

OUTDOOR UNITS

1. SPECIFICATIONS	2 - 206
2. EXTERNAL DIMENSIONS	2 - 225
3. CENTER OF GRAVITY	2 - 236
4. ELECTRICAL WIRING DIAGRAMS	2 - 237
5. SOUND LEVELS	2 - 239
6. CAPACITY TABLES	2 - 246
6-1. Correction by temperature	2 - 246
6-2. Correction by total indoor	2 - 256
6-3. Correction by refrigerant piping length	2 - 267
6-4. Correction by port counts of the BC controller	2 - 270
6-5. Correction at frost and defrost	2 - 270
6-6. Operation temperature range	2 - 271
7. OPTIONAL PARTS	2 - 272
7-1. JOINT	2 - 272
7-2. OUTDOOR TWINNING KIT	2 - 273
7-3. JOINT KIT CMY-R160-J1 FOR BC CONTROLLER	2 - 275

1. SPECIFICATIONS

DATA G8

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
		COP	kW / kW	4.32	3.97
Temp. range of cooling	*3	Indoor	W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)
		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	*3	Indoor	D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)
		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 piping diameter	High pressure		mm (in.)	15.88(5/8) Brazed	19.05(3/4) Brazed
	Low pressure		mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
FAN	Type x Quantity		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		
	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		
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter		
	Motor output		kW	5.4	6.8
	Case heater		kW	0.035(240 V)	0.035(240 V)
	Lubricant		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)		
	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 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		
HIC circuit (HIC: Heat Inter-Changer)			-		
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G046		
	Wiring		WYN B0-7952		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102S-G2,CMY-Y102L-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-Y102S-G2,CMY-Y102L-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.		

Notes :

- Nominal cooling conditions(subject to JIS B8615-1)
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 B8615-1)
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	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536
*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

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	
		COP	kW / kW	3.86	3.53	
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	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	*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		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	
	Low pressure		mm (in.)		22.2(7/8) 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
*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	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-Y102S-G2, CMY-Y102L-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-Y102S-G2, CMY-Y102L-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 B8615-1) 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 = kW x 860 BTU/h = kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-1) 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 lb = 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.	
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

DATA G8

Model		PURY-P400JM-A(-BS)	
Power source		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	45.0	
	*1 kcal / h	38,700	
	*1 BTU / h	153,500	
	Power input	kW	13.55
	Current input	A	22.8-21.7-20.9
	COP	kW / kW	3.32
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	
	*2 kcal / h	43,000	
	*2 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	*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>	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-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860
2.Nominal heating conditions(subject to JIS B8615-1) 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°C.D.B. (23°F.D.B.)/-6°C.W.B. (21°F.W.B.) to 21°C.D.B. (70°F.D.B.)/15.5°C.W.B. (60°F.W.B.) 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).	lb =kg / 0.4536
	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P400YSJM-A1(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	45.0		
	*1	kcal / h	38,700		
	*1	BTU / h	153,500		
	Power input		kW	10.73	
	Current input		A	18.1-17.2-16.5	
COP		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		
	*2	kcal / h	43,000		
	*2	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	

Set Model						
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				
HIC circuit (HIC: Heat Inter-Changer)						
Pipe between unit and distributor	High pressure		mm (in.)	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 Joint: CMY-Y102S-G2, CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

DATA G8

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
	COP	kW / kW	3.45
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	
	*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	*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>	62
Power pressure level (measured in anechoic room)		dB <A>	82
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 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-Y102S-G2,CMY-Y102L-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 B8615-1)
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 B8615-1)
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°C.D.B. (23°F.D.B.)/-6°C.W.B. (21°F.W.B.) to 21°C.D.B. (70°F.D.B.)/15.5°C.W.B. (60°F.W.B.)
with cooling/heating mixed operation.
- External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

Unit converter

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

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P450YSJM-A1(-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	12.50	
Current input		A	21.1-20.0-19.3		
COP		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		
	*2	kcal / h	48,200		
	*2	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		

Set Model					
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
*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	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			
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 Joint: CMY-Y102S-G2, CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

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	
	COP	kW / kW	3.77		
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		
	*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	kW / kW	4.17		
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>		60		
Power pressure level (measured in anechoic room)	dB <A>		80		
Refrigerant piping diameter	High pressure		22.2(7/8) Brazed		
	Low pressure		28.58(1-1/8) Brazed		

Set 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	
*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	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 in. 67-3/8(65 without legs) x 36-1/4 x 29-15/16		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 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 Joint: CMY-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) 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 lb =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

Model			PURY-P500YSJM-A1(-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	14.73	
	Current input		A	24.8-23.6-22.7	
COP		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		
	*2	kcal / h	54,200		
	*2	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				
HIC circuit (HIC: Heat Inter-Changer)						
Pipe between unit and distributor	High pressure		mm (in.)	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		Refrigerant conn. pipe			
Optional parts						
Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

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	
		Current input	A	
		COP	kW / kW	
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	
		Current input	A	
		COP	kW / kW	
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.)	
	Low pressure		mm (in.)	

Set 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			
*4	Motor output	kW		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		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 in. 67-3/8(65 without legs) x 36-1/4 x 29-15/16		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 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 Joint: CMY-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) 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 lb =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

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	
COP		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		

Set Model						
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		High pressure sensor, High pressure switch at 4.15MPa (601	
	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 Joint: CMY-Y102S-G2, CMY-Y102L-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 :	1.Nominal cooling conditions(subject to JIS B8615-1) 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.)	Unit converter kcal =kW x 860 BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536 *Above specification data is subject to rounding variation.
	2.Nominal heating conditions(subject to JIS B8615-1) 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).	

1. SPECIFICATIONS

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	
	COP	3.60		
Temp. range of cooling	*3	Indoor	W.B.	
		Outdoor	D.B.	
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	*3	Indoor	D.B.	
		Outdoor	W.B.	
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.)	
	Low pressure		mm (in.)	

Set Model			PURY-P250YJM-A(-BS)		PURY-P350YJM-A(-BS)	
Model			Propeller fan x 1		Propeller fan x 1	
FAN	Type x Quantity		185		225	
	Air flow rate	m ³ / min	3,083		3,750	
		L/s	6,532		7,945	
		cfm	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Control, Driving mechanism		0.92 x 1		0.92 x 1	
Motor output		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
*4 External static press.		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
Compressor	Type x Quantity		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Manufacture		Inverter		Inverter	
	Starting method		6.8		9.9	
	Motor output		0.035(240 V)		0.045(240 V)	
	Case heater		MEL32		MEL32	
Lubricant		Pre-coated galvanized steel sheets (+powder coating for -BS type)		Pre-coated galvanized steel sheets (+powder coating for -BS type)		
External finish			<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD			mm		mm	
			1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760	
			in.		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.)		mm (in.)	
	Low pressure		19.05(3/4) Brazed		19.05(3/4) Brazed	
			mm (in.)		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 Joint: CMY-Y102S-G2, CMY-Y102L-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 B8615-1) 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 = kW x 860 BTU/h = kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-1) 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 lb = 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

Model			PURY-P650YSJM-A(-BS)		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	73.0		
	*1	kcal / h	62,800		
	*1	BTU / h	249,100		
	Power input		kW	21.53	
Current input		A	36.3-34.5-33.2		
COP		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		
	*2	kcal / h	70,100		
	*2	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>		
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.)	28.58(1-1/8) Brazed	

Set Model						
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	
	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		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				
HIC circuit (HIC: Heat Inter-Changer)						
Pipe between unit and distributor	High pressure		mm (in.)	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 Joint: CMY-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

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	
		Current input	A	
		COP	kW / kW	
Temp. range of cooling	*3	Indoor	W.B.	
		Outdoor	D.B.	
			15.0~24.0°C(59~75°F) -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	
		Current input	A	
		COP	kW / kW	
Temp. range of heating	*3	Indoor	D.B.	
		Outdoor	W.B.	
			15.0~27.0°C(59~81°F) -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.)	
	Low pressure		mm (in.)	

Set Model			PURY-P300YJM-A(-BS)		PURY-P400YJM-A(-BS)	
Model			Propeller fan x 1		Propeller fan x 1	
FAN	Type x Quantity		185		225	
	Air flow rate	m ³ / min	3,083		3,750	
		L/s	6,532		7,945	
		cfm	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Control, Driving mechanism		0.92 x 1		0.92 x 1	
Motor output		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
*4 External static press.		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
Compressor	Type x Quantity		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Manufacture		Inverter		Inverter	
	Starting method		7.8		10.2	
	Motor output		0.045(240 V)		0.045(240 V)	
	Case heater		MEL32		MEL32	
Lubricant		Pre-coated galvanized steel sheets (+powder coating for -BS type)		Pre-coated galvanized steel sheets (+powder coating for -BS type)		
External finish			<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD			1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760	
			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)	
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	
	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-Y102S-G2, CMY-Y102L-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 B8615-1) 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 = kW x 860 BTU/h = kW x 3,412
2. Nominal heating conditions (subject to JIS B8615-1) 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 lb = 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

Model			PURY-P700YSJM-A1(-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	23.39	
Current input		A	39.4-37.5-36.1		
COP		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		
	*2	kcal / h	75,700		
	*2	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		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				
HIC circuit (HIC: Heat Inter-Changer)						
Pipe between unit and distributor	High pressure		mm (in.)	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-Y102S-G2, CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

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	
		Current input	A	
		COP	kW / kW	
			3.21	
Temp. range of cooling	*3	Indoor	W.B.	
		Outdoor	D.B.	
			15.0~24.0°C(59~75°F)	
			-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	
		Current input	A	
		COP	kW / kW	
			3.95	
Temp. range of heating	*3	Indoor	D.B.	
		Outdoor	W.B.	
			15.0~27.0°C(59~81°F)	
			-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>	63.5	
Power pressure level (measured in anechoic room)		dB <A>	83.5	
Refrigerant piping diameter	High pressure		mm (in.)	
	Low pressure		mm (in.)	
			28.58(1-1/8) Brazed	
			34.93(1-3/8) Brazed	

Set Model			PURY-P350YJM-A(-BS)		PURY-P400YJM-A(-BS)	
Model			Propeller fan x 1		Propeller fan x 1	
FAN	Type x Quantity		225		225	
	Air flow rate	m ³ / min	3,750		3,750	
		L/s	7,945		7,945	
		cfm				
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
Motor output		kW		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	
	Case heater		kW		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 in. 67-3/8(65 without legs) x 48-1/16 x 29-15/16		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)		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	
	Low pressure		mm (in.)		22.2(7/8) 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-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) 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 lb =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

Model			PURY-P800YSJM-A(-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	28.30	
	Current input		A	47.7-45.3-43.7	
COP		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		
	*2	kcal / h	86,000		
	*2	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)		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	
	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	10.2		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				
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		WYN B0-7953	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts		Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102S-G2, CMY-Y102L-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 B8615-1) 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	=kW x 860
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb	=kg / 0.4536
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

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	
		Current input	A	
		COP	kW / kW	
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	
		Current input	A	
		COP	kW / kW	
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>		64	
Power pressure level (measured in anechoic room)	dB <A>		84	
Refrigerant piping diameter	High pressure		mm (in.)	
	Low pressure		mm (in.)	

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		kW	
*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		kW	
	Case heater		kW		kW	
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 in. 67-3/8(65 without legs) x 48-1/16 x 29-15/16		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)		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.)		mm (in.)	
	Low pressure		mm (in.)		mm (in.)	
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-Y102S-G2,CMY-Y102L-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 B8615-1)
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 B8615-1)
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	=kW x 860
BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P850YSJM-A(-BS)			
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	96.0			
	*1	kcal / h	82,600			
	*1	BTU / h	327,600			
	Power input		29.26			
Current input		A			49.3-46.9-45.2	
COP		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			
	*2	kcal / h	92,900			
	*2	BTU / h	368,500			
	Power input		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>			64.5
Power pressure level (measured in anechoic room)			dB <A>			84.5
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-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		
	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		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					
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-Y102S-G2, CMY-Y102L-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 B8615-1) 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 =kW x 860		
2.Nominal heating conditions(subject to JIS B8615-1) 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).			lb =kg / 0.4536		
			*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

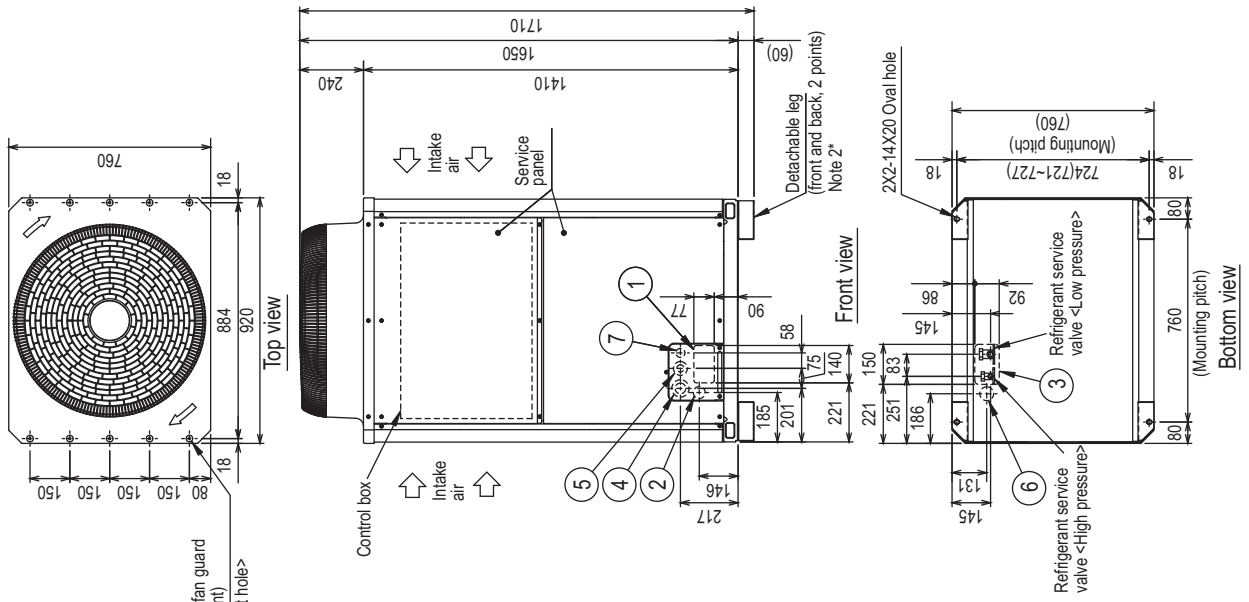
Model			PURY-P900YSJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	101.0	
	*1	kcal / h	86,900	
	*1	BTU / h	344,600	
		Power input	kW	
		Current input	A	
		COP	kW / kW	
Temp. range of cooling	*3	Indoor	W.B.	
		Outdoor	D.B.	
			15.0~24.0°C(59~75°F)	
Heating capacity (Nominal)	*2	kW	113.0	
	*2	kcal / h	97,200	
	*2	BTU / h	385,600	
		Power input	kW	
		Current input	A	
		COP	kW / kW	
Temp. range of heating	*3	Indoor	D.B.	
		Outdoor	W.B.	
			15.0~27.0°C(59~81°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.)	
	Low pressure		mm (in.)	

Set 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		
*4	Motor output	kW		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		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 in. 67-3/8(65 without legs) x 68-15/16 x 29-15/16		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)		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-Y102S-G2,CMY-Y102L-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 B8615-1) 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 =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) 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 lb =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).	

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

Unit : mm



<Accessories>
 ● Connecting pipe
 ● <Low pressure> Pipe (D ϕ 25.4XID ϕ 22.2).....P250,P300 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	140X77 Knockout hole
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ϕ 45 Knockout hole
③	Bottom through hole	150X92 Knockout hole
④	Front through hole	ϕ 65 or ϕ 40 Knockout hole
⑤	Front through hole	ϕ 62 or ϕ 27 Knockout hole
⑥	Bottom through hole	ϕ 52 Knockout hole
⑦	For transmission cables	Front through hole ϕ 34 Knockout hole

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P200YJM	239	261	ϕ 15.88 Brazed *2	ϕ 19.05 Brazed *2
PURY-P250YJM		263	ϕ 19.05 Brazed *2	ϕ 22.2 Brazed *1
PURY-P300YJM				

*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.

R2

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

Unit : mm

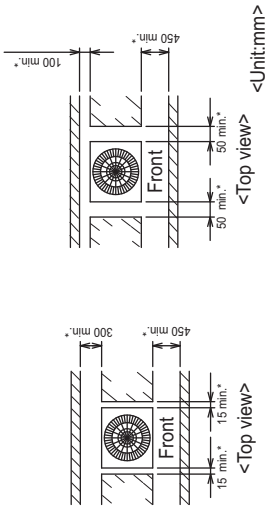
R2

1. Required space around the unit

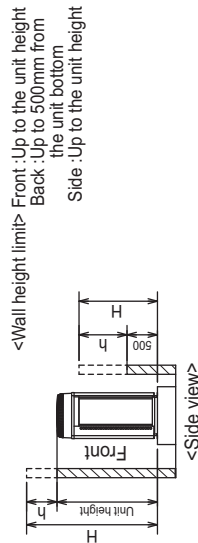
● In case of single installation

- 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

- 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.

● 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 six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.

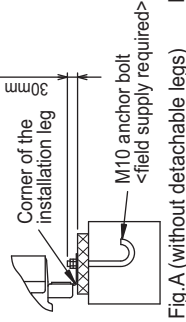
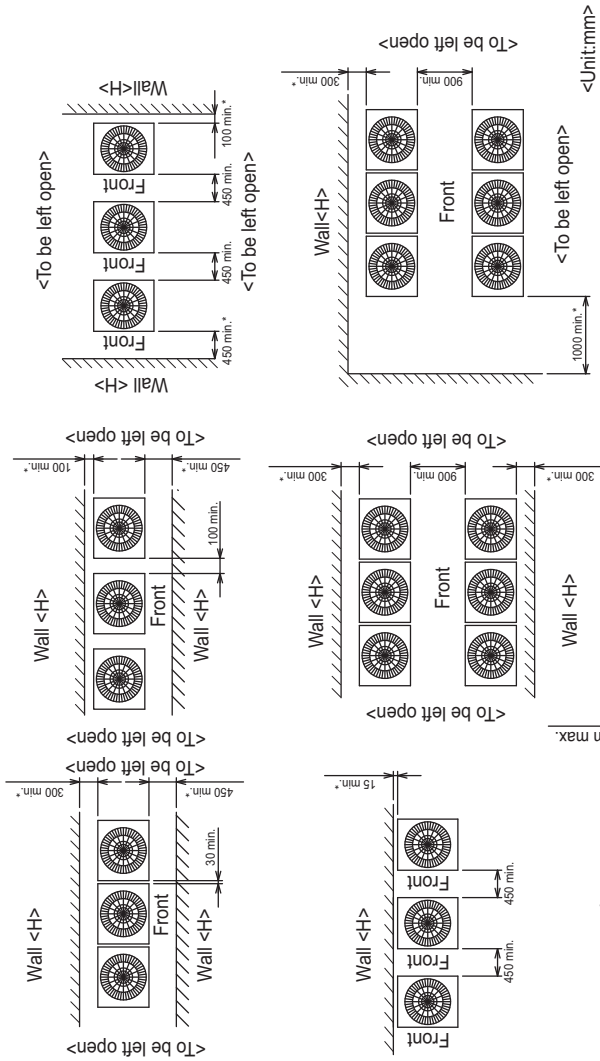


Fig.A (without detachable legs)

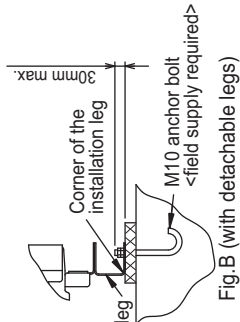


Fig.B (with detachable legs)

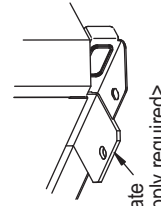


Fig.C (without detachable legs)

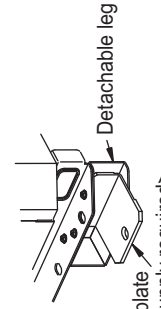
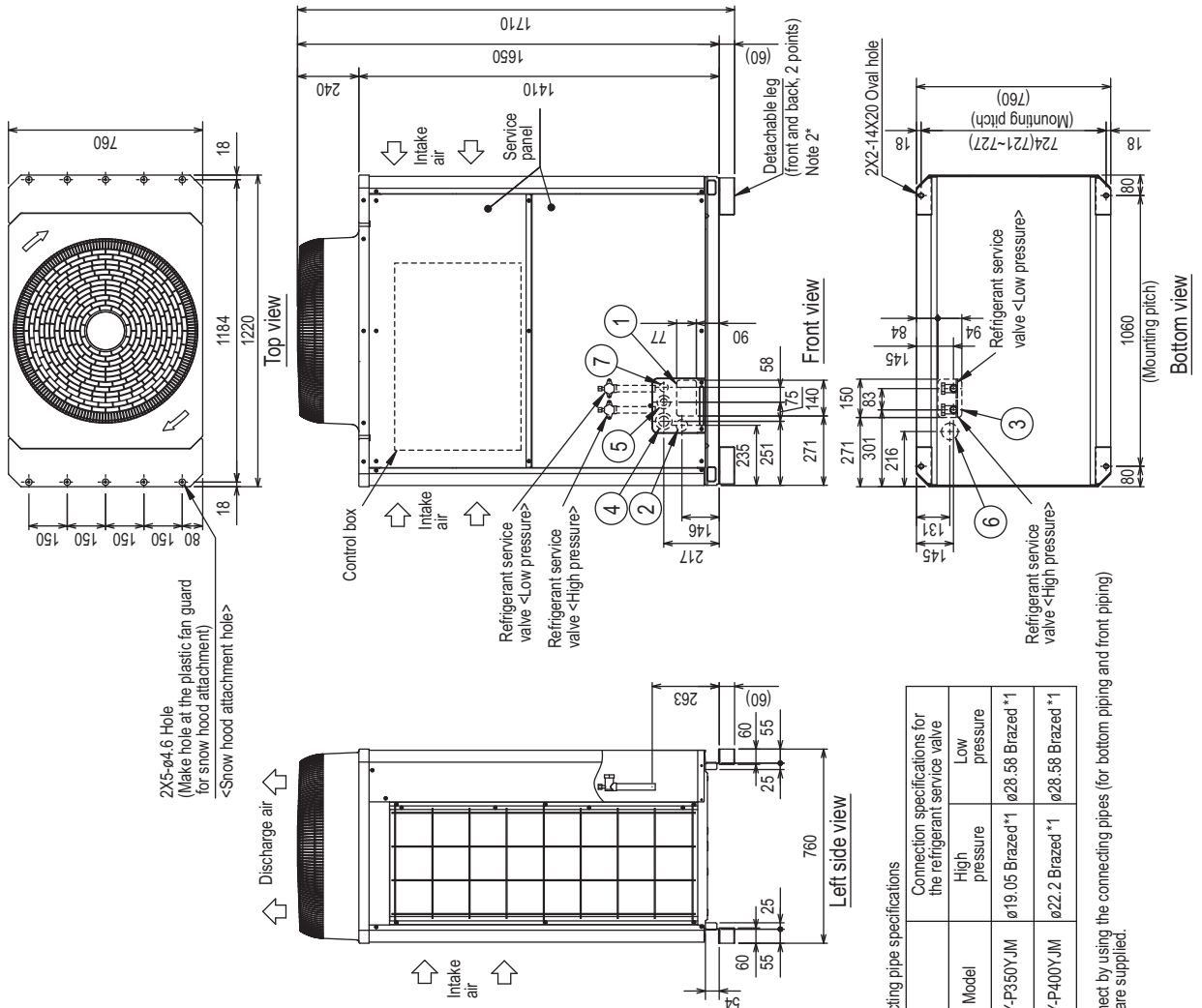


Fig.D (with detachable legs)

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

Unit : mm



- <Accessories>
- Connecting pipe
 - <Low pressure> · Pipe (Dø25.4XIDø28.58).....P350,P400 1 pc.
 - <High pressure> · Pipe (Dø25.4XODø19.05).....P350 1 pc.
 - Elbow (Dø19.05XODø19.05).....P350 1 pc.
 - Pipe (Dø25.4XIDø22.2).....P400 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	140X77 Knockout hole
②	For pipes	Front through hole (Uses when twinning kit (optional parts) is mounted.)
③		Bottom through hole
④	For wires	Front through hole
⑤		Bottom through hole
⑥		Front through hole
⑦	For transmission cables	Front through hole

Connecting pipe specifications

Model	Connection specifications for the refrigerant service valve	
	High pressure	Low pressure
PURY-P350YJM	ø19.05 Brazed*1	ø28.58 Brazed*1
PURY-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)

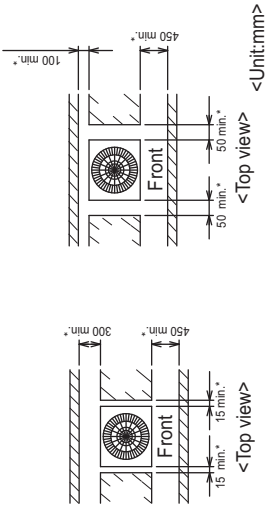
Unit : mm

R2

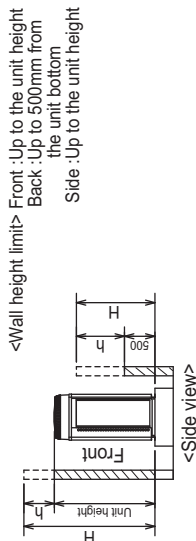
1. Required space around the unit

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.
- 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.
- ⑤ Use four fixing plates as shown in the right figure when using post-installed anchor bolts.
- 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.
- 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 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.

