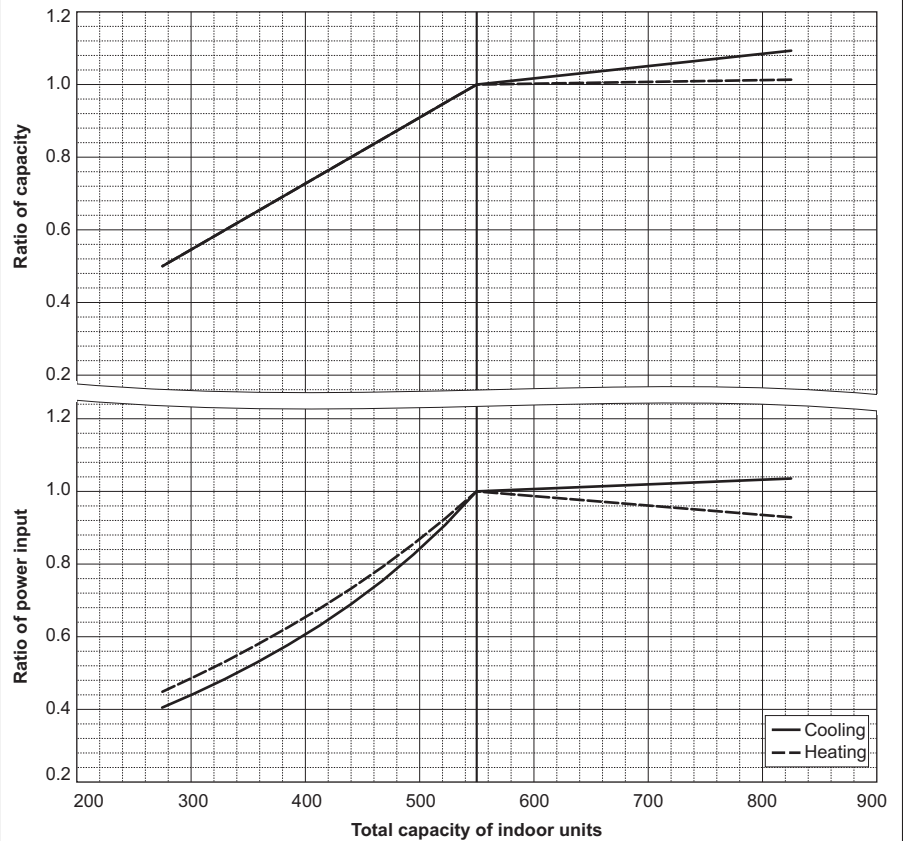
PURY-P500YSJM-A1		
Nominal Heating Capacity	kW	63.0
	BTU/h	215,000
Input	kW	15.07



