OUTDOOR UNITS

1. SPECIFICATIONS

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz	3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity	*1	kW	22.4	28.0
(Nominal)	*1	kcal / h	19,300	24,100
	*1	BTU / h	76,400	95,500
	Power input	kW	5.09	6.73
	Current input	A	8.5-8.1-7.8	11.3-10.7-10.4
	COP	kW / kW	4.40	4.16
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)
Heating capacity	*2	kW	25.0	31.5
(Nominal)	*2	kcal / h	21,500	27,100
	*2	BTU / h	85,300	107,500
	Power input	kW	5.54	7.15
	Current input	A	9.3-8.8-8.5	12.0-11.4-11.0
	COP	kW / kW	4.51	4.40
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~17	P15~P250 / 1~21
Sound pressure level (measured in anechoic room)		dB <A>	57	60
Power pressure level (measured in anechoic room)		dB <A>	77	80
Refrigerant	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed (12.7(1/2) Brazed,total length >= 90m)
piping diameter	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	170	210
		L/s	2,833	3,500
		cfm	6,003	7,415
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	0.045
	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(1,220 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(48-1/16 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 8.0kg (18lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit	LEV and HIC circuit
Net weight		kg (lbs)	200(441)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		WKD94G075	WKD94G076
	Wiring		KE94C449	KE94C449
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Refrigerant conn. pipe	Refrigerant conn. pipe
Optional parts			Joint: CMY-Y102S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102S/L-G2 Header: CMY-Y104/108/1010-G
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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.

Model			PUHY-EP300YJM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	33.5	
	*1	kcal / h	28,800	
	*1	BTU / h	114,300	
	Power input	kW	8.03	
	Current input	A	13.5-12.8-12.4	
	COP	kW / kW	4.17	
Temp. range of cooling	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	
	*2	kcal / h	32,300	
	*2	BTU / h	128,000	
	Power input	kW	8.37	
	Current input	A	14.1-13.4-12.9	
	COP	kW / kW	4.48	
Temp. range of heating	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		50~130 % of outdoor unit capacity	
	Model / Quantity		P15~P250 / 1~26	
Sound pressure level (measured in anechoic room)		dB <A>	61	
Power pressure level (measured in anechoic room)		dB <A>	81	
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Brazed (12.7(1/2) Brazed,total length >= 40m)	
	Gas pipe	mm (in.)	22.2(7/8) Brazed	
FAN	Type x Quantity		Propeller fan x 2	
	Air flow rate	m^3 / min	370	
		L/s	6,167	
		cfm	13,065	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.46 x 2	
*3	External static press.		0 Pa (0 mmH_2O)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	7.7	
	Case heater	kW	0.045	
	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		LEV and HIC circuit	
Net weight		kg (lbs)	290(640)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G077	
	Wiring		KE94C450	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102S/L-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP400YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity	*1	kW	45.0
(Nominal)	*1	kcal / h	38,700
	*1	BTU / h	153,500
	Power input	kW	10.34
	Current input	A	17.4-16.5-15.9
	COP	kW / kW	4.35
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity	*2	kW	50.0
(Nominal)	*2	kcal / h	43,000
	*2	BTU / h	170,600
	Power input	kW	11.41
	Current input	A	19.2-18.2-17.6
	COP	kW / kW	4.38
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~35
Sound pressure level (measured in anechoic room)		dB <A>	60
Power pressure level (measured in anechoic room)		dB <A>	80
Refrigerant	Liquid pipe	mm (in.)	12.7(1/2) Brazed
piping diameter	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP200YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	170	170
		L/s	2,833	2,833
		cfm	6,003	6,003
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	0.035
	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 8.0kg (18lbs)	R410A x 8.0kg (18lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	200(441)	200(441)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed
distributor	Gas pipe	mm (in.)	19.05(3/4) Brazed	19.05(3/4) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G078	
	Wiring		KE94C449	KE94C449
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP450YSJM-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	11.87
	Current input	A	20.0-19.0-18.3
	COP	kW / kW	4.21
Temp. range of cooling	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	12.90
	Current input	A	21.7-20.6-19.9
	COP	kW / kW	4.34
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~39
Sound pressure level (measured in anechoic room)		dB <A>	62
Power pressure level (measured in anechoic room)		dB <A>	82
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	170	210
		L/s	2,833	3,500
		cfm	6,003	7,415
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	0.045
	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 8.0kg (18lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	200(441)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed
	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G079	
	Wiring		KE94C449	KE94C449
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP500YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity	*1	kW	56.0
(Nominal)	*1	kcal / h	48,200
	*1	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	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity	*2	kW	63.0
(Nominal)	*2	kcal / h	54,200
	*2	BTU / h	215,000
	Power input	kW	14.28
	Current input	A	24.1-22.9-22.0
	COP	kW / kW	4.41
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~43
Sound pressure level (measured in anechoic room)		dB <A>	62.5
Power pressure level (measured in anechoic room)		dB <A>	82.5
Refrigerant	Liquid pipe	mm (in.)	15.88(5/8) Brazed
piping diameter	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Air flow rate	m^3 / min	170	370
		L/s	2,833	6,167
		cfm	6,003	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	7.7
	Case heater	kW	0.035	0.045
	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 1,750 x 760
		in.	67-3/8(65 without legs) x 36-1/4 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 8.0kg (18lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	200(441)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	12.7(1/2) Brazed
distributor	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G081	
	Wiring		KE94C449	KE94C450
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP500YSJM-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	13.65
	Current input	A	23.0-21.8-21.0
	COP	kW / kW	4.10
Temp. range of cooling	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	14.54
	Current input	A	24.5-23.3-22.4
	COP	kW / kW	4.33
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~43
Sound pressure level (measured in anechoic room)		dB <A>	63
Power pressure level (measured in anechoic room)		dB <A>	83
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	210	210
		L/s	3,500	3,500
		cfm	7,415	7,415
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	0.045	0.045
	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 11.5kg (26lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	250(552)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed
	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G080	
	Wiring		KE94C449	KE94C449
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP550YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	63.0
(Nominal) *1		kcal / h	54,200
*1		BTU / h	215,000
	Power input	kW	15.36
	Current input	A	25.9-24.6-23.7
	COP	kW / kW	4.10
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity *2		kW	69.0
(Nominal) *2		kcal / h	59,300
*2		BTU / h	235,400
	Power input	kW	15.78
	Current input	A	26.6-25.3-24.3
	COP	kW / kW	4.37
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~47
Sound pressure level (measured in anechoic room)		dB <A>	63.5
Power pressure level (measured in anechoic room)		dB <A>	83.5
Refrigerant	Liquid pipe	mm (in.)	15.88(5/8) Brazed
piping diameter	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Air flow rate	m^3 / min	210	370
		L/s	3,500	6,167
		cfm	7,415	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	7.7
	Case heater	kW	0.045	0.045
	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 11.5kg (26lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	250(552)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	12.7(1/2) Brazed
distributor	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G082	
	Wiring		KE94C449	KE94C450
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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.

Model			PUHY-EP600YSJM-A(-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	kW	16.82
	Current input	A	28.3-26.9-26.0
	COP	kW / kW	4.10
Temp. range of cooling	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
	*2	kcal / h	65,800
	*2	BTU / h	261,000
	Power input	kW	17.30
	Current input	A	29.2-27.7-26.7
	COP	kW / kW	4.42
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	64
Power pressure level (measured in anechoic room)		dB <A>	84
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed

Set Model

Model			PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Air flow rate	m^3 / min	370	370
		L/s	6,167	6,167
		cfm	13,065	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	7.7	7.7
	Case heater	kW	0.045	0.045
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,750 x 760	1,710(1,650 without legs) x 1,750 x 760
		in.	67-3/8(65 without legs) x 68-15/16 x 29-15/16	67-3/8(65 without legs) x 68-15/16 x 29-15/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit	
Net weight		kg (lbs)	290(640)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7(1/2) Brazed	12.7(1/2) Brazed
	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKD94G083	
	Wiring		KE94C450	KE94C450
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G	
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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

Y(HIGH COP)

Model			PUHY-EP650YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	73.0
(Nominal) *1		kcal / h	62,800
*1		BTU / h	249,100
	Power input	kW	17.46
	Current input	A	29.4-28.0-26.9
	COP	kW / kW	4.18
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity *2		kW	81.5
(Nominal) *2		kcal / h	70,100
*2		BTU / h	278,100
	Power input	kW	18.56
	Current input	A	31.3-29.7-28.6
	COP	kW / kW	4.39
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	63
Power pressure level (measured in anechoic room)		dB <A>	83
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	170	170	210
		L/s	2,833	2,833	3,500
		cfm	6,003	6,003	7,415
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	5.4	6.8
	Case heater	kW	0.035	0.035	0.045
	Lubricant		MEL32	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>	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	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 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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	200(441)	200(441)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed
distributor	Gas pipe	mm (in.)	19.05(3/4) Brazed	19.05(3/4) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G084		
	Wiring		KE94C449	KE94C449	KE94C449
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP700YSJM-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	19.13
	Current input	A	32.2-30.6-29.5
	COP	kW / kW	4.18
Temp. range of cooling	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	20.00
	Current input	A	33.7-32.0-30.9
	COP	kW / kW	4.40
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
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	Liquid pipe	mm (in.)	19.05(3/4) Brazed
	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m^3 / min	170	170	370
		L/s	2,833	2,833	6,167
		cfm	6,003	6,003	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	5.4	7.7
	Case heater	kW	0.035	0.035	0.045
	Lubricant		MEL32	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>	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	1,710(1,650 without legs) x 1,750 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	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	200(441)	200(441)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	12.7(1/2) Brazed
	Gas pipe	mm (in.)	19.05(3/4) Brazed	19.05(3/4) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G085		
	Wiring		KE94C449	KE94C449	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP700YSJM-A1(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity	*1	kW	80.0
(Nominal)	*1	kcal / h	68,800
	*1	BTU / h	273,000
	Power input	kW	19.41
	Current input	A	32.7-31.1-30.0
	COP	kW / kW	4.12
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity	*2	kW	88.0
(Nominal)	*2	kcal / h	75,700
	*2	BTU / h	300,300
	Power input	kW	20.32
	Current input	A	34.3-32.5-31.4
	COP	kW / kW	4.33
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	64
Power pressure level (measured in anechoic room)		dB <A>	84
Refrigerant	Liquid pipe	mm (in.)	19.05(3/4) Brazed
piping diameter	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	170	210	210
		L/s	2,833	3,500	3,500
		cfm	6,003	7,415	7,415
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	6.8	6.8
	Case heater	kW	0.035	0.045	0.045
	Lubricant		MEL32	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>	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	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	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	200(441)	250(552)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed
distributor	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2 (7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G086		
	Wiring		KE94C449	KE94C449	KE94C449
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP750YSJM-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	20.43
	Current input	A	34.4-32.7-31.5
	COP	kW / kW	4.16
Temp. range of cooling	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	95.0
	*2	kcal / h	81,700
	*2	BTU / h	324,100
	Power input	kW	21.93
	Current input	A	37.0-35.1-33.8
	COP	kW / kW	4.33
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
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	Liquid pipe	mm (in.)	19.05(3/4) Brazed
	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m^3 / min	170	210	370
		L/s	2,833	3,500	6,167
		cfm	6,003	7,415	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	6.8	7.7
	Case heater	kW	0.035	0.045	0.045
	Lubricant		MEL32	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>	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	1,710(1,650 without legs) x 1,750 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	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	200(441)	250(552)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	12.7(1/2) Brazed
	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G087		
	Wiring		KE94C449	KE94C449	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP750YSJM-A1(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity	*1	kW	85.0
(Nominal)	*1	kcal / h	73,100
	*1	BTU / h	290,000
	Power input	kW	20.93
	Current input	A	35.3-33.5-32.3
	COP	kW / kW	4.06
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity	*2	kW	95.0
(Nominal)	*2	kcal / h	81,700
	*2	BTU / h	324,100
	Power input	kW	21.78
	Current input	A	36.7-34.9-33.6
	COP	kW / kW	4.36
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	65
Power pressure level (measured in anechoic room)		dB <A>	85
Refrigerant	Liquid pipe	mm (in.)	19.05(3/4) Brazed
piping diameter	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3 / min	210	210	210
		L/s	3,500	3,500	3,500
		cfm	7,415	7,415	7,415
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	6.8	6.8	6.8
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	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>	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	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	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	250(552)	250(552)	250(552)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed
distributor	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G088		
	Wiring		KE94C449	KE94C449	KE94C449
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP800YSJM-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	21.63
	Current input	A	36.5-34.6-33.4
	COP	kW / kW	4.16
Temp. range of cooling	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	22.77
	Current input	A	38.4-36.5-35.1
	COP	kW / kW	4.39
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	65
Power pressure level (measured in anechoic room)		dB <A>	85
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05(3/4) Brazed
	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP200YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m^3 / min	170	370	370
		L/s	2,833	6,167	6,167
		cfm	6,003	13,065	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 2	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	7.7	7.7
	Case heater	kW	0.035	0.045	0.045
	Lubricant		MEL32	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>	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 1,750 x 760	1,710(1,650 without legs) x 1,750 x 760
		in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	67-3/8(65 without legs) x 68-15/16 x 29-15/16	67-3/8(65 without legs) x 68-15/16 x 29-15/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	200(441)	290(640)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	12.7(1/2) Brazed	12.7(1/2) Brazed
	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G089		
	Wiring		KE94C449	KE94C450	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP800YSJM-A1(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	90.0
(Nominal) *1		kcal / h	77,400
*1		BTU / h	307,100
	Power input	kW	22.16
	Current input	A	37.4-35.5-34.2
	COP	kW / kW	4.06
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity *2		kW	100.0
(Nominal) *2		kcal / h	86,000
*2		BTU / h	341,200
	Power input	kW	22.98
	Current input	A	38.7-36.8-35.5
	COP	kW / kW	4.35
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	65
Power pressure level (measured in anechoic room)		dB <A>	85
Refrigerant	Liquid pipe	mm (in.)	19.05(3/4) Brazed
piping diameter	Gas pipe	mm (in.)	34.93(1-3/8) Brazed