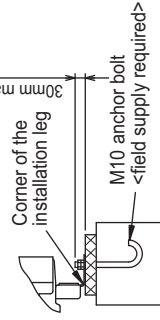
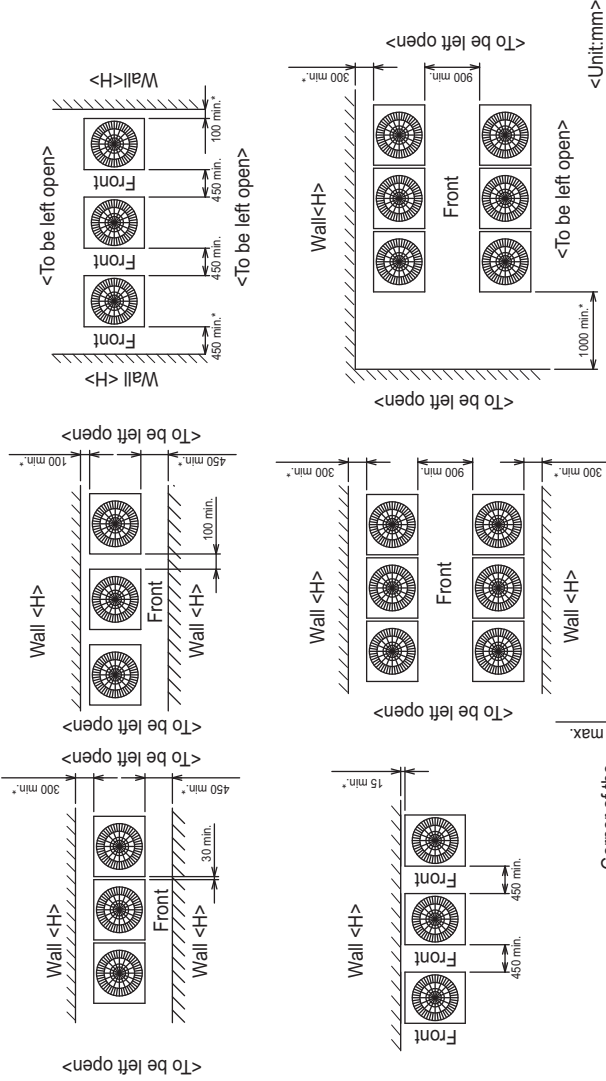


Fig.A (without detachable legs)

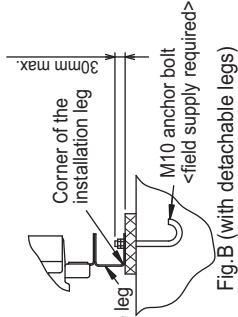


Fig.B (with detachable legs)

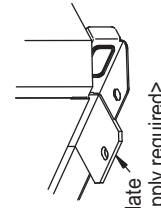


Fig.C (without detachable legs)

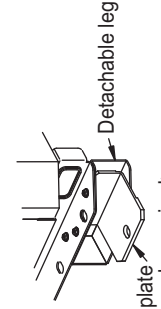


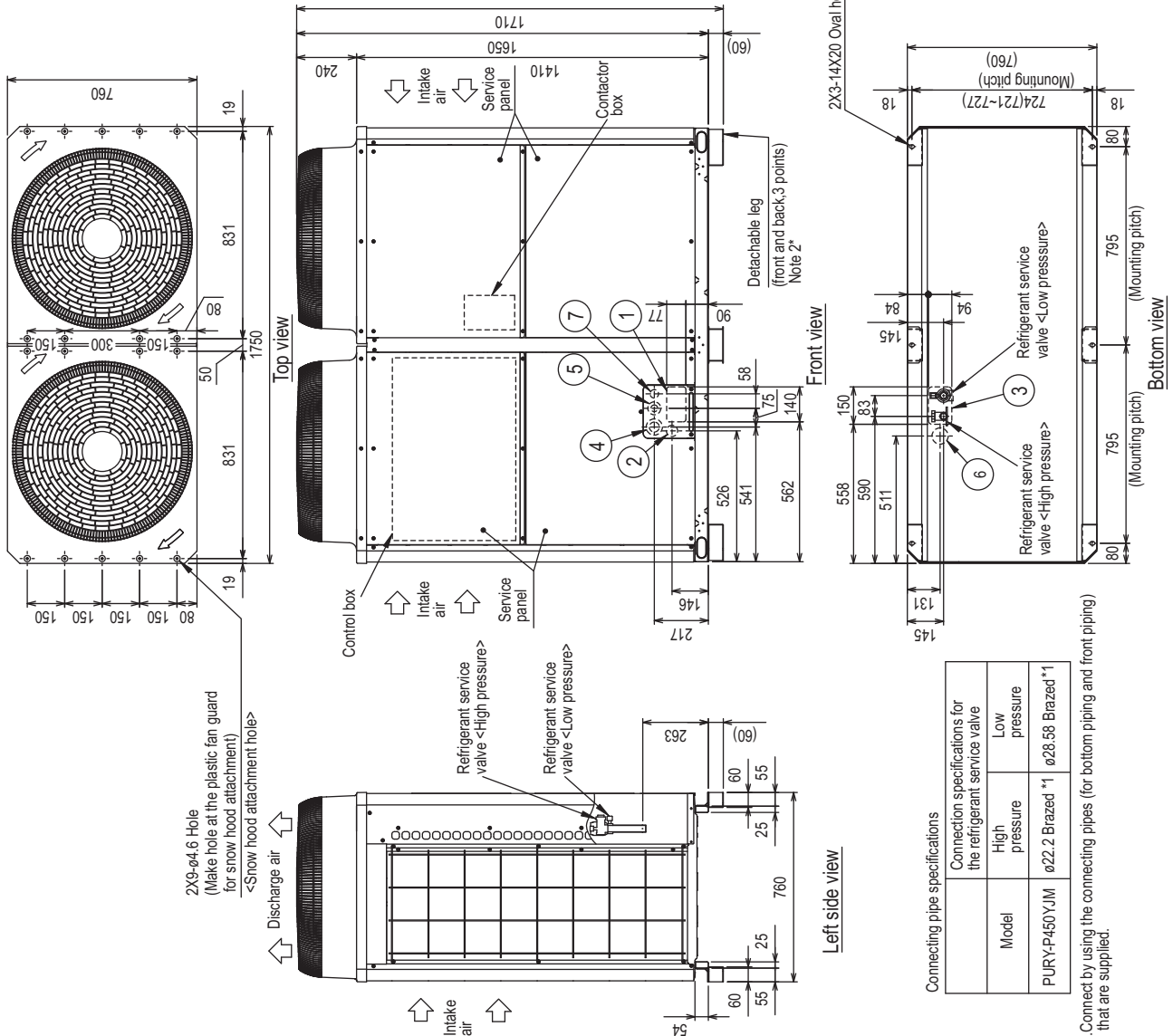
Fig.D (with detachable legs)

PURY-P450YJM-A-(BS)

Unit : mm

- <Accessories>
- Connecting pipe
 - <Low pressure> · Pipe (Dø28.58X0Dø28.58) 1 pc.
 - <High pressure> · Pipe (Dø25.4X1Dø22.2) 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	For pipes	Front through hole (Uses when swiming kit (optional parts) is mounted.)
③	Bottom through hole	150 X 94 Knockout hole
④	For wires	Front through hole
⑤	For wires	Front through hole
⑥	For wires	Bottom through hole
⑦	For transmission cables	Front through hole



Connecting pipe specifications

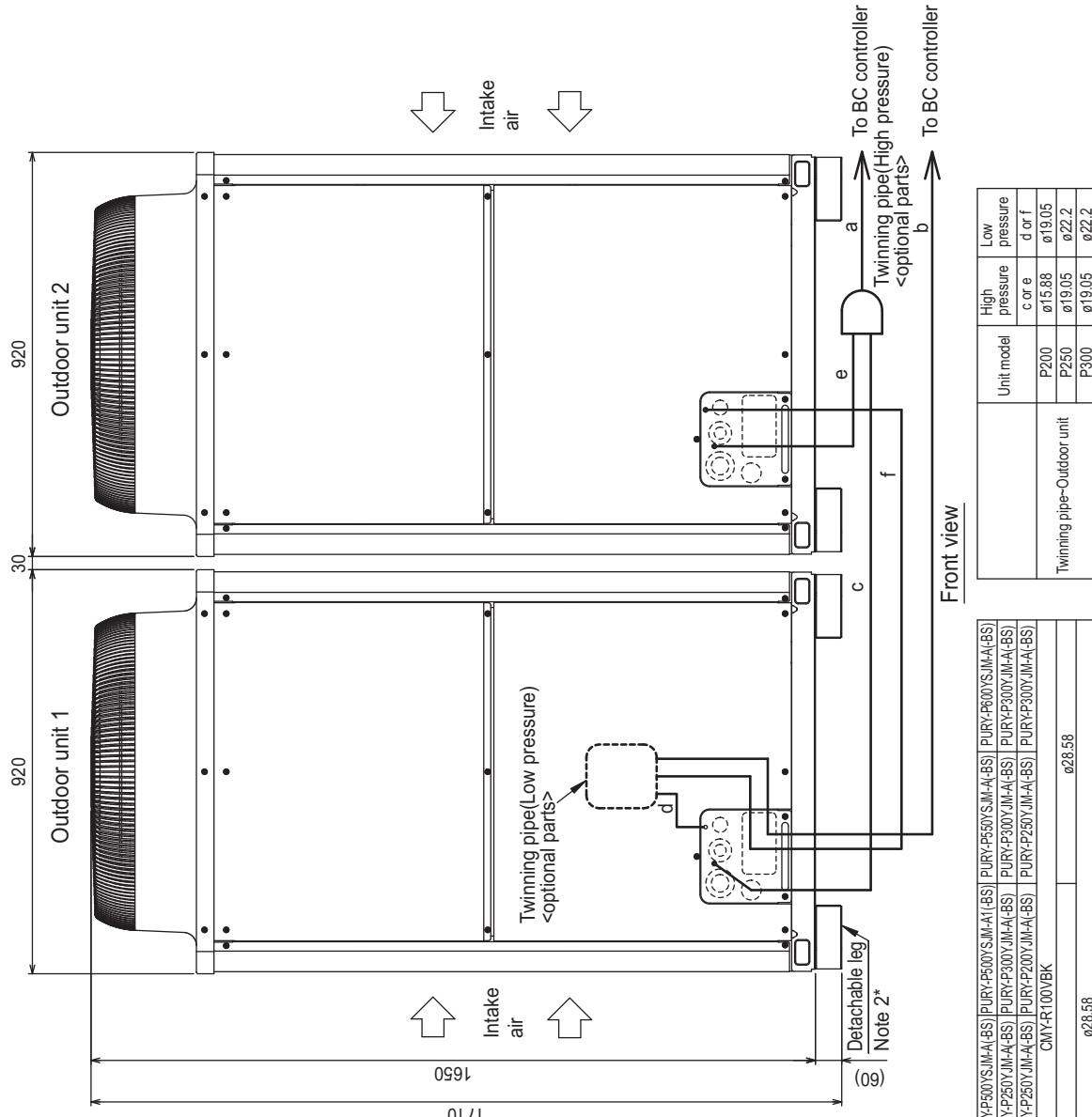
Model	High pressure	Low pressure
PURY-P450YJM	ø22.2 Brazed *1	ø28.58 Brazed *1

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

R2

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

Unit : mm



Unit model	High pressure	Low pressure
P200	c or e ø15.88	d or f ø19.05
P250	ø15.88	ø22.2
P300	ø19.05	ø22.2

Package unit name	PURY-P400YSJM-A1-(BS)	PURY-P450YSJM-A1-(BS)	PURY-P500YSJM-A1-(BS)	PURY-P550YSJM-A1-(BS)	PURY-P600YSJM-A1-(BS)
Outdoor unit 1	PURY-P200YSJM-A1-(BS)	PURY-P250YSJM-A1-(BS)	PURY-P300YSJM-A1-(BS)	PURY-P350YSJM-A1-(BS)	PURY-P400YSJM-A1-(BS)
Outdoor unit 2	PURY-P200YSJM-A1-(BS)	PURY-P250YSJM-A1-(BS)	PURY-P300YSJM-A1-(BS)	PURY-P350YSJM-A1-(BS)	PURY-P400YSJM-A1-(BS)
Outdoor Twinning Kit(optional parts)	CMY-R100VBK				
BC controller~Twinning pipe	High pressure	ø22.2			
	Low pressure	ø28.58			

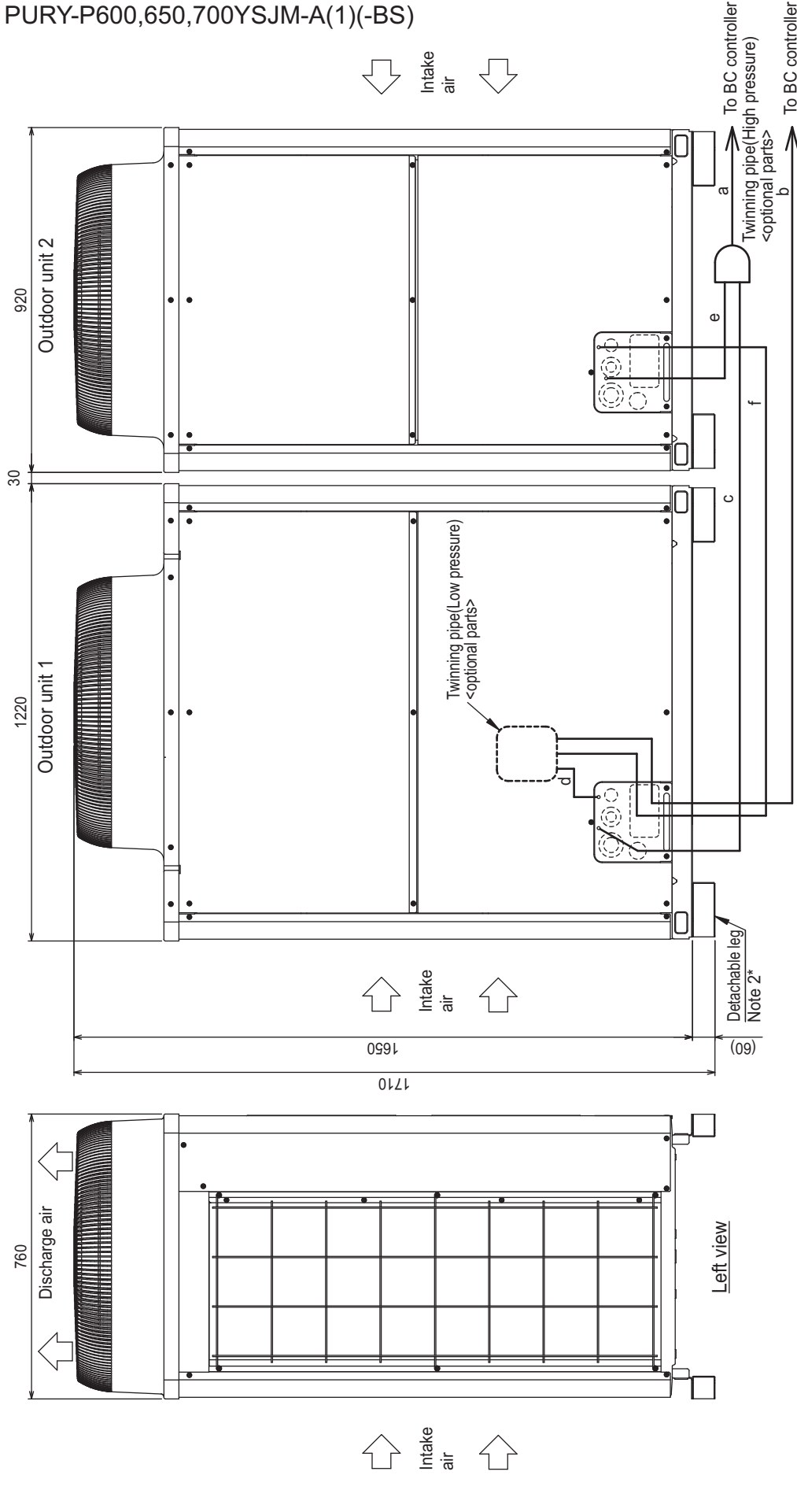
Twinning pipe connection size

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

Unit : mm



Front view

Left view

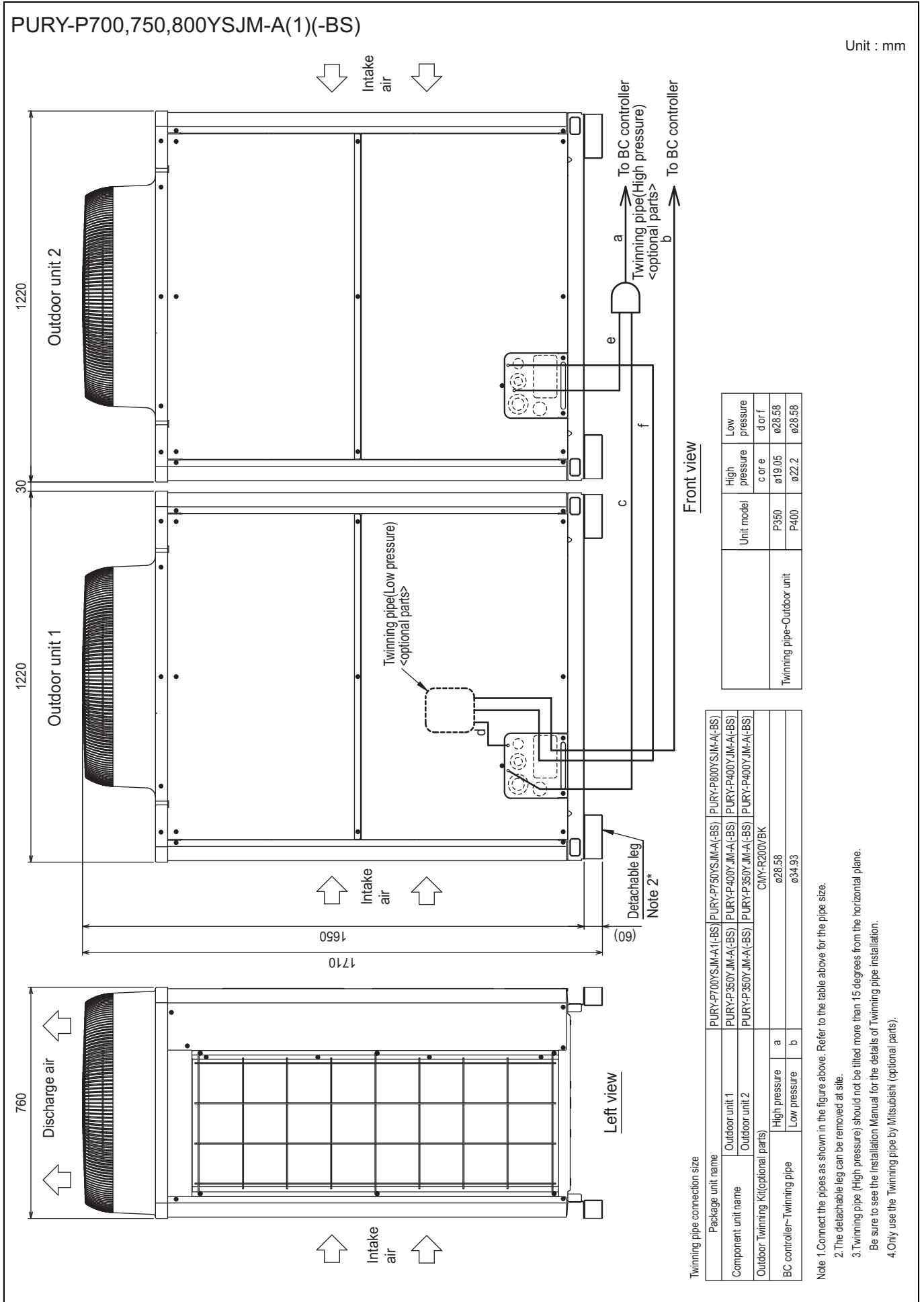
Unit model	High pressure core	Low pressure d or f
P250	ø19.05	ø22.2
P300	ø19.05	ø22.2
P350	ø19.05	ø28.58
P400	ø22.2	ø28.58

Twinning pipe-Outdoor unit

Package unit name	PURY-P600YSJM-A(1)-(BS)	PURY-P650YSJM-A(1)-(BS)	PURY-P700YSJM-A(1)-(BS)
Outdoor unit 1	PURY-P350YJM-A(1)-(BS)	PURY-P350YJM-A(1)-(BS)	PURY-P400YJM-A(1)-(BS)
Outdoor unit 2	PURY-P250YJM-A(1)-(BS)	PURY-P300YJM-A(1)-(BS)	PURY-P300YJM-A(1)-(BS)
Outdoor Twinning Kit(optional parts)	CMY-R100VBK		
BC controller~Twinning pipe	High pressure a	ø28.58	
	Low pressure b	ø28.58	
		ø34.93	

- 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).

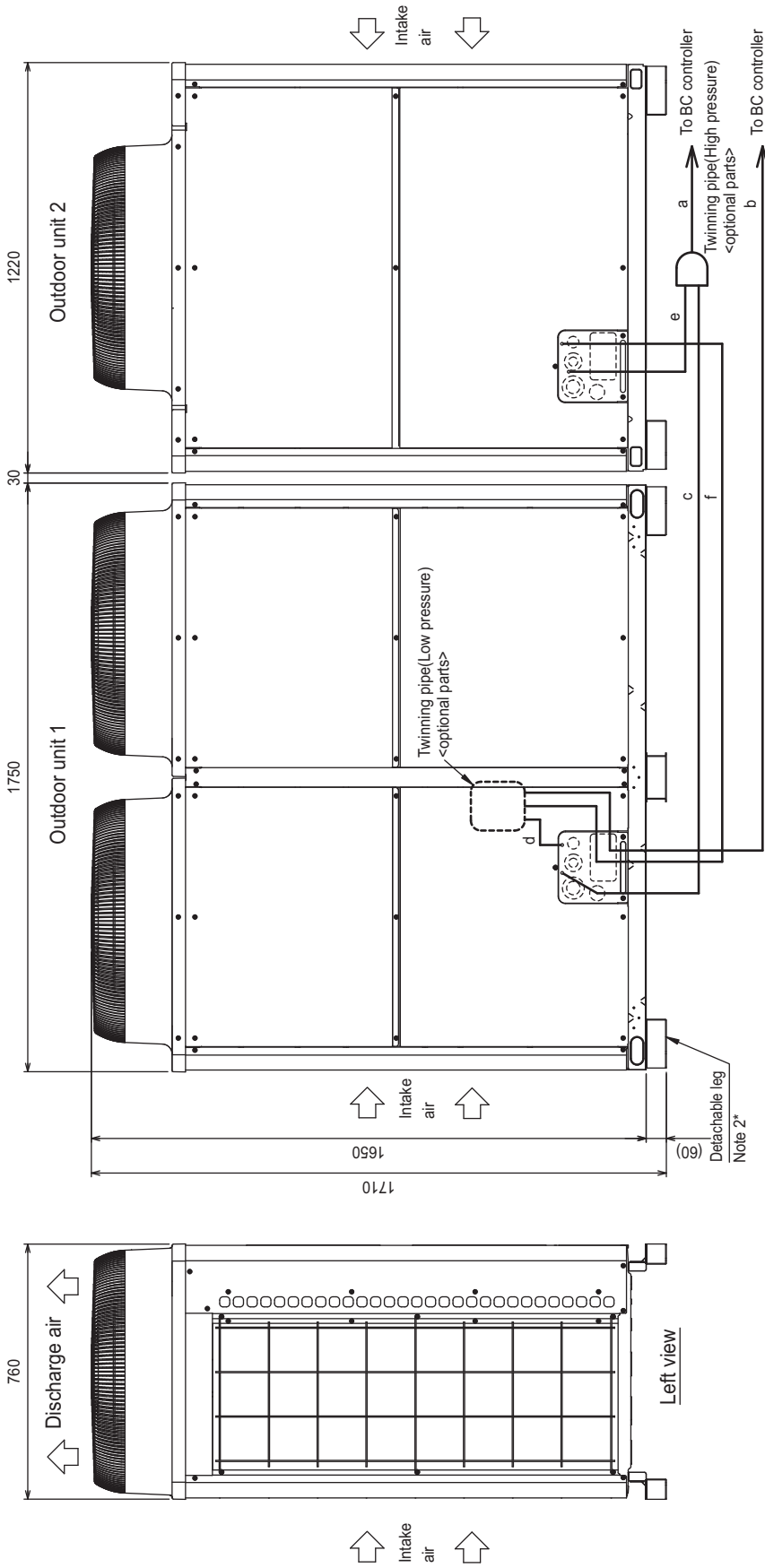
R2



R2

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

Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PURY-P800YSJM-A1(-BS)	PURY-P850YSJM-A(-BS)
Outdoor unit 1	PURY-P450YJM-A(-BS)	PURY-P450YJM-A(-BS)
Outdoor unit 2	PURY-P350YJM-A(-BS)	PURY-P400YJM-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-R100XLVBK	CMY-R200XLVBK
BC controller-Twinning pipe	High pressure	a
	Low pressure	b
	ø34.93	ø41.28

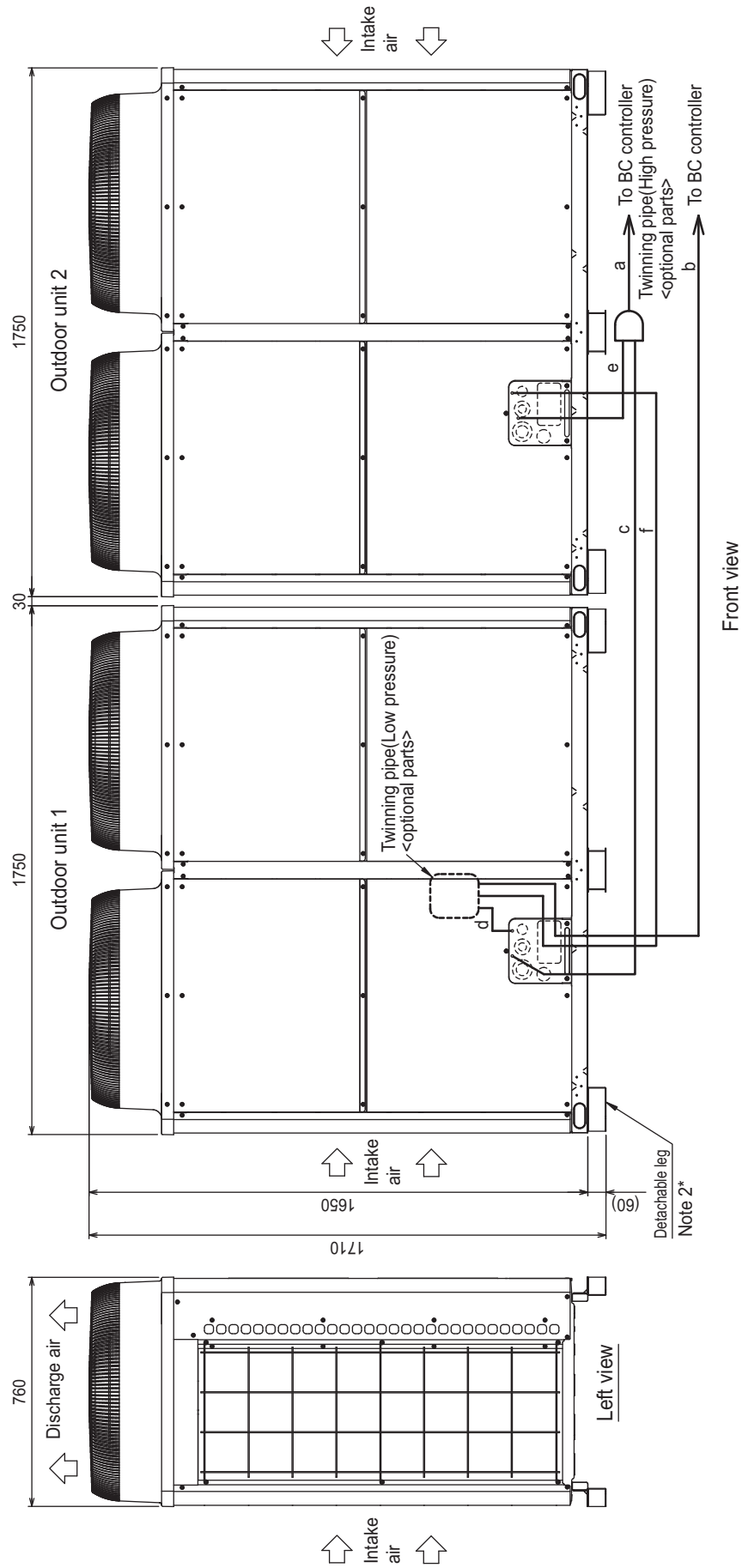
Twinning pipe-Outdoor unit	Unit model	High pressure	Low pressure
	P350	c or e	d or f
P400	ø19.05	ø28.58	ø28.58
P450	ø22.2	ø22.2	ø28.58

- 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).

R2

PURY-P900YSJM-A(-BS)

Unit : mm



Front view

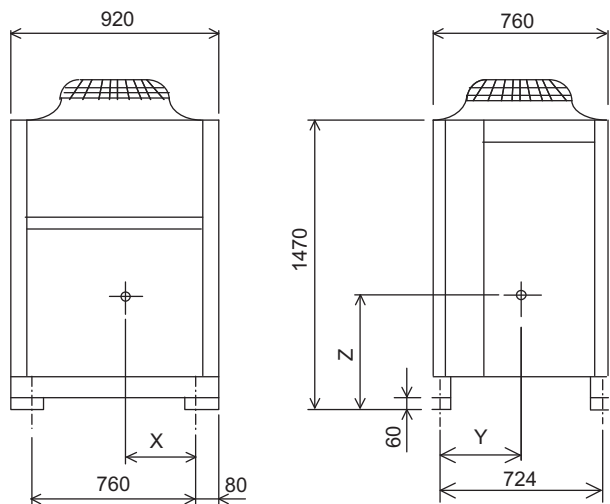
Twinning pipe connection size

Package unit name	PURY-P900YSJM-A(-BS)	
Component unit name	Outdoor unit 1	Outdoor unit 2
Outdoor Twinning Kit(optional parts)	CMY-R20DXLVBK	
BC controller~ Twinning pipe	High pressure	a
	Low pressure	b
Twinning pipe-Outdoor unit	High pressure	c or e
	Low pressure	d or f
Unit model	P450	
Twinning pipe-Outdoor unit	P450	
High pressure	ø22.2	
Low pressure	ø28.58	

- 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).