PURY-P550YSJM-A		
Nominal Cooling Capacity	kW	63.0
	BTU/h	215,000
Input	kW	17.30

PURY-P550YSJM-A		
Nominal Heating Capacity	kW	69.0
	BTU/h	235,400
Input	kW	16.95

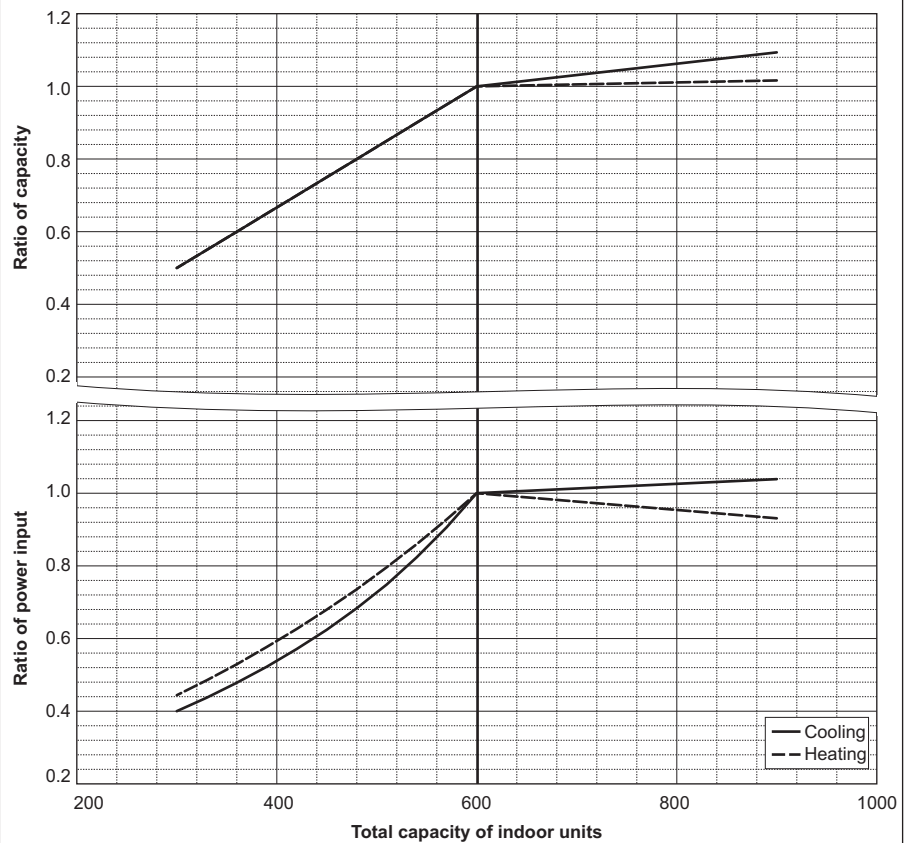
PURY-P550YSJM-A



PURY-P600YSJM-A		
Nominal Cooling Capacity	kW	69.0
	BTU/h	235,400
Input	kW	19.65

PURY-P600YSJM-A		
Nominal Heating Capacity	kW	76.5
	BTU/h	261,000
Input	kW	19.07

PURY-P600YSJM-A



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6. CAPACITY TABLES

G10 2nd

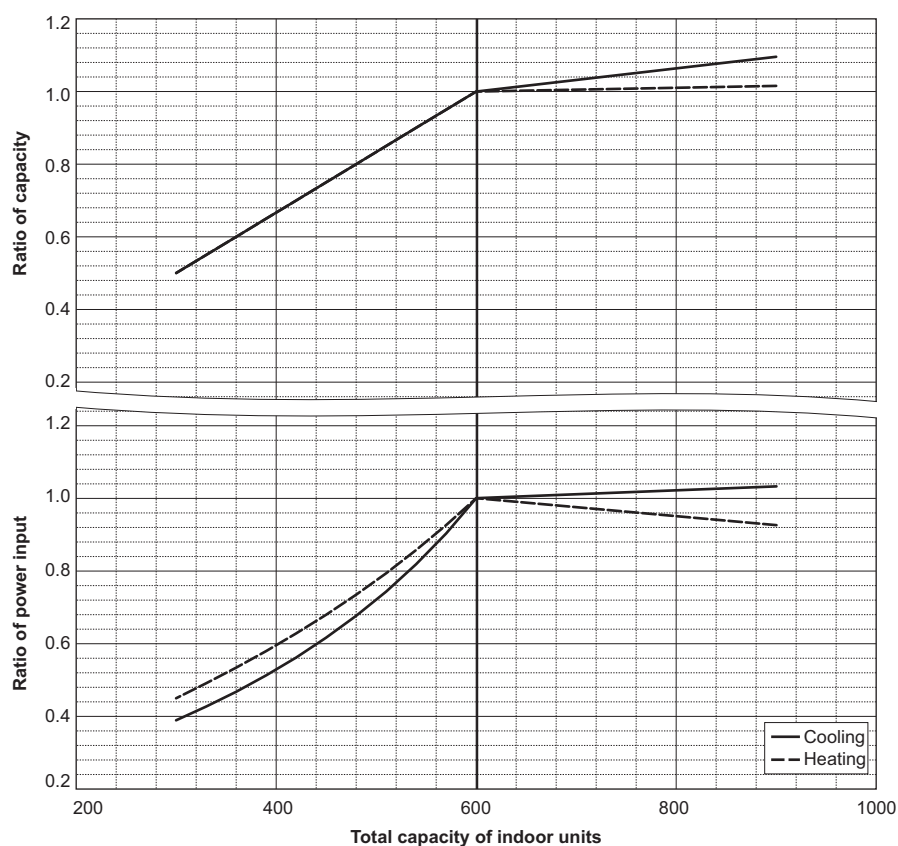
PURY-P600YSJM-A1

Nominal Cooling Capacity	kW	69.0
	BTU/h	235,400
Input	kW	19.16

PURY-P600YSJM-A1

Nominal Heating Capacity	kW	76.5
	BTU/h	261,000
Input	kW	18.61

PURY-P600YSJM-A1



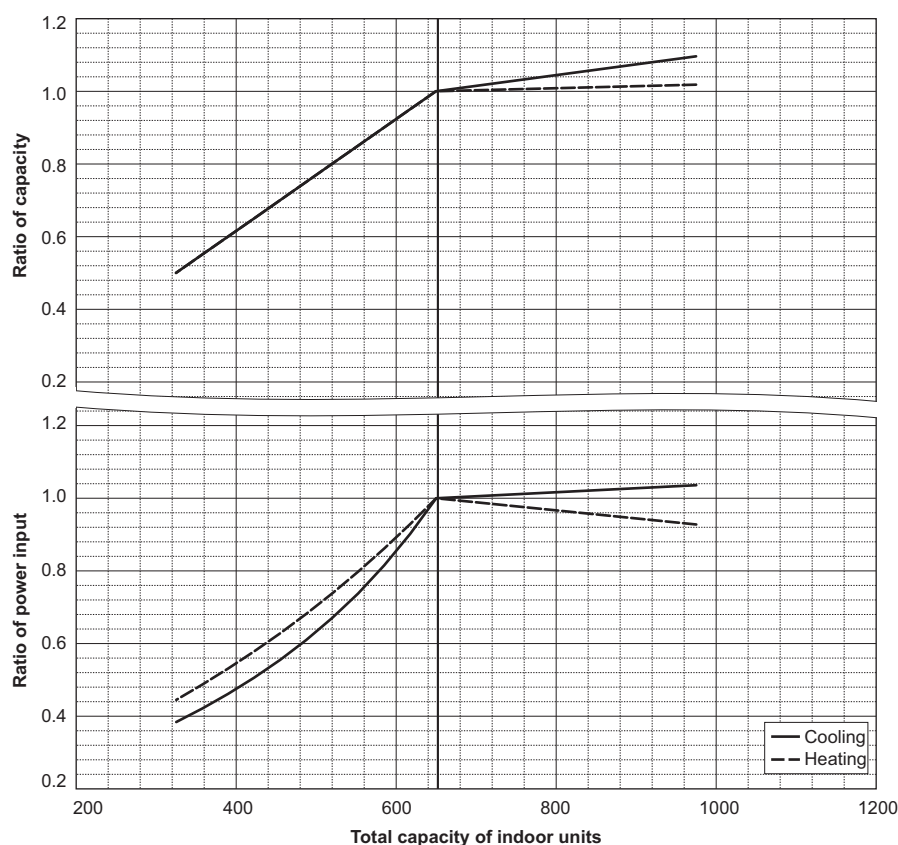
PURY-P650YSJM-A

Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	21.53

PURY-P650YSJM-A

Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	20.47

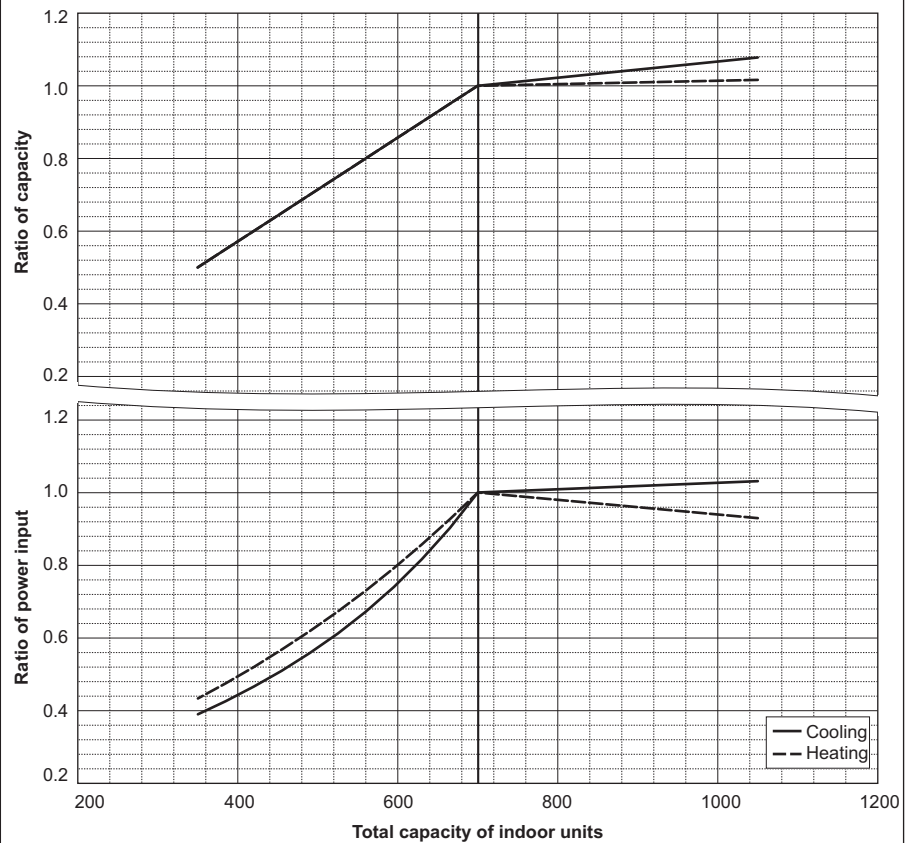
PURY-P650YSJM-A



PURY-P700YSJM-A		
Nominal Cooling Capacity	kW	80.0
	BTU/h	273,000
Input	kW	23.95

PURY-P700YSJM-A		
Nominal Heating Capacity	kW	88.0
	BTU/h	300,300
Input	kW	22.33

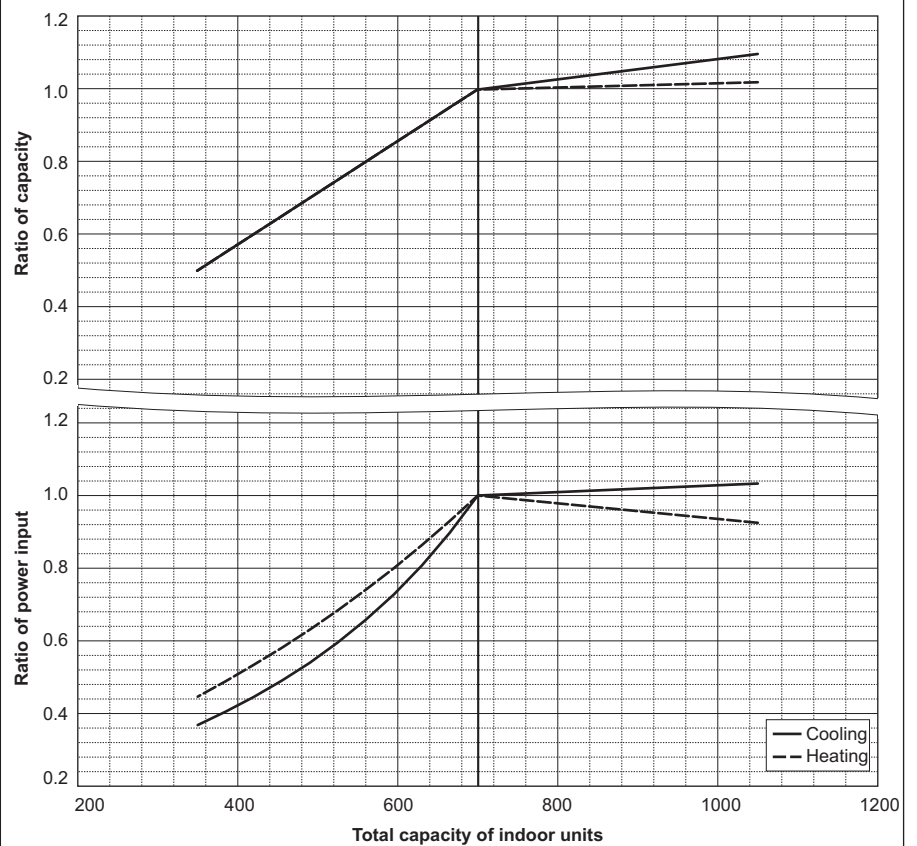
PURY-P700YSJM-A



PURY-P700YSJM-A1		
Nominal Cooling Capacity	kW	80.0
	BTU/h	273,000
Input	kW	23.39

PURY-P700YSJM-A1		
Nominal Heating Capacity	kW	88.0
	BTU/h	300,300
Input	kW	21.78