Set Model

Model			PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m^3 / min	210	210	370
		L/s	3,500	3,500	6,167
		cfm	7,415	7,415	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	6.8	6.8	7.7
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	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>	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	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 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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	250(552)	250(552)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	12.7(1/2) Brazed
distributor	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G090		
	Wiring		KE94C449	KE94C449	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP850YSJM-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	kW	23.58
	Current input	A	39.8-37.8-36.4
	COP	kW / kW	4.07
Temp. range of cooling	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	kW	24.65
	Current input	A	41.6-39.5-38.1
	COP	kW / kW	4.38
Temp. range of heating	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		50~130 % of outdoor unit capacity
	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	65.5
Power pressure level (measured in anechoic room)		dB <A>	85.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05(3/4) Brazed
	Gas pipe	mm (in.)	41.28(1-5/8) Brazed

Set Model

Model			PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m^3 / min	210	370	370
		L/s	3,500	6,167	6,167
		cfm	7,415	13,065	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 2	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	6.8	7.7	7.7
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	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>	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	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	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.5kg (26lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	250(552)	290(640)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed	12.7(1/2) Brazed	12.7(1/2) Brazed
	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G091		
	Wiring		KE94C449	KE94C450	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

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.)
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.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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			PUHY-EP900YSJM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	101.0
(Nominal) *1		kcal / h	86,900
*1		BTU / h	344,600
	Power input	kW	24.81
	Current input	A	41.8-39.7-38.3
	COP	kW / kW	4.07
Temp. range of	Indoor	W.B.	15.0~24.0°C(59~75°F)
cooling	Outdoor	D.B.	-5.0~46.0°C(23~115°F)
Heating capacity *2		kW	113.0
(Nominal) *2		kcal / h	97,200
*2		BTU / h	385,600
	Power input	kW	25.50
	Current input	A	43.0-40.8-39.4
	COP	kW / kW	4.43
Temp. range of	Indoor	D.B.	15.0~27.0°C(59~81°F)
heating	Outdoor	W.B.	-20.0~15.5°C(-4~60°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P250 / 1~50
Sound pressure level (measured in anechoic room)		dB <A>	66
Power pressure level (measured in anechoic room)		dB <A>	86
Refrigerant	Liquid pipe	mm (in.)	19.05(3/4) Brazed
piping diameter	Gas pipe	mm (in.)	41.28(1-5/8) Brazed

Set Model

Model			PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m^3 / min	370	370	370
		L/s	6,167	6,167	6,167
		cfm	13,065	13,065	13,065
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2
*3	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	7.7	7.7	7.7
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	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>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD		mm	1,710(1,650 without legs) x 1,750 x 760	1,710(1,650 without legs) x 1,750 x 760	1,710(1,650 without legs) x 1,750 x 760
		in.	67-3/8(65 without legs) x 68-15/16 x 29-15/16	67-3/8(65 without legs) x 68-15/16 x 29-15/16	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)	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	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	290(640)	290(640)	290(640)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	12.7(1/2) Brazed	12.7(1/2) Brazed	12.7(1/2) Brazed
distributor	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKD94G092		
	Wiring		KE94C450	KE94C450	KE94C450
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		
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 :

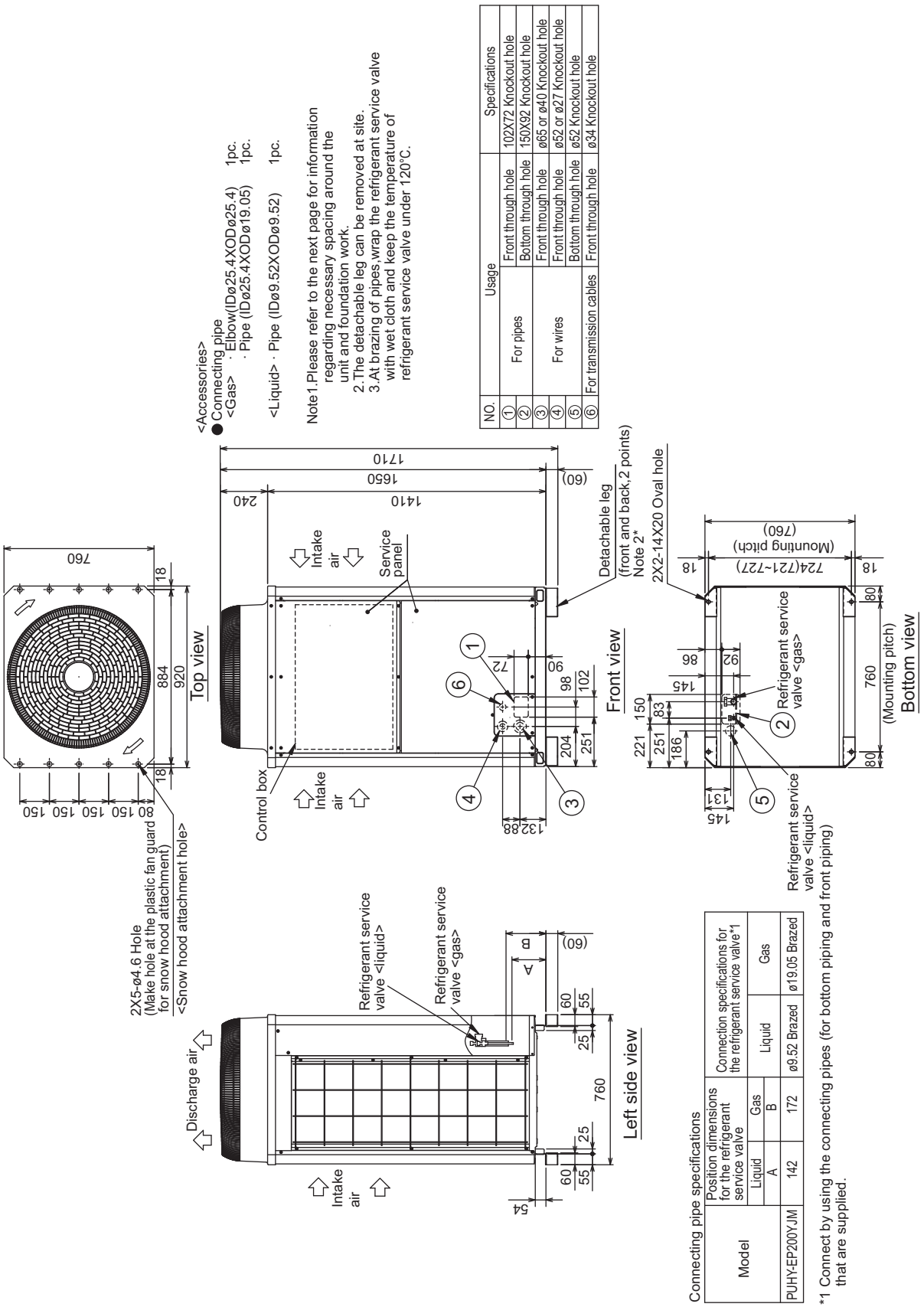
1.Nominal cooling conditions(subject to JIS B8615-1)
Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Outdoor:35°CDB(95°FDB)
Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)
2.Nominal heating conditions(subject to JIS B8615-1)
Indoor:20°CDB(68°FDB), Outdoor:7°CDB/6°CWB(45°FDB/43°FWB)
Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)
3.External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).

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.

PUHY-EP200YJM-A(-BS)

Unit : mm



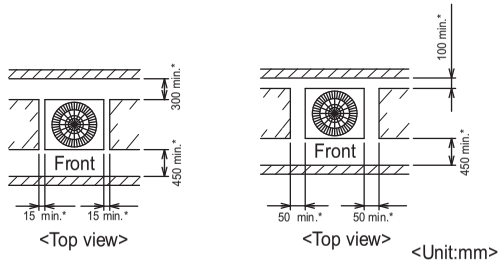
1.Required space around the unit

● In case of single installation

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

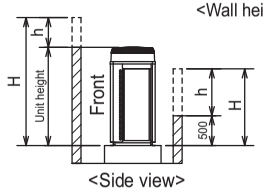
· With a space of at least 300mm to the wall on the back of the unit

· With a space of at least 100mm to the wall on the back of the unit



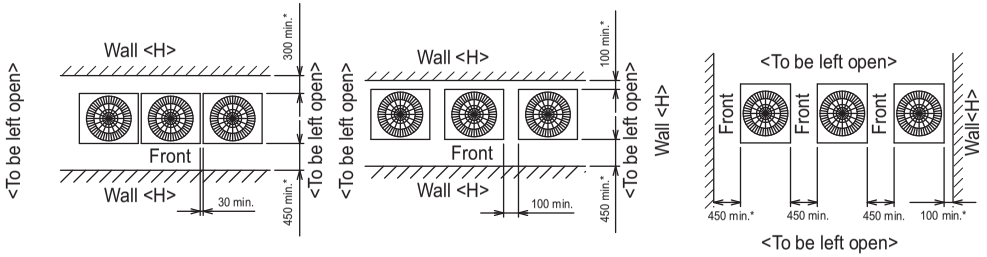
② When the height of the walls on the front,back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

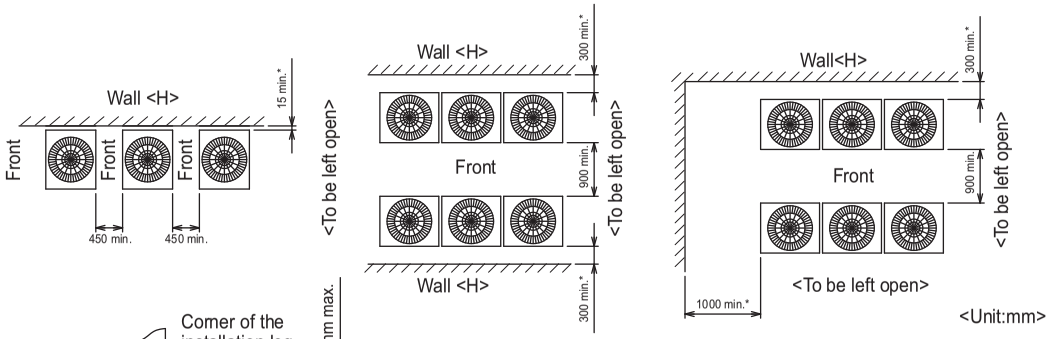
<Wall height limit> Front :Up to the unit height
Back :Up to 500mm from the unit bottom
Side :Up to the unit height



● In case of collective installation

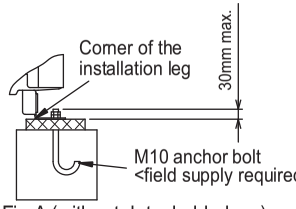
① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of unit as shown in the figures below.
② At least two sides must be left open.
③ As with the single installation, add the height that exceeds the height limit <h> to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

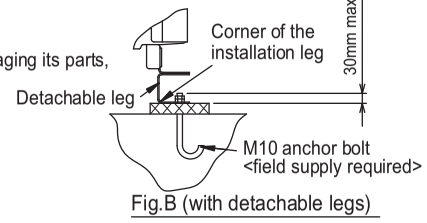


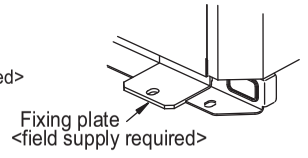


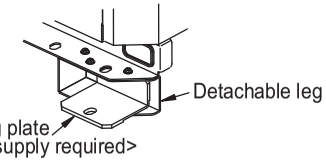
2.Foundation work

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









Unit : mm

PUHY-EP250YJM-A(-BS)

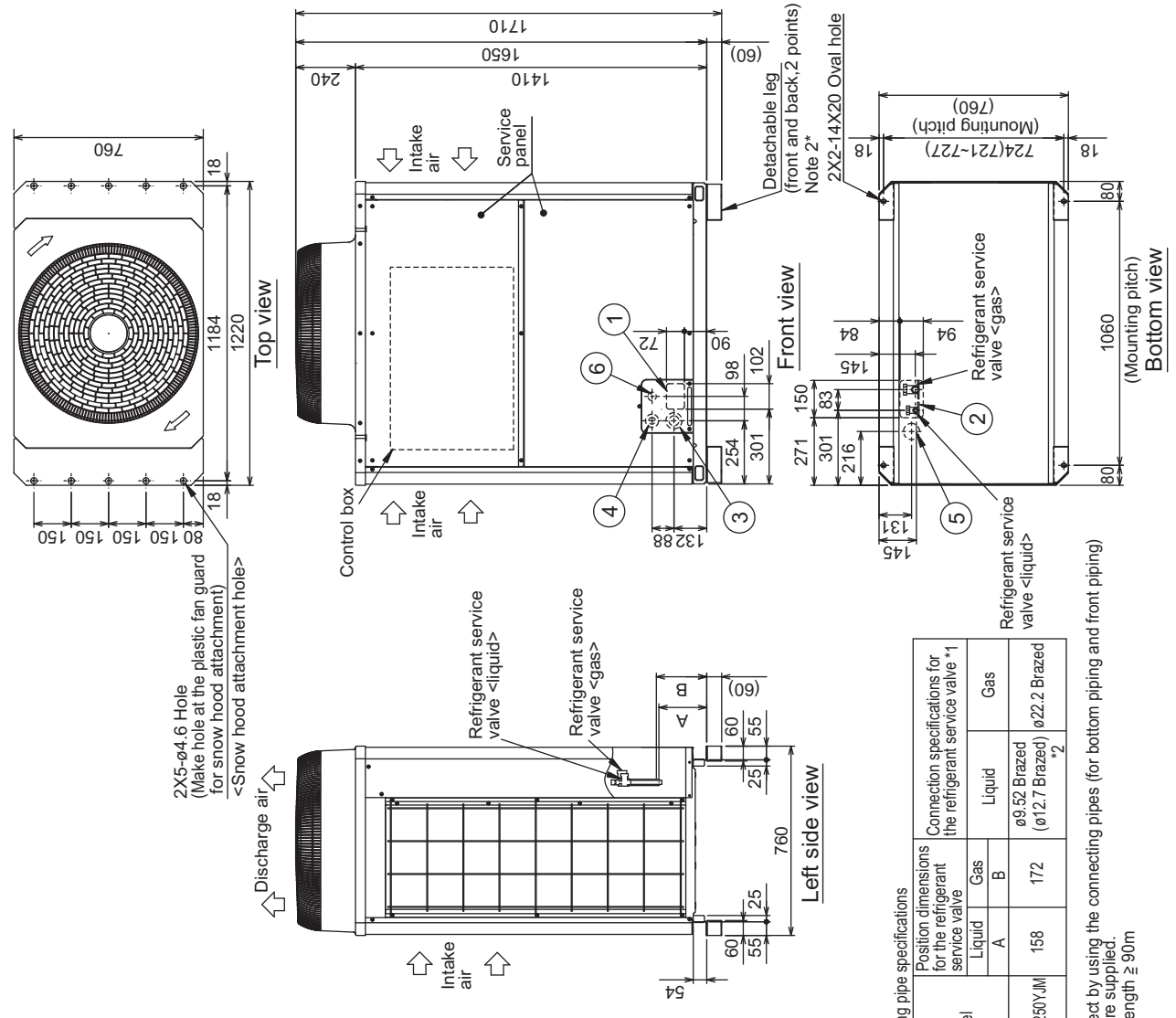
Unit : mm

<Accessories>
● Connecting pipe
<Gas> · Elbow(IDø25.4XODø25.4) 1pc.
· Pipe (IDø25.4XODø22.2) 1pc.
· Pipe (IDø28.58XODø34.93) 1pc.
<Liquid> · Pipe (IDø15.88XODø15.88) 1pc.
· Pipe (IDø15.88XODø9.52) 1pc.
· Pipe (IDø15.88XODø12.7) 1pc.
· Pipe (IDø9.52XODø12.7) 1pc.
· Pipe (IDø15.88XODø19.05) 1pc.