R2

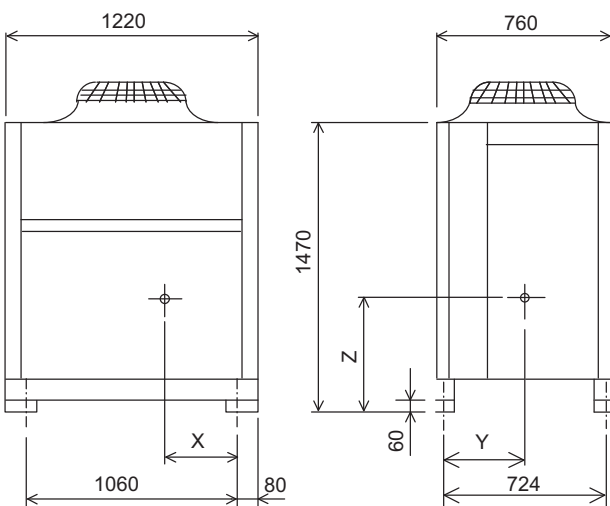
PURY-P200, P250, P300, EP200YJM-A (-BS)



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

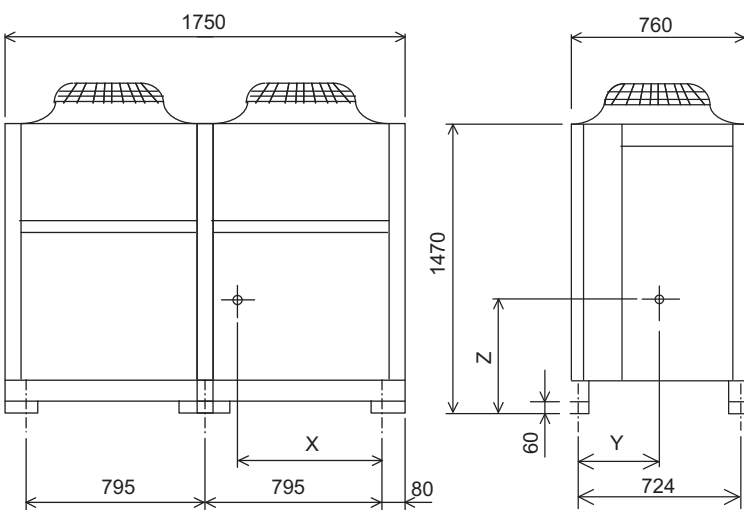
PURY-P350, P400, EP250, EP300YJM-A (-BS)



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

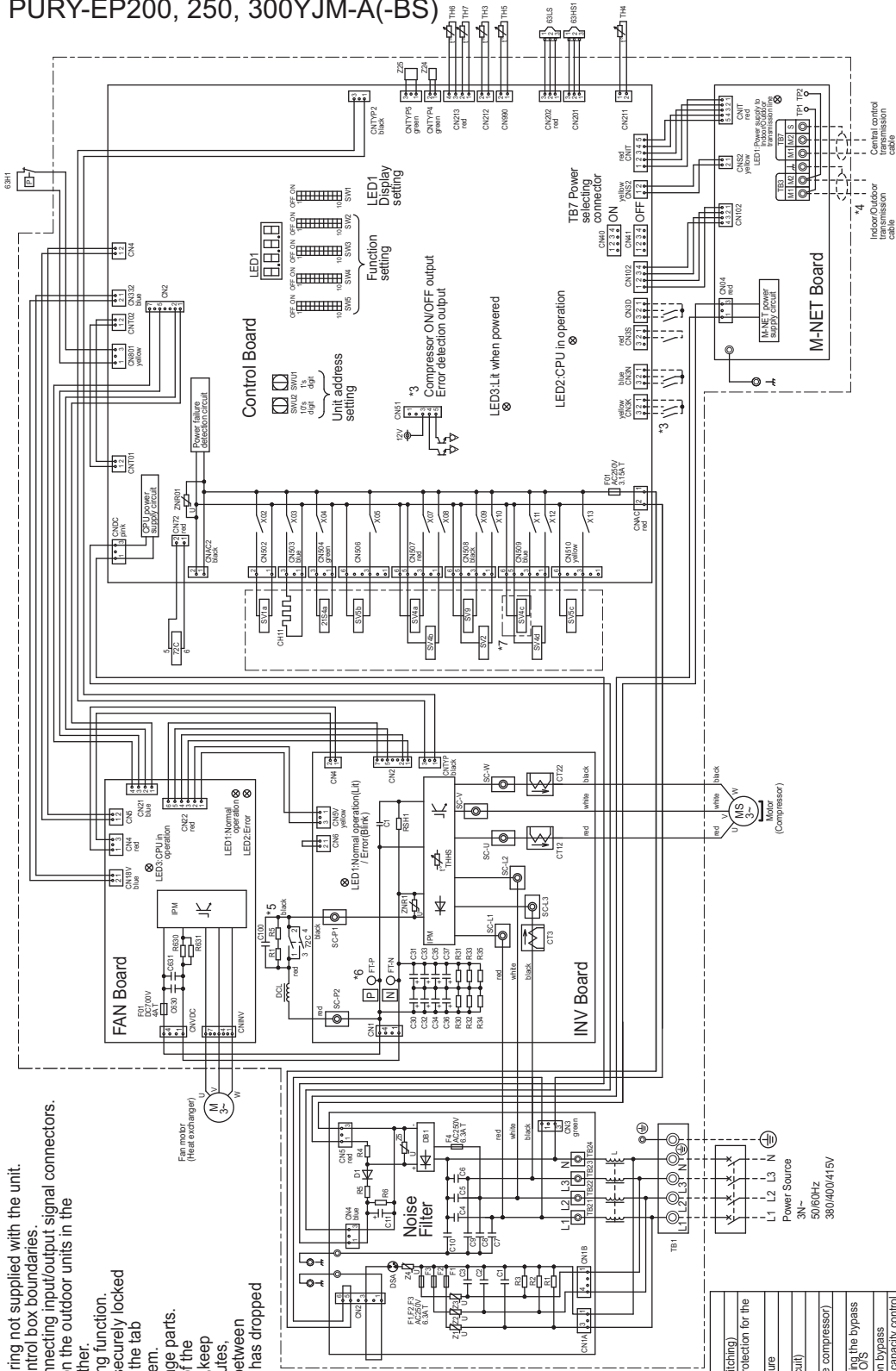
PURY-P450, EP350YJM-A (-BS)



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. Fan 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 DC200V or less.
- *7. Difference of appliance

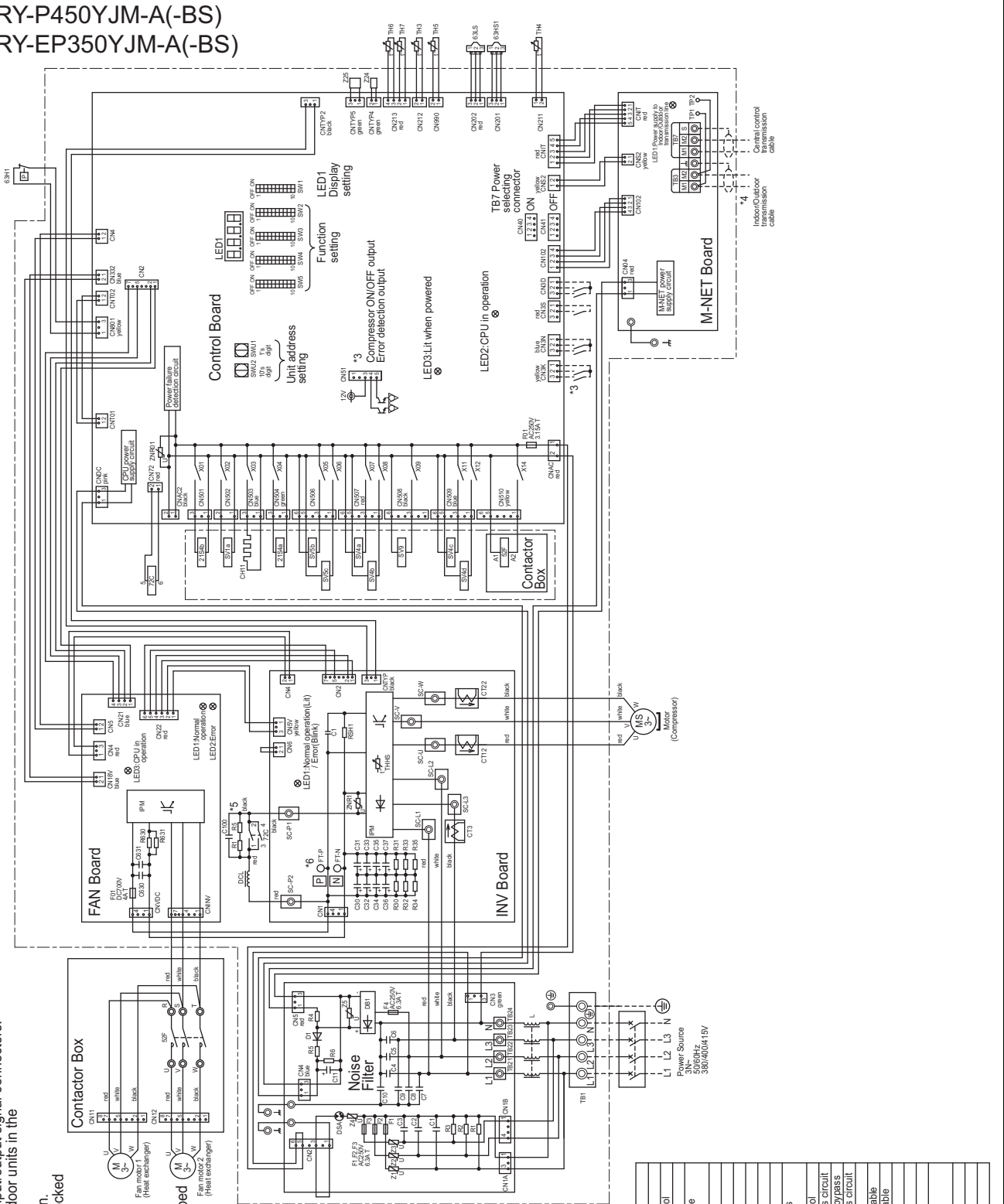
Model name	Appliance
P200/P250/P300	*7 do not exist
P350/P400	*7 exist
EP250/EP300	*7 exist

<Symbol explanation>

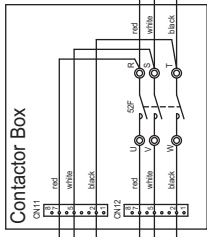
Symbol	Explanation
2T5Ba	4-way valve (Cooling/Heating switching)
63H1	Pressure switch
63S1	High pressure protection for the outdoor unit
63S1S	Pressure sensor
72C	Discharge pressure
CT12, 22.3	Magnetic relay (inverter main circuit)
CH11	Current sensor (AC)
DCL	Crankcase heater (for heating the compressor)
SV1a	DC reactor
SV2	Solenoid valve
SV4a, b, c, d	For opening/closing the bypass circuit under the OS
SV3b	Discharge suction bypass valve
SV3c	Heat exchanger capacity control circuit
SV3d	For opening/closing the bypass circuit
SV3e	Heat exchanger low pressure bypass circuit
SV9	For opening/closing the bypass circuit
TB1	Power supply
TB3	Indoor/Outdoor transmission cable
TB7	Central control transmission cable
TH3	Liquid pipe temperature
TH4	Discharge pipe temperature
TH5	AOC inlet pipe temperature
TH6	Heat exchanger inlet pipe temperature
TH7	OA temperature
THHS	IPM temperature
Z24, 25	Function setting connector

R2

PURY-P450YJM-A(-BS)
PURY-EP350YJM-A(-BS)



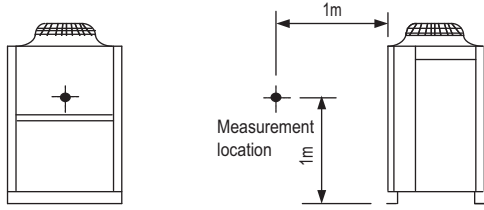
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *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.



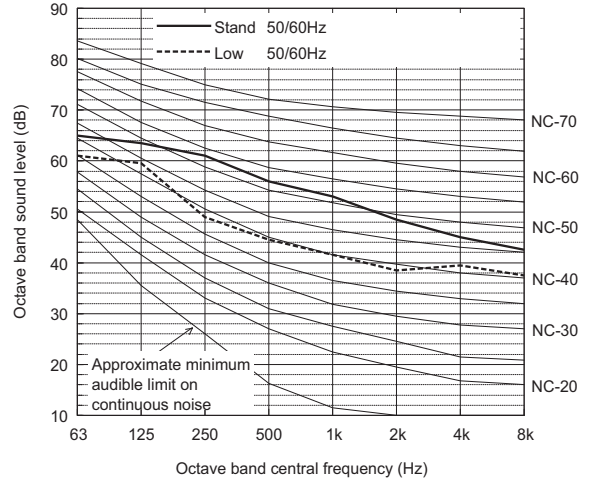
<Symbol explanation>

Symbol	Explanation
Z1, Z2, Z3	4-way valve
SV1a, SV1b, SV1c, SV1d	Control/Heating switching
SV2	Heat exchanger capacity control
63H1	Magnetic contactor (FAN)
63H51	Pressure switch
63L S	High pressure protection for the discharge pressure
77C	Pressure sensor
C1-12, 22, 3	Low pressure
C1-12, 22, 3	Magnetic relay (inverter main circuit)
C1-12, 22, 3	Current sensor (AC)
C1-12, 22, 3	Crankcase heater (for heating the compressor)
DC1	DC reactor
SV1a	4-way valve
SV1a, b, c, d	Control/Heating switching
SV5b	Heat exchanger capacity control
SV5c	Heat exchanger low pressure bypass
SV9	Heat exchanger high pressure bypass
TB1	Power supply
TB3	Central control transmission cable
TB7	Indoor/Outdoor transmission cable
TB8	Terminal block
TH3	Liquid pipe temperature
TH4	Discharge pipe temperature
TH5	A/C inlet pipe temperature
TH6	Heat exchanger inlet pipe temperature
TH7	OA temperature
TH8	IPM temperature
Z24, 25	Function setting connector

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



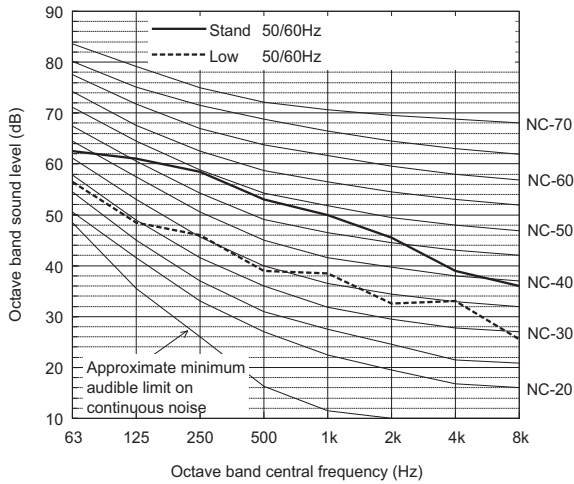
Sound level of PURY-P300YJM-A(-BS)



		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.

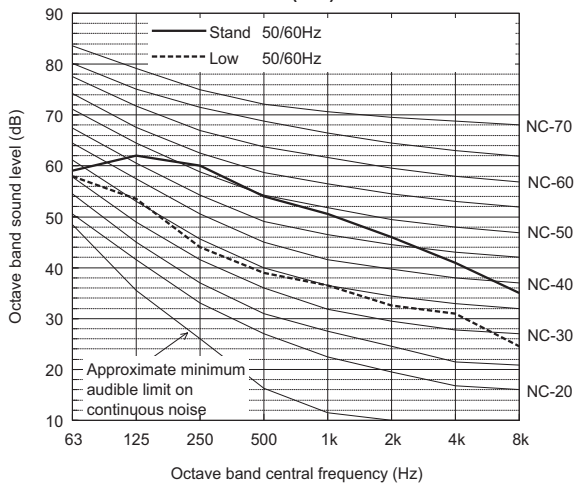
Sound level of PURY-P200YJM-A(-BS)



		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)

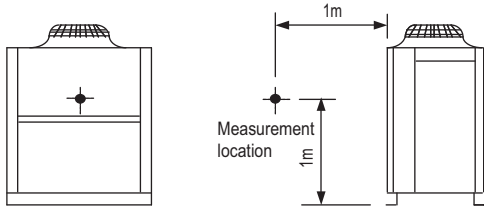


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	59.0	62.0	60.0	54.0	50.5	46.0	41.0	35.0	57.0
Low noise mode	50/60Hz	58.0	53.5	44.0	39.0	36.5	32.5	31.0	24.5	44.0

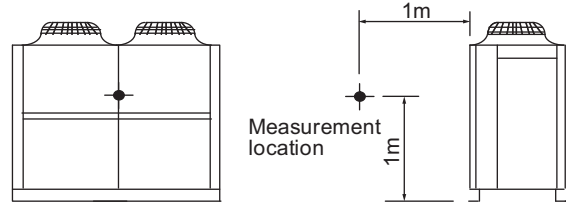
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

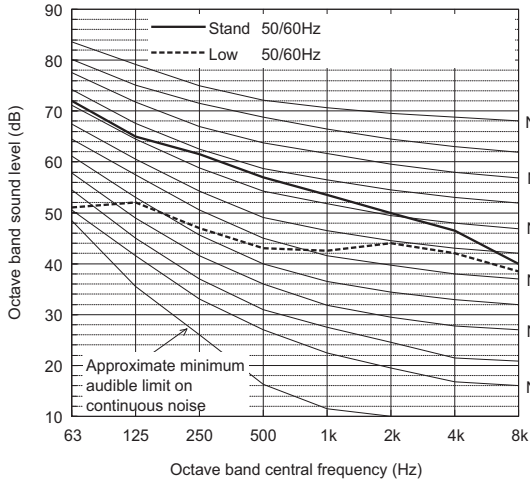
Measurement condition
PURY-P350,400YJM-A(-BS)



Measurement condition
PURY-P450YJM-A(-BS)



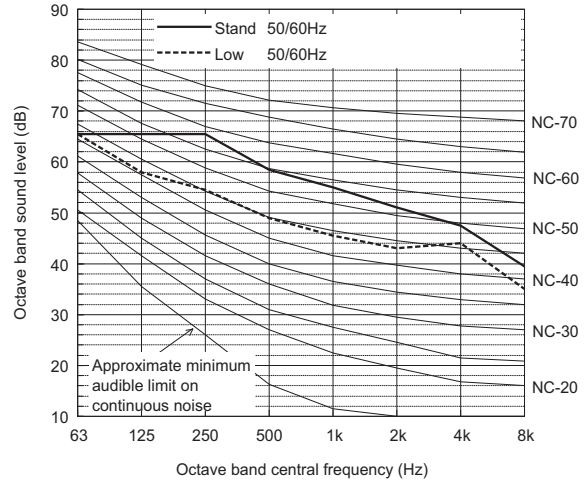
Sound level of PURY-P350YJM-A(-BS)



		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.

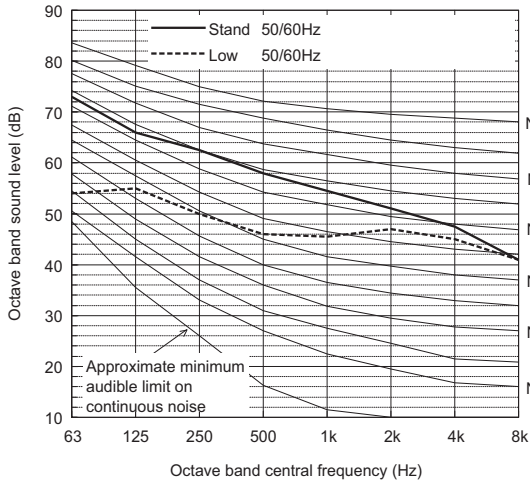
Sound level of PURY-P450YJM-A(-BS)



		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)

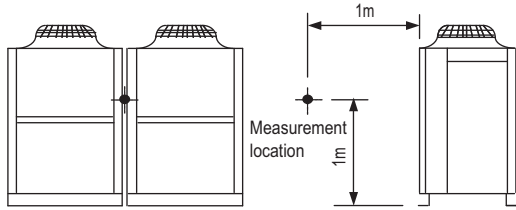


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	66.0	62.5	58.0	54.5	51.0	47.5	41.0	61.0
Low noise mode	50/60Hz	54.0	55.0	50.0	46.0	45.5	47.0	45.0	41.0	53.0

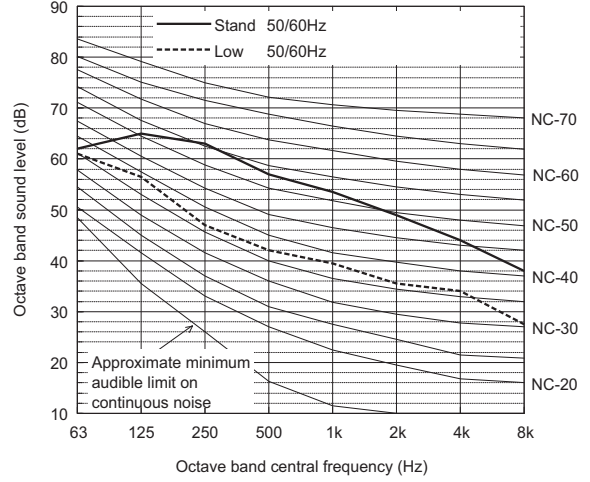
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

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



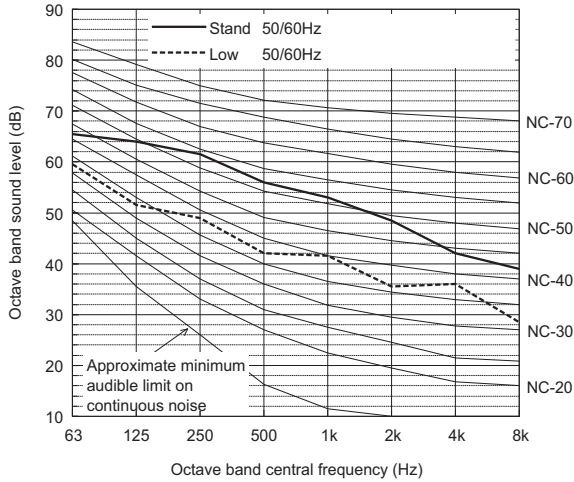
Sound level of PURY-P500YSJM-A(-BS)



		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.

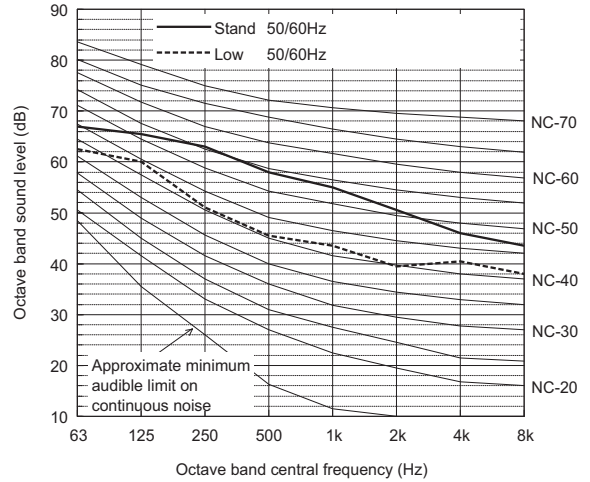
Sound level of PURY-P400YSJM-A1(-BS)



		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.

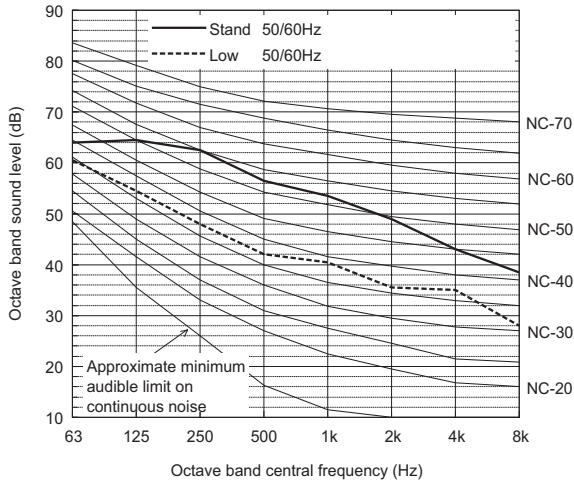
Sound level of PURY-P500YSJM-A1(-BS)



		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.

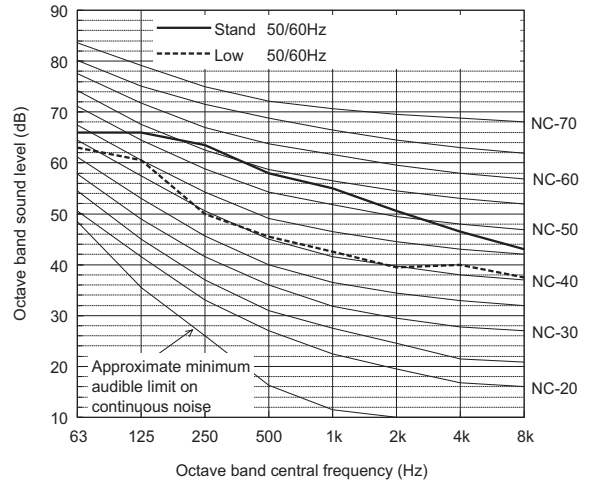
Sound level of PURY-P450YSJM-A1(-BS)



		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.

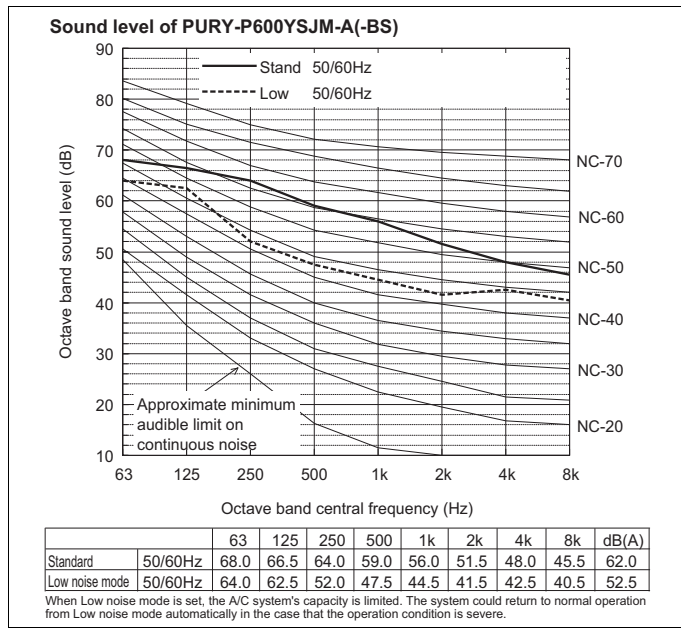
Sound level of PURY-P550YSJM-A(-BS)



		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

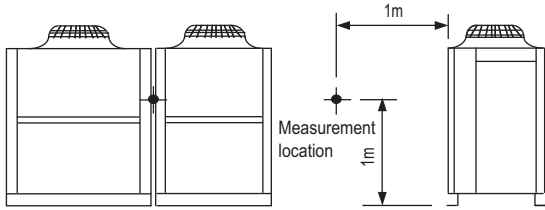
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

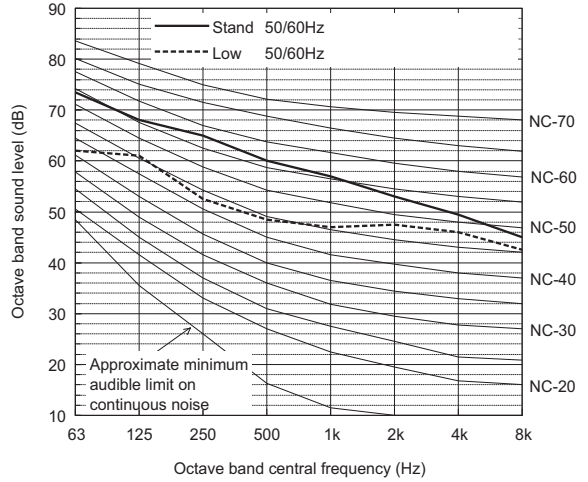


R2

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



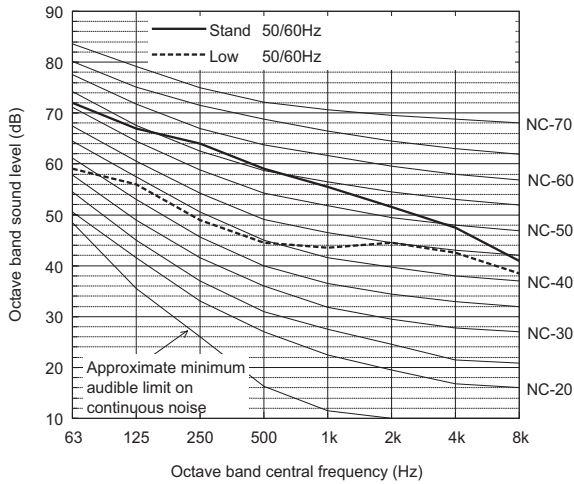
Sound level of PURY-P700YSJM-A(-BS)



		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.

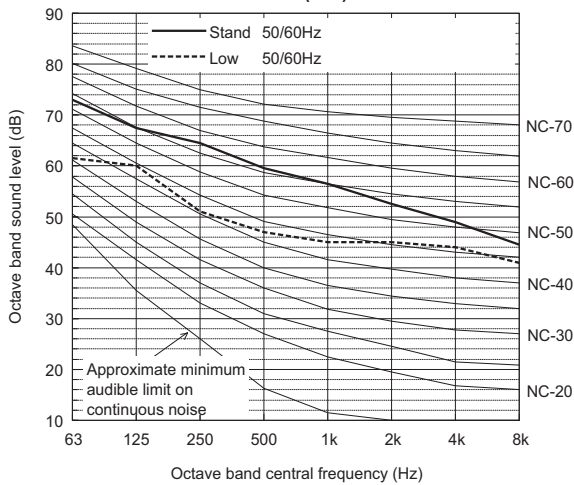
Sound level of PURY-P600YSJM-A1(-BS)



		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)

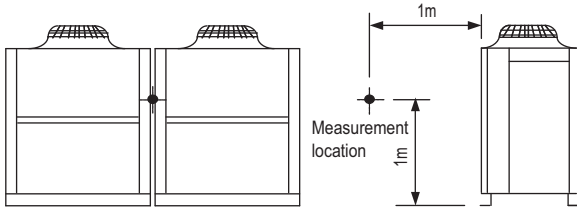


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	67.5	64.5	59.5	56.5	52.5	49.0	44.5	62.5
Low noise mode	50/60Hz	61.5	60.0	51.0	47.0	45.0	45.0	44.0	41.0	53.0

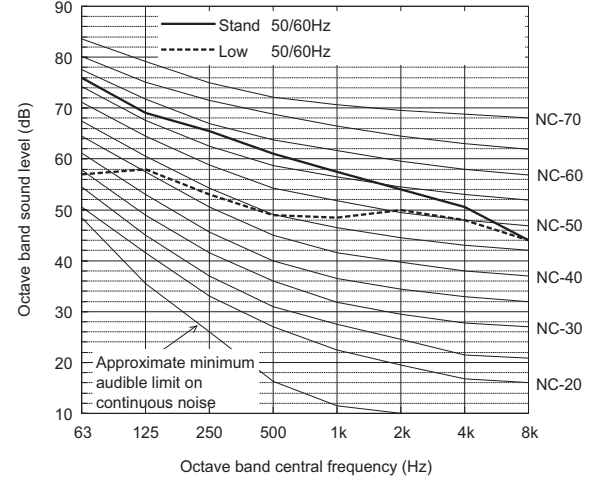
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

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



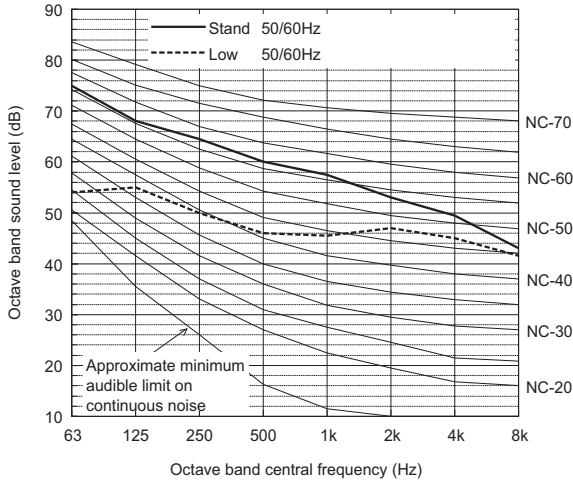
Sound level of PURY-P800YSJM-A(-BS)



		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.