PURY-P700YSJM-A1



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6. CAPACITY TABLES

G10 2nd

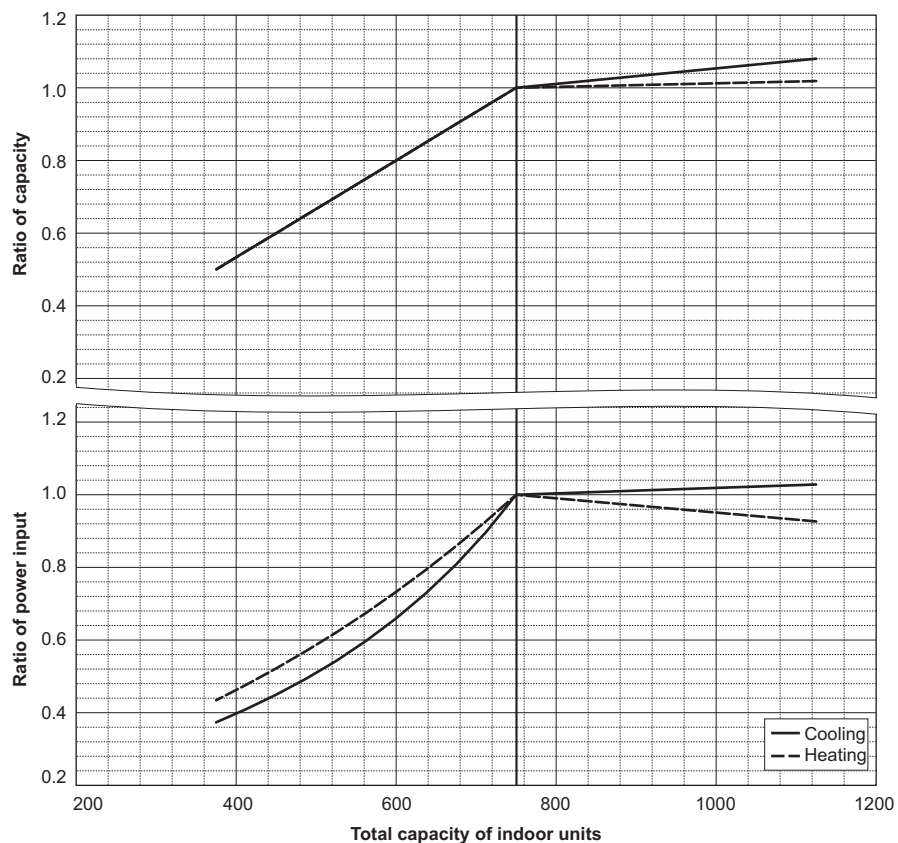
PURY-P750YSJM-A

Nominal Cooling Capacity	kW	85.0
	BTU/h	290,000
Input	kW	26.47

PURY-P750YSJM-A

Nominal Heating Capacity	kW	95.0
	BTU/h	324,100
Input	kW	24.05

PURY-P750YSJM-A



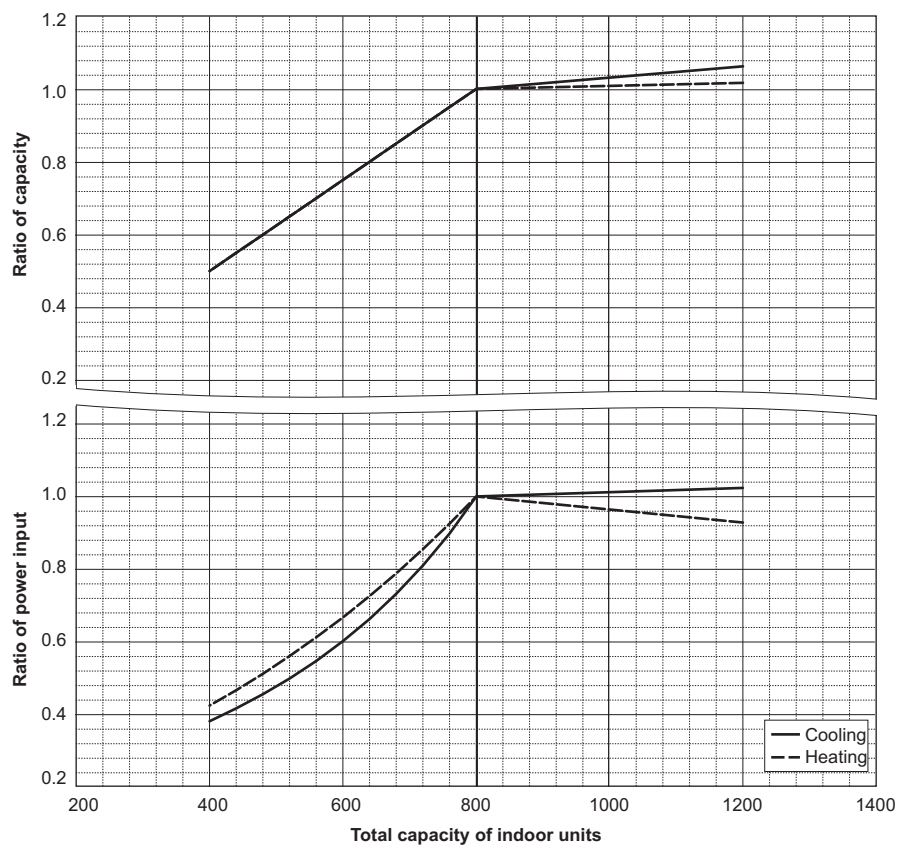
PURY-P800YSJM-A

Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	28.30

PURY-P800YSJM-A

Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	26.04

PURY-P800YSJM-A



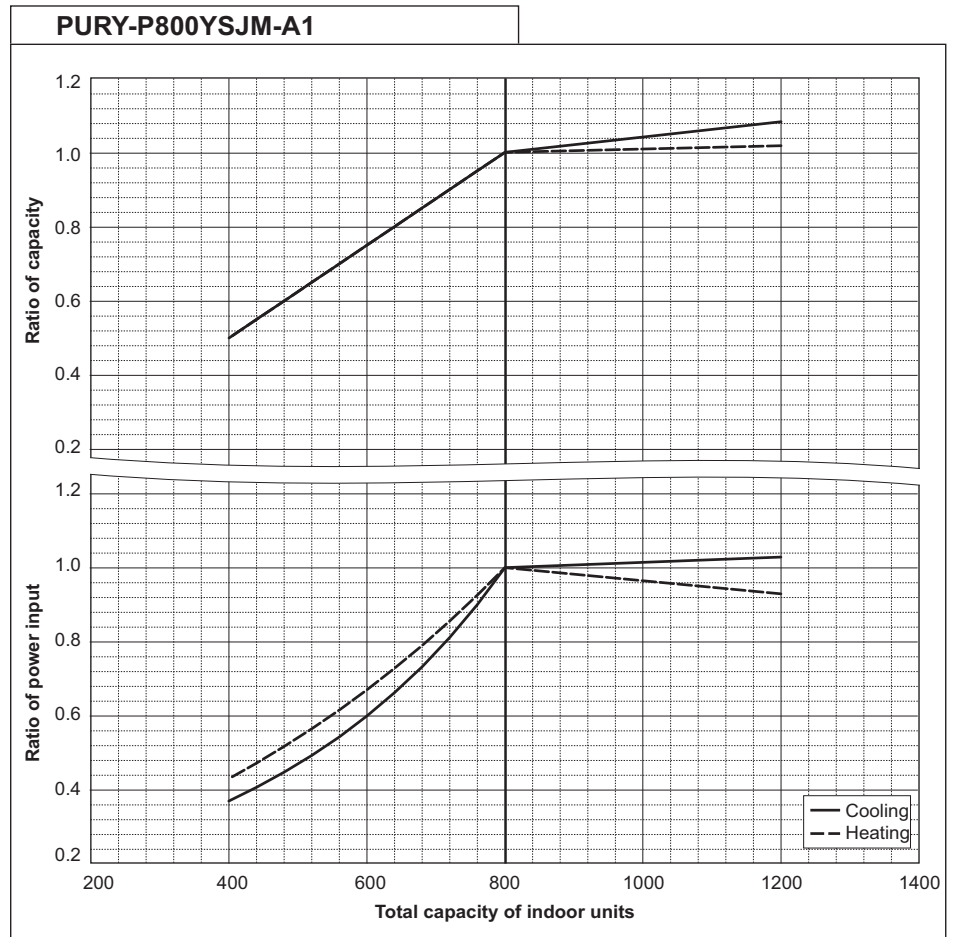
6. CAPACITY TABLES

G10 2nd

R2

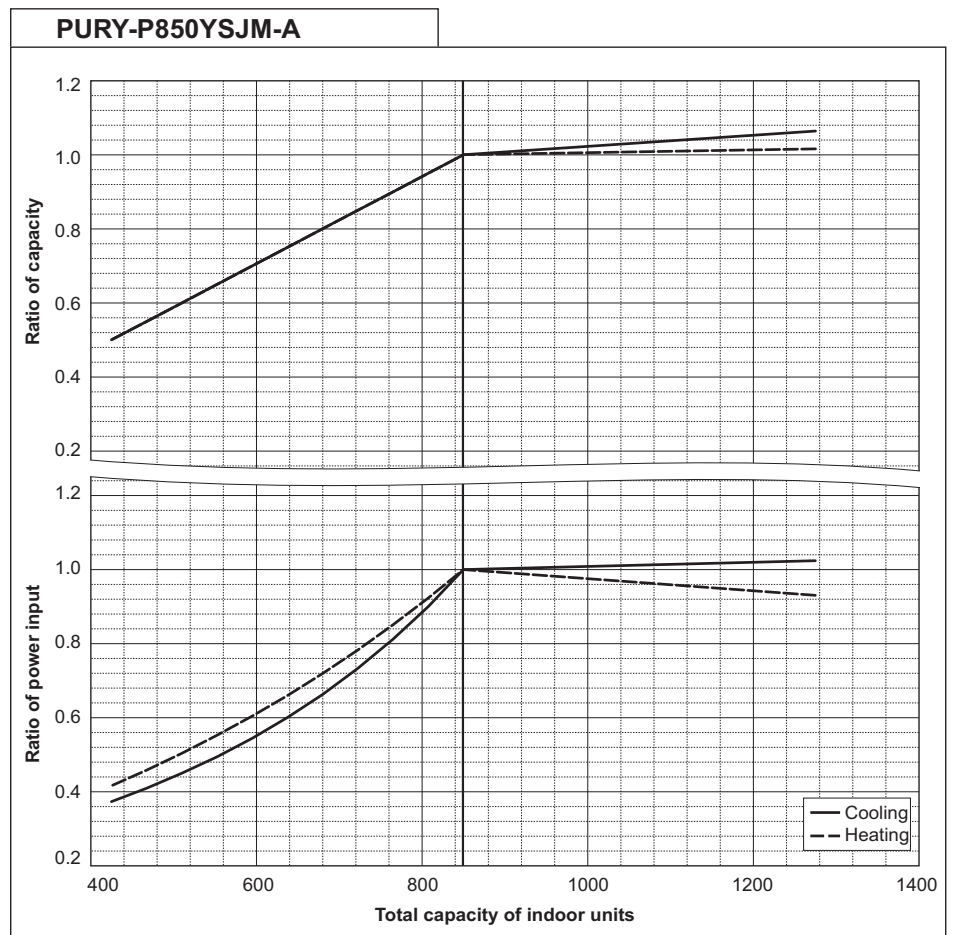
PURY-P800YSJM-A1		
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	26.62