Note1.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	For pipes	Front through hole
②		Bottom through hole
③	For wires	Front through hole
④		Front through hole
⑤		Bottom through hole
⑥	For transmission cables	Front through hole

102X72 Knockout hole	
150X94 Knockout hole	
ø65 or ø40 Knockout hole	
ø52 or ø27 Knockout hole	
ø65 Knockout hole	
ø34 Knockout hole	



Connecting pipe specifications

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1		
	Liquid	Gas	Liquid		Gas
	A	B			
PUHY-EP250YJM	158	172	ø9.52 Brazed (ø12.7 Brazed) *2		ø22.2 Brazed

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
*2 Total length ≦ 90m

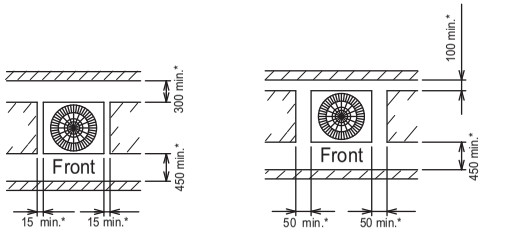
1.Required space around the unit

● In case of single installation

①Secure 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

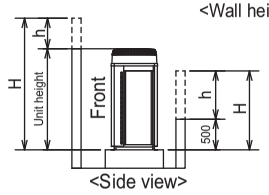
· With a space of at least 100mm to the wall on the back of the unit



<Unit:mm>

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.

<Wall height limit> Front :Up to the unit height
Back :Up to 500mm from the unit bottom
Side :Up to the unit height

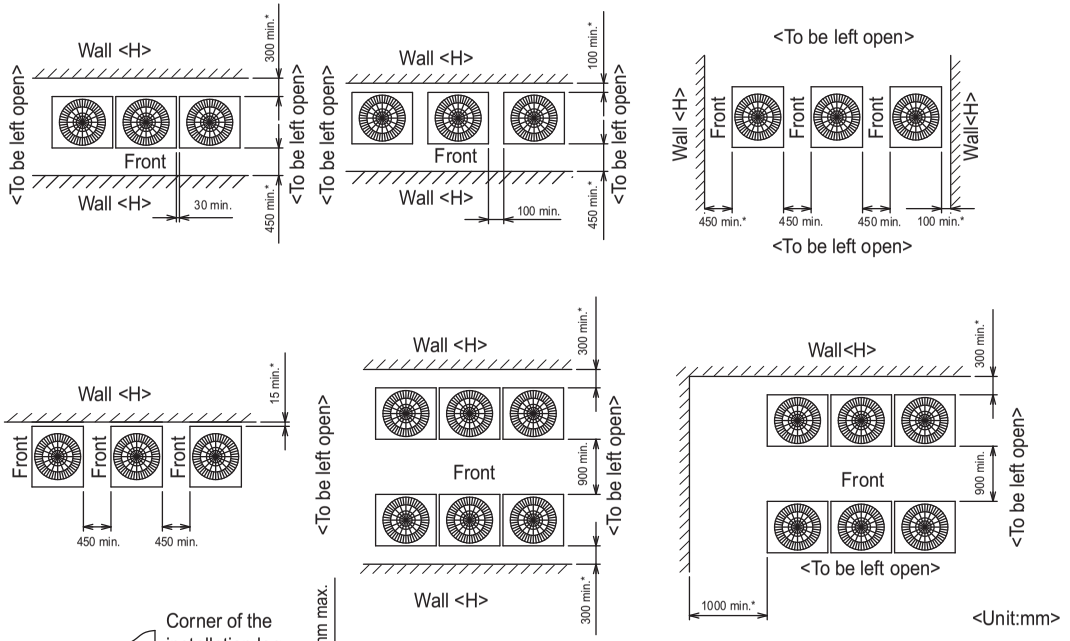


2.Foundation work

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

● In case of collective installation

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



<Unit:mm>

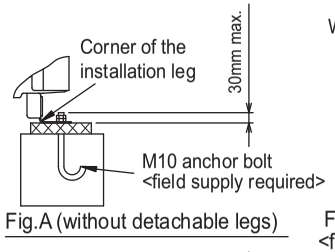


Fig.A (without detachable legs)

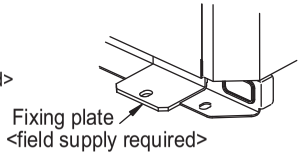


Fig.C (without detachable legs)

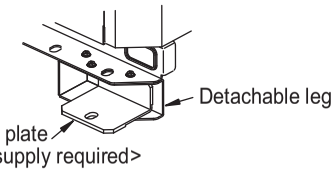


Fig.D (with detachable legs)

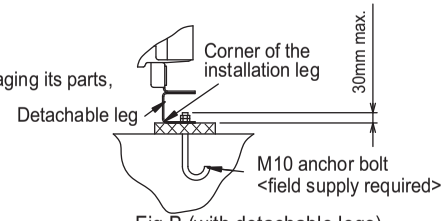
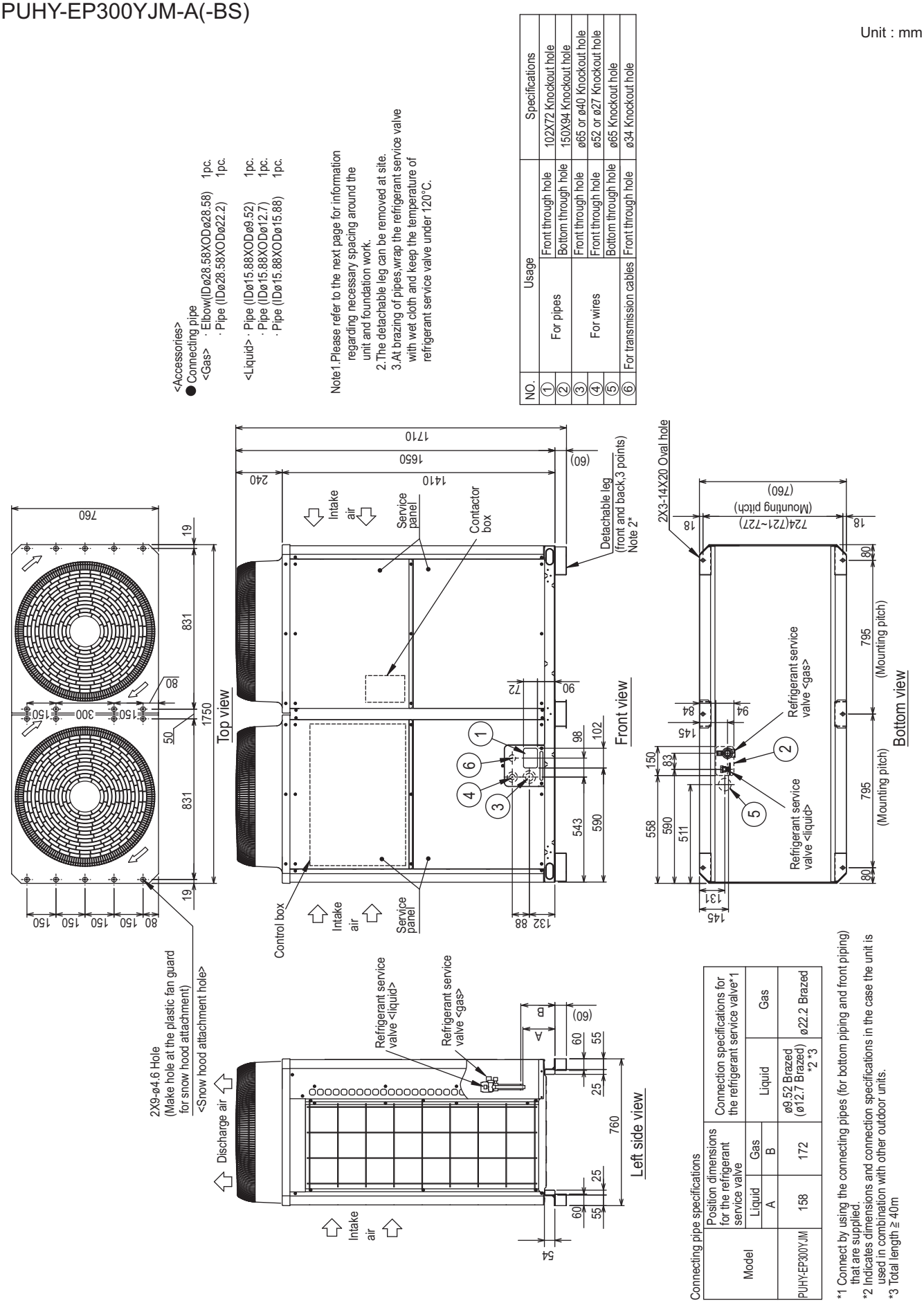


Fig.B (with detachable legs)

Unit : mm

PUHY-EP300YJM-A(-BS)

Unit : mm

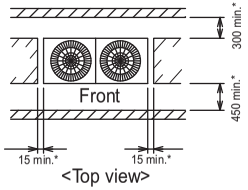


1.Required space around the unit

● In case of single installation

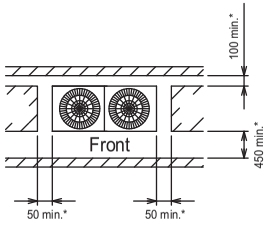
① Secure enough space around the unit as shown in the figure below.

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



<Top view>

· With a space of at least 100mm to the wall on the back of the unit

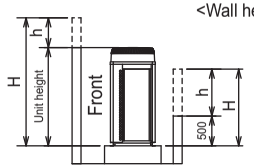


<Top view>

<Unit:mm(in)>

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.

<Wall height limit> Front :Up to the unit height
Back :Up to 500mm from the unit bottom
Side :Up to the unit height



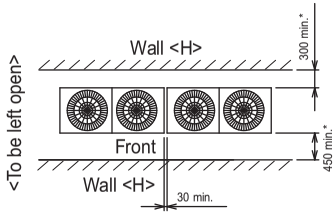
<Side view>

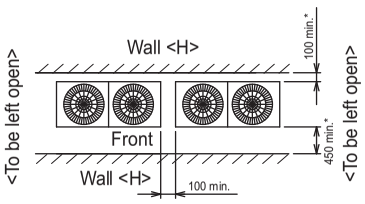
2.Foundation work

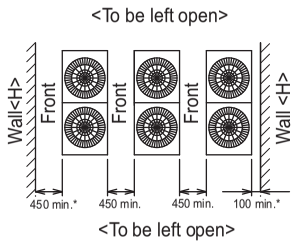
① Take into consideration the surface strength,water drainage route, piping route,and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported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

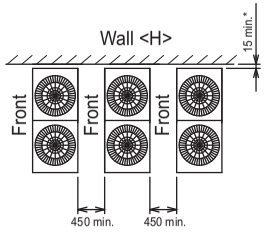
● In case of collective installation

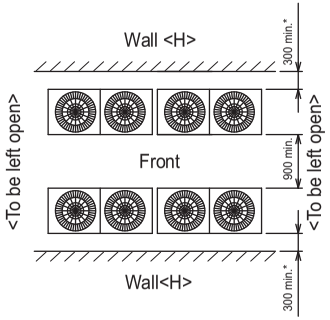
① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
② At least two sides must be left open.
③ As with the single installation, add the height that exceeds the height limit <h> to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

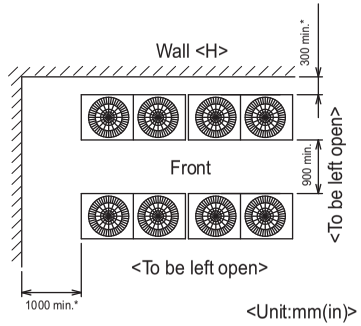












<Unit:mm(in)>

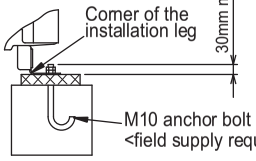


Fig.A (without detachable legs)

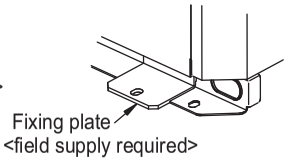


Fig.C (without detachable legs)

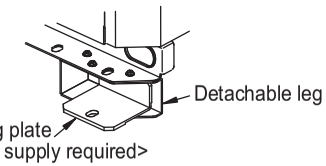


Fig.D (with detachable legs)