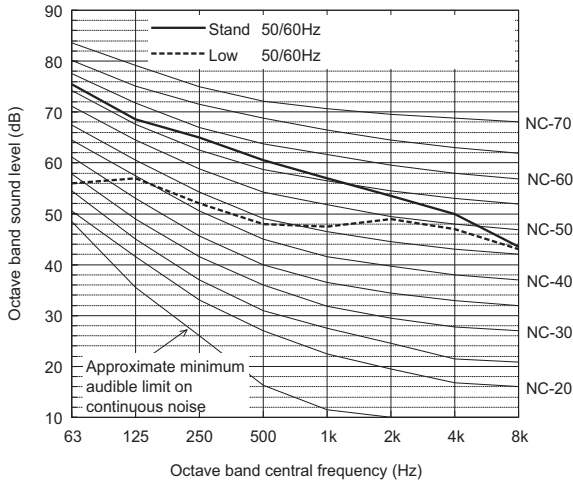
Sound level of PURY-P700YSJM-A1(-BS)



		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)

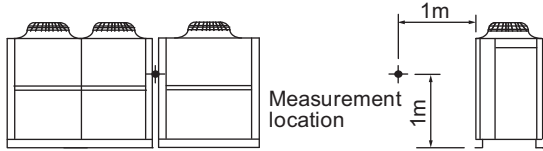


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	68.5	65.0	60.5	57.0	53.5	50.0	43.5	63.5
Low noise mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	43.0	55.0

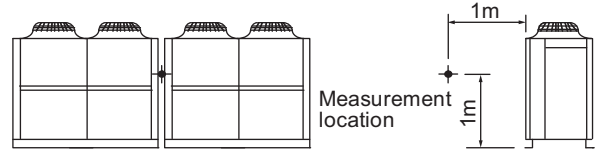
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

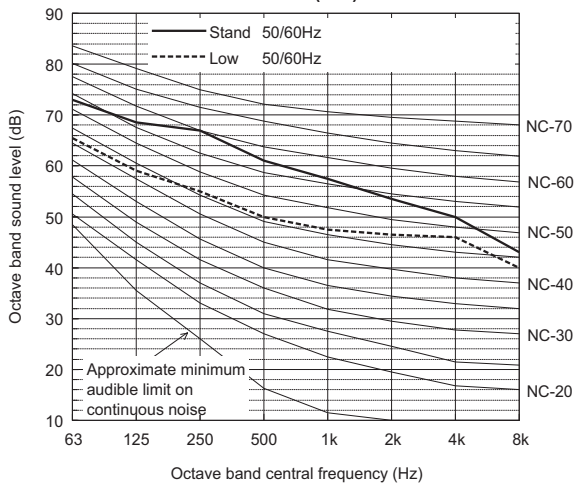
Measurement condition
PURY-P800,850YSJM-A(1)(-BS)



Measurement condition
PURY-P900YSJM-A(-BS)



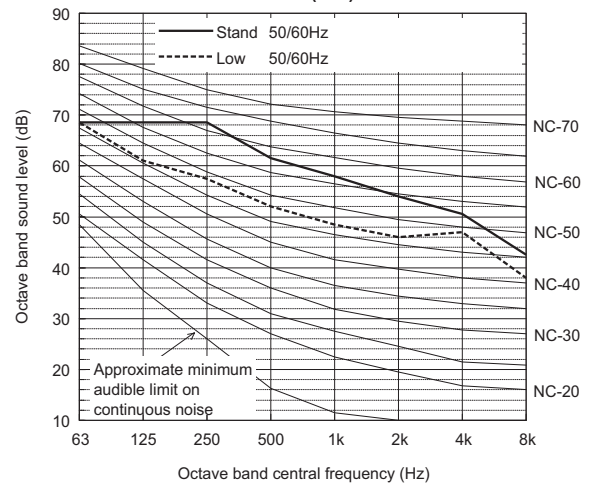
Sound level of PURY-P800YSJM-A1(-BS)



		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.

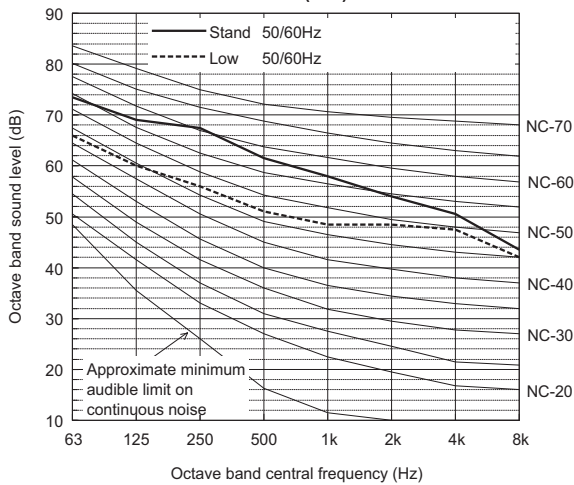
Sound level of PURY-P900YSJM-A(-BS)



		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

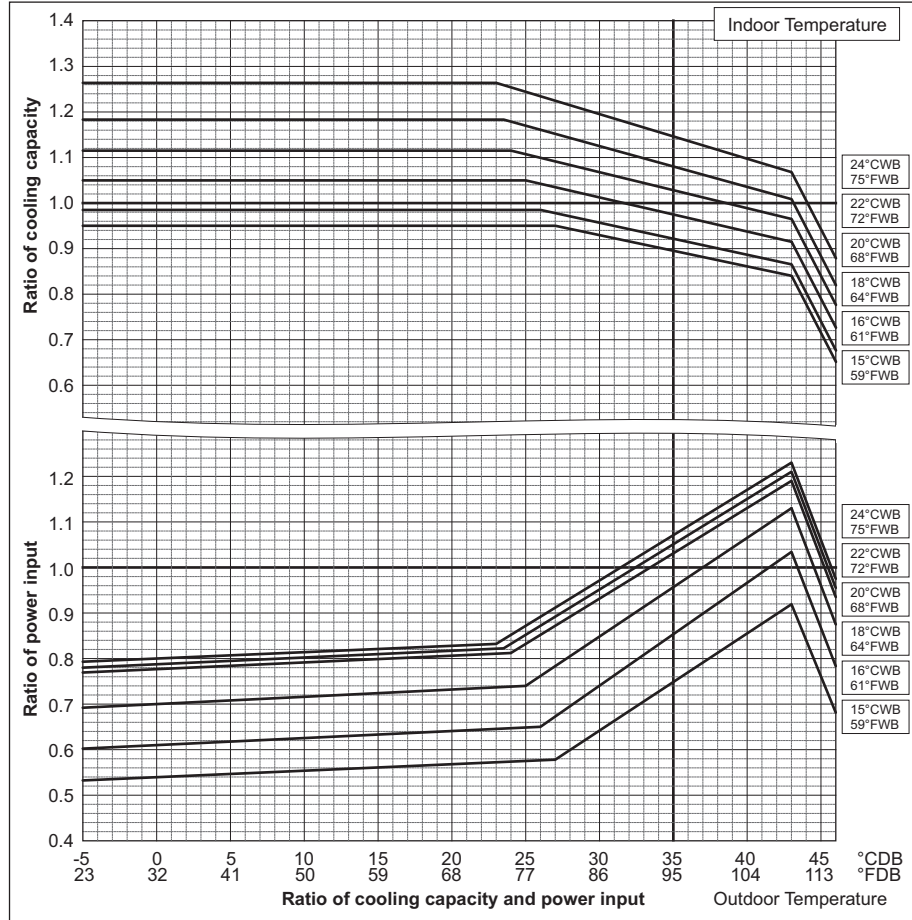
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

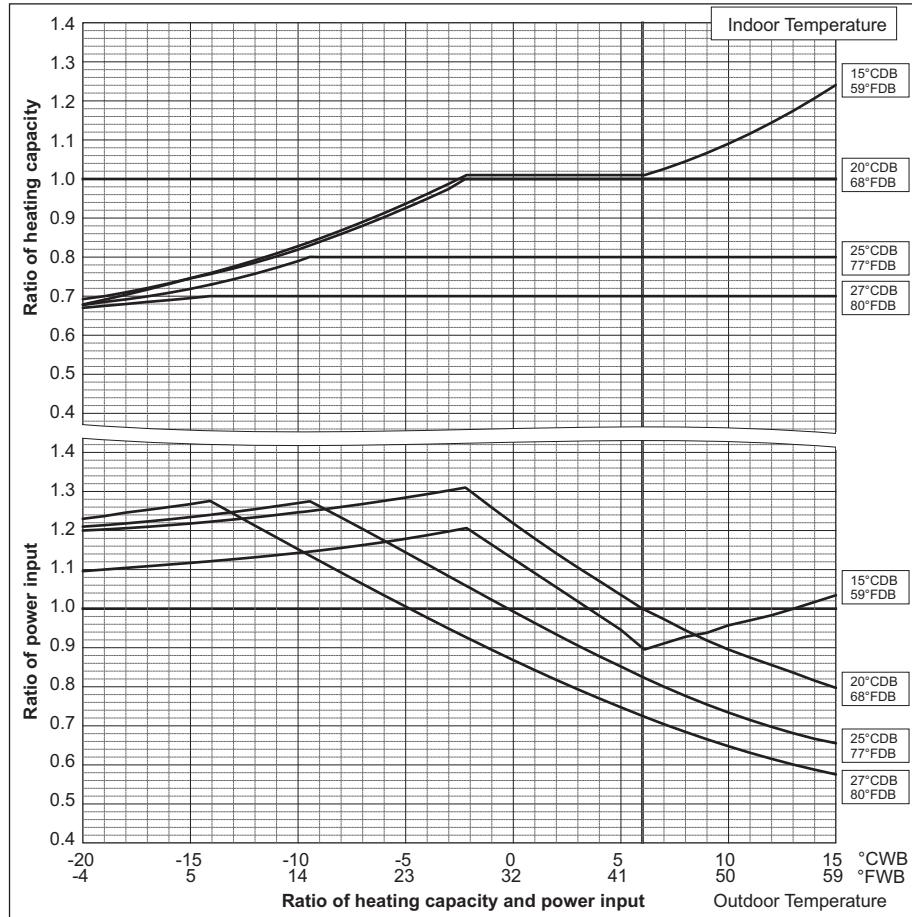
6-1. Correction by temperature

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

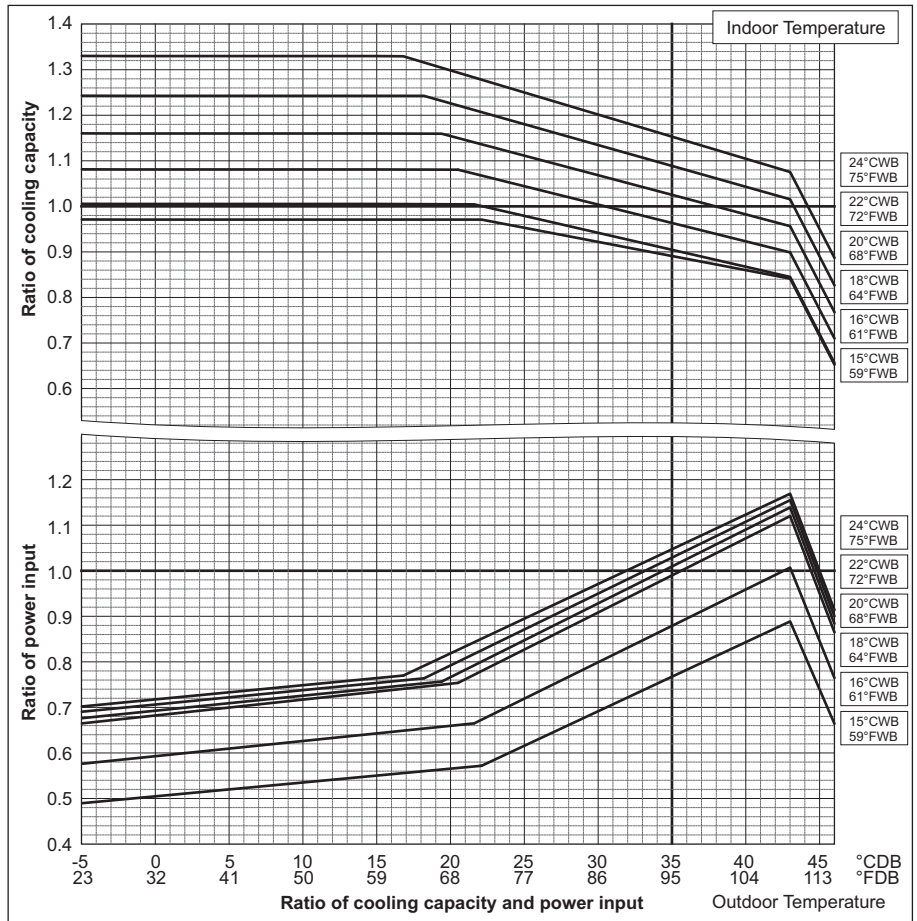


R2

6. CAPACITY TABLES

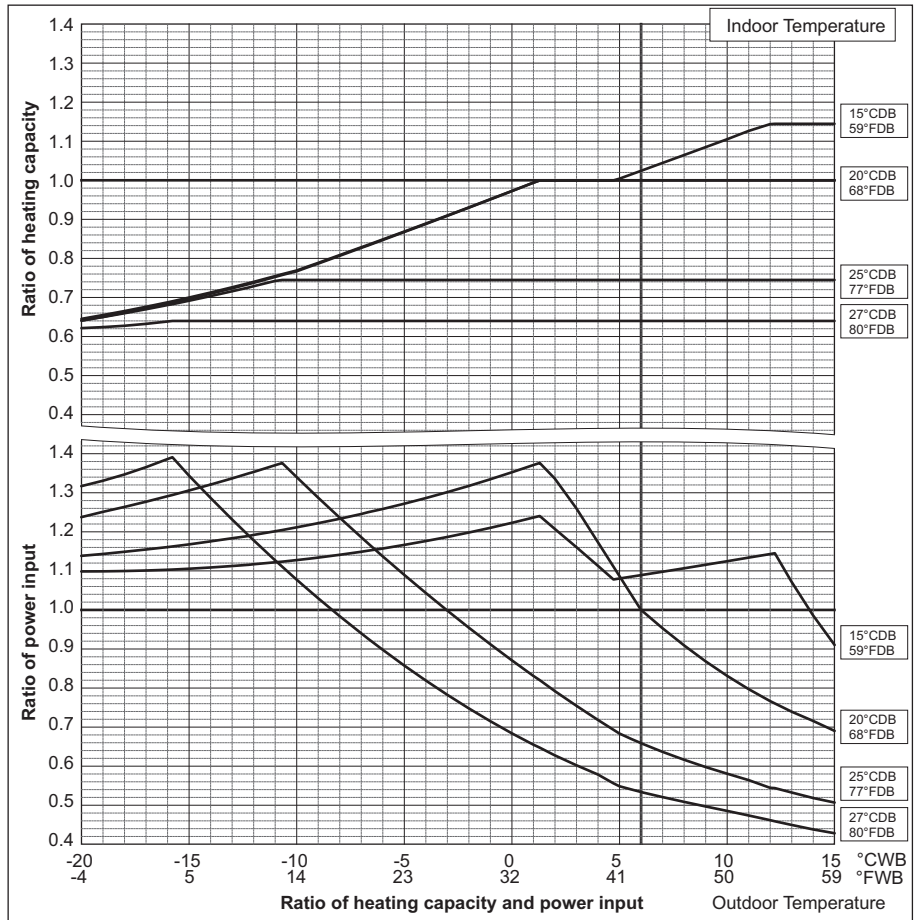
PURY-		P300YJM-A	P350YJM-A
Nominal Cooling Capacity	kW	33.5	40.0
	BTU/h	114,300	136,500
Input	kW	8.67	11.33

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

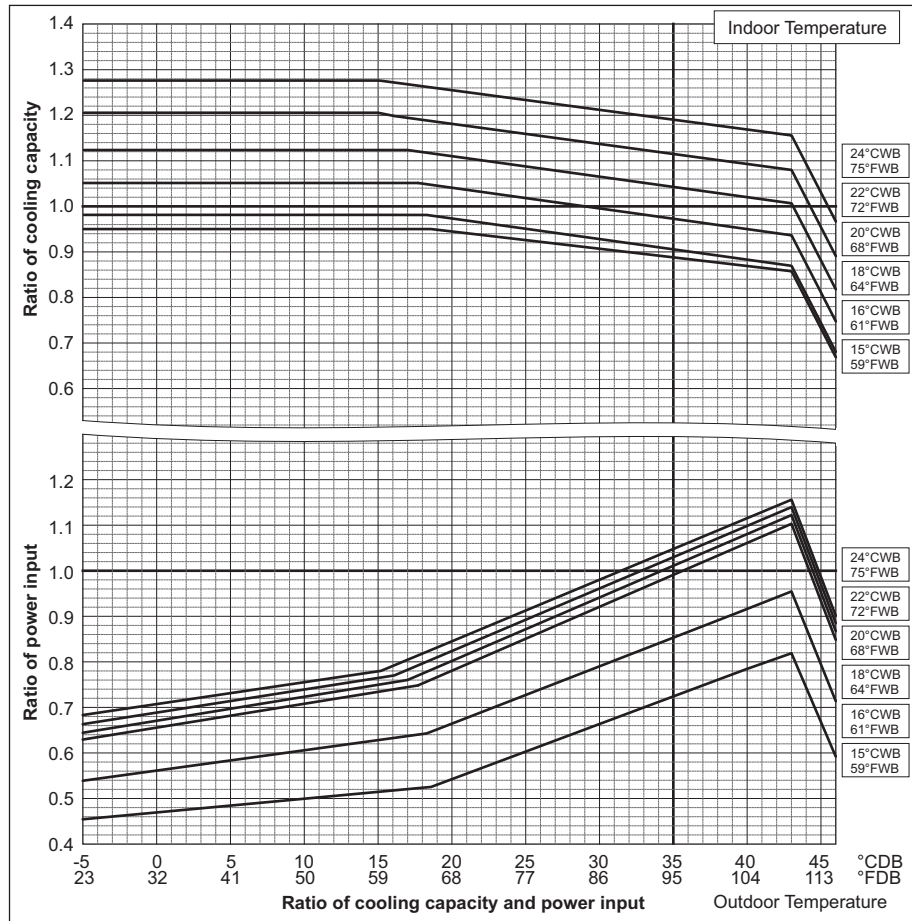
6. CAPACITY TABLES

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

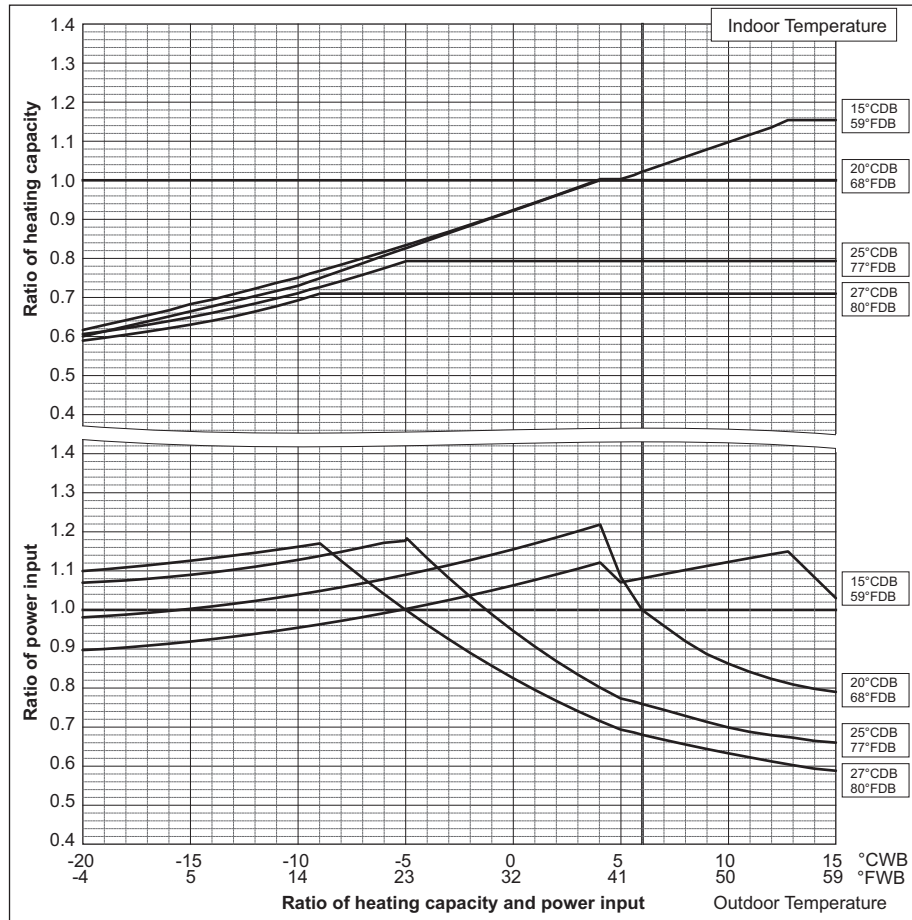


PURY-			
	P450YJM-A	P450YSJM-A1	
Nominal Heating Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.58	13.30

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

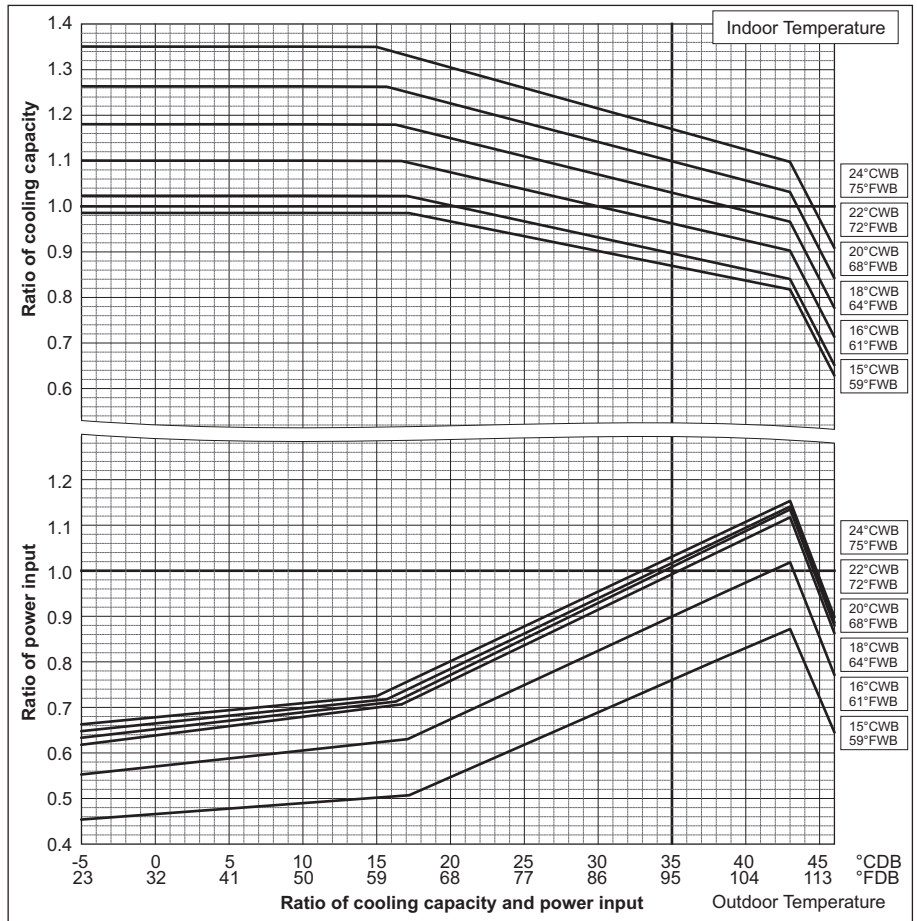


6. CAPACITY TABLES

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

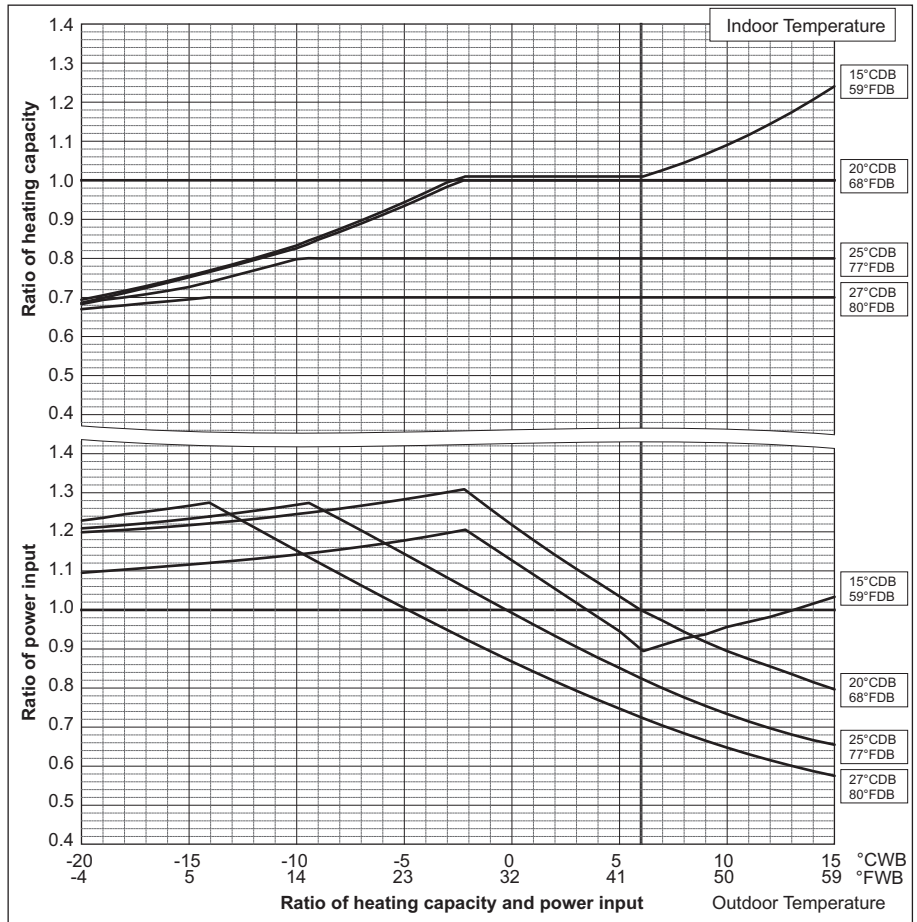
PURY-		P800YSJM-A1
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	26.62



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

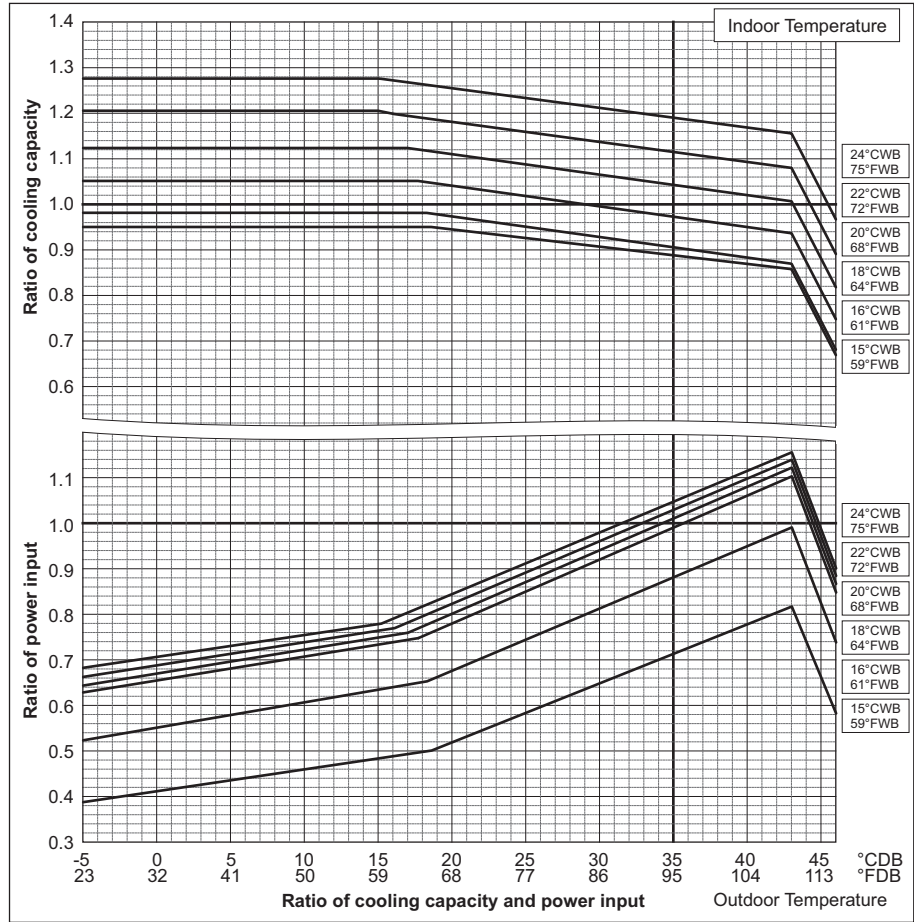
PURY-		P800YSJM-A1
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.77



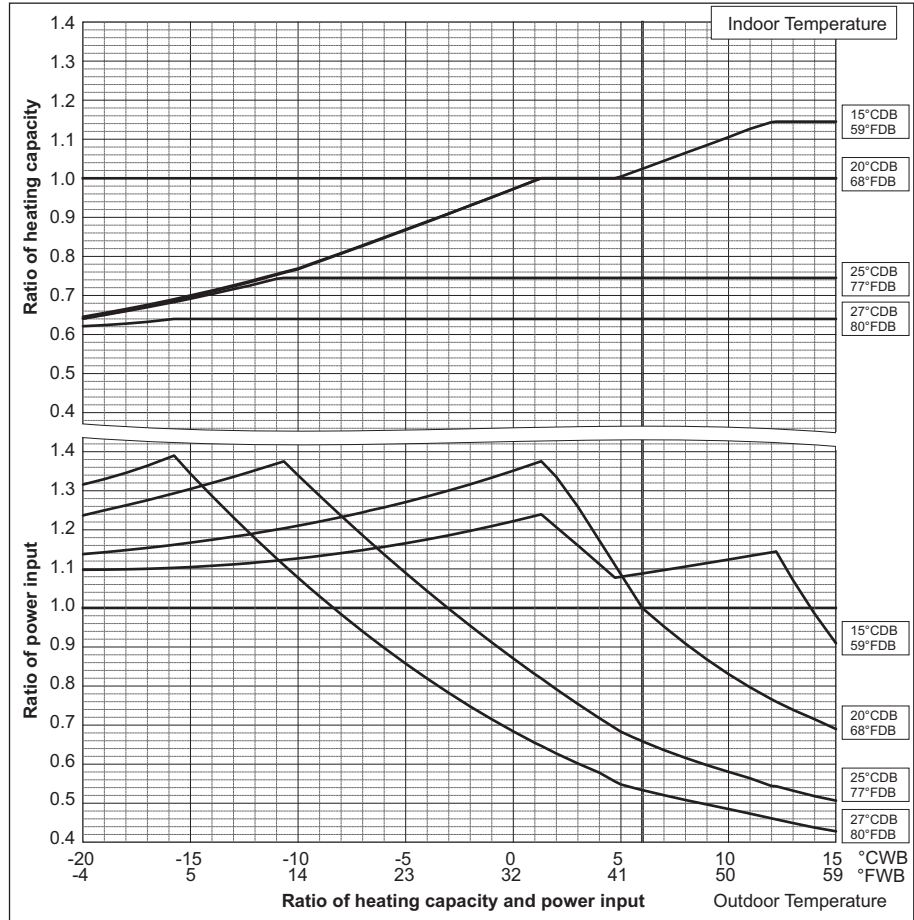
R2

6. CAPACITY TABLES

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



R2

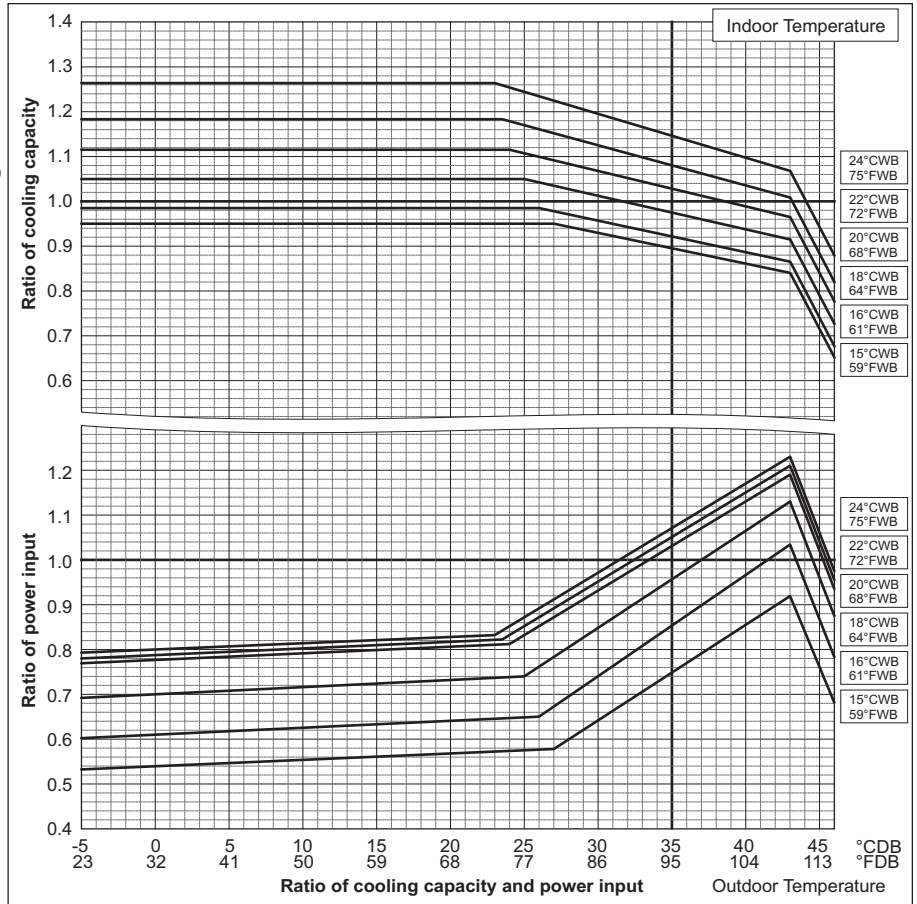
Correction by temperature (COP Priority Mode)

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.