PURY-P800YSJM-A1		
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.77



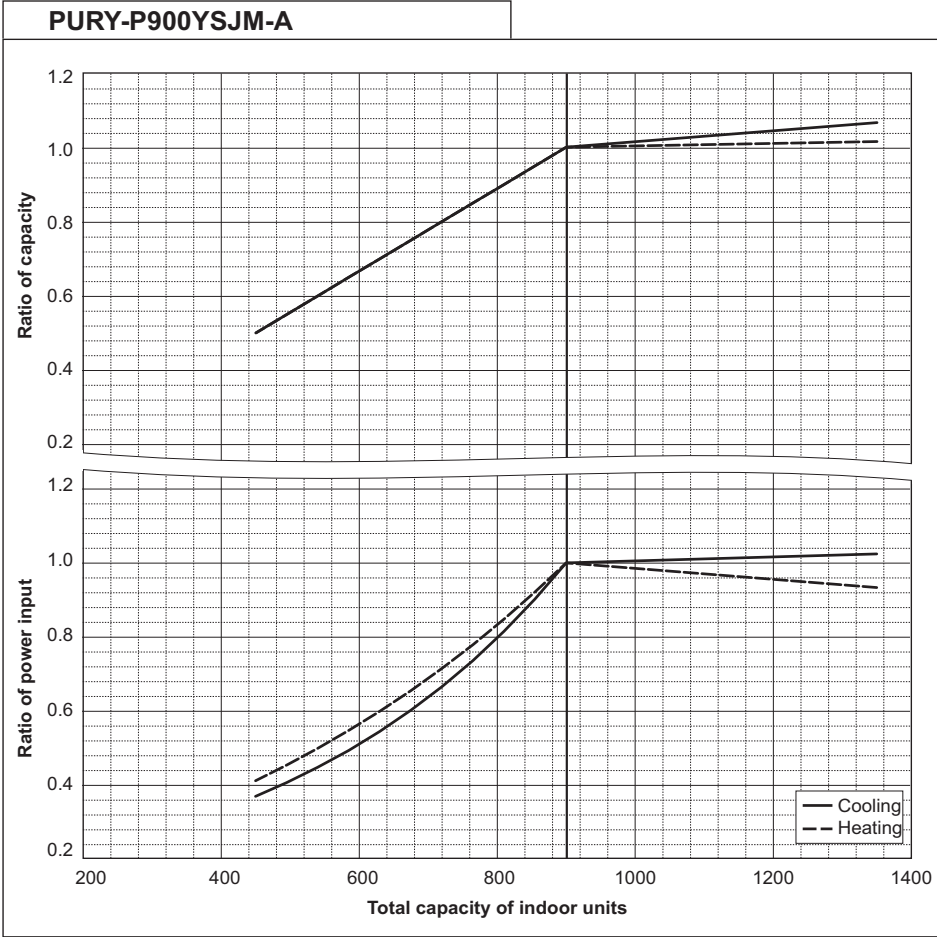
PURY-P850YSJM-A		
Nominal Cooling Capacity	kW	96.0
	BTU/h	327,600
Input	kW	29.26

PURY-P850YSJM-A		
Nominal Heating Capacity	kW	108.0
	BTU/h	368,500
Input	kW	28.42



PURY-P900YSJM-A		
Nominal Cooling Capacity	kW	101.0
	BTU/h	344,600
Input	kW	30.23

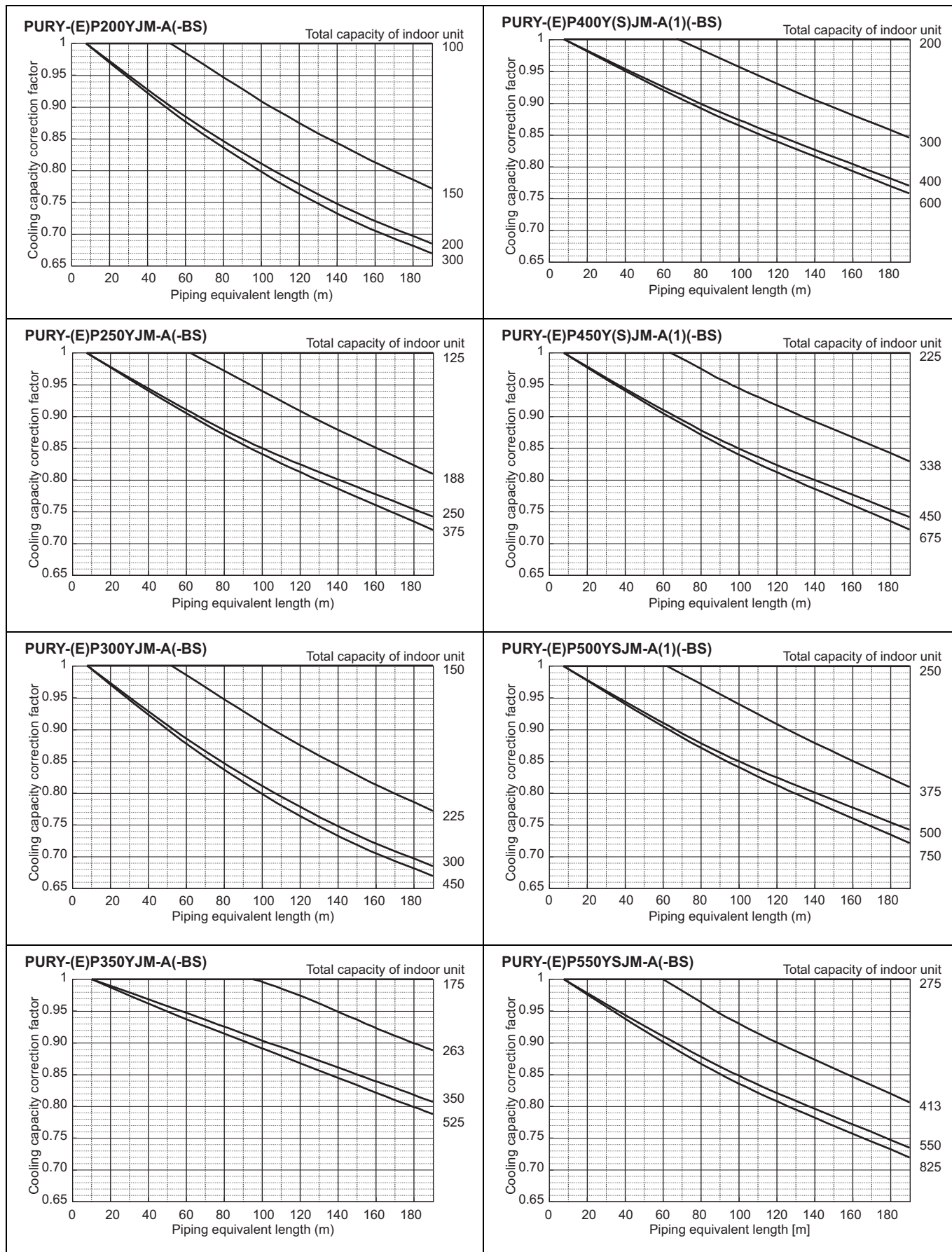
PURY-P900YSJM-A		
Nominal Heating Capacity	kW	113.0
	BTU/h	385,600
Input	kW	30.05



6-3. Correction by refrigerant piping length

CITY MULTI system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 6-3-1 and 6-3-2, the capacity can be observed. 6-3-3 shows how to obtain the equivalent length of piping.

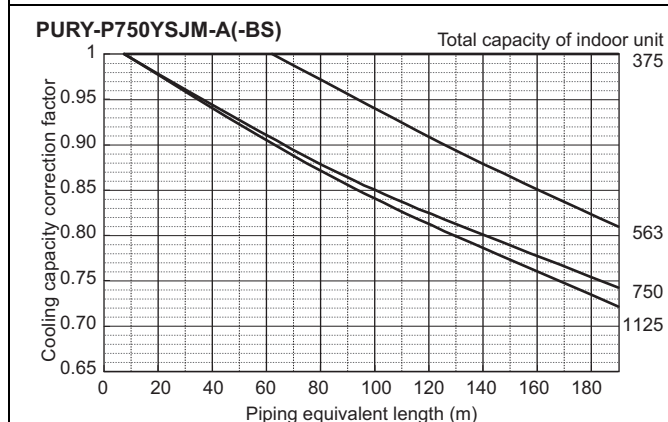
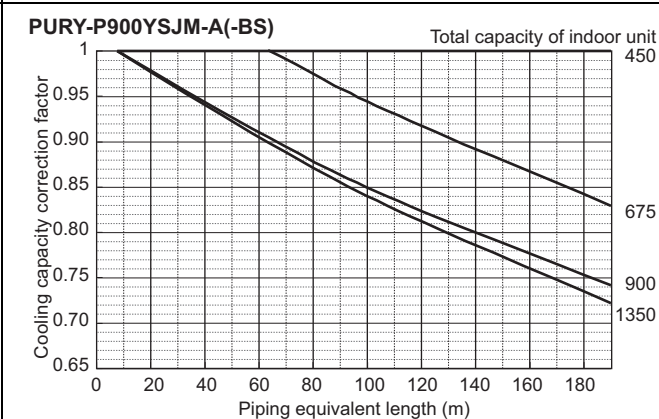
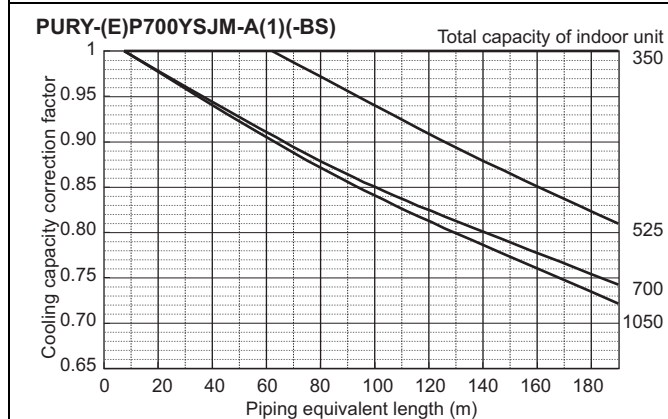
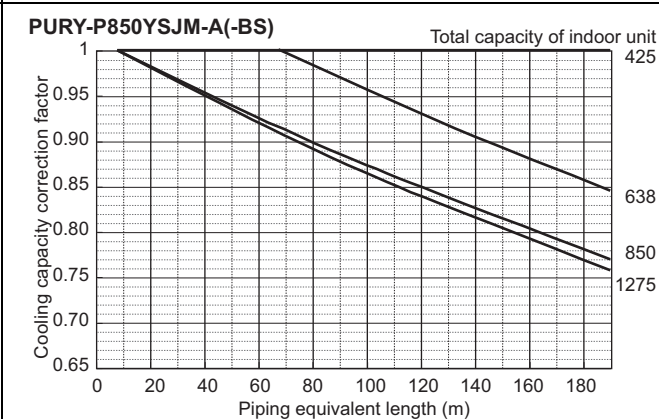
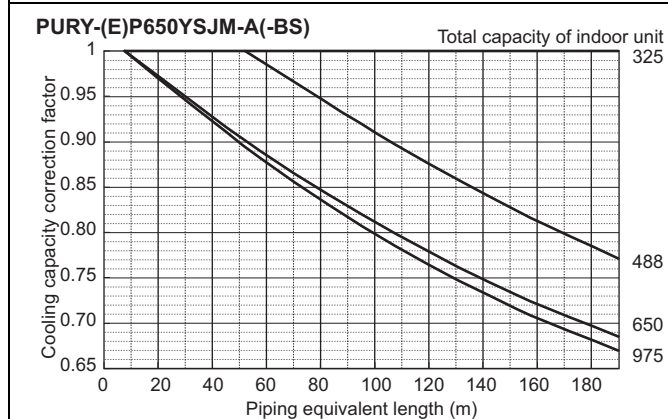
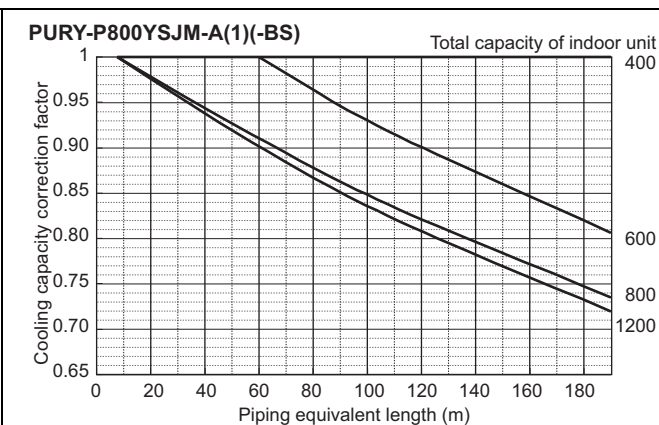
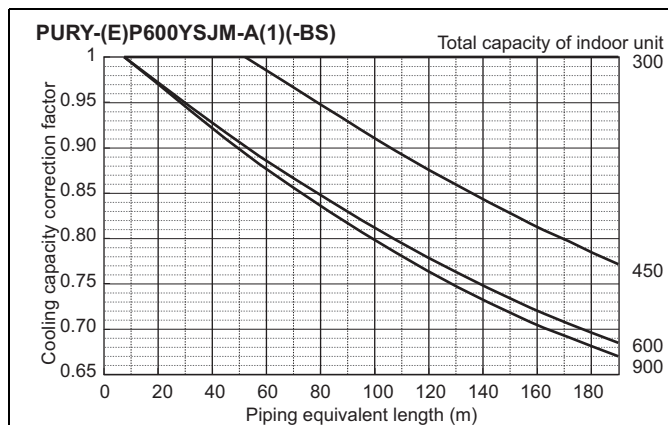
6-3-1. Cooling capacity correction