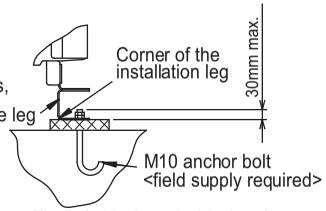
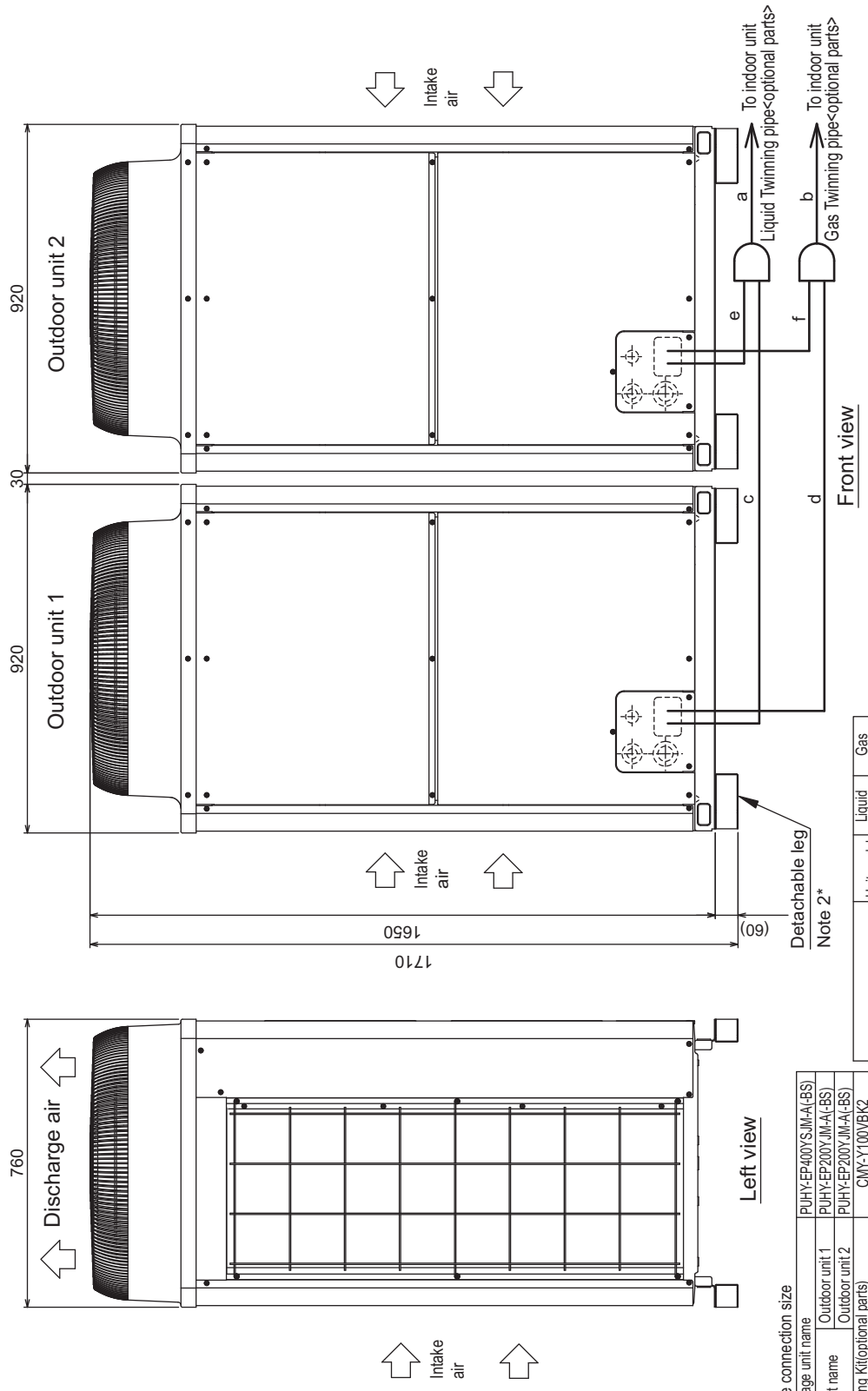


Fig.B (with detachable legs)

Unit : mm

PUHY-EP400YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

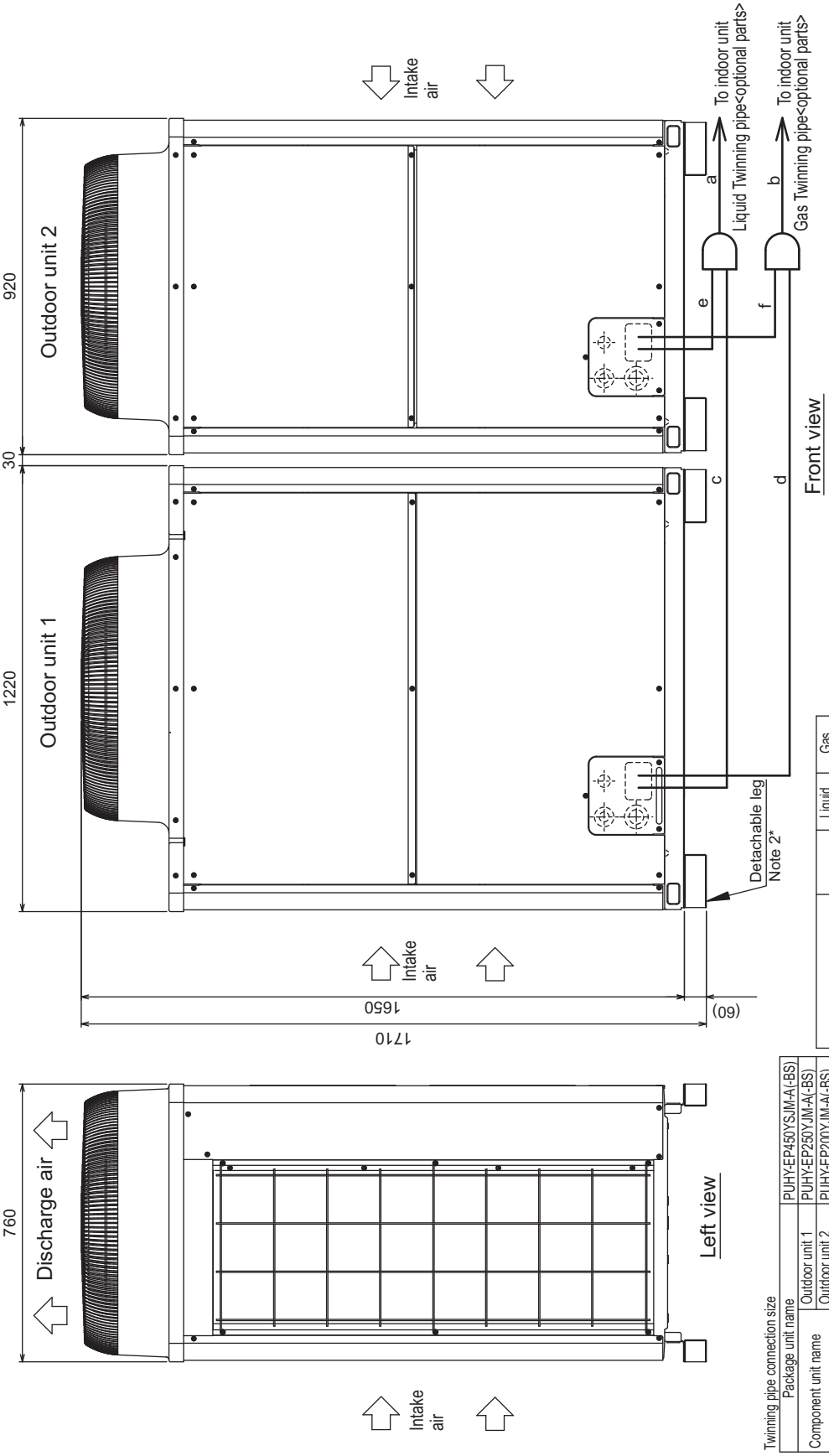
Package unit name			PUHY-EP400YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP200YJM-A(-BS)
	Outdoor unit 2		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit–Twinning pipe	Liquid	a	ø12.7
	Gas	b	ø28.58

Twinning pipe–Outdoor unit	Unit model	Liquid	Gas
	EP200	c or e	d or f
		ø9.52	ø19.05

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5. Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP450YSJM-A(-BS)

Unit : mm



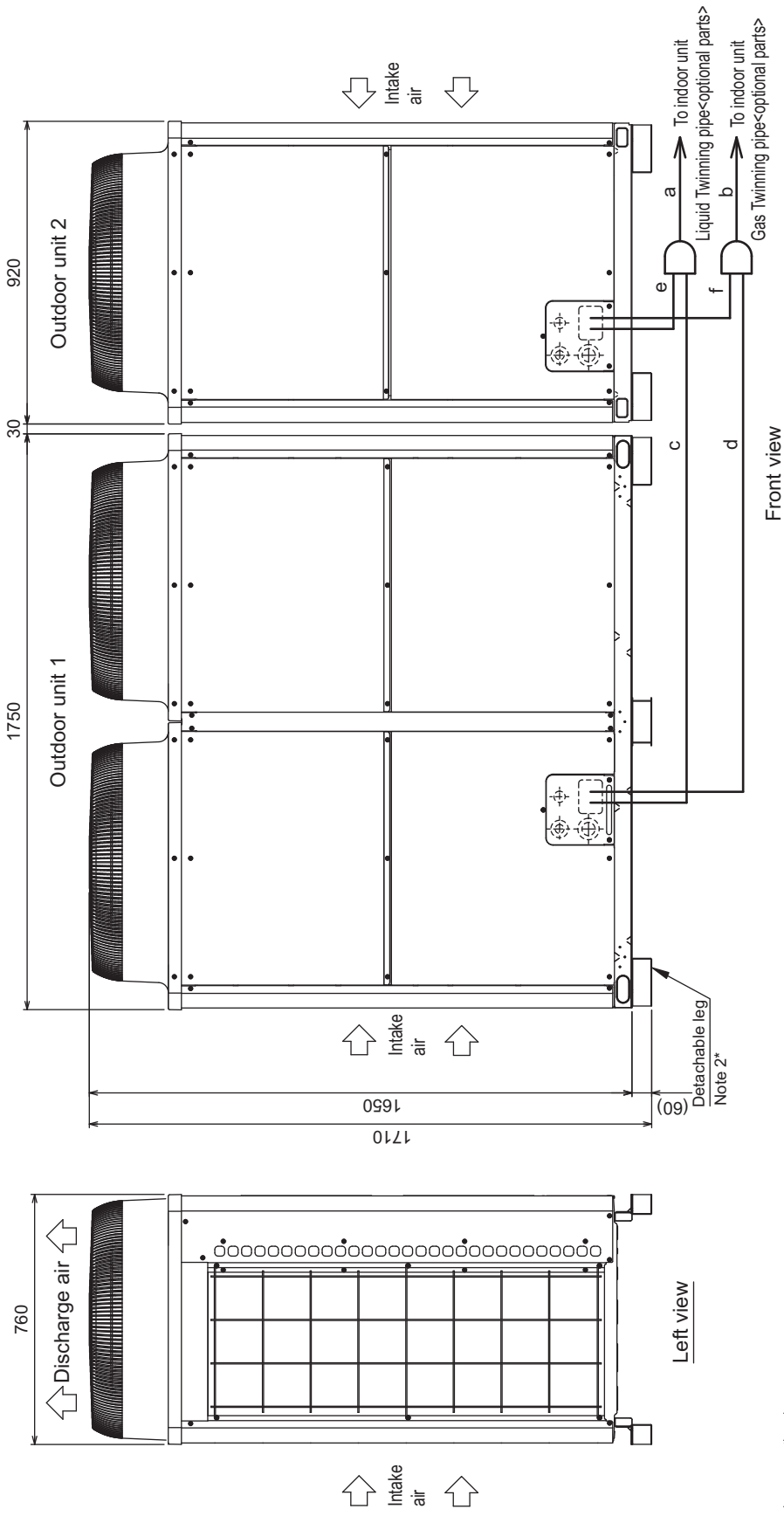
Twinning pipe connection size			
Package unit name			PUHY-EP450YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP250YJM-A(-BS)
	Outdoor unit 2		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit~Twinning pipe	Liquid	a	ø15.88
	Gas	b	ø28.58

Twinning pipe~Outdoor unit	Unit model	Liquid	Gas
		c or e	d or f
	EP200	ø9.52	ø19.05
	EP250	ø9.52	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP500YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

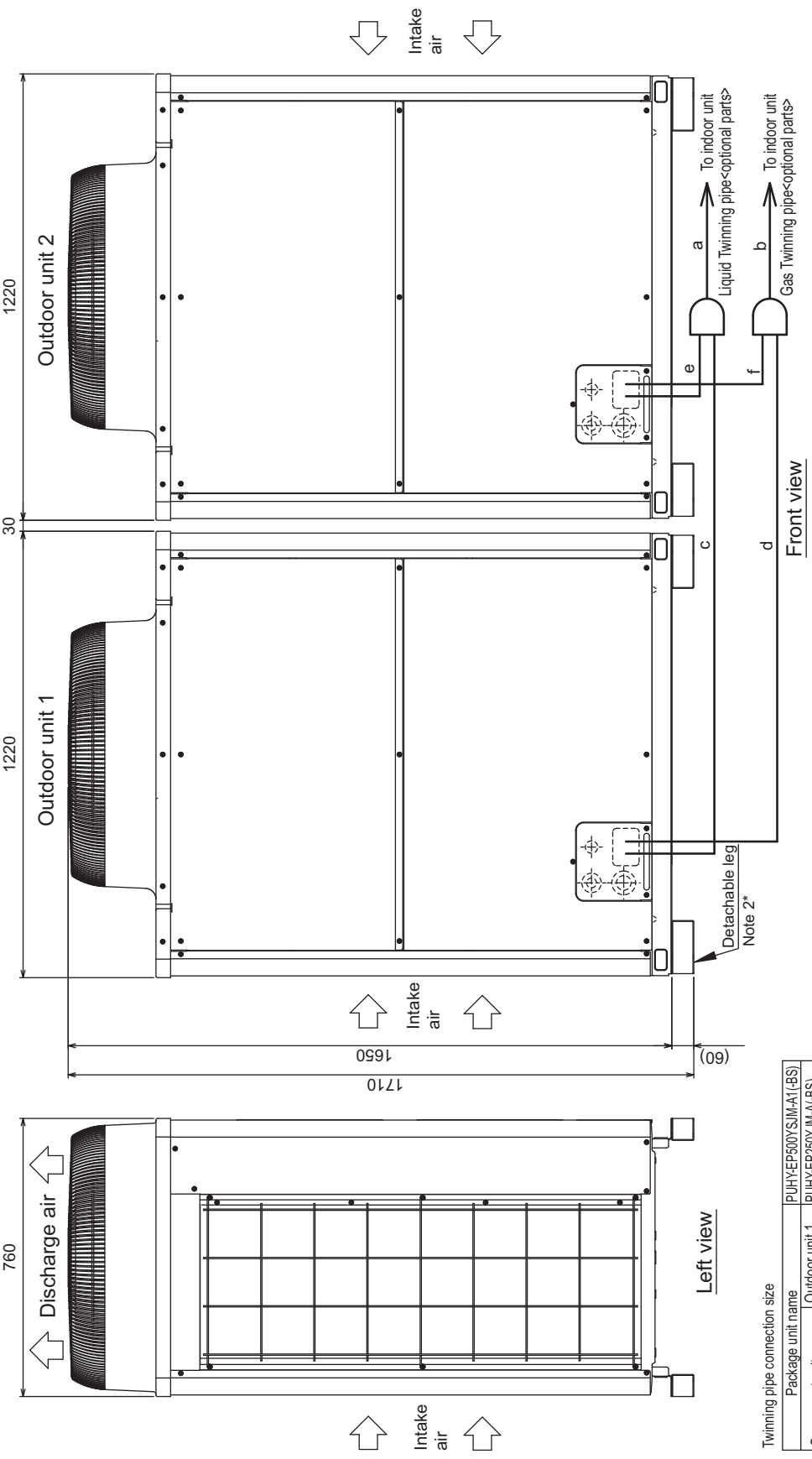
Package unit name			PUHY-EP500YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit~Twinning pipe	Liquid	a	ø15.88
	Gas	b	ø28.58