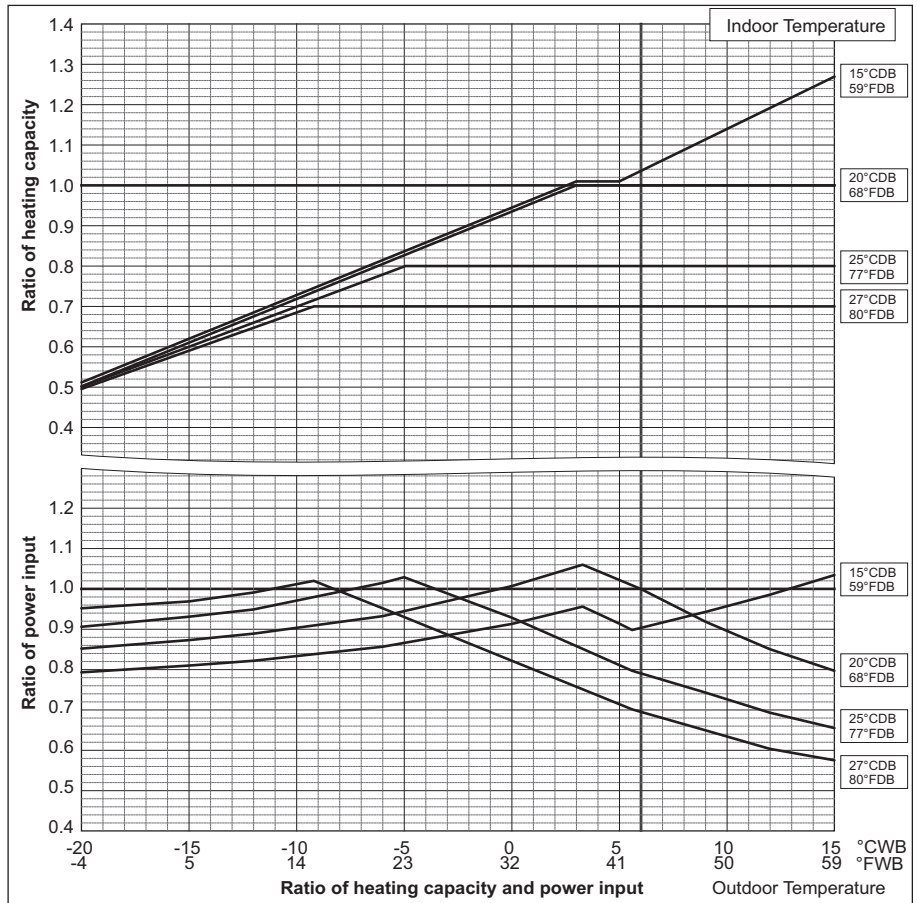
To select COP priority mode, DipSW 3-7 must be set to ON.

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



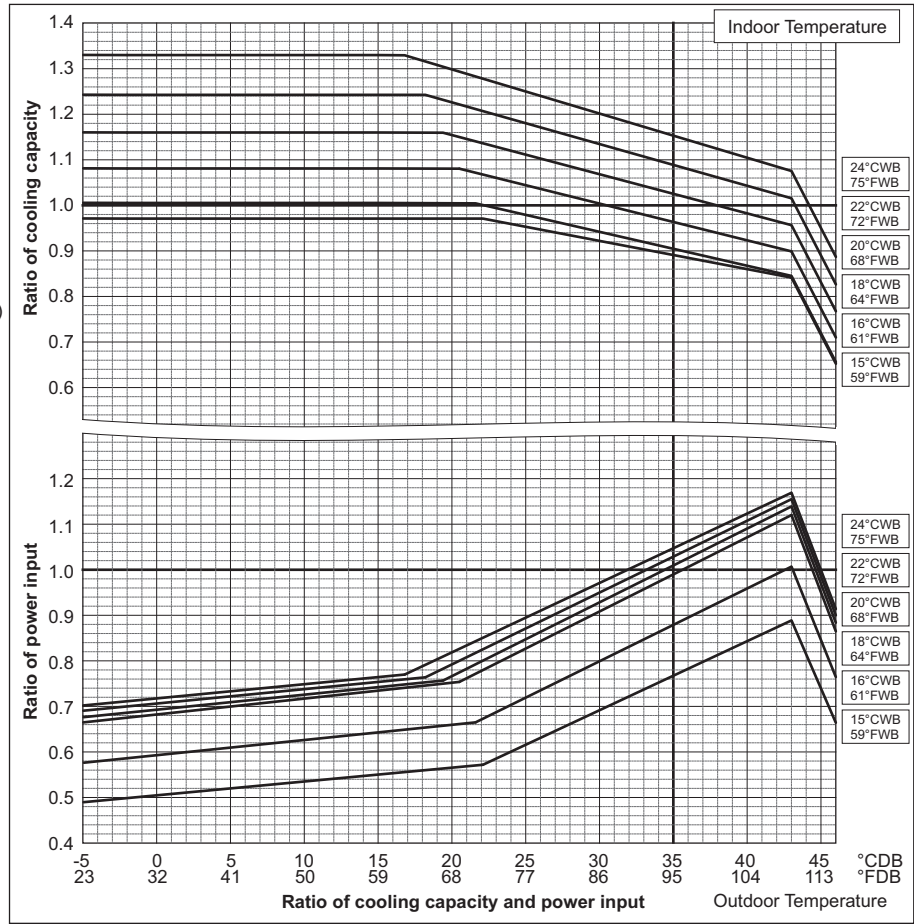
R2

6. CAPACITY TABLES

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

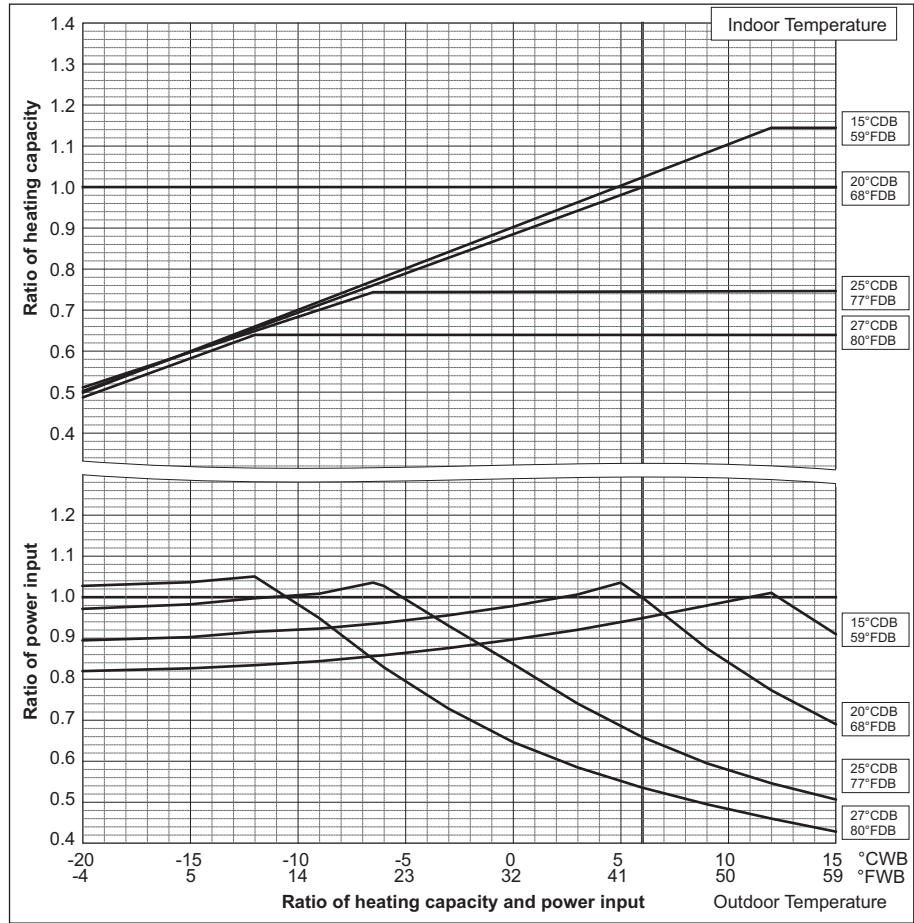
PURY-		P400YJM-A	P400YSJM-A1
Nominal Cooling Capacity	kW	45.0	45.0
	BTU/h	153,500	153,500
Input	kW	13.55	10.73

(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



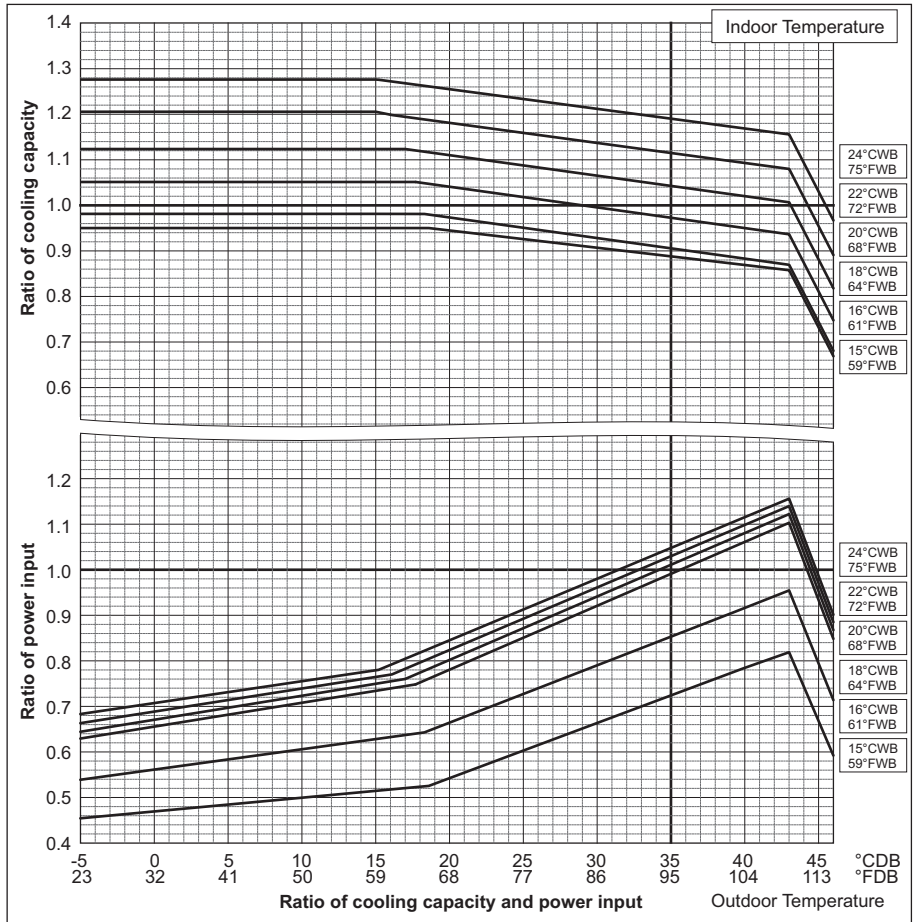
PURY-		P450YJM-A	P450YSJM-A1
Nominal Cooling Capacity	kW	50.0	50.0
	BTU/h	170,600	170,600
Input	kW	14.49	12.50

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

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

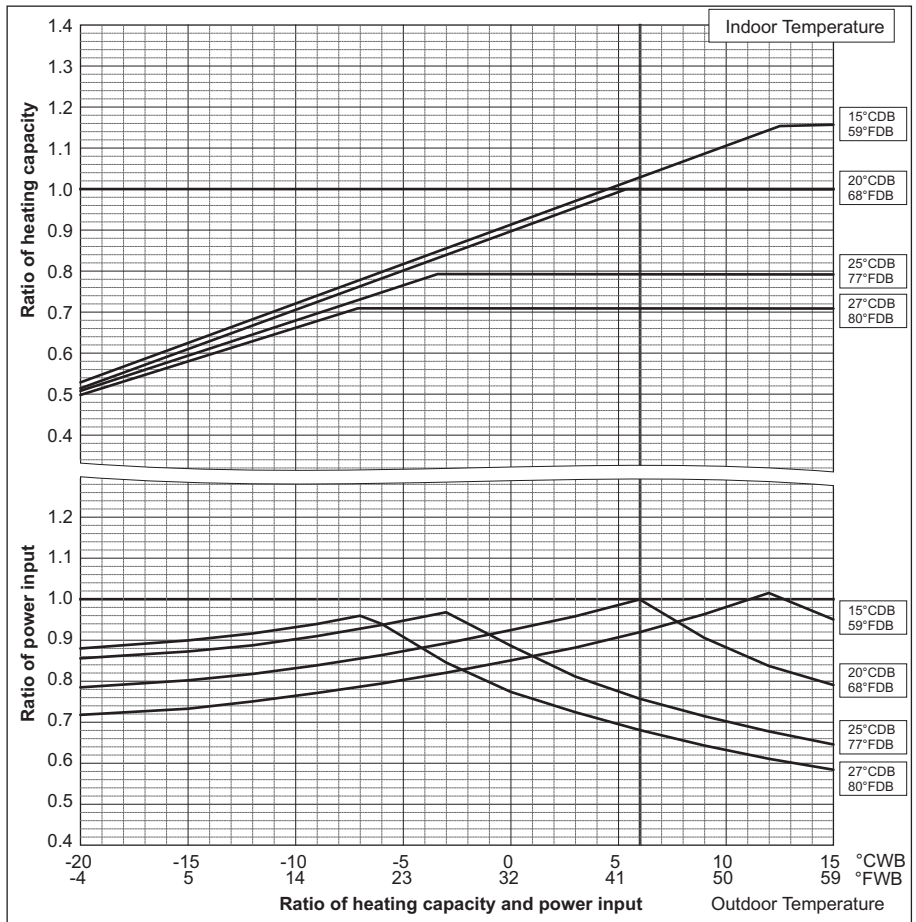


PURY-		P450YJM-A	P450YSJM-A1
Nominal Heating Capacity	kW	56.0	56.0
	BTU/h	191,100	191,100
Input	kW	14.58	13.30

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



R2

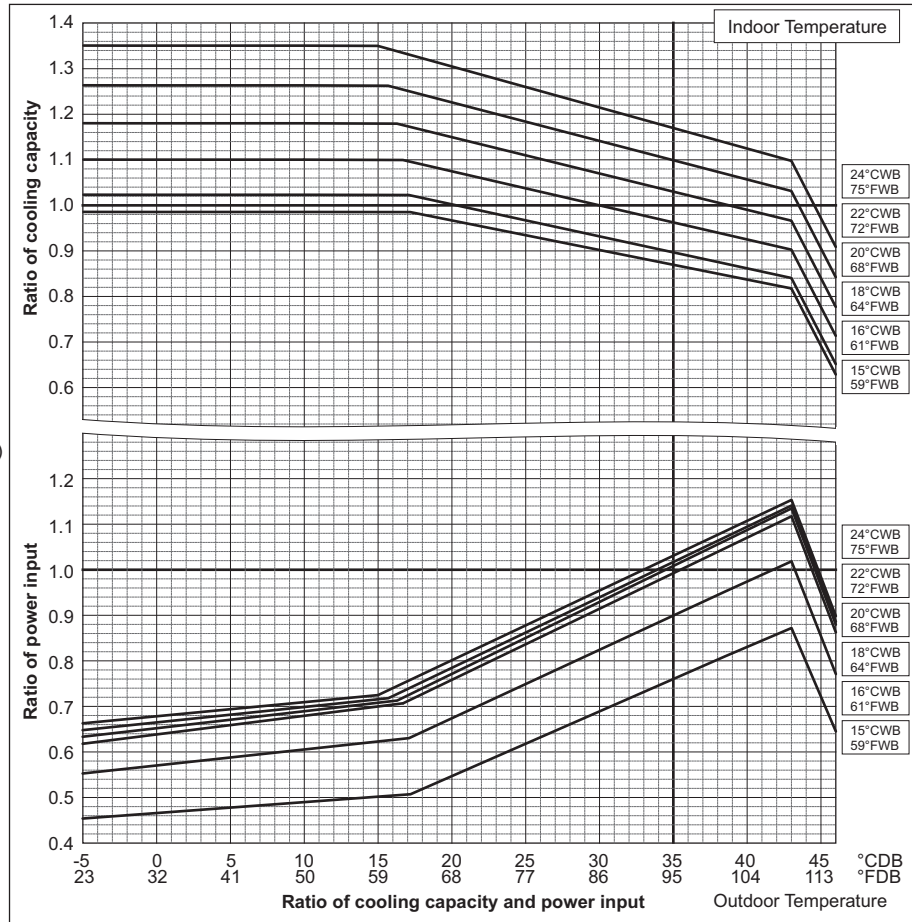
6. CAPACITY TABLES

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

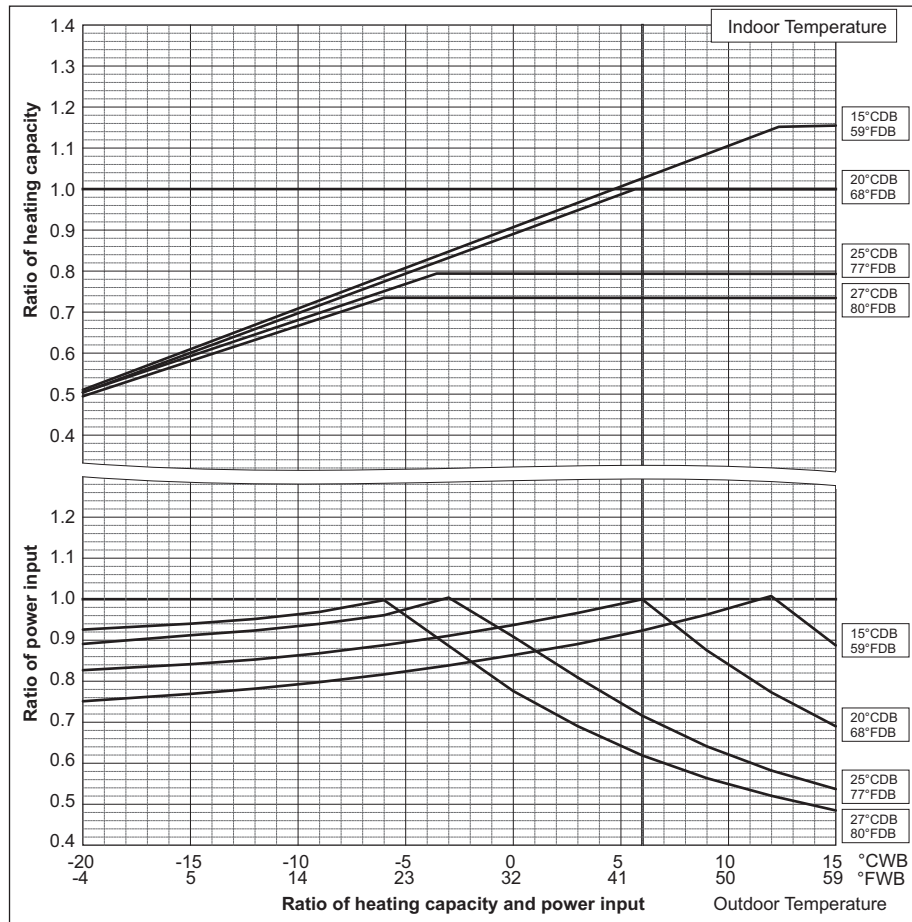
(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



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

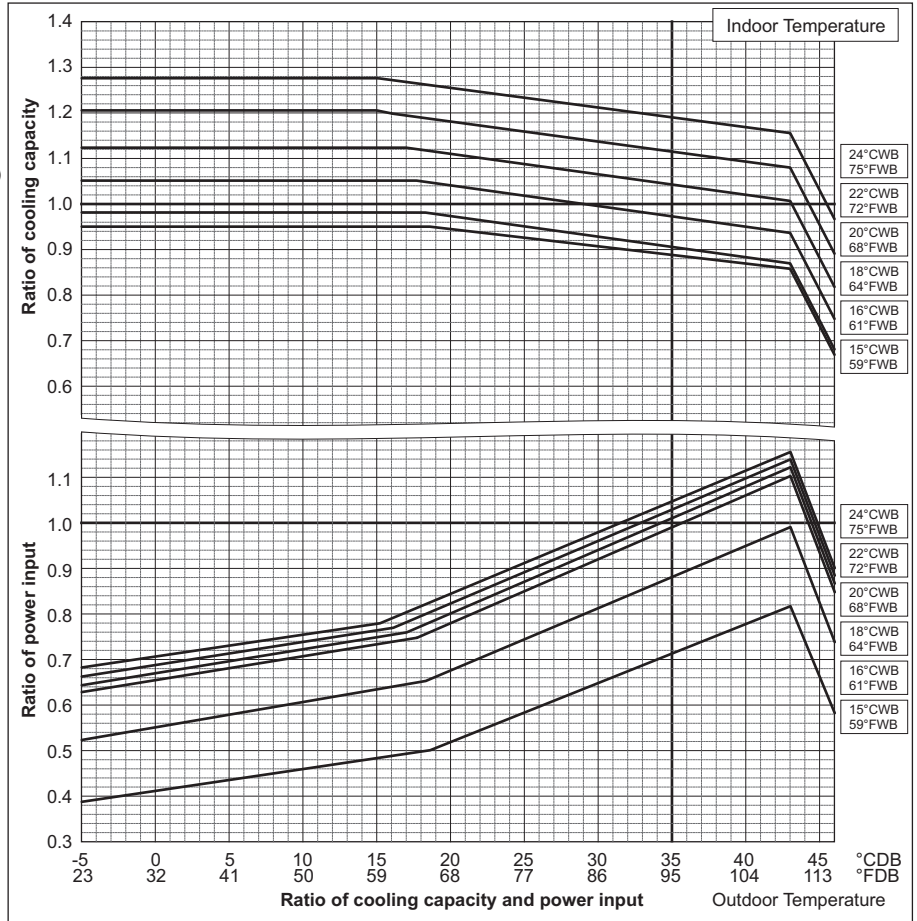
PURY-		P800YSJM-A1
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.77



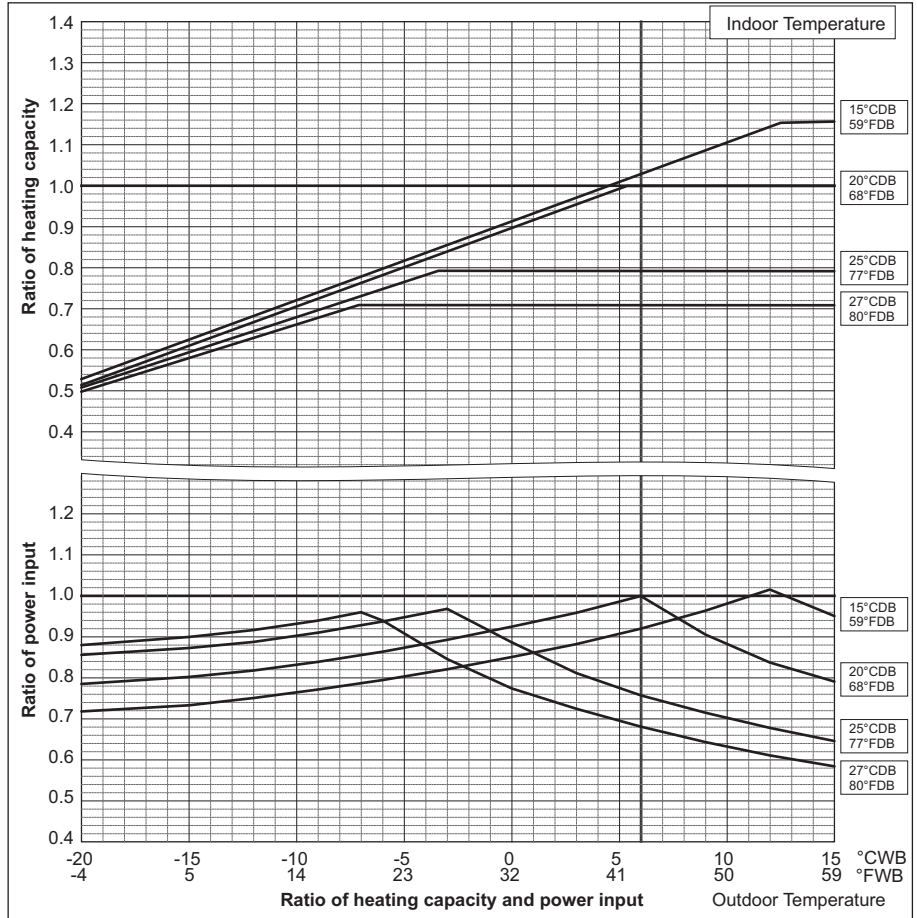
6. CAPACITY TABLES

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



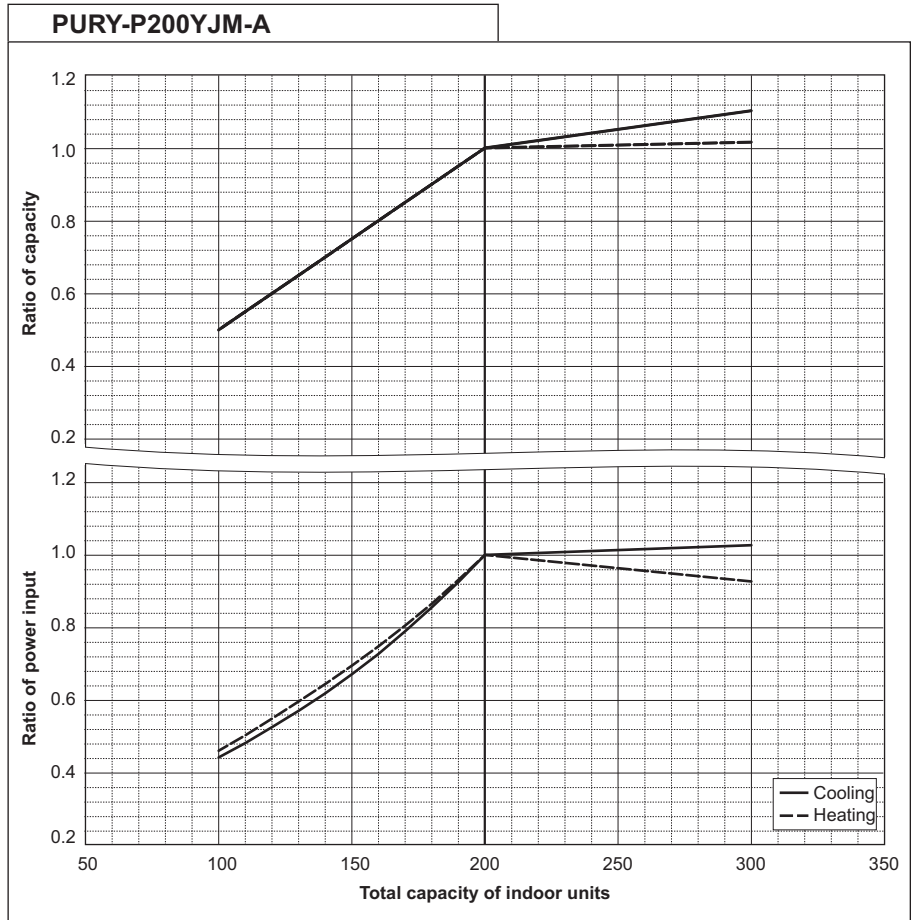
R2

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.