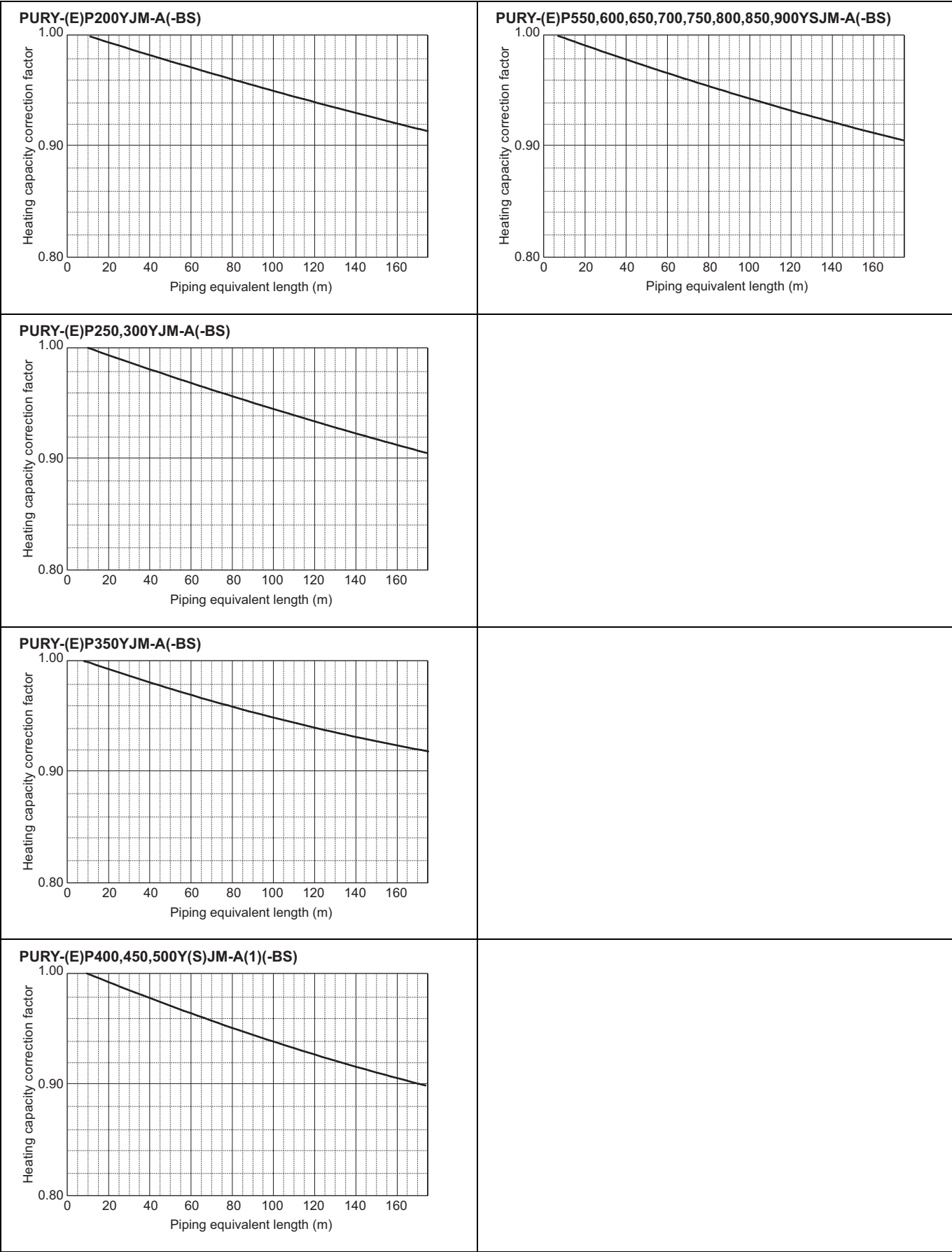
6. CAPACITY TABLES

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R2



6-3-2. Heating capacity correction



6-3-3. How to obtain the equivalent piping length**1 PURY-(E)P200YJM-A(-BS)**

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bends in the piping) m

2 PURY-(E)P250,300YJM-A(-BS)

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 x number of bends in the piping) m

3 PURY-(E)P350YJM-A(-BS)

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bends in the piping) m

4 PURY-(E)P400,450,500,550,600,650Y(S)JM-A(1)(-BS)

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bends in the piping) m

5 PURY-(E)P700,750,800YSJM-A(1)(-BS)

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 x number of bends in the piping) m

6 PURY-P850,900YSJM-A(-BS)

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.80 x number of bends in the piping) m

6-4. Correction by port counts of the BC controller

Indoor unit sizes P200 and P250 must be connected to 2 ports on the BC controller.

Indoor unit sizes from P100 to P140 should normally be connected to 2 ports on the BC controller (set BC controller DIP-SW 4-6 to its ON position).

In cases whereby indoor unit sizes from P100 to P140 are connected to only 1 port on the BC controller (set BC controller DIP-SW 4-6 to its OFF position), the cooling capacity of the indoor unit should be multiplied by a correction factor of **0.97**.

6-5. Correction at frost and defrost

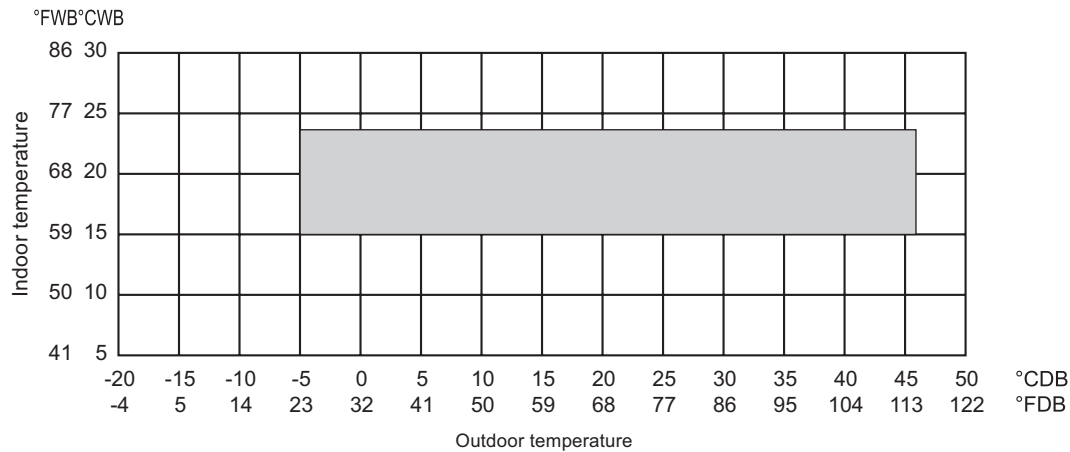
Due to frosting at the outdoor heat exchanger and the automatic defrosting operation, the heating capacity of the outdoor unit should be considered by multiplying the correction factor shown in the table below.