Twinning pipe~Outdoor unit	Unit model	Liquid	Gas
		c or e	d or f
	EP200	ø9.52	ø19.05
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP500YSJM-A1(-BS)

Unit : mm



		Unit model	Liquid	Gas
Twinning pipe~Outdoor unit		EP250	c or e	d or f
			ø9.52	ø22.2

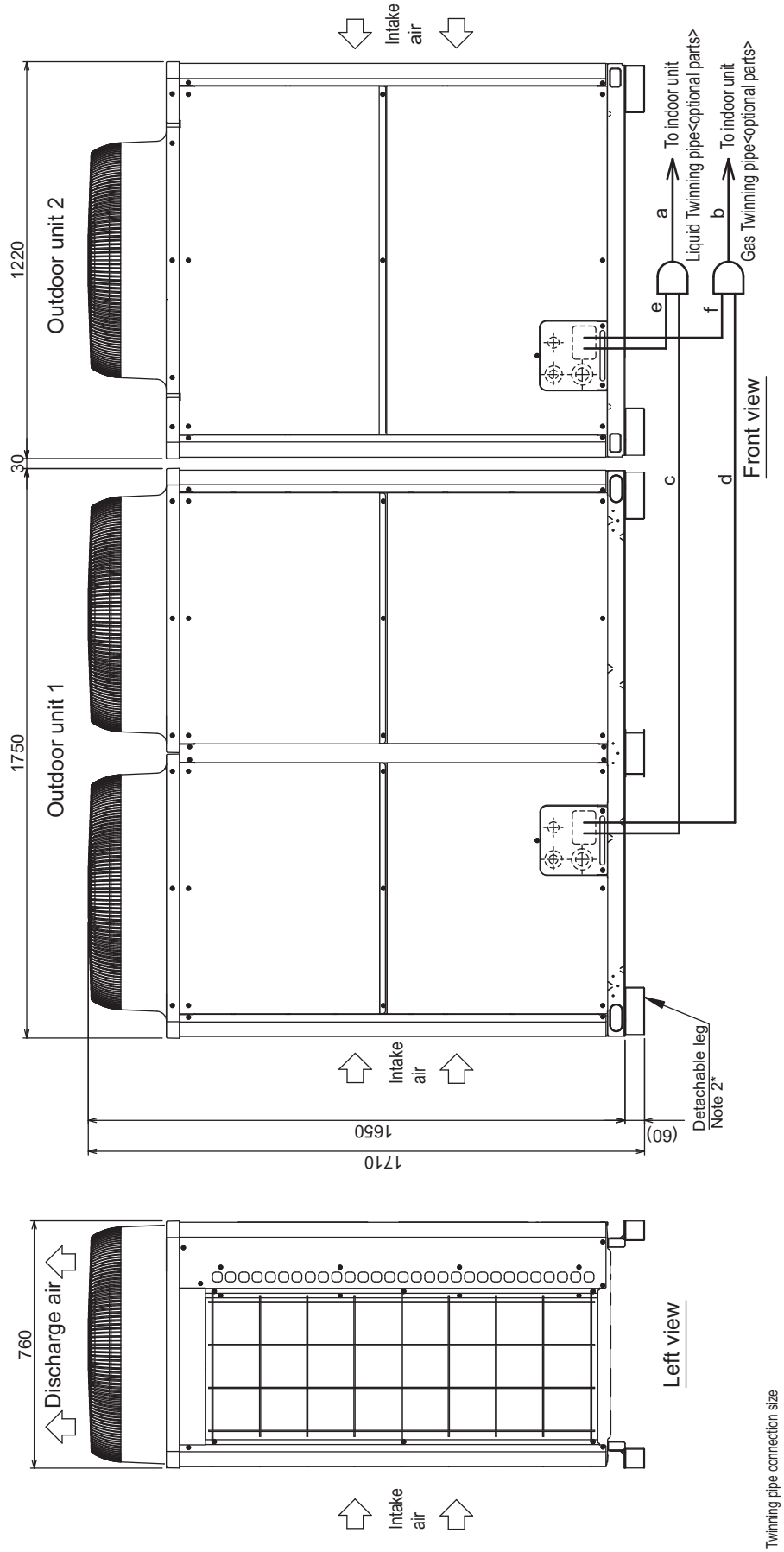
Twinning pipe connection size

Package unit name			PUHY-EP500YSJM-A1(-BS)
Component unit name	Outdoor unit 1		PUHY-EP250Y.JM-A(-BS)
	Outdoor unit 2		PUHY-EP250Y.JM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit~Twinning pipe	Liquid	a	ø15.88
	Gas	b	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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP550YSJM-A(-BS)

Unit : mm



		Unit model	Liquid	Gas
Twinning pipe~Outdoor unit			c or e	d or f
		EP250	ø9.52	ø22.2
		EP300	ø12.7	ø22.2

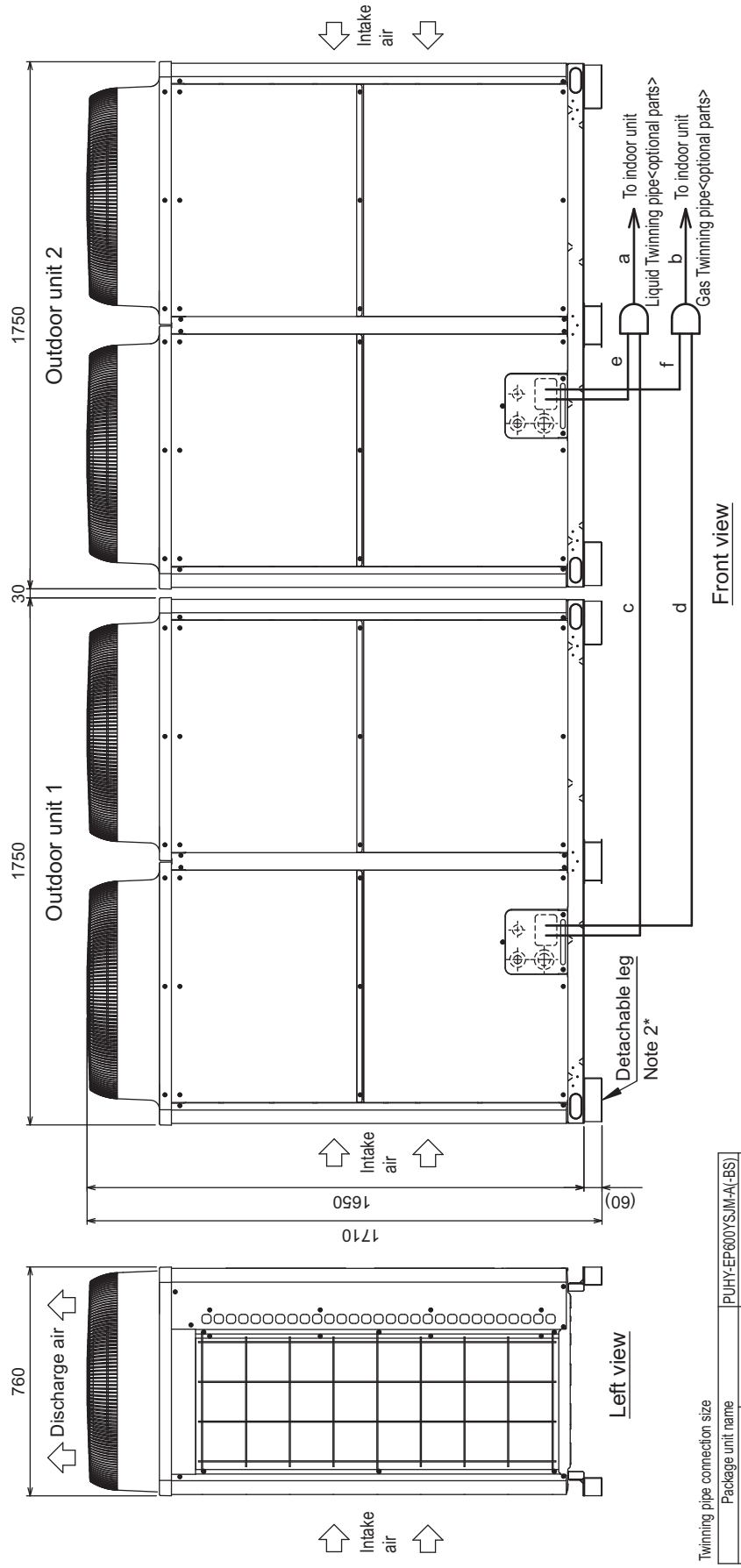
Twinning pipe connection size

Package unit name			PUHY-EP550YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP250YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit~Twinning pipe	Liquid	a	ø15.88
	Gas	b	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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP600YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

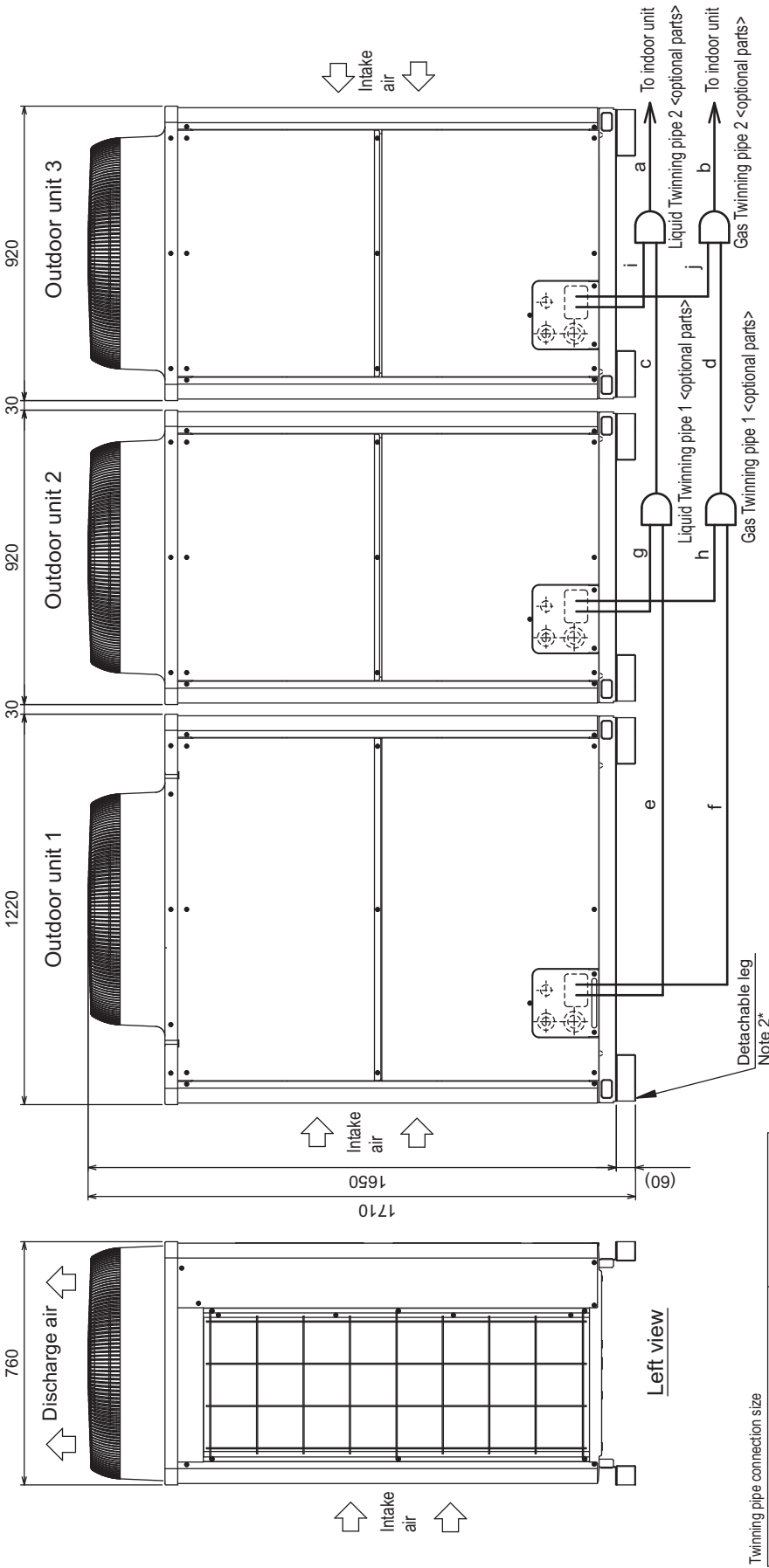
Package unit name			PUHY-EP600YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP300YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2
Indoor unit~Twinning pipe	Liquid	a	ø15.88
	Gas	b	ø28.58

	Unit model	Liquid	Gas
		c or e	d or f
Twinning pipe~Outdoor unit	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP650YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

Package unit name			PUHY-EP650YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP250YJM-A(-BS)
	Outdoor unit 2		PUHY-EP200YJM-A(-BS)
	Outdoor unit 3		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø15.88
	Gas	b	ø28.58
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