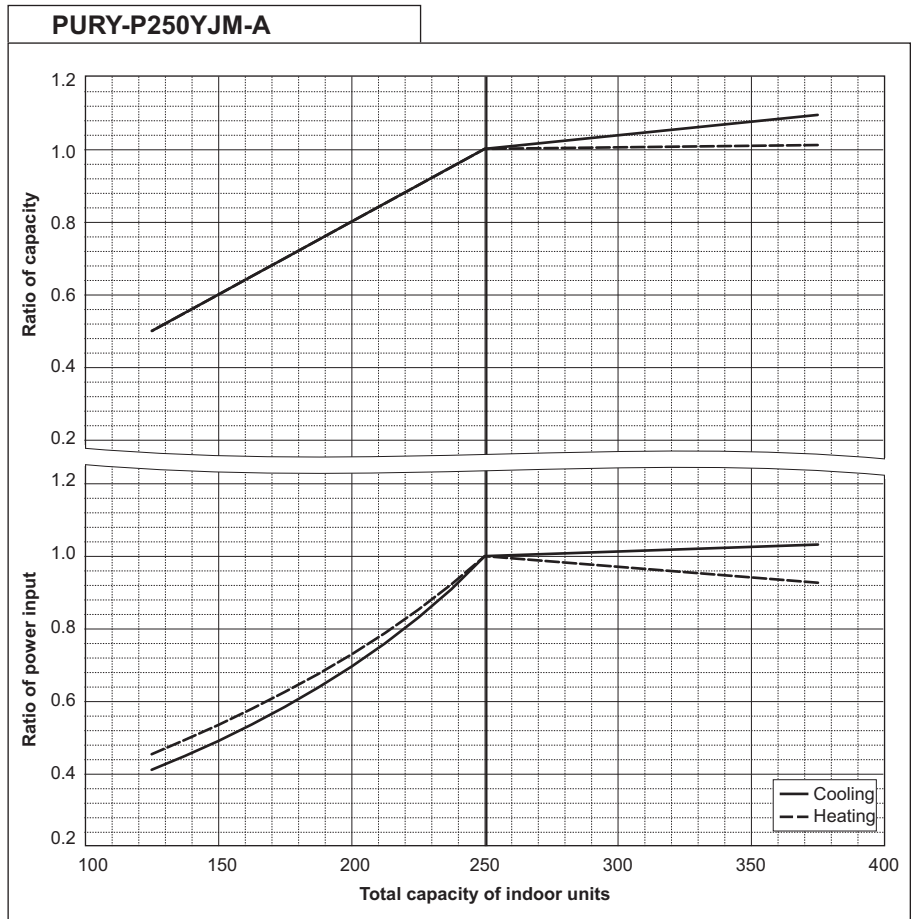
PURY-P200YJM-A		
Nominal Cooling Capacity	kW	22.4
	BTU/h	76,400
Input	kW	5.18

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

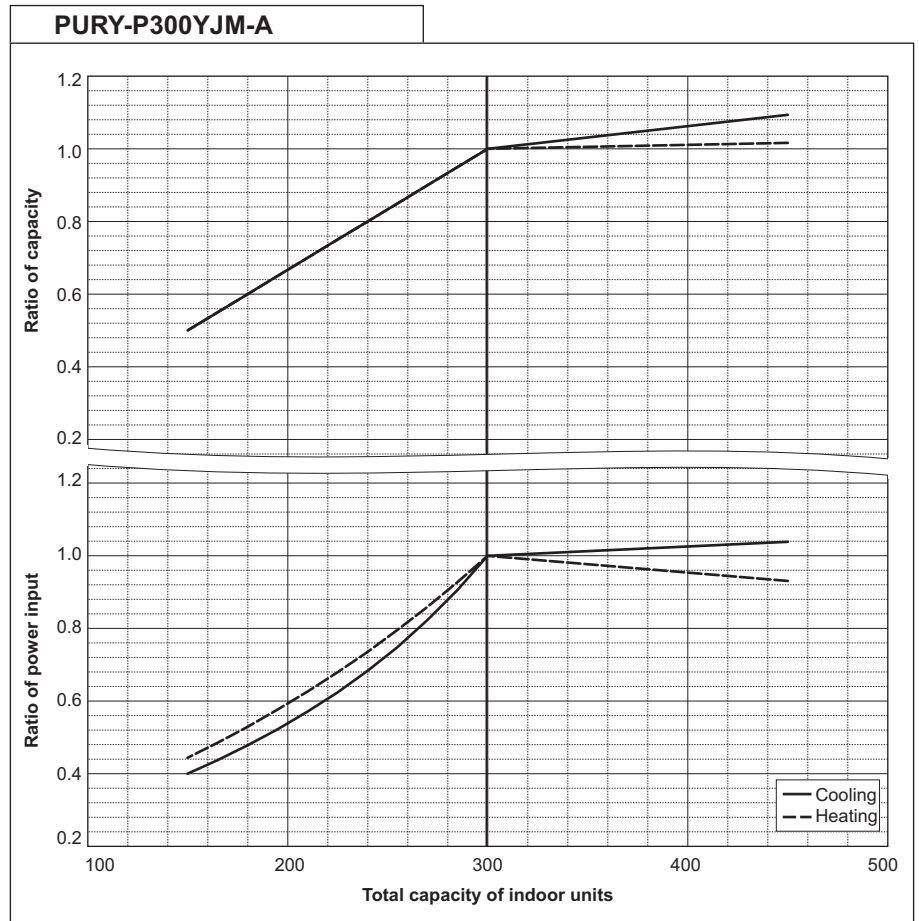
PURY-P250YJM-A		
Nominal Heating Capacity	kW	31.5
	BTU/h	107,500
Input	kW	7.32



R2

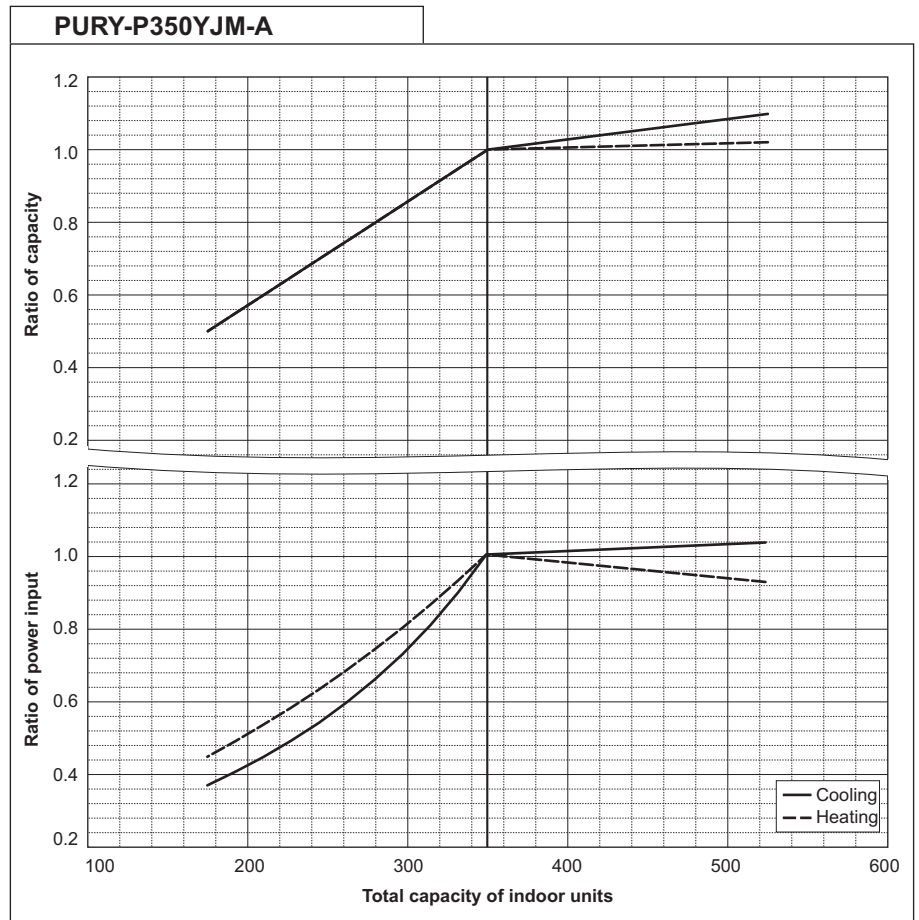
PURY-P300YJM-A		
Nominal Cooling Capacity	kW	33.5
	BTU/h	114,300
Input	kW	8.67

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



PURY-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

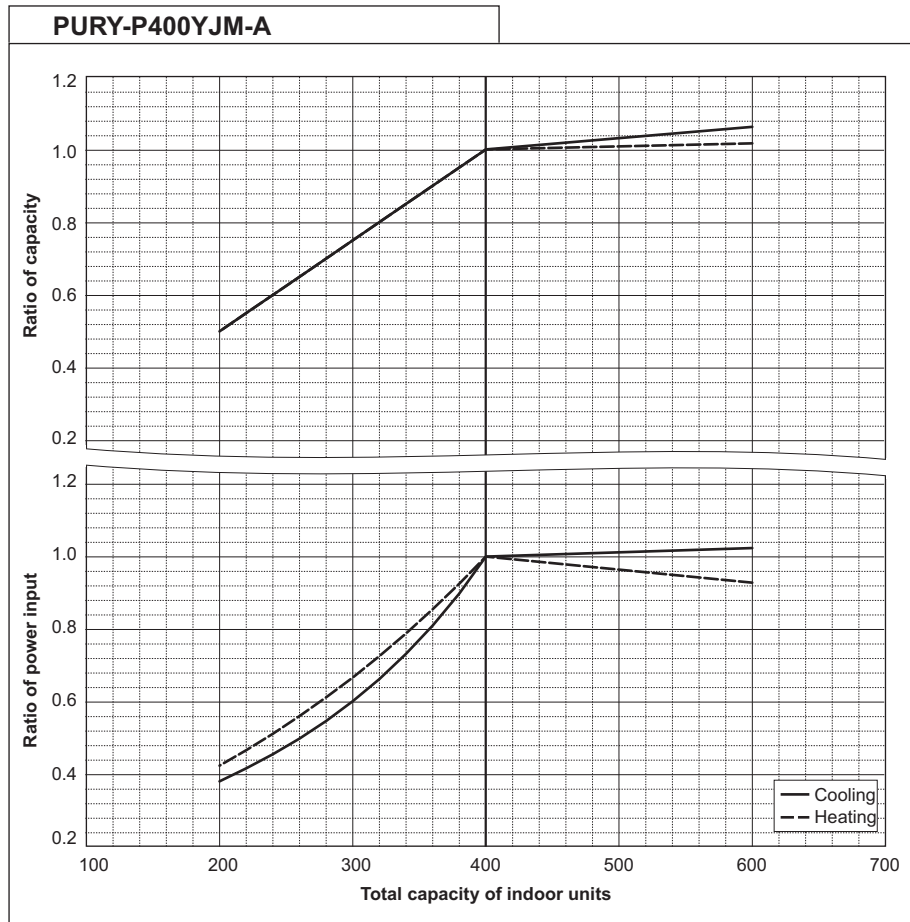


R2

R2

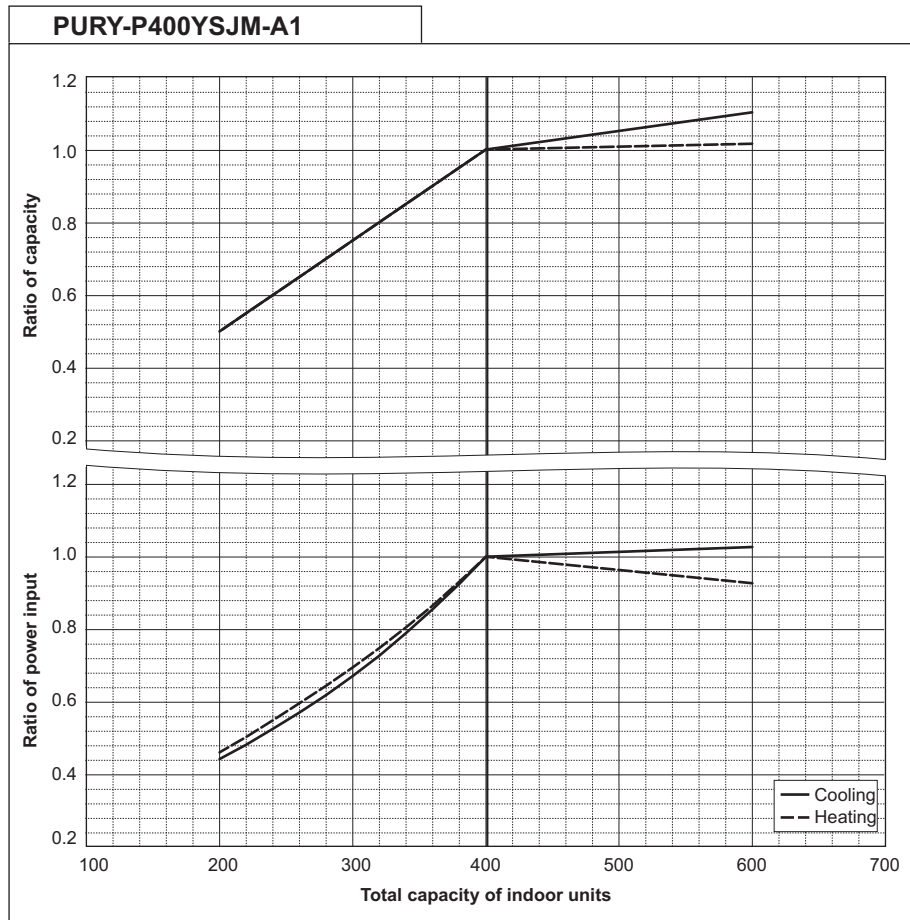
PURY-P400YJM-A		
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	13.55

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



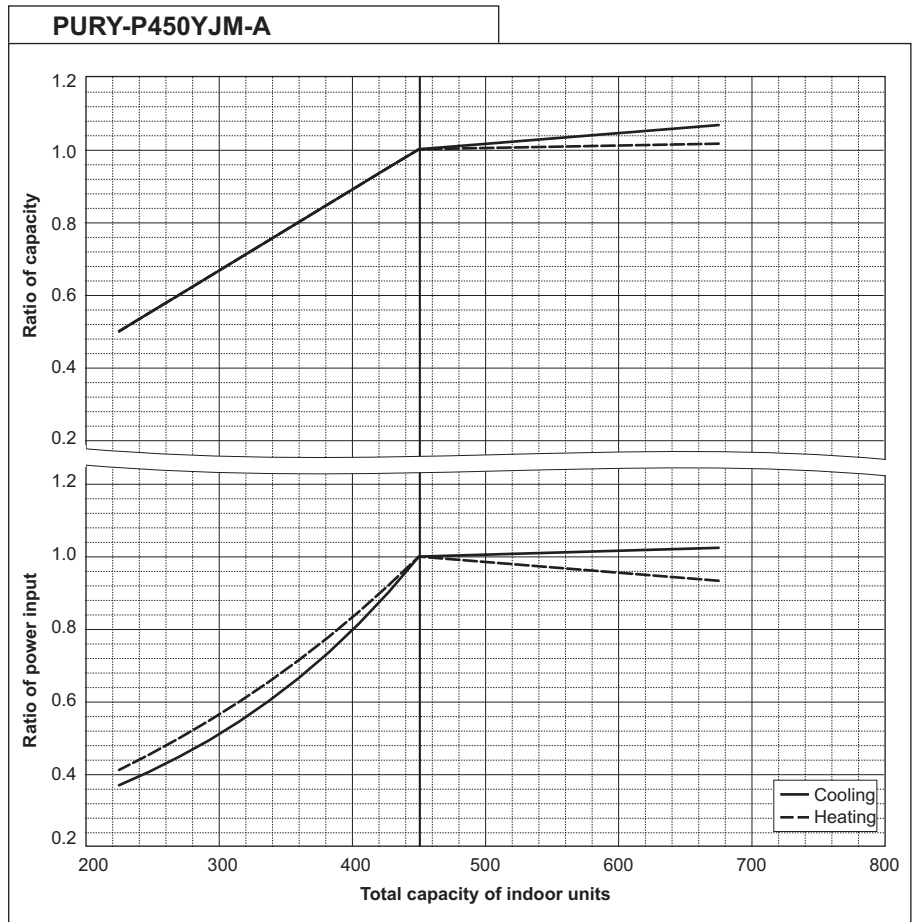
PURY-P400YSJM-A1		
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	10.73

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



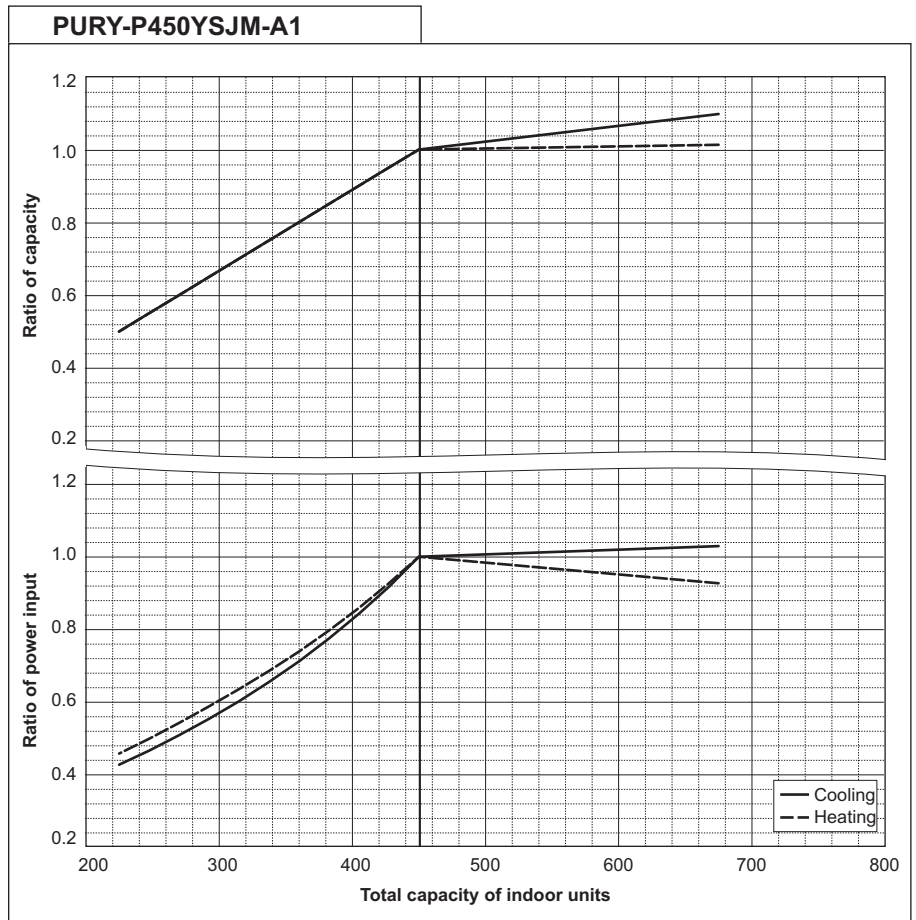
PURY-P450YJM-A		
Nominal Cooling Capacity	kW	50.0
	BTU/h	170,600
Input	kW	14.49

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

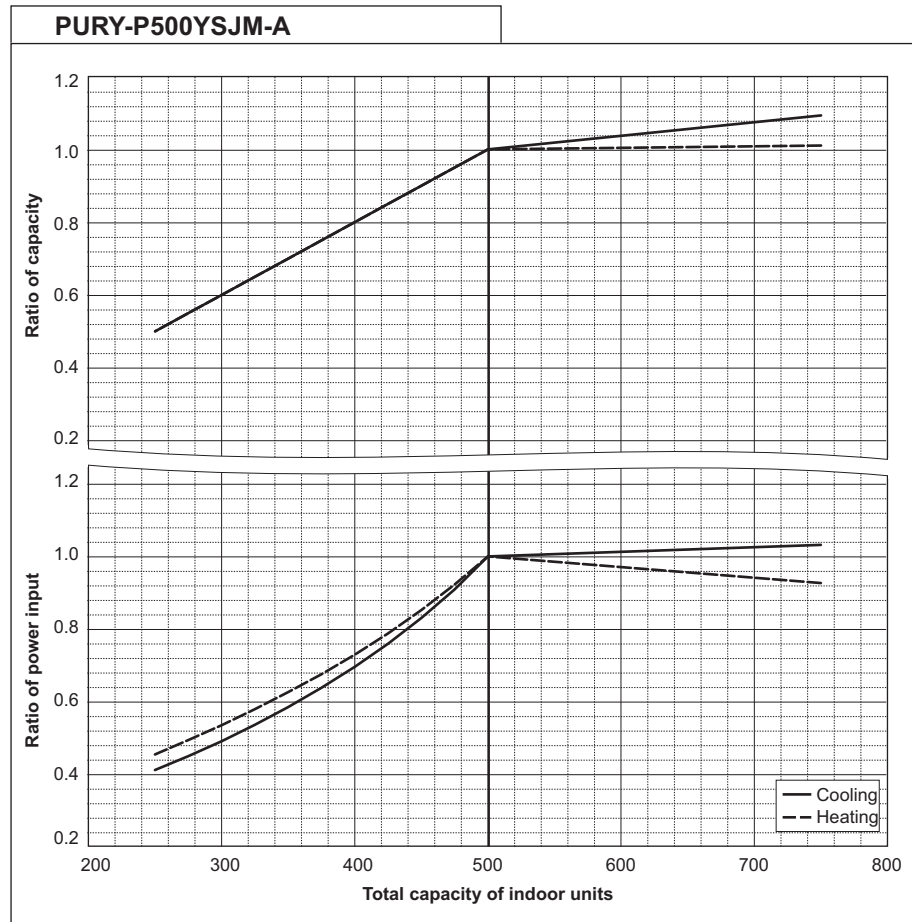


R2

R2

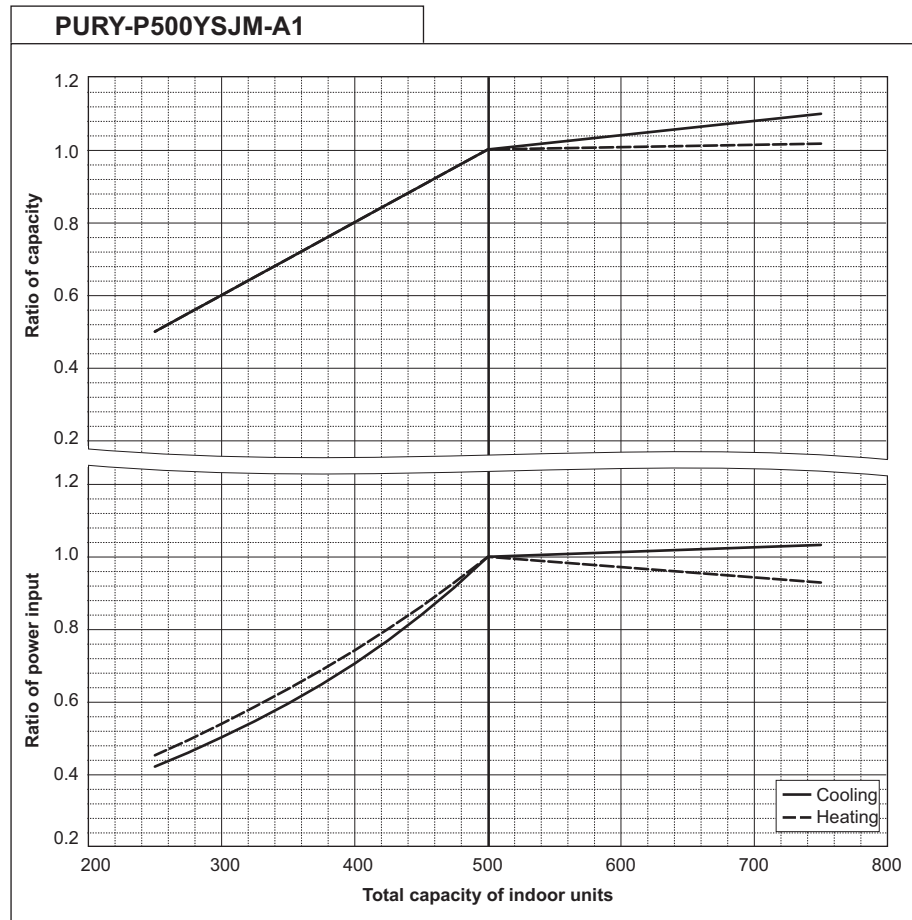
PURY-P500YSJM-A		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	14.85

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



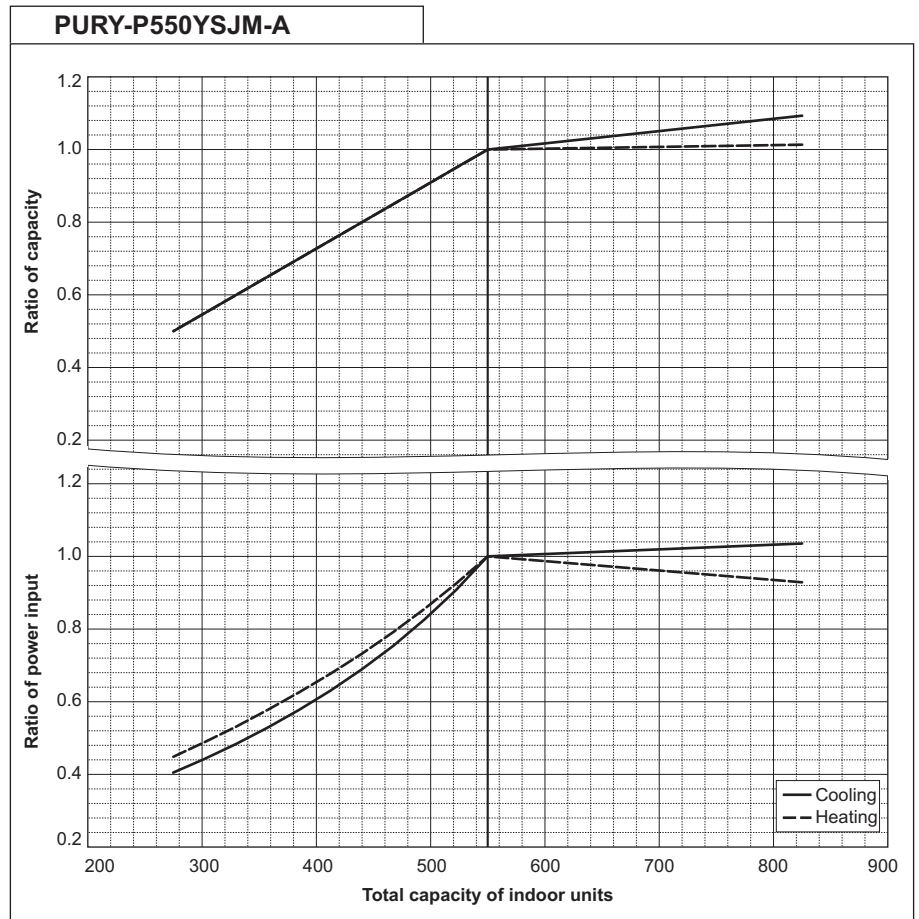
PURY-P500YSJM-A1		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	14.73