Table of correction factor at frosting and defrosting

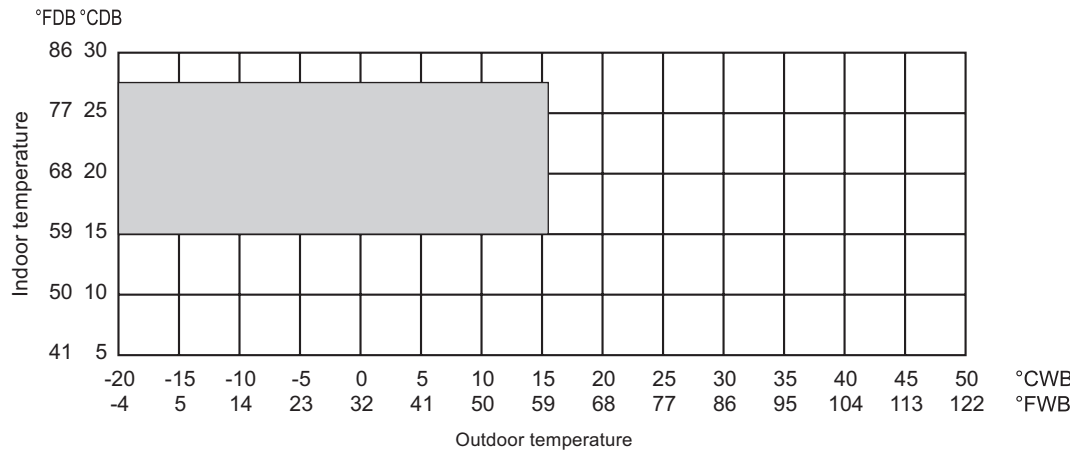
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PURY-(E)P200YJM-A(-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PURY-(E)P250YJM-A(-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PURY-(E)P300YJM-A(-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PURY-(E)P350YJM-A(-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.95	0.95	0.95
PURY-(E)P400Y(S)JM-A(1)(-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PURY-(E)P450Y(S)JM-A(1)(-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-(E)P500YSJM-A(1)(-BS)	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-(E)P550YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PURY-(E)P600YSJM-A(1)(-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PURY-(E)P650YSJM-A(-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PURY-(E)P700YSJM-A(1)(-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-P750YSJM-A(-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-P800YSJM-A(1)(-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-P850YSJM-A(-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PURY-P900YSJM-A(-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95

6-6. Operation temperature range

• Cooling



• Heating



• Combination of cooling/heating operation (Cooling main or Heating main)

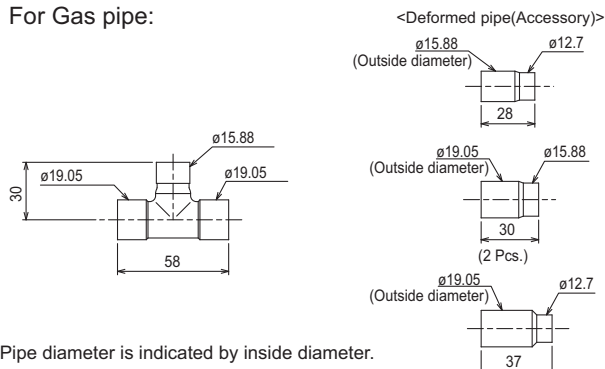
Outdoor temperature	Indoor temperature	
	Cooling	Heating
-5 to 21°CDB (23 to 70°FDB)	—	15 to 27°CDB (59 to 81°FDB)
-6 to 15.5°CWB (21 to 60°FWB)	15 to 24°CWB (59 to 75°FWB)	—

7-1. JOINT

CITY MULTI units can be easily connected by using Joint sets and Header sets provided by Mitsubishi Electric. Three kinds of Joint sets are available for use. Refer to section 3 in "System Design" or the Installation Manual that comes with the Joint set for how to install the Joint set.

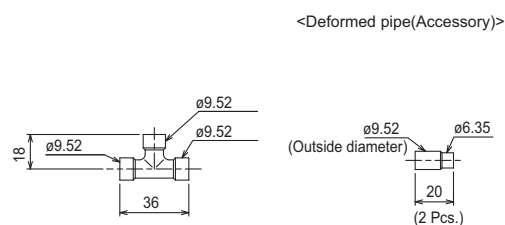
CMY-Y102SS-G2

For Gas pipe:



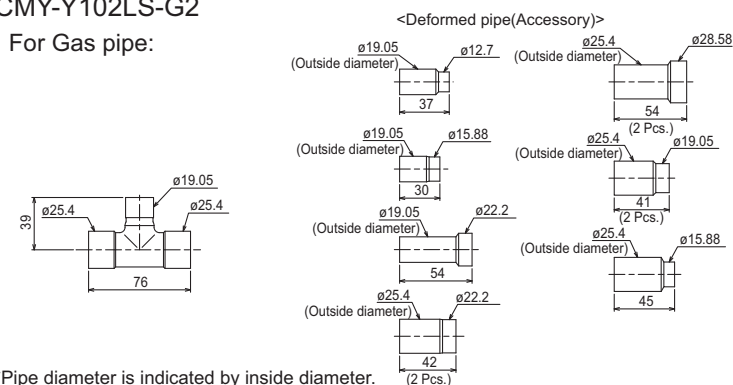
*Pipe diameter is indicated by inside diameter.

For Liquid pipe:



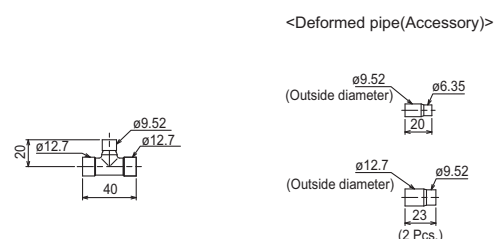
CMY-Y102LS-G2

For Gas pipe:



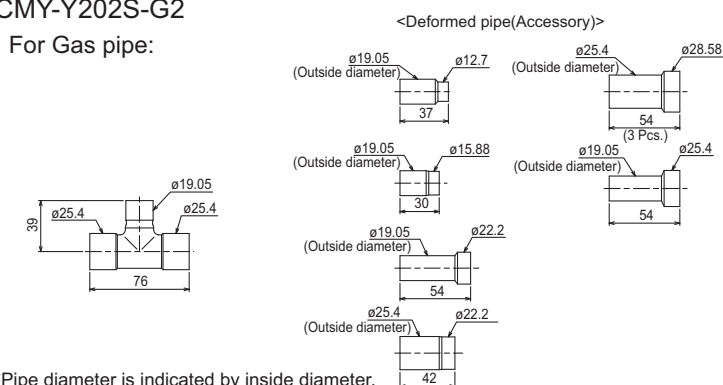
*Pipe diameter is indicated by inside diameter.

For Liquid pipe:



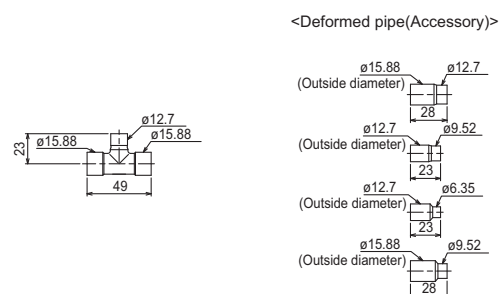
CMY-Y202S-G2

For Gas pipe:



*Pipe diameter is indicated by inside diameter.

For Liquid pipe:

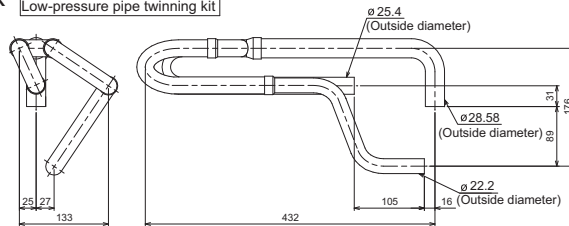


7-2. OUTDOOR TWINNING KIT

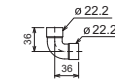
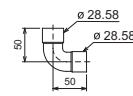
The following optional Outdoor Twinning Kit is needed to use to combine multiple refrigerant pipes. Refer to the chapter entitled System Design Section for the details of selecting a proper twinning kit.

CMY-R100VBK

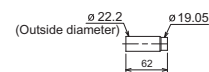
Low-pressure pipe twinning kit



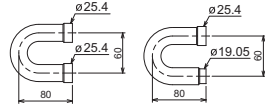
<Elbow pipe(Accessory)>



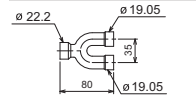
<Deformed pipe(Accessory)>



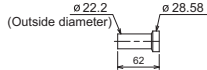
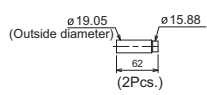
<Low-pressure pipe twinning kit(Accessory)>



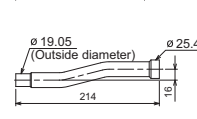
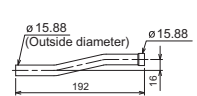
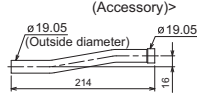
High-pressure twinning pipe



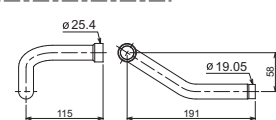
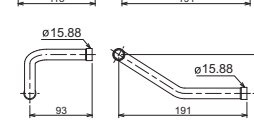
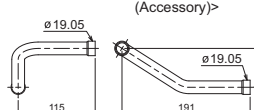
<Deformed pipe(Accessory)>



<Pipe for routing through the bottom (Accessory)>



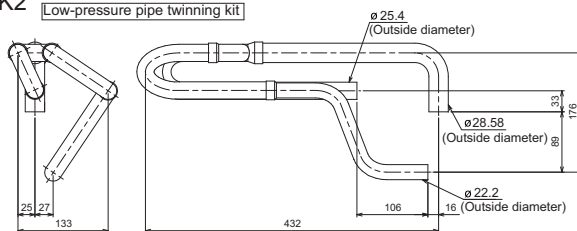
<Pipe for routing through the front (Accessory)>



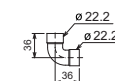
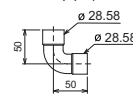
R2

CMY-R100VBK2

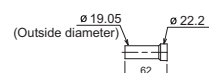
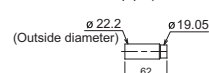
Low-pressure pipe twinning kit



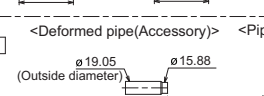
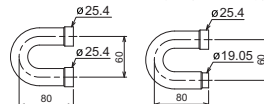
<Elbow pipe(Accessory)>



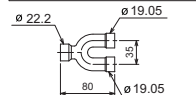
<Deformed pipe(Accessory)>



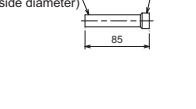
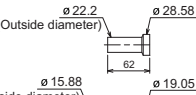
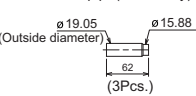
<Low-pressure pipe twinning kit(Accessory)>