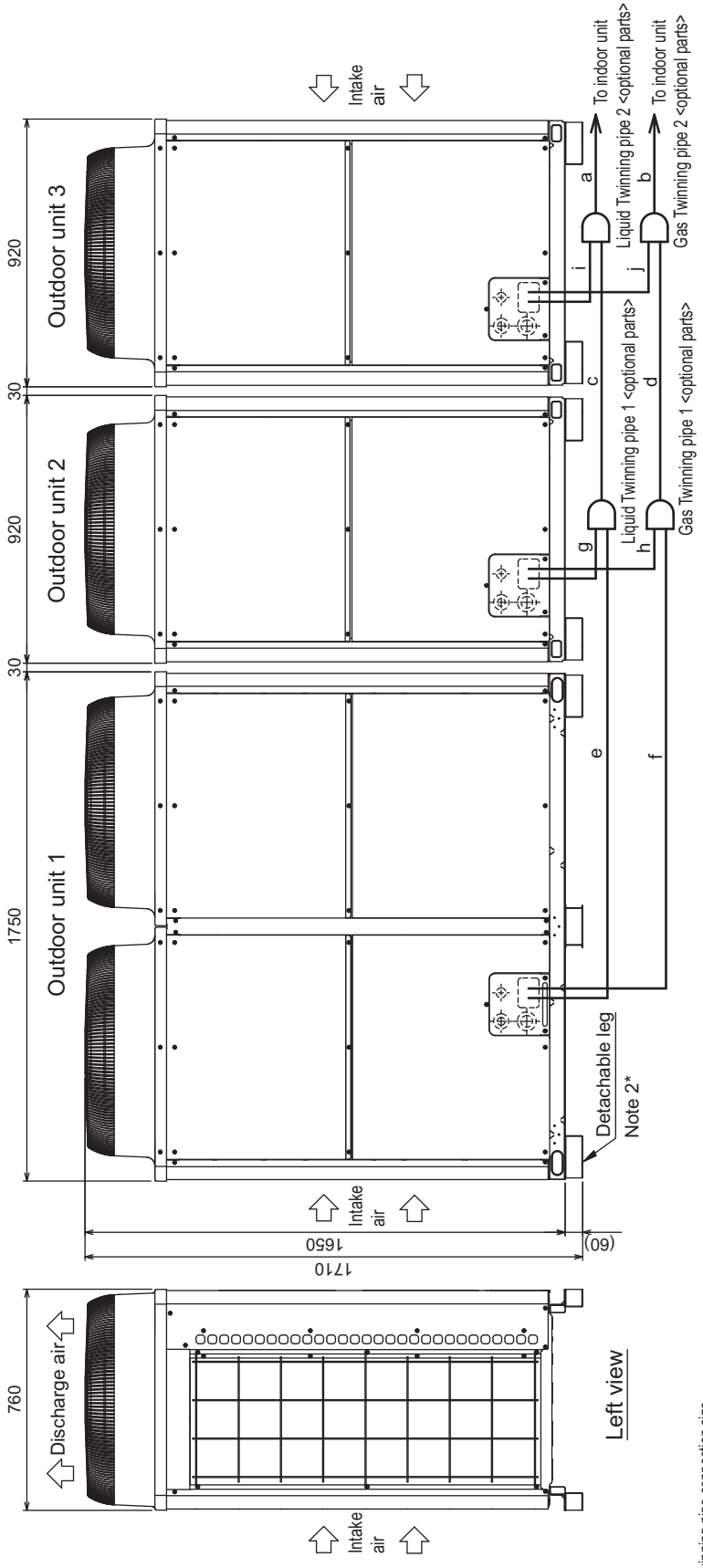
Twinning pipe~Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
	EP200	ø9.52	ø19.05
	EP250	ø9.52	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

2. EXTERNAL DIMENSIONS

PUHY-EP700YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

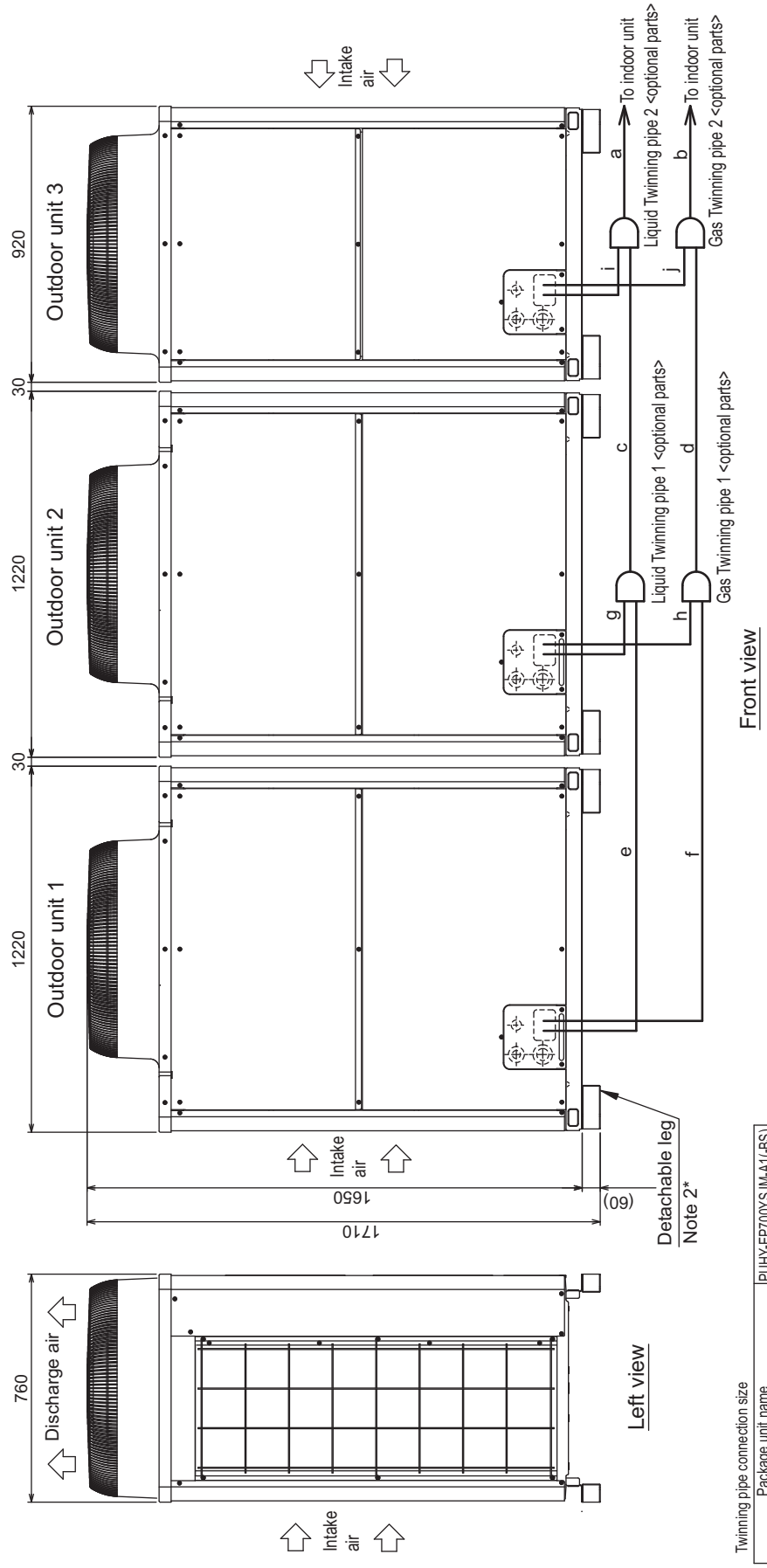
Package unit name			PUHY-EP700YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP200YJM-A(-BS)
	Outdoor unit 3		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

Twinning pipe~Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
	EP200	ø9.52	ø19.05
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section ("including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP700YSJM-A1(-BS)

Unit : mm



Twinning pipe connection size

Package unit name			PUHY-EP700YSJM-A1(-BS)
Component unit name	Outdoor unit 1		PUHY-EP250YJM-A(-BS)
	Outdoor unit 2		PUHY-EP250YJM-A(-BS)
	Outdoor unit 3		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

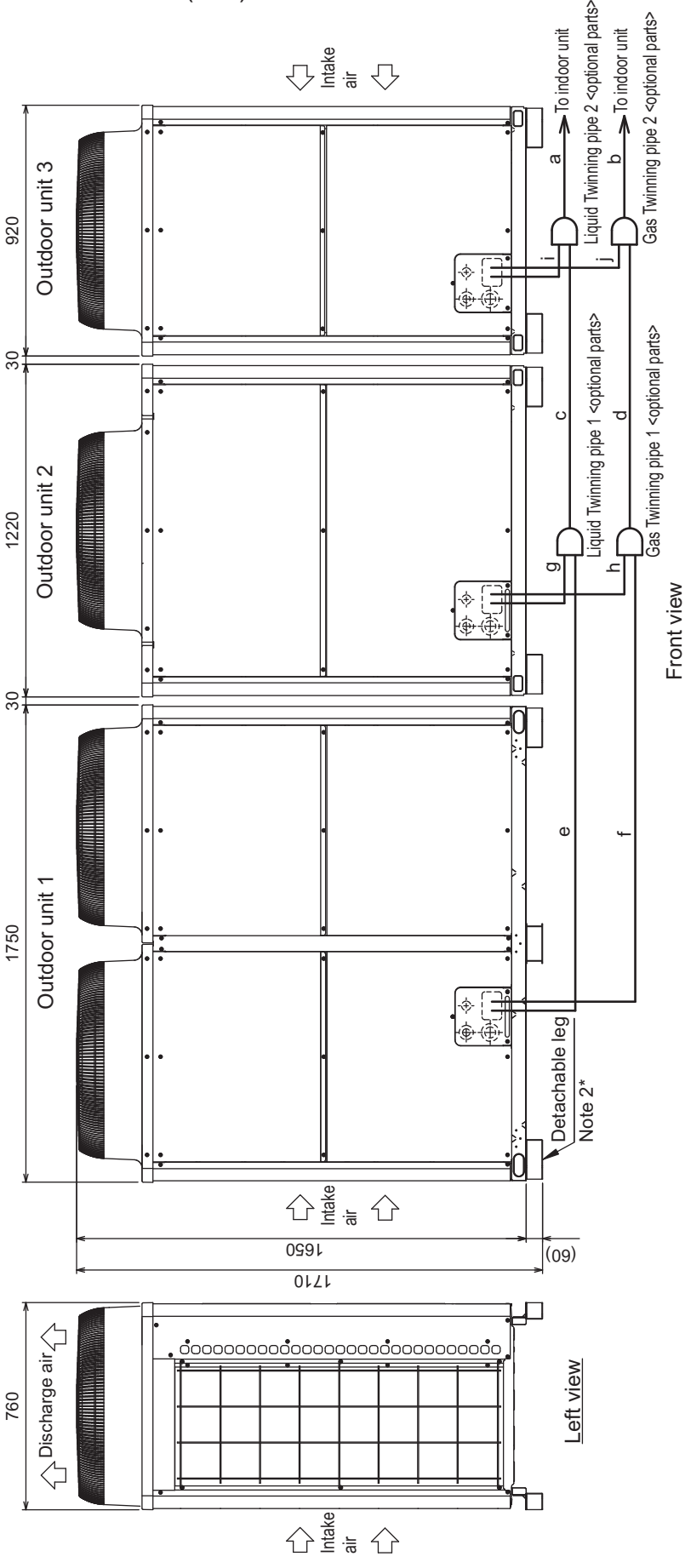
Twinning pipe~Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
	EP200	ø9.52	ø19.05
	EP250	ø9.52	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

Y(HIGH COP)

PUHY-EP750YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

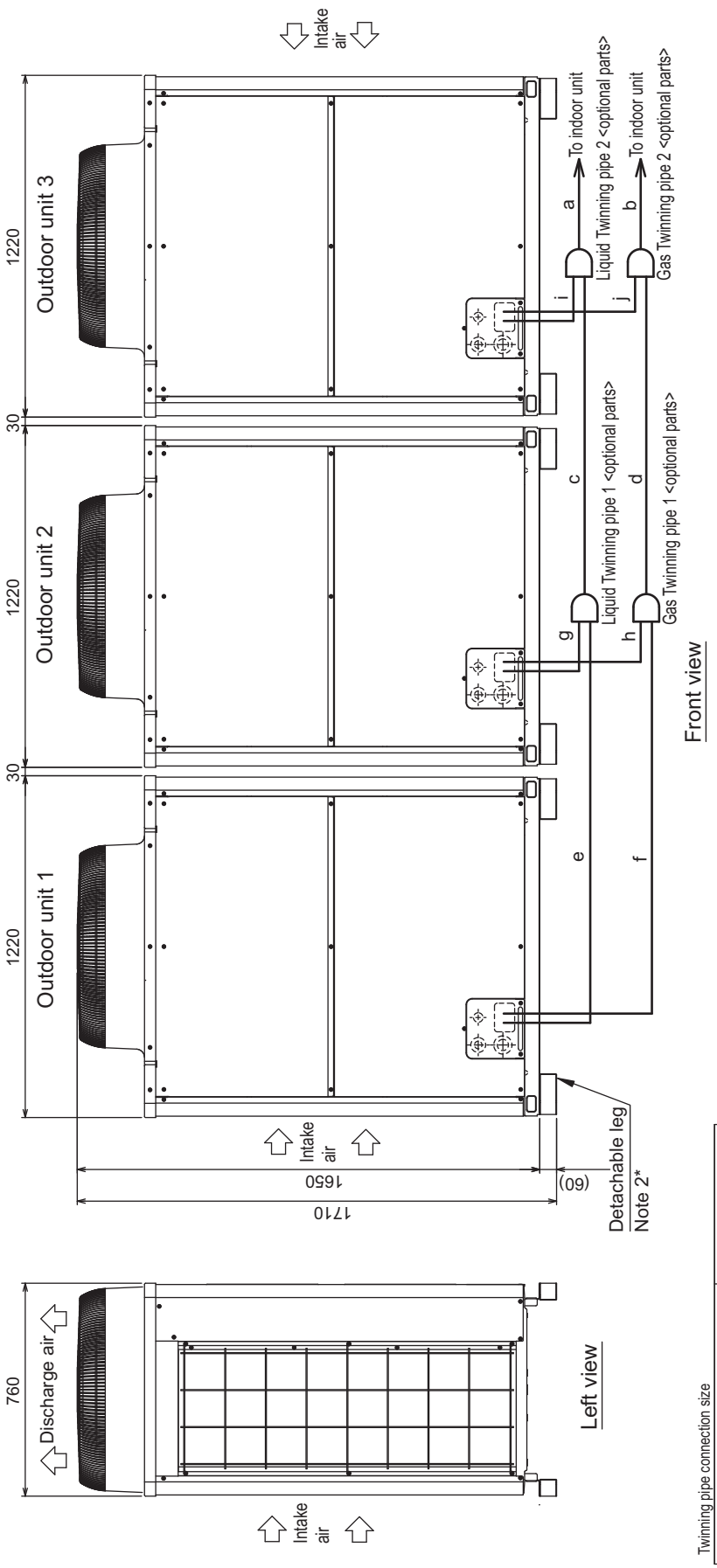
Package unit name			PUHY-EP750YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP250YJM-A(-BS)
	Outdoor unit 3		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