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



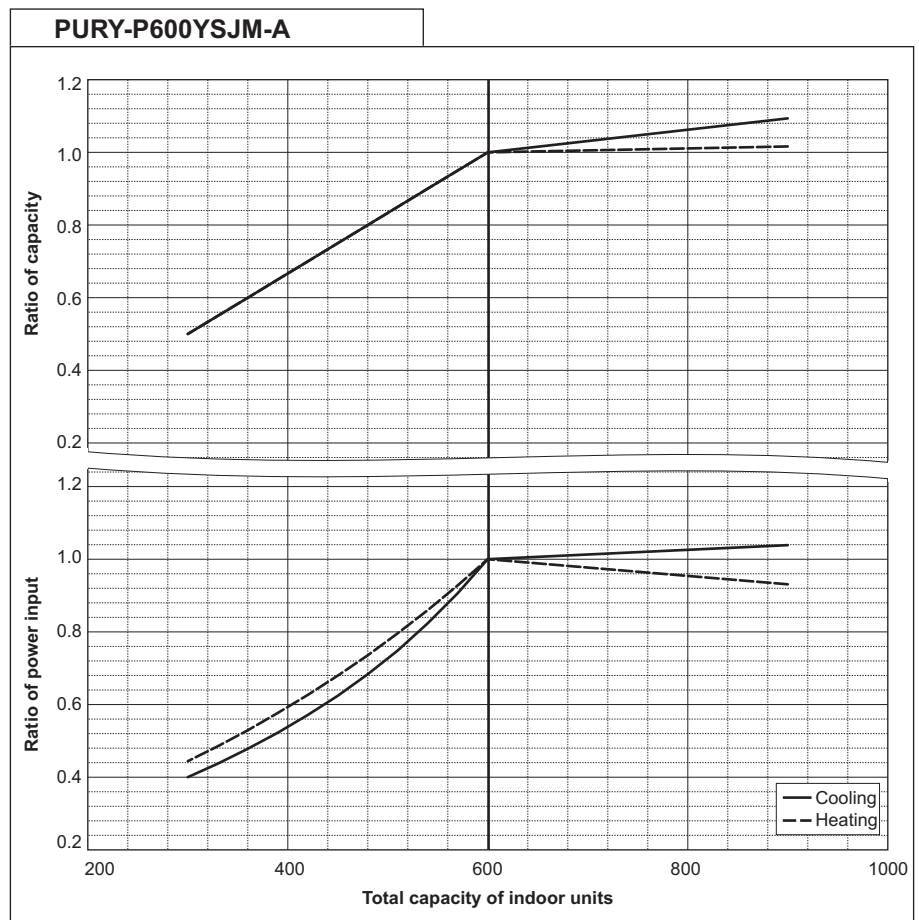
PURY-P550YSJM-A		
Nominal Cooling Capacity	kW	63.0
	BTU/h	215,000
Input	kW	17.30

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



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

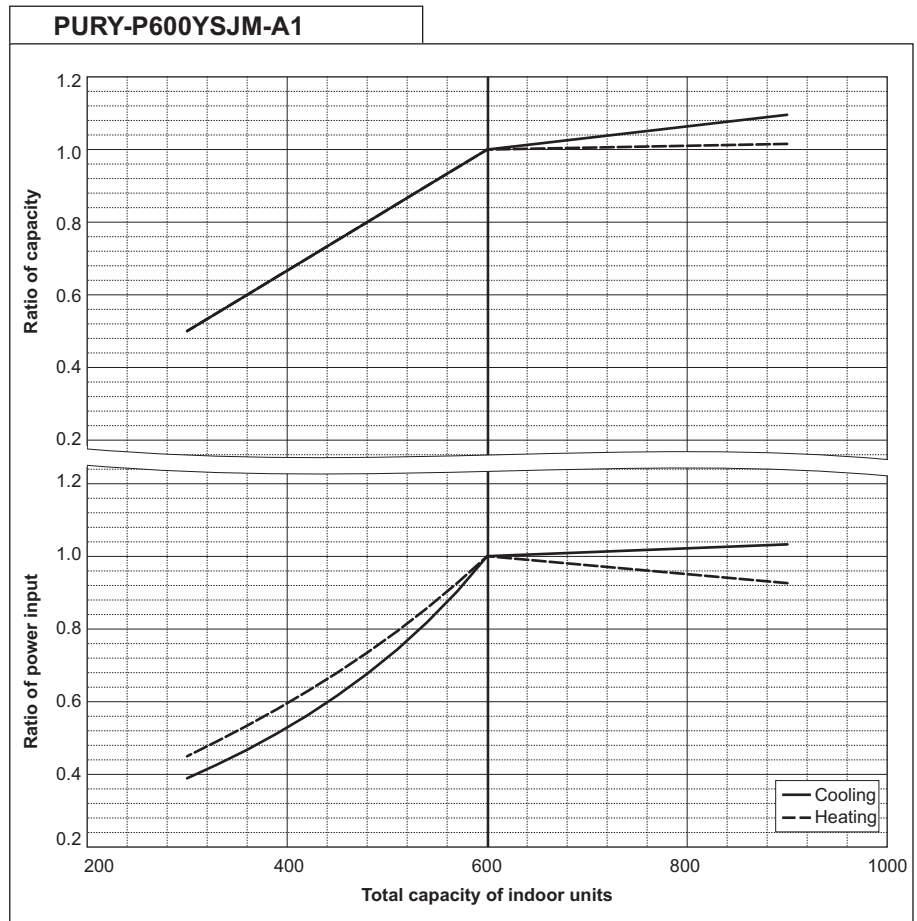
PURY-P600YSJM-A		
Nominal Heating Capacity	kW	76.5
	BTU/h	261,000
Input	kW	19.07



R2

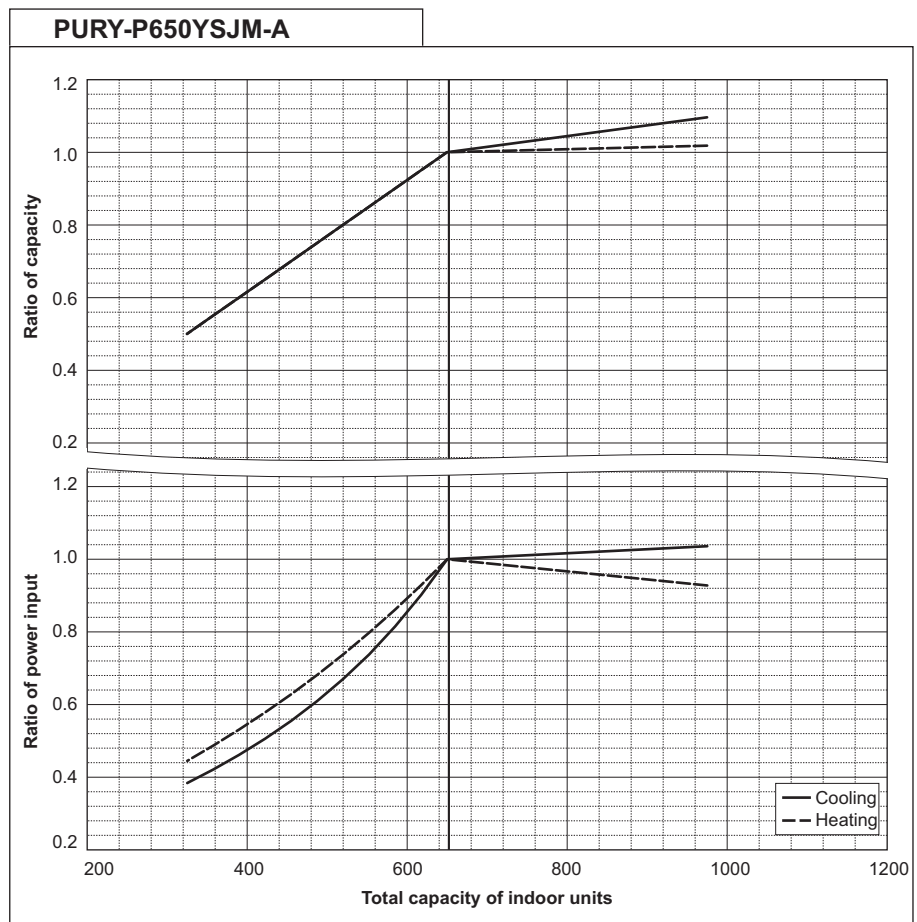
PURY-P600YSJM-A1		
Nominal Cooling Capacity	kW	69.0
	BTU/h	235,400
Input	kW	19.16

PURY-P600YSJM-A1		
Nominal Heating Capacity	kW	76.5
	BTU/h	261,000
Input	kW	18.61



PURY-P650YSJM-A		
Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	21.53

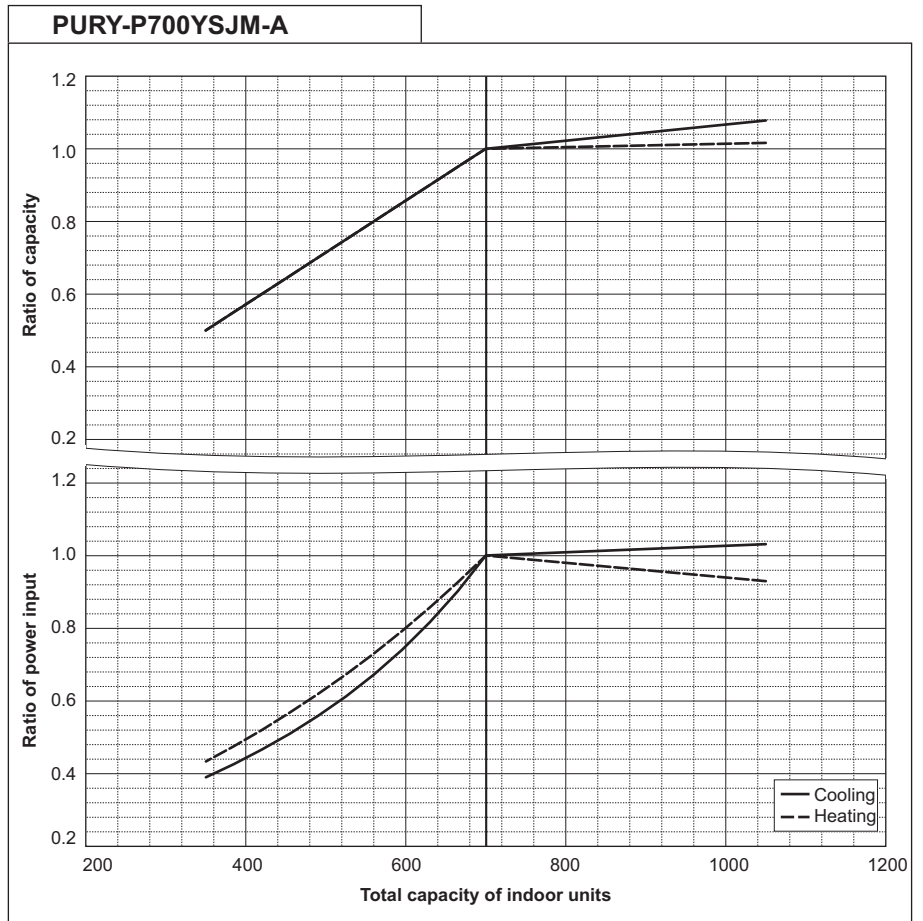
PURY-P650YSJM-A		
Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	20.47



R2

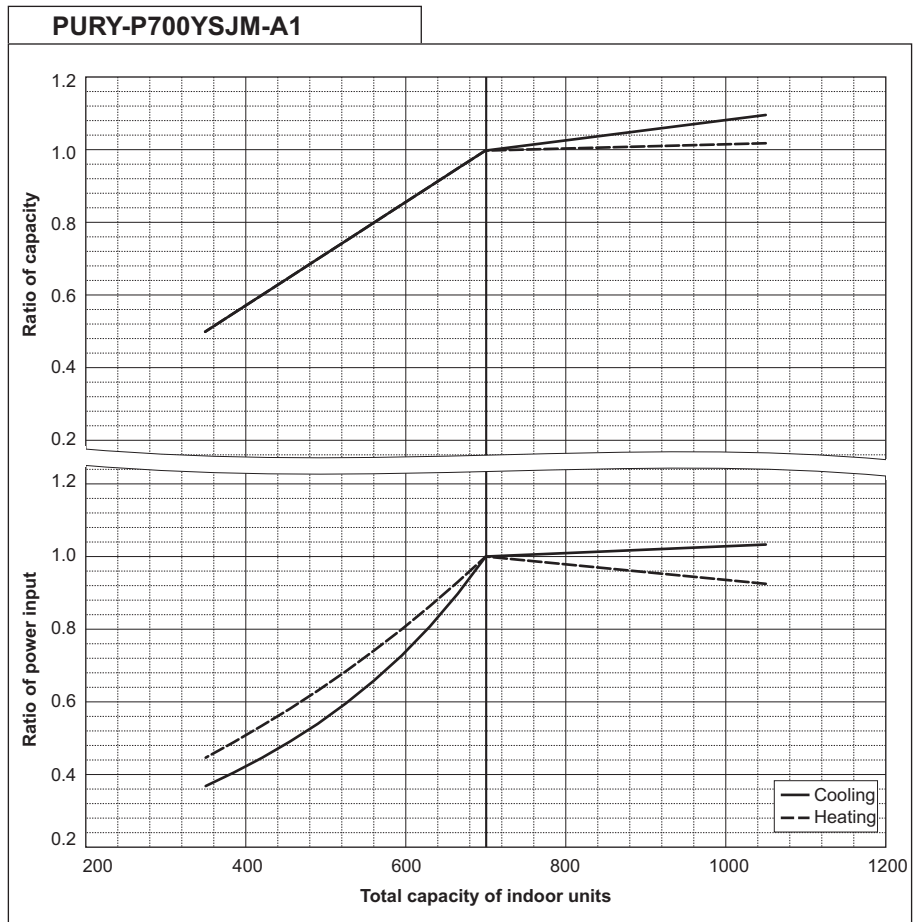
PURY-P700YSJM-A		
Nominal Cooling Capacity	kW	80.0
	BTU/h	273,000
Input	kW	23.95

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



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

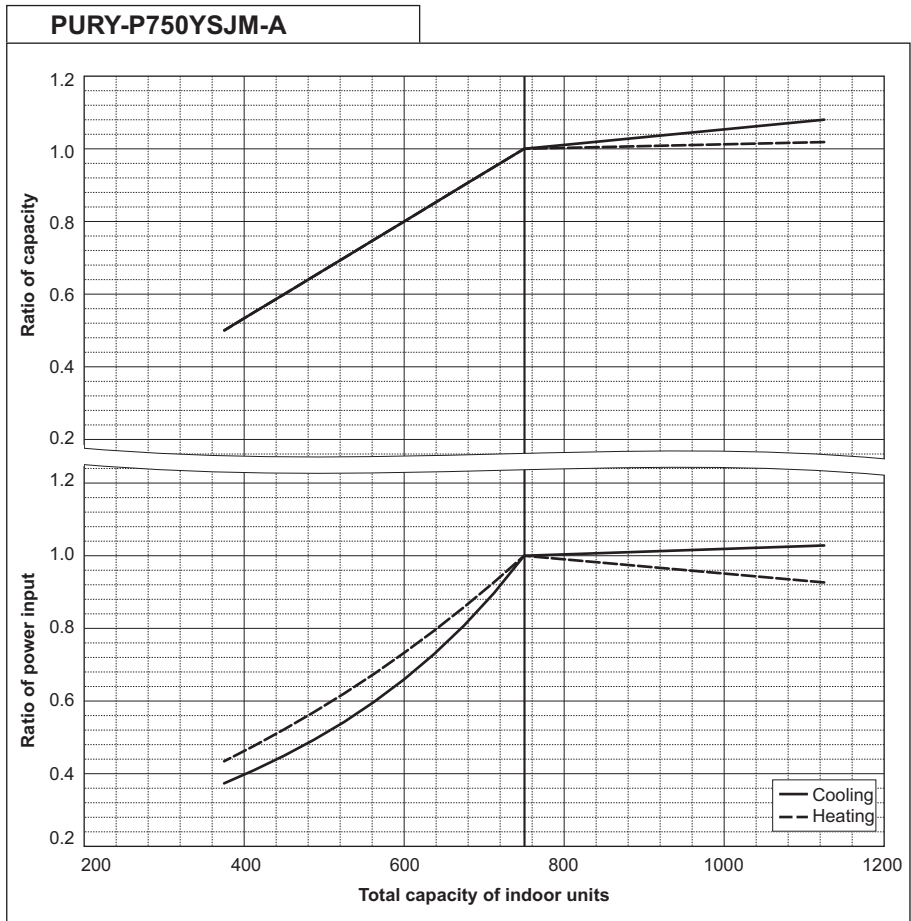
PURY-P700YSJM-A1		
Nominal Heating Capacity	kW	88.0
	BTU/h	300,300
Input	kW	21.78



R2

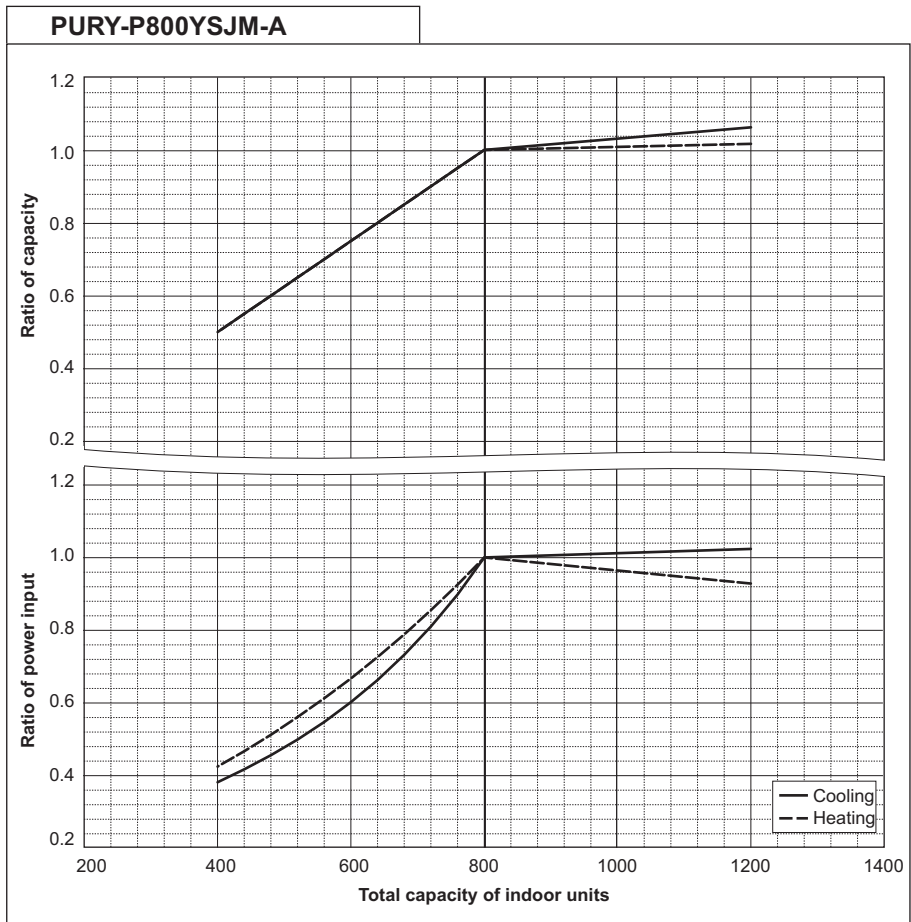
PURY-P750YSJM-A		
Nominal Cooling Capacity	kW	85.0
	BTU/h	290,000
Input	kW	26.47

PURY-P750YSJM-A		
Nominal Heating Capacity	kW	95.0
	BTU/h	324,100
Input	kW	24.05



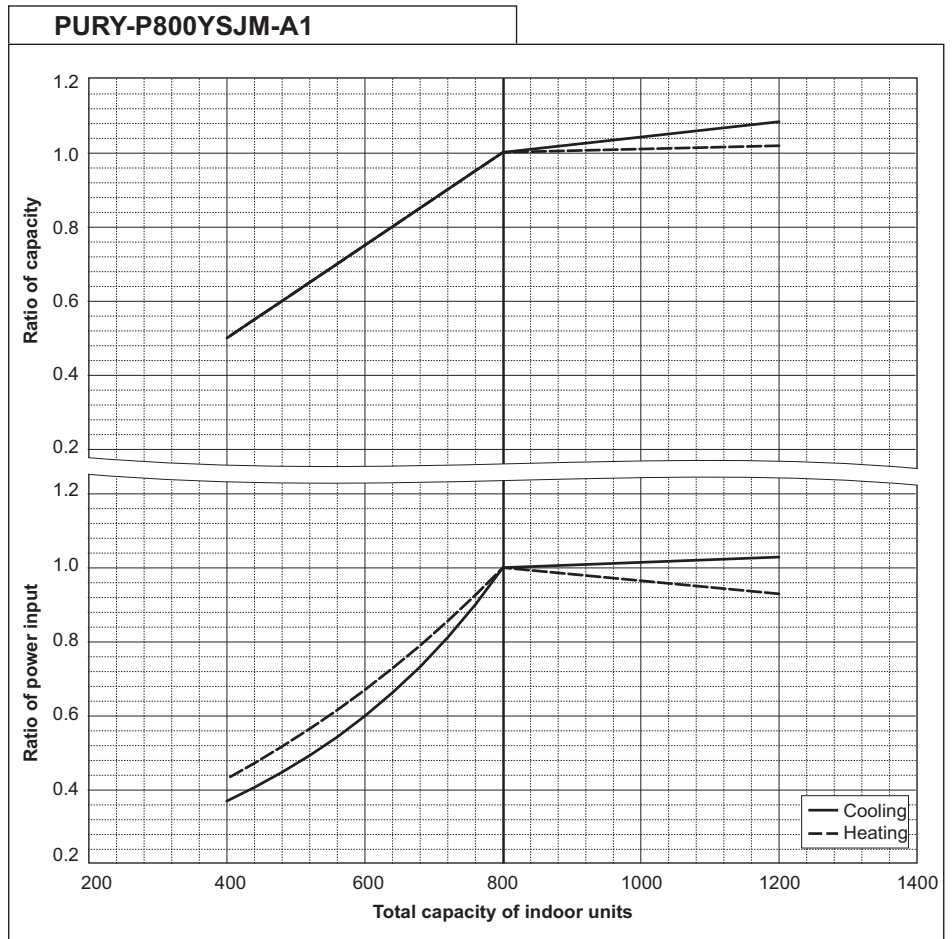
PURY-P800YSJM-A		
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	28.30

PURY-P800YSJM-A		
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	26.04



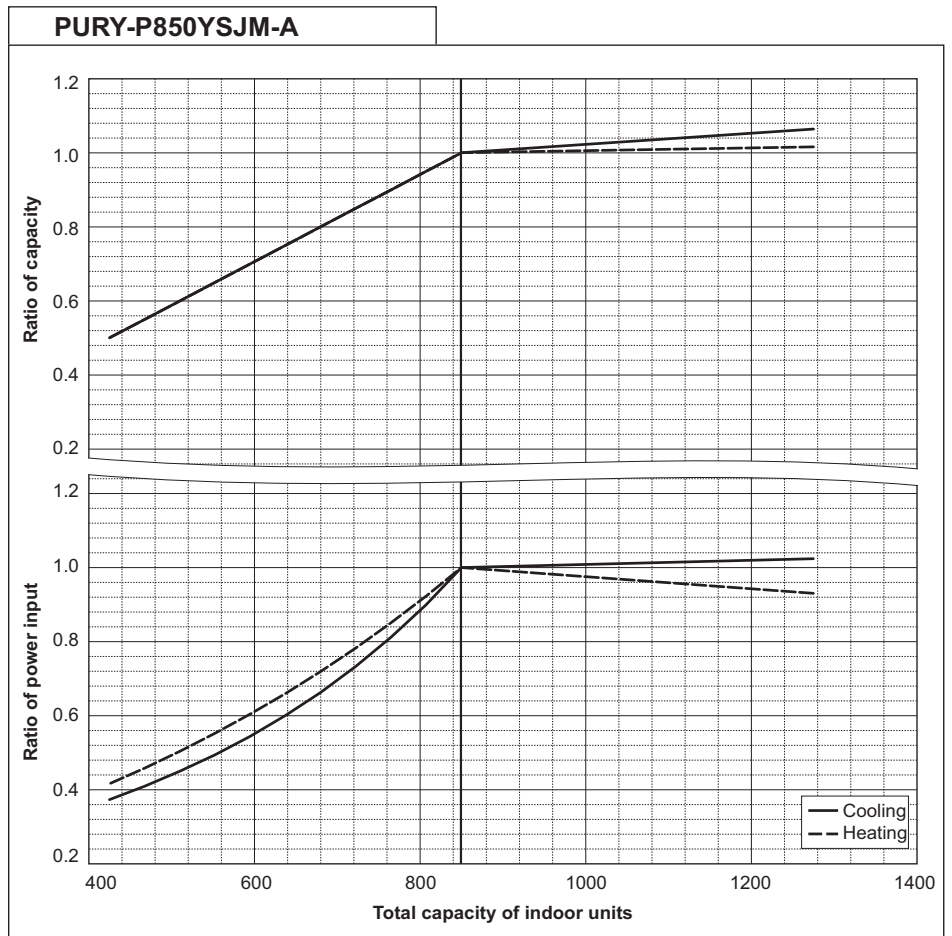
PURY-P800YSJM-A1		
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	26.62