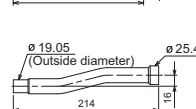
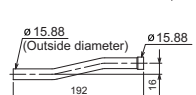
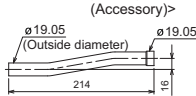
High-pressure twinning pipe



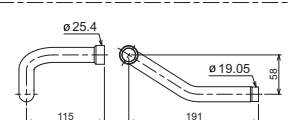
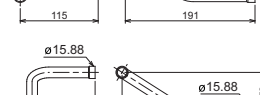
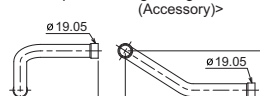
<Deformed pipe(Accessory)>



<Pipe for routing through the bottom (Accessory)>

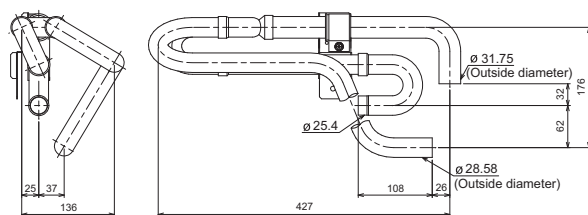


<Pipe for routing through the front (Accessory)>

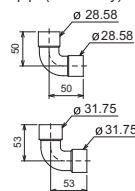


CMY-R200VBK

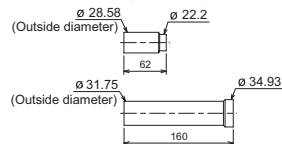
Low-pressure pipe twinning kit



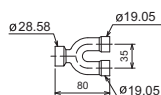
<Elbow pipe(Accessory)>



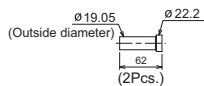
<Deformed pipe(Accessory)>



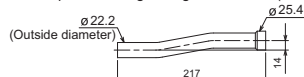
High-pressure twinning pipe



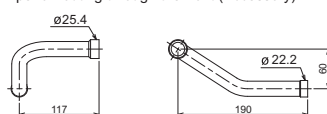
<Deformed pipe(Accessory)>



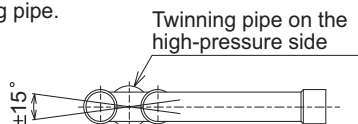
<Pipe for routing through the bottom (Accessory)>



<Pipe for routing through the front (Accessory)>



Note 1. Refer to the figure below for the installation position of the twinning pipe.

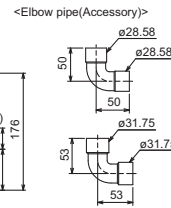
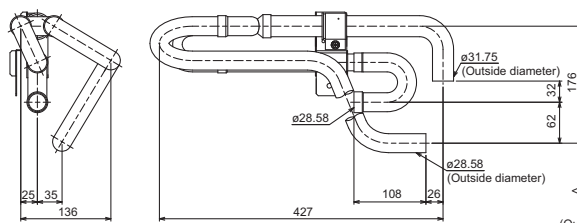


Slope of the twinning pipe is at an angle within $\pm 15^\circ$ to the horizontal plane.

2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts) .

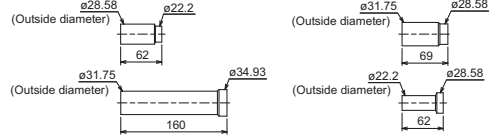
CMY-R100XLVBK

Low-pressure pipe twinning kit

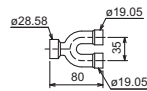


- <Accessory> Fixing screw ... 1
Pipe cover ... 1
Cable tie ... 2
Insulation cover ... 1

<Deformed pipe (Accessory)>



High-pressure twinning pipe



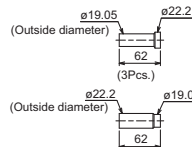
<Pipe for routing through the bottom (Accessory)>



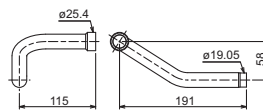
Note 1. Refer to the figure below for the installation position of the high-pressure twinning pipe.

Inclination tolerance of the high-pressure twinning pipe is $\pm 15^\circ$ relative to the ground.

<Deformed pipe (Accessory)>



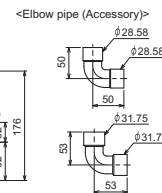
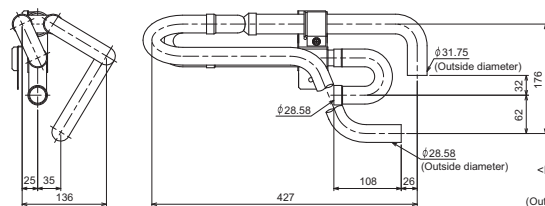
<Pipe for routing through the front (Accessory)>



2. Pipe diameter is indicated by inside diameter.

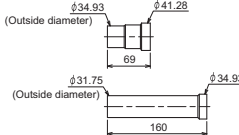
CMY-R200XLVBK

Low-pressure pipe twinning kit

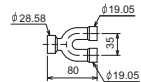


- <Accessory> Fixing screw ... 1
Pipe cover ... 1
Cable tie ... 2
Insulation cover ... 1

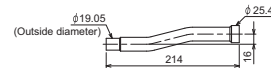
<Deformed pipe (Accessory)>



High-pressure twinning pipe



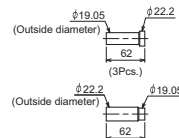
<Pipe for routing through the bottom (Accessory)>



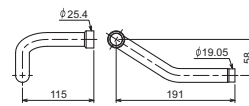
Note 1. Refer to the figure below for the installation position of the high-pressure twinning pipe.

Inclination tolerance of the high-pressure twinning pipe is $\pm 15^\circ$ relative to the ground.

<Deformed pipe (Accessory)>

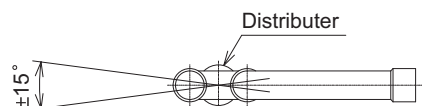


<Pipe for routing through the front (Accessory)>



2. Pipe diameter is indicated by inside diameter.

Note 1. Reference the attitude angle of the branch pipe below the fig.



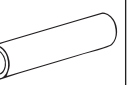
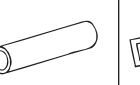
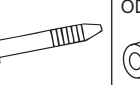
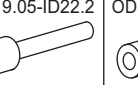
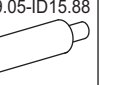
The angle of the branch pipe for high pressure is within $\pm 15^\circ$ against the horizontal plane.

2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts) .

7-3. JOINT KIT "CMY-R160-J1" FOR BC CONTROLLER

Joint kit "CMY-R160-J1" for BC controller is used to combine 2 ports of the BC controller at a PURY-(E)P-Y(S)JM-A system so as to enable down-stream Indoor capacity above P80 as shown in Fig. 1.

The Joint kit include following items:

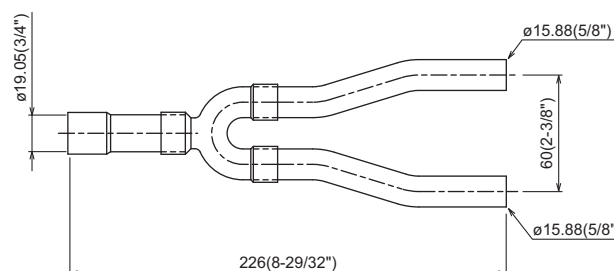
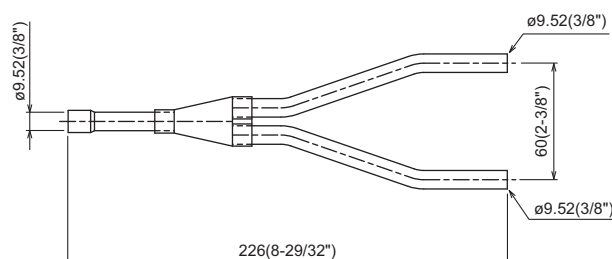
① Instruction	② Joint pipe(Small)	③ Joint pipe(Large)	④ Cover 1	⑤ Cover 2	⑥ Cover 3	⑦ Band	⑧ Reducer 1	⑨ Reducer 2
								
This sheet 1pc	1pc	1pc	2pcs	1pc for gas side	1pc for liquid side	8pcs	1pc	1pc

Please prepare the following items in the field. ① Tape for insulation material sealing ② Extension pipe for refrigerant circuit Ref.: WT05840X01_01

② Joint pipe (for liquid side)

③ Joint pipe (for gas side)

mm(in.)



1. Designing CMY-R160-J1 to a PURY-(E)P-Y(S)JM-A system

The maximum down-stream Indoor capacity for 1 port of BC controller is P80. When the down-stream Indoor capacity is above P80, Joint kit CMY-R160-J1 is needed to combined 2 ports of BC controller to enlarge the capacity, like Group 2 and 3 in Fig. 1.

Maximum 3 Indoor units are allowed to connect to 1 port of BC controller or 2 combined ports of BC controller using CMY-R160-J1.

When connecting Indoor units to 1 port of BC controller or 2 combined ports of BC controller using CMY-R160-J1 or CMY-Y102SS-G2 is applicable, like Group 1 and 2 in Fig. 1

Caution: Mixed cooling and heating mode at the same time for Indoor units connecting to 1 port or 2 combined ports is not available.

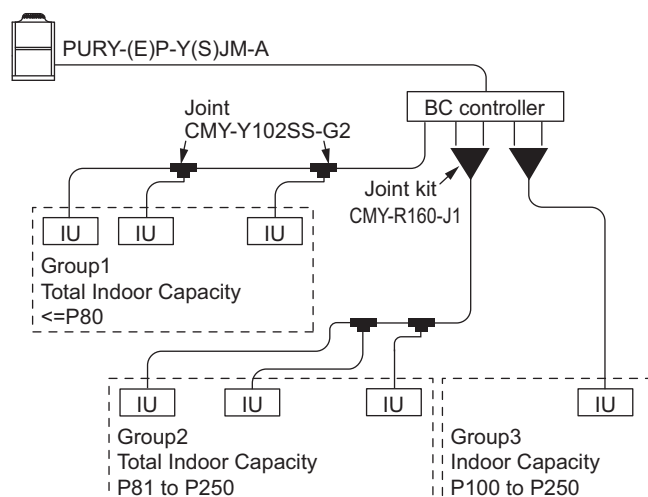


Fig. 1. CMY-R160-J1 applying scheme

Ref.: WT05840X01_02

2. Piping at the installation site

The connection of CMY-R160-J1 to BC controller and pipe leading to Indoor units is referable to Fig. 2. Non-oxidized brazing is necessary. All piping must be careful to avoid foreign material getting inside.