	Unit model	Liquid e or g or i	Gas f or h or j
Twinning pipe~Outdoor unit	EP200	ø9.52	ø19.05
	EP250	ø9.52	ø22.2
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP750YSJM-A1(-BS)

Unit : mm



Twinning pipe connection size

Package unit name			PUHY-EP750YSJM-A1(-BS)
Component unit name	Outdoor unit 1		PUHY-EP250YJM-A(-BS)
	Outdoor unit 2		PUHY-EP250YJM-A(-BS)
	Outdoor unit 3		PUHY-EP250YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

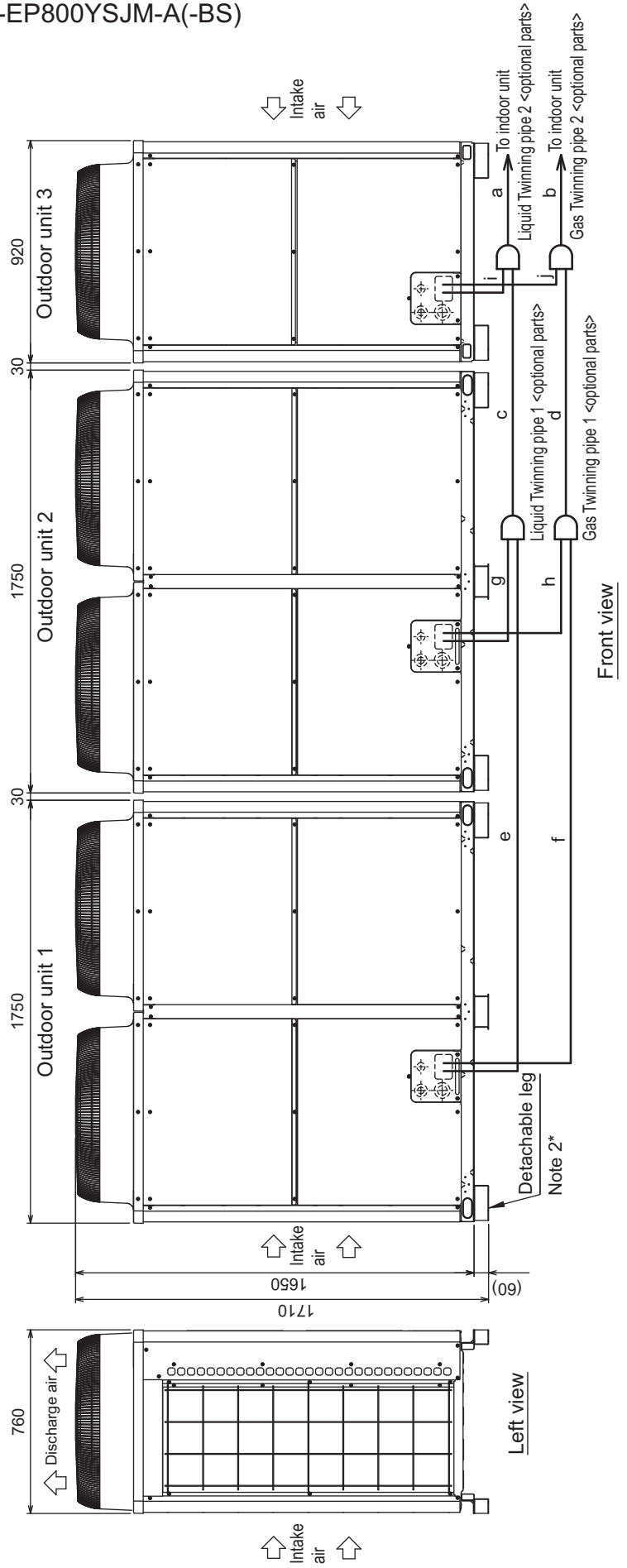
	Unit model	Liquid	Gas
Twinning pipe~Outdoor unit	EP250	ø9.52	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section ("including the straight pipe that is supplied with the Twinning pipe).
5. Only use the Twinning pipe by Mitsubishi (optional parts).

2. EXTERNAL DIMENSIONS

PUHY-EP800YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

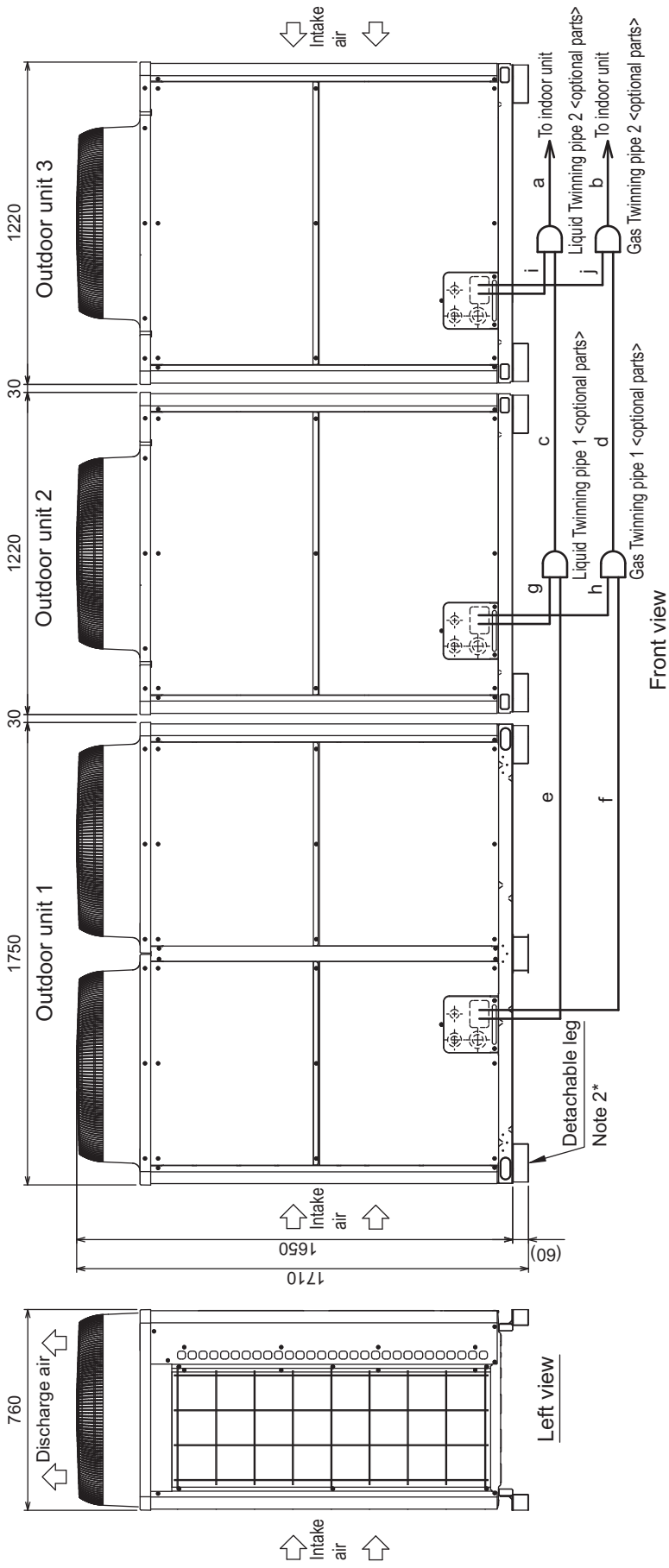
Package unit name			PUHY-EP800YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP300YJM-A(-BS)
	Outdoor unit 3		PUHY-EP200YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

	Unit model	Liquid e or g or i	Gas f or h or j
Twinning pipe~Outdoor unit	EP200	ø9.52	ø19.05
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5. Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP800YSJM-A1(-BS)

Unit : mm



Twinning pipe connection size

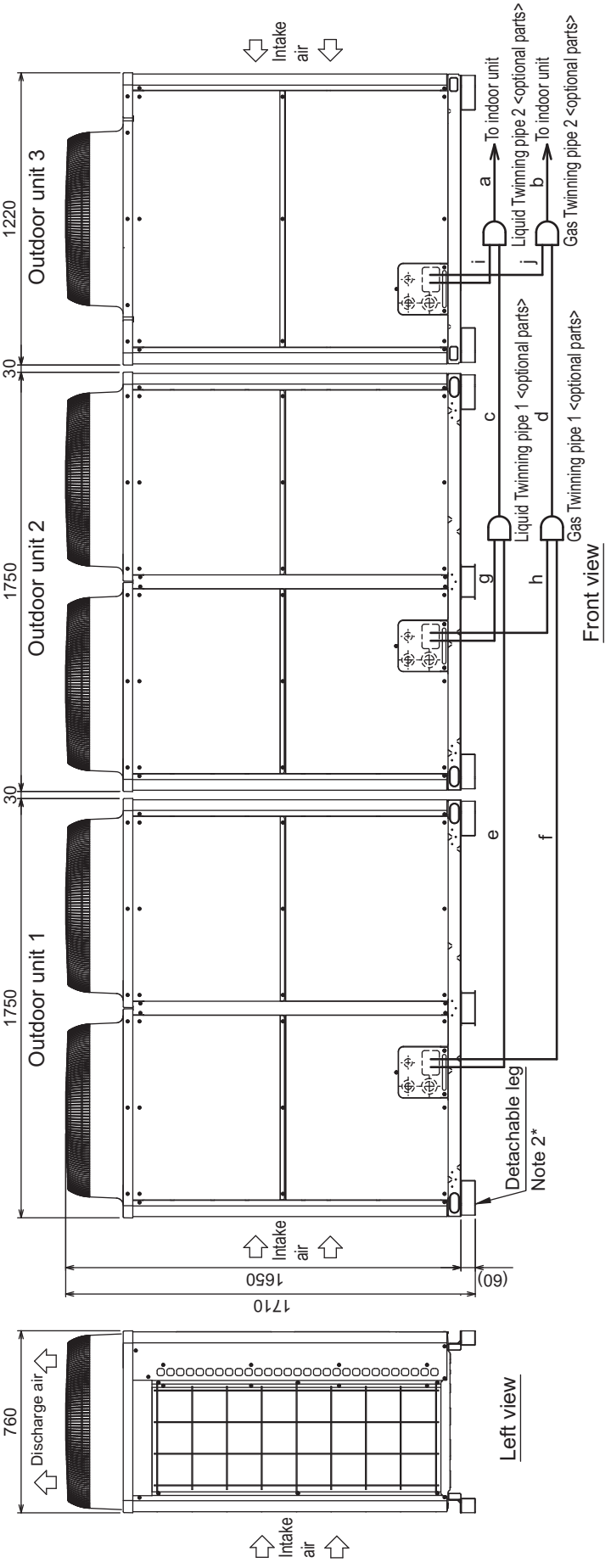
Package unit name			PUHY-EP800YSJM-A1(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP250YJM-A(-BS)
	Outdoor unit 3		PUHY-EP250YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø34.93
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

Twinning pipe~Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
	EP250	ø9.52	ø22.2
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP850YSJM-A(-BS)

Unit : mm



Twinning pipe connection size

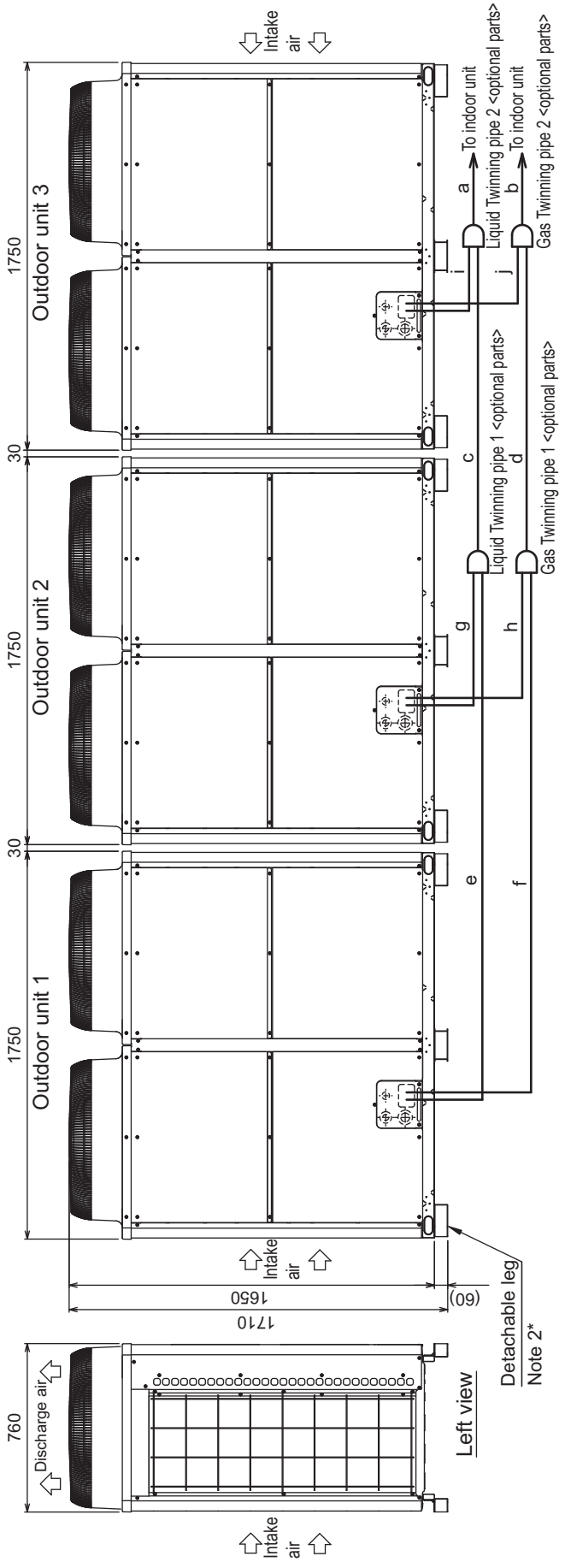
Package unit name			PUHY-EP850YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP300YJM-A(-BS)
	Outdoor unit 3		PUHY-EP250YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø41.28
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

Twinning pipe~Outdoor unit	Unit model	Liquid	Gas
		e or g or i	f or h or j
	EP250	ø9.52	ø22.2
	EP300	ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP900YSJM-A(-BS)

Unit : mm



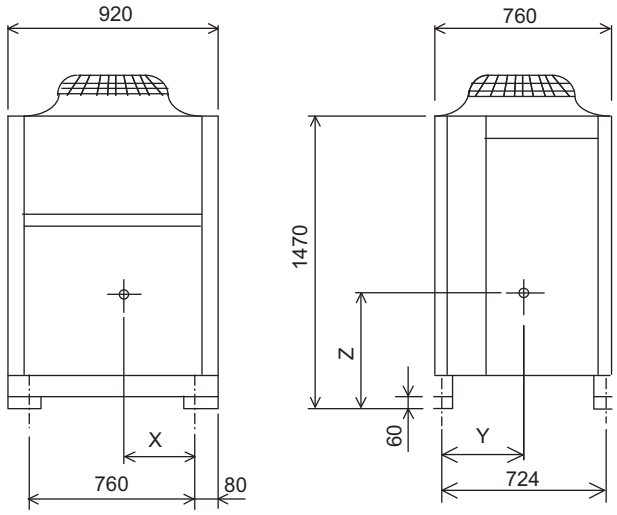
Twinning pipe connection size

Package unit name			PUHY-EP900YSJM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YJM-A(-BS)
	Outdoor unit 2		PUHY-EP300YJM-A(-BS)
	Outdoor unit 3		PUHY-EP300YJM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2
Indoor unit~Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø41.28
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

	Unit model	Liquid	Gas
Twinning pipe~Outdoor unit	EP300	e or g or i	f or h or j
		ø12.7	ø22.2

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 pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
4.The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5.Only use the Twinning pipe by Mitsubishi (optional parts).