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

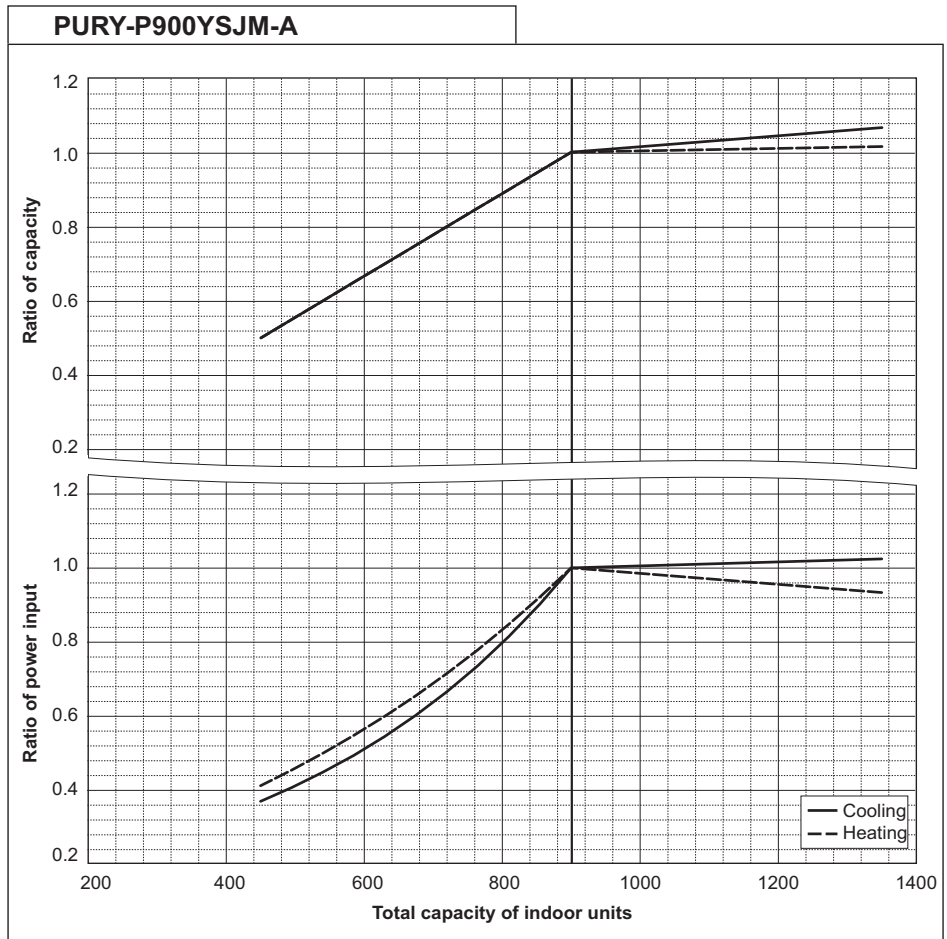


R2

6. CAPACITY TABLES

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

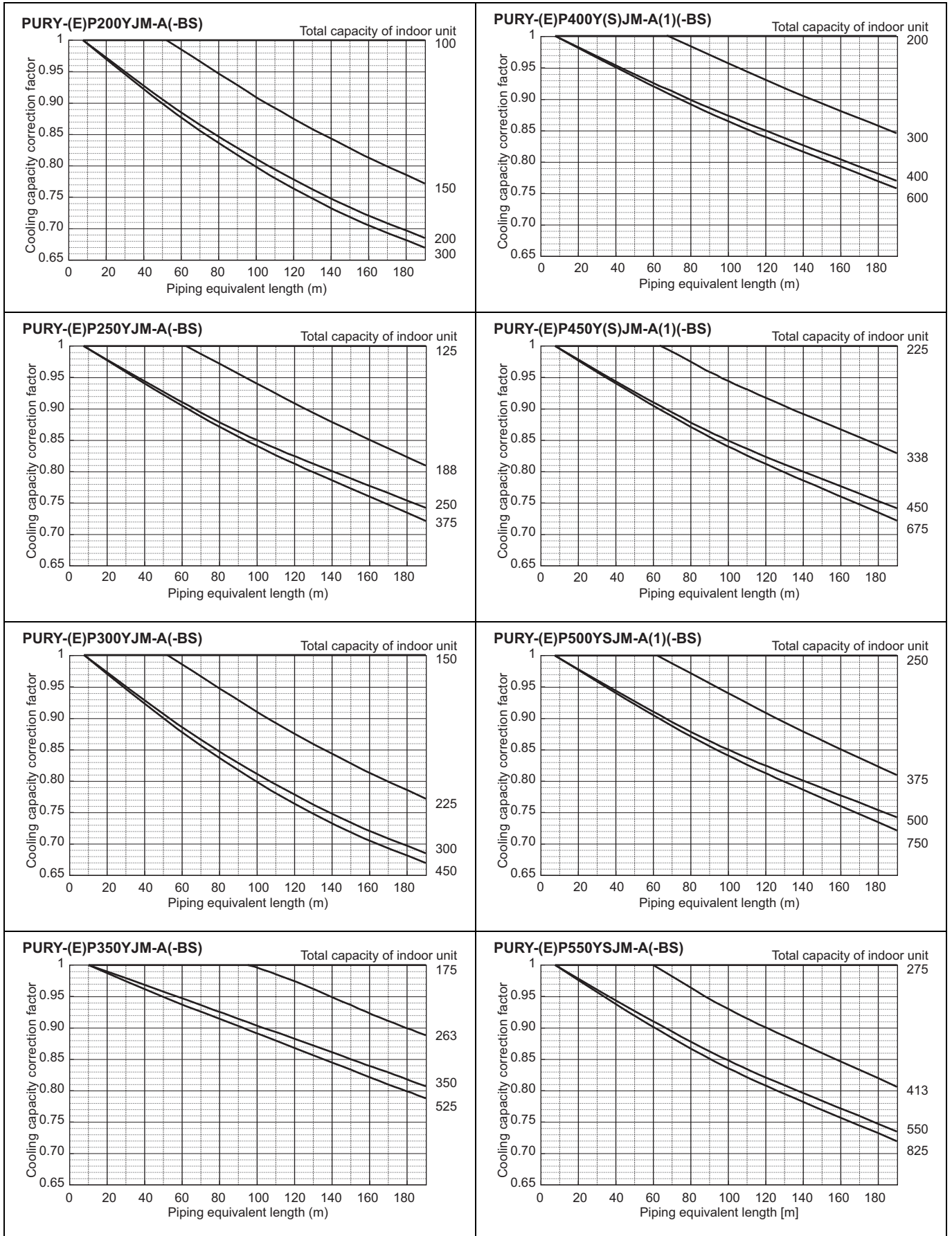


R2

6-3. Correction by refrigerant piping length

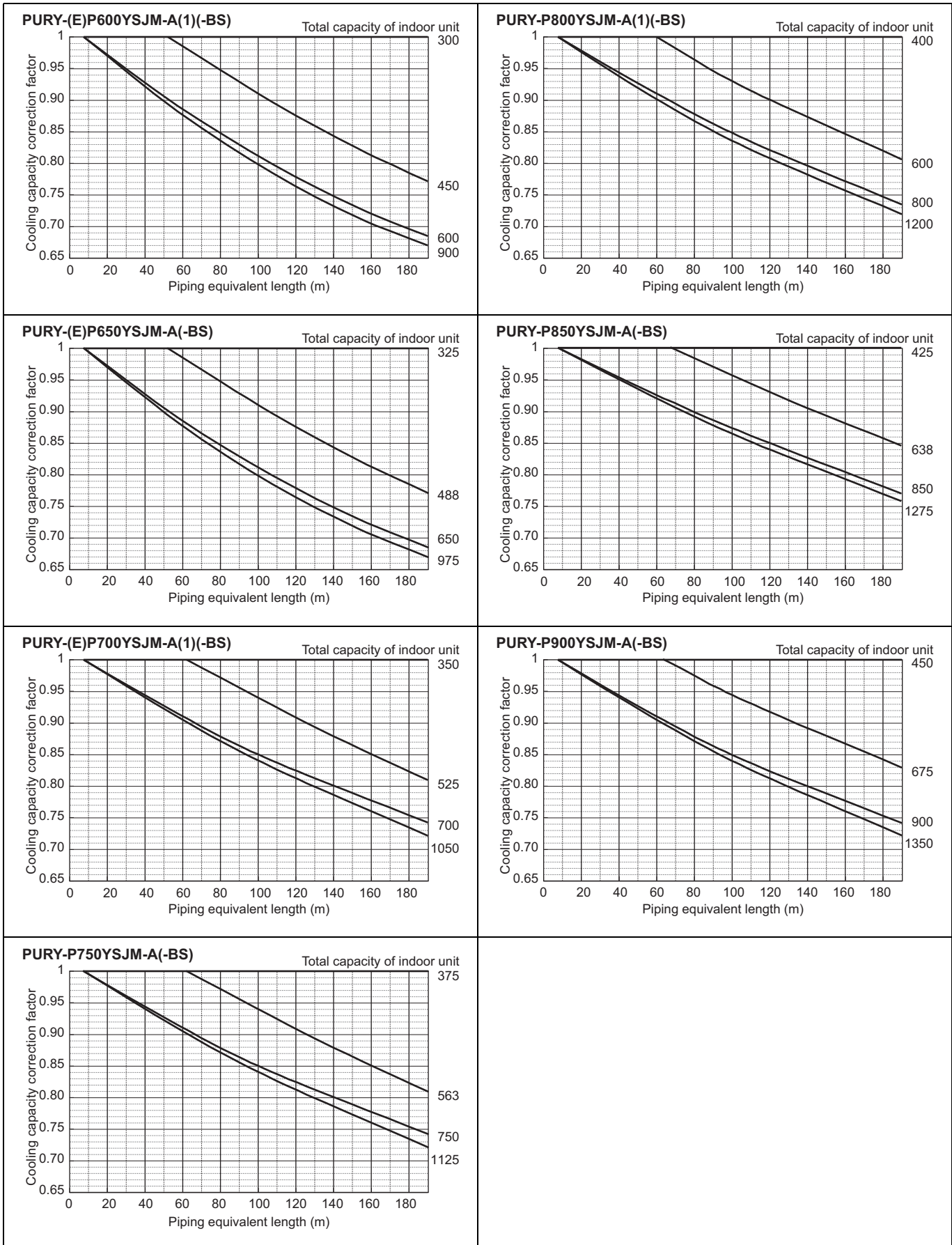
CITY MULTI system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 6-3-1 and 6-3-2, the capacity can be observed.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

6-3-1. Cooling capacity correction

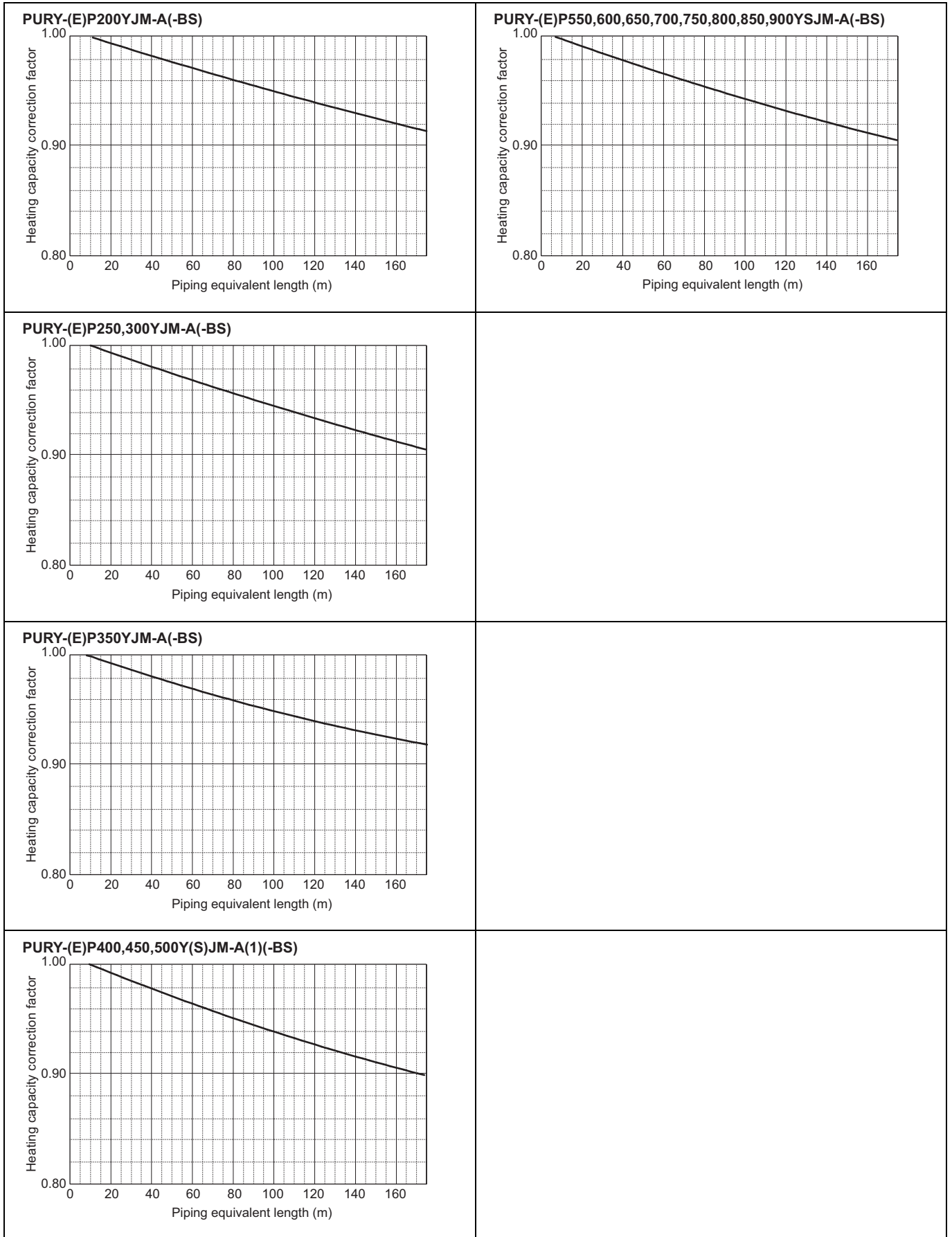


6. CAPACITY TABLES

R2



6-3-2. Heating capacity correction



R2

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 1port 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

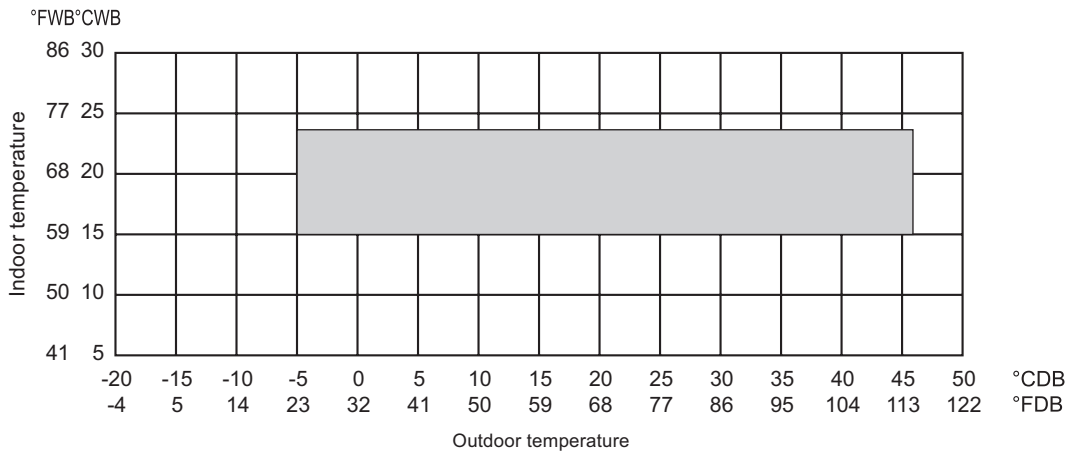
Due to frosting at the outdoor heat exchanger and the automatic defrosting operation, the heating capacity of the outdoor unit should be considered by multiplying the correction factor shown in the table below.

Table of correction factor at frosting and defrosting

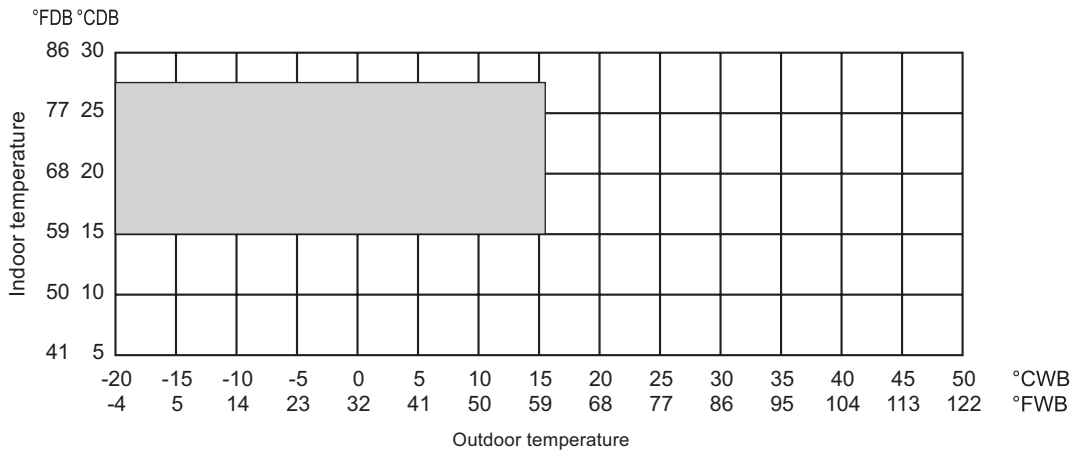
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PURY-(E)P200YJM-A(-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PURY-(E)P250YJM-A(-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PURY-(E)P300YJM-A(-BS)	1.00	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

Piping for CITY MULTI can be easily done with Joints and headers provided by MITSUBISHI ELECTRIC CORP.. There are 3 sets of Joints selectable for piping. Details for applying the Joint sets are referable to System Design 3, or their own Installation Manual.

CMY-Y102S-G2 Ref.: CMY_Y102S_G2_EXD_EUDB_SI
mm

For Gas pipe: **For Liquid pipe:**

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y102L-G2 Ref.: CMY_Y102L_G2_EXD_EUDB_SI
mm

For Gas pipe: **For Liquid pipe:**

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y202-G2 Ref.: CMY_Y202_G2_EXD_EUDB_SI
mm

For Gas pipe: **For Liquid pipe:**

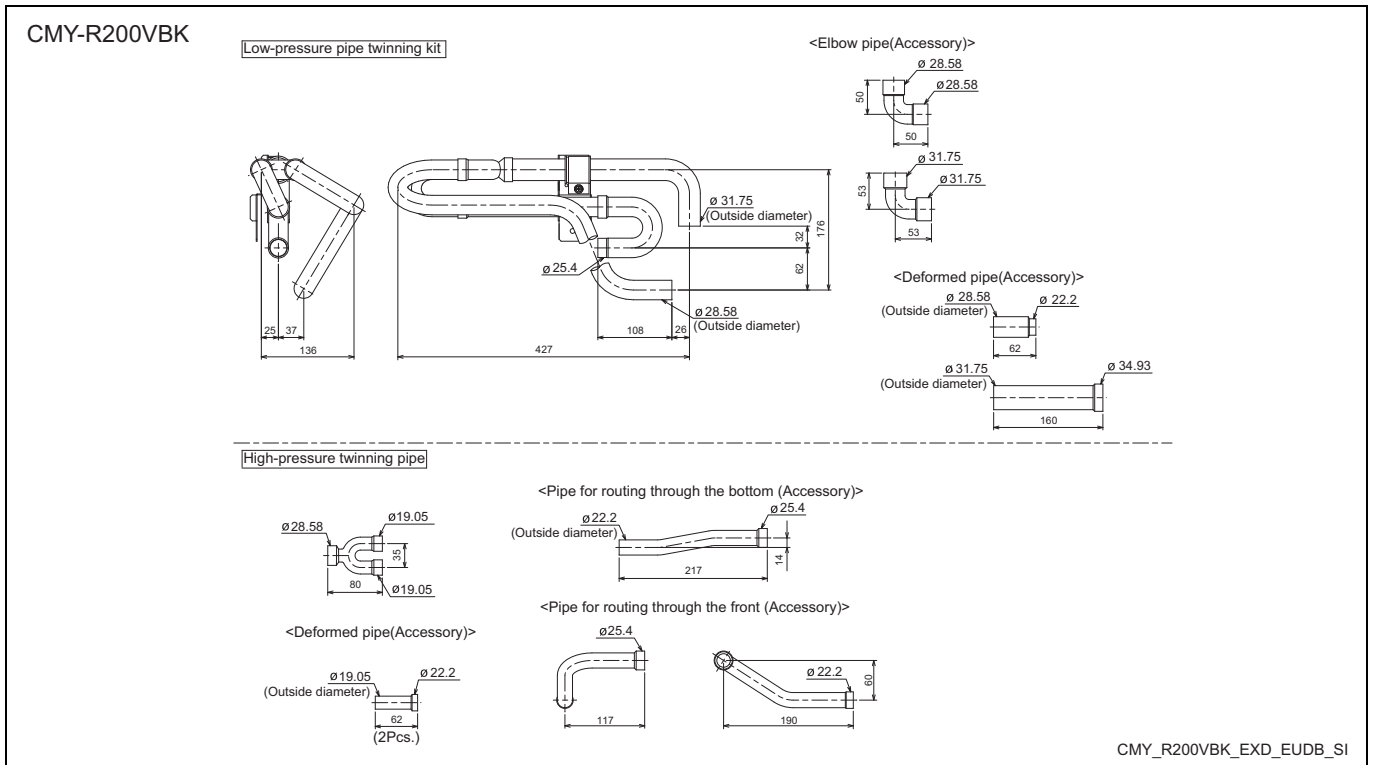
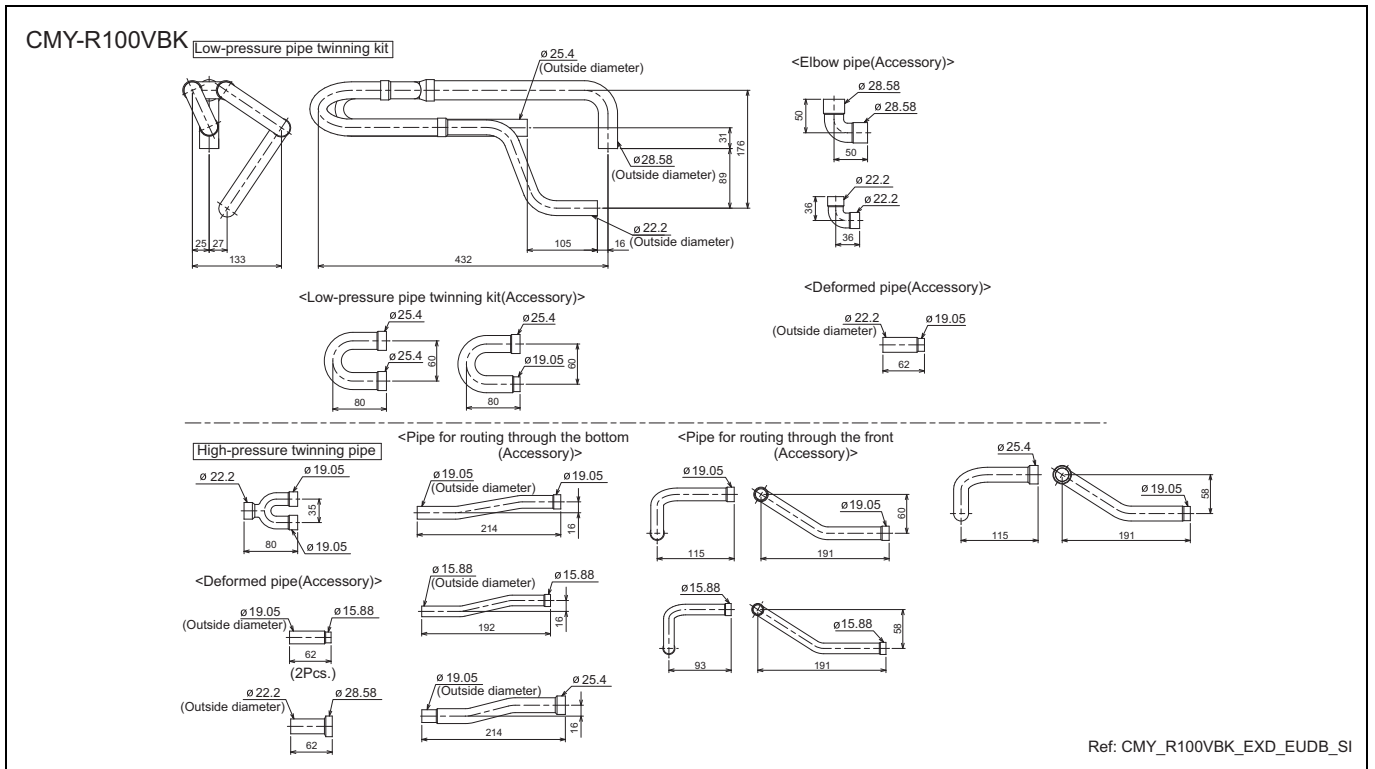
<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

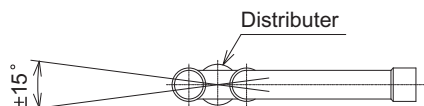
ID: Inner Diameter OD: Outer Diameter

7-2. OUTDOOR TWINNING KIT

For PURY series, following optional Outdoor Twinning Kit is needed to use to combine to refrigerant flows of its PURY series. Details of selecting the proper kit should be referred to the System Design Section.



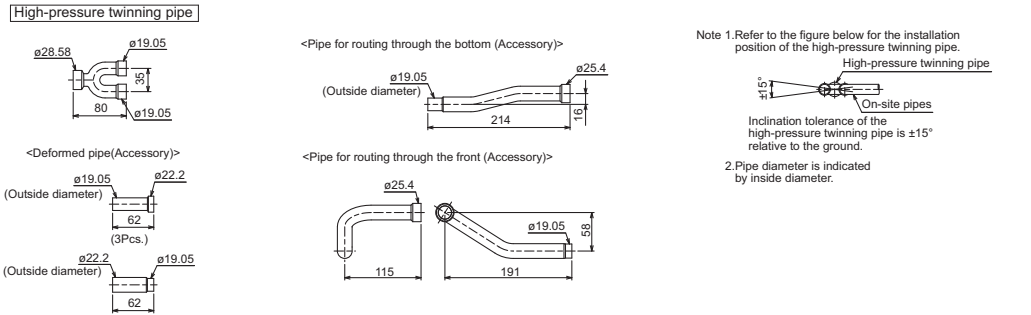
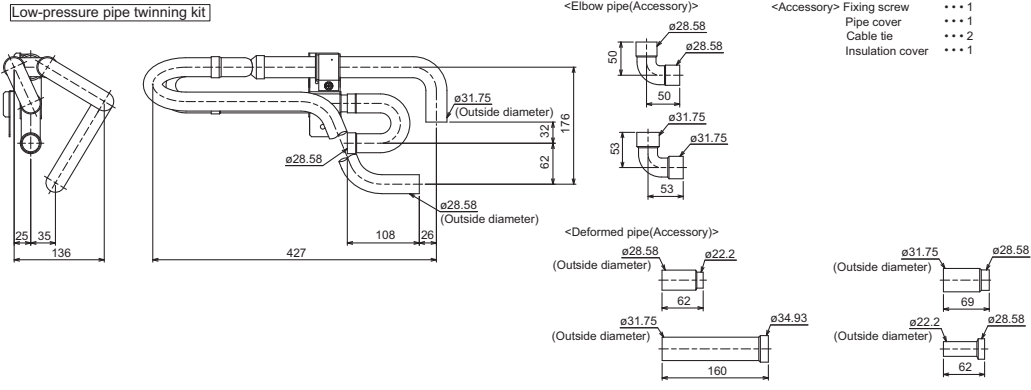
Note 1. Reference the attitude angle of the branch pipe below the fig.



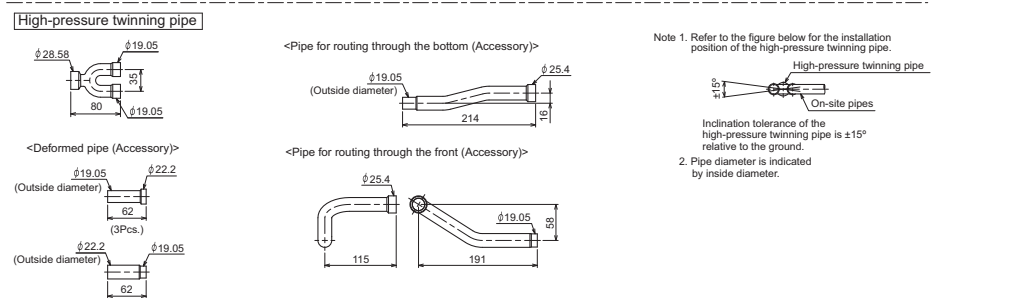
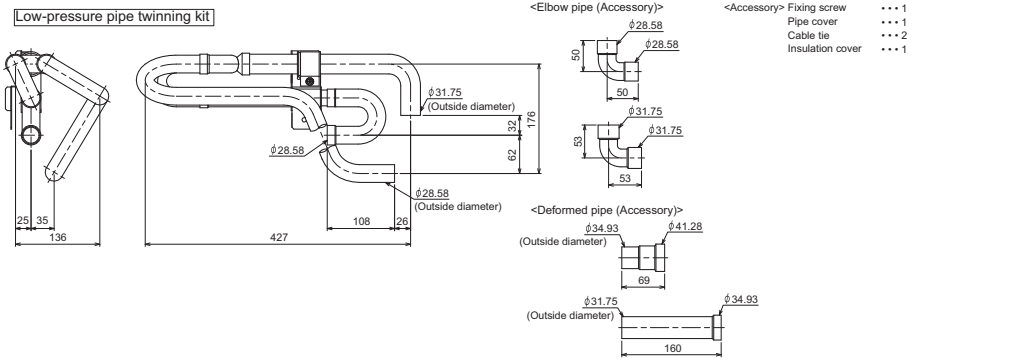
The angle of the branch pipe for high pressure is within $\pm 15^\circ$ against the horizontal plane.

2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.

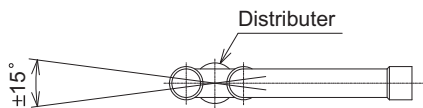
CMY-R100XLVBK



CMY-R200XLVBK



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:

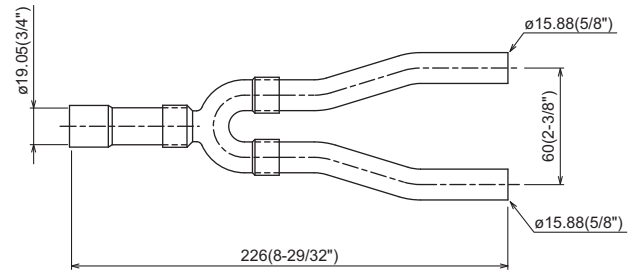
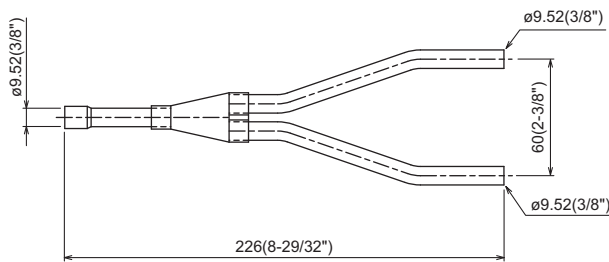
① Instruction	② Joint pipe(Small)	③ Joint pipe(Large)	④ Cover 1	⑤ Cover 2	⑥ Cover 3	⑦ Band	⑧ Reducer 1	⑨ Reducer 2
This sheet 1pc	1pc	1pc	2pcs	1pc for gas side	1pc for liquid side	8pcs	OD19.05-ID22.2 1pc	OD19.05-ID15.88 1pc

Please prepare the following items in the field. ①Tape for insulation material sealing ②Extension 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-Y102S-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.

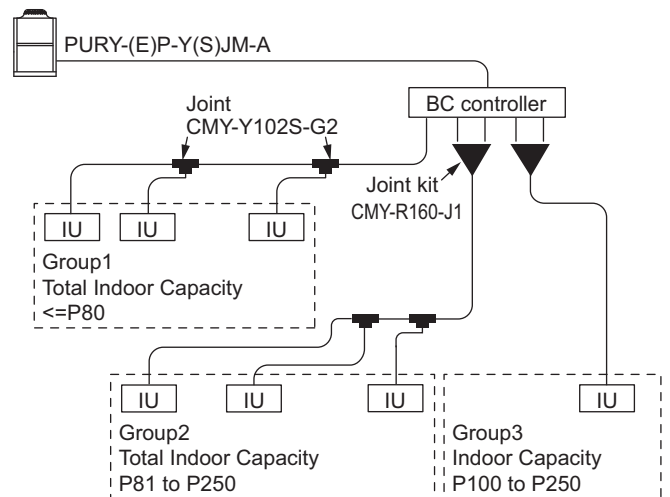


Fig.1. CMY-R160-J1 applying scheme

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.

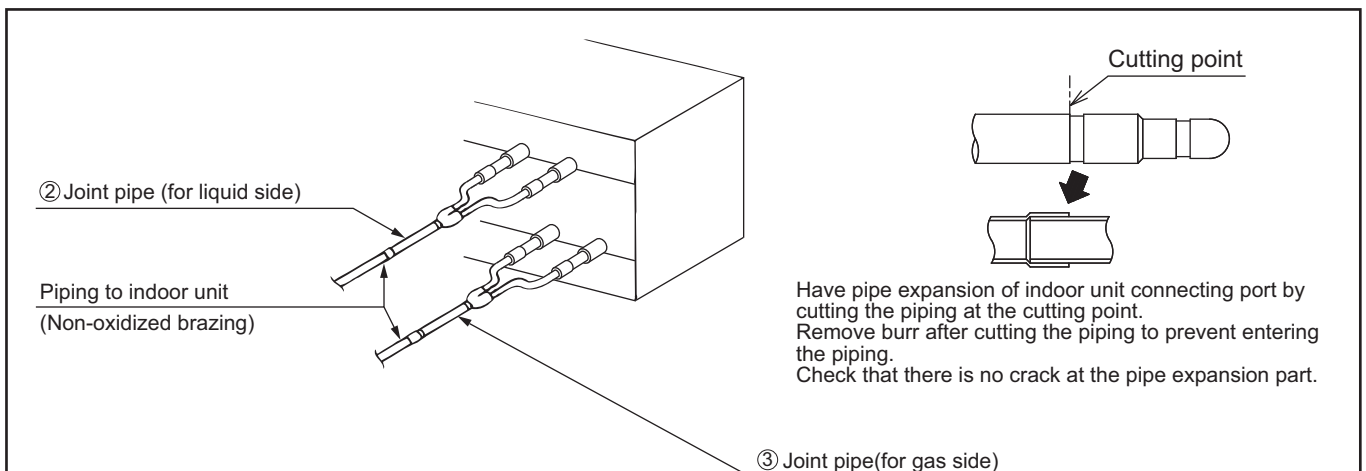


Fig.2. Connecting CMY-R160-J1

Ref.: WT05840X01_03

Ref: CMY_R160_J_DOC_EUDB