After piping and air-tight testing, insulation work to the Joint and pipe should be done. Details is available at the Installation Manual.

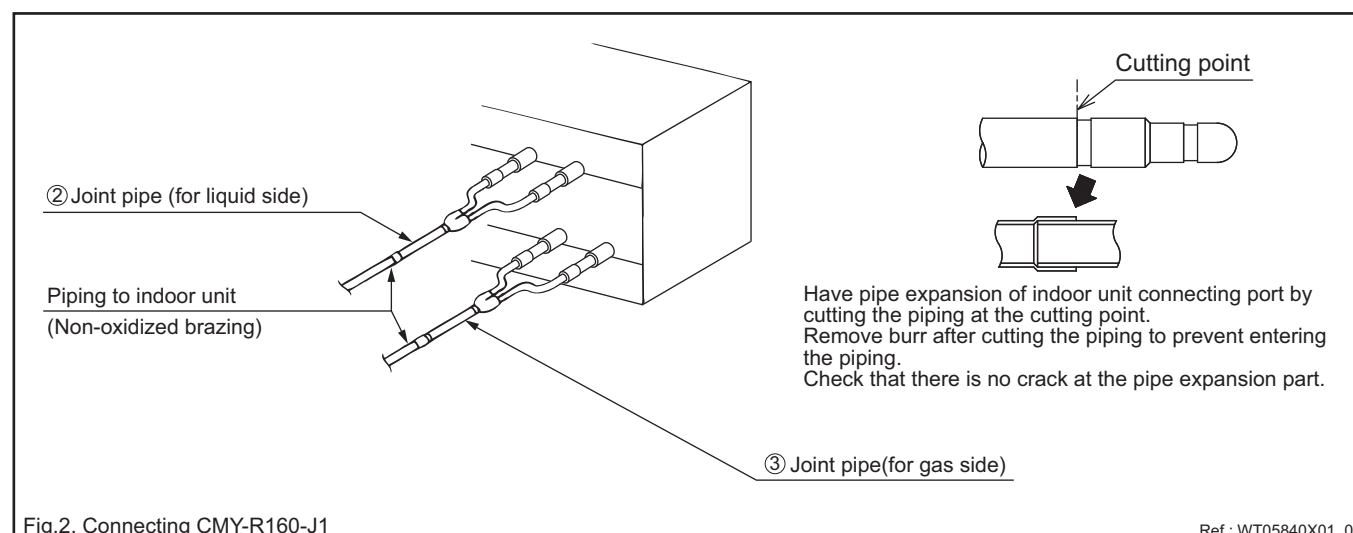


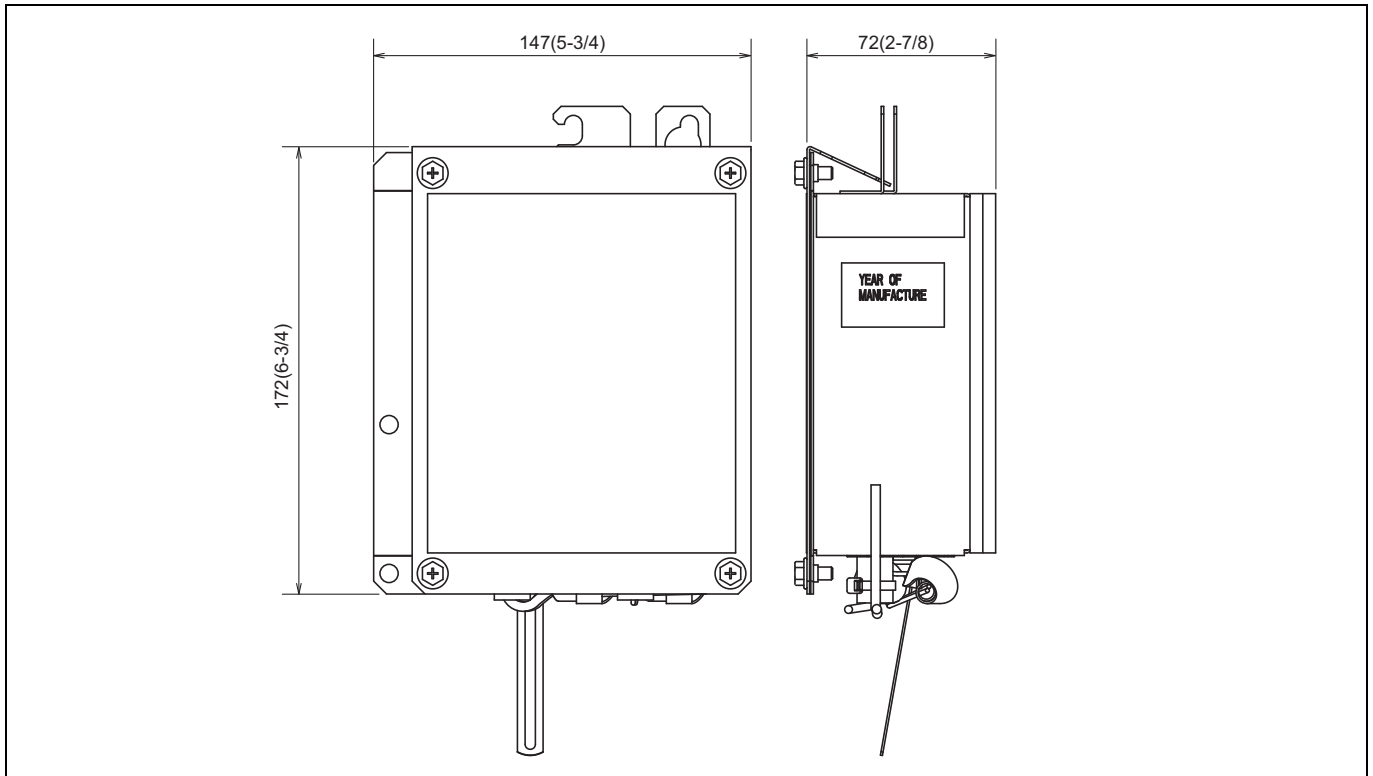
Fig. 2. Connecting CMY-R160-J1

Ref.: WT05840X01_03

Ref: CMY_R160_J_DOC_EUDB

7-4. RELAY BOX

If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a base heater is recommended. PAC-BH02KTY-E is a relay box for controlling the electric base heater. For details, refer to the relay box Installation Manual.

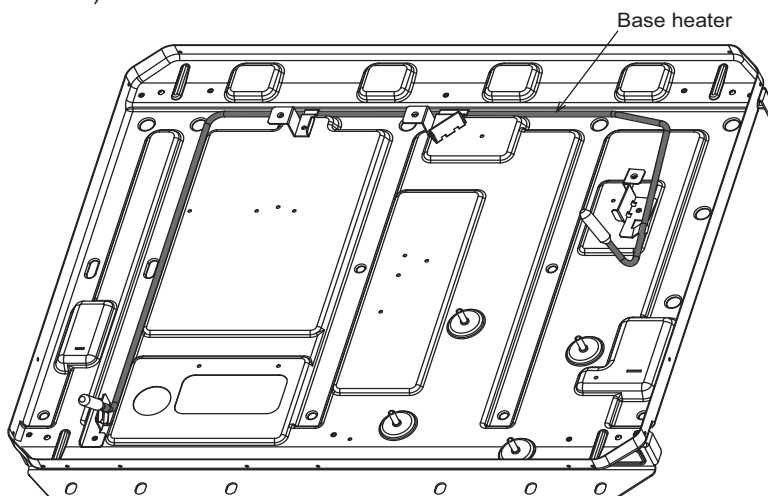


R2

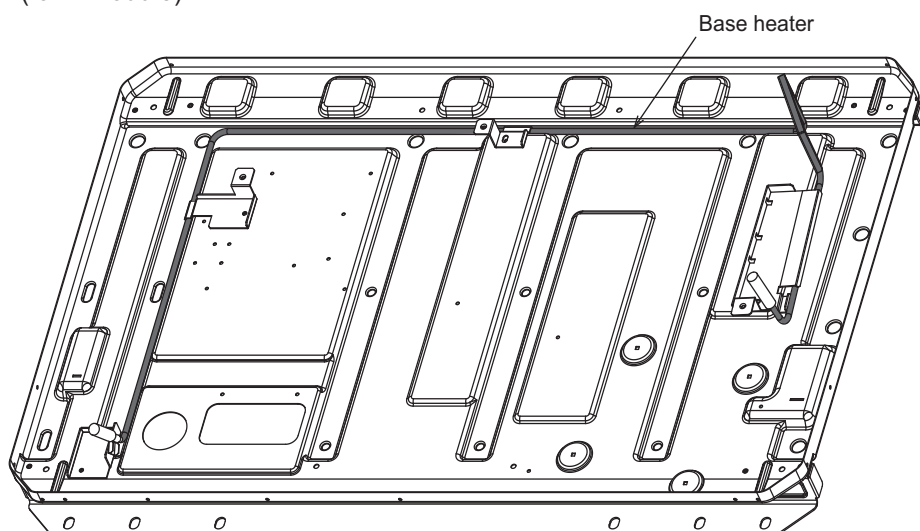
7-5. BASE HEATER

If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a base heater is recommended. For details, refer to the base heater Installation Manual.

PAC-BH01EHT-E (for S module)



PAC-BH02EHT-E (for L module)



PAC-BH03EHT-E (for XL module)