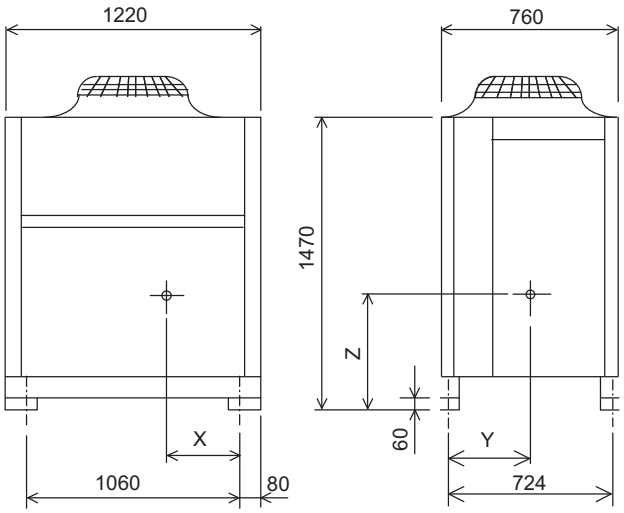
PUHY-P200, P250, P300, EP200YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PUHY-P200YJM-A (-BS)	330	309	647
PUHY-P250YJM-A (-BS)	334	329	652
PUHY-P300YJM-A (-BS)	320	319	632
PUHY-EP200YJM-A (-BS)	334	329	652

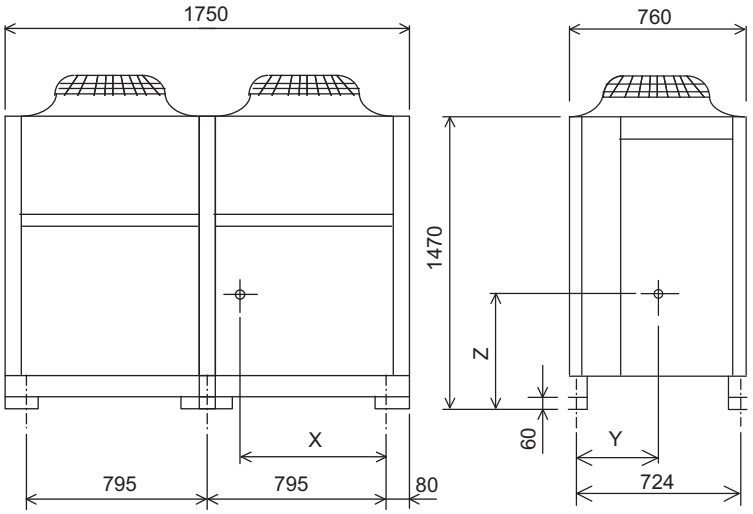
PUHY-P350, P400, EP250YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PUHY-P350YJM-A (-BS)	440	329	630
PUHY-P400YJM-A (-BS)	440	329	630
PUHY-EP250YJM-A (-BS)	440	329	630

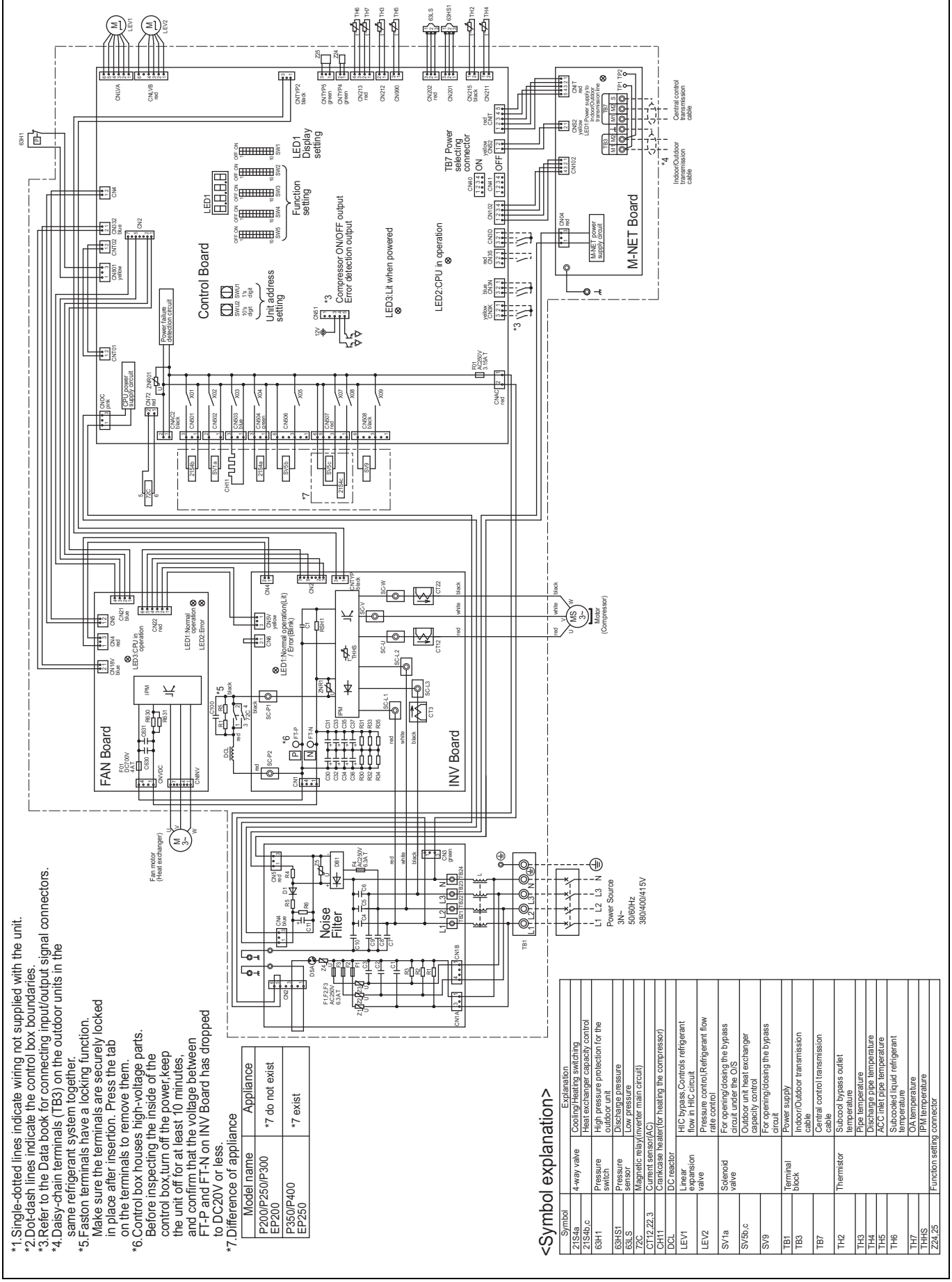
PUHY-P450, EP300YJM-A (-BS)



Unit:mm

Model	X	Y	Z
PUHY-P450YJM-A (-BS)	705	310	720
PUHY-EP300YJM-A (-BS)	705	310	720

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



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

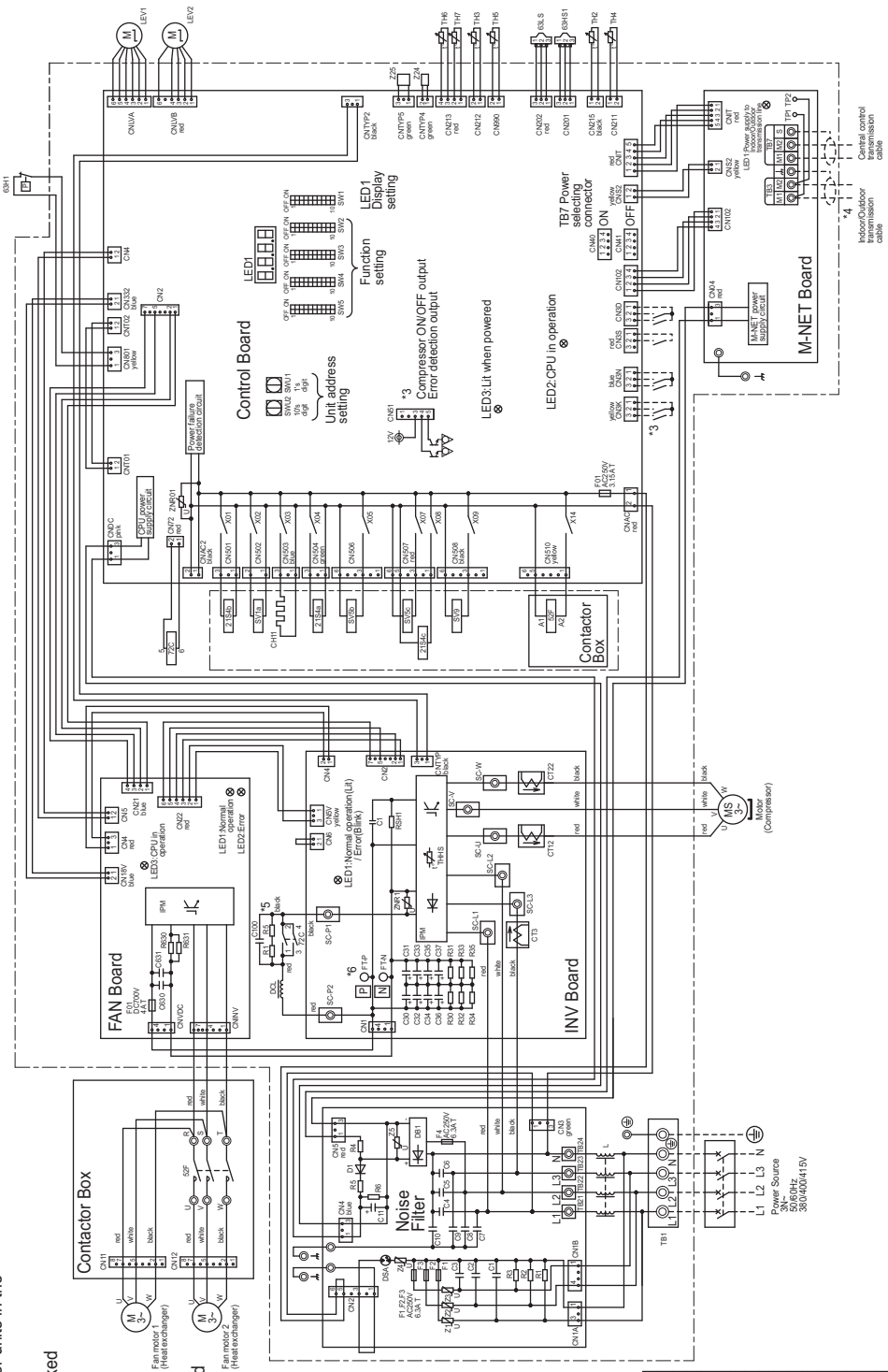
Model name	Appliance
P200/P250/P300 EP200	*7 do not exist
P350/P400 EP250	*7 exist

<Symbol explanation>

Symbol		Explanation
21S4a	4-way valve	Cooling/Heating switching
21S4b,c		Heat exchanger capacity control
63H1	Pressure switch	High pressure protection for the outdoor unit
63HS1	Pressure sensor	Discharge pressure
63LS		Low pressure
72C		Magnetic relay(Inverter main circuit)
CT12,22,3		Current sensor(AC)
CH11		Crankcase heater(for heating the compressor)
DCL		DC reactor
LEV1	Linear expansion valve	HIC bypass,Controls refrigerant flow in HIC circuit
LEV2		Pressure control,Refrigerant flow rate control)
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S
SV5b,c		Outdoor unit heat exchanger capacity control
SV9		For opening/closing the bypass circuit
TB1	Terminal block	Power supply
TB3		Indoor/Outdoor transmission cable
TB7		Central control transmission cable
TH2	Thermistor	Subcool bypass outlet temperature
TH3		Pipe temperature
TH4		Discharge pipe temperature
TH5		ACC inlet pipe temperature
TH6		Subcooled liquid refrigerant temperature
TH7		OA temperature
THHS		IPM temperature
Z24,25	Function setting connector	

Y(HIGH COP)

PUHY-P450YJM-A(-BS)
PUHY-EP300YJM-A(-BS)

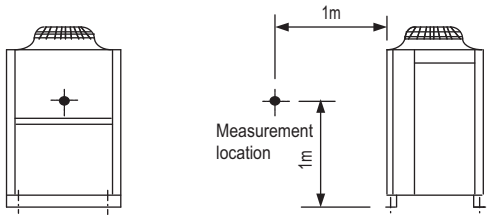


*1.Single-dotted lines indicate wiring not supplied with the unit.
*2.Dot-dash lines indicate the control box boundaries.
*3.Refer to the Data book for connecting input/output signal connectors.
*4.Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
*5.Faston terminals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

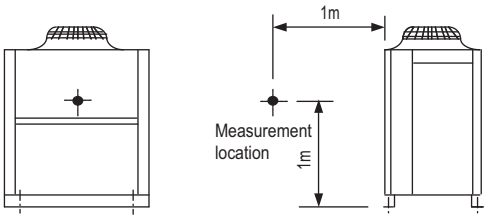
<Symbol explanation>

Symbol		Explanation
21S4a	4-way valve	Cooling/Heating switching
21S4b,c		Heat exchanger capacity control
52F	Magnetic contactor(FAN)	
63H1	Pressure switch	High pressure protection for the outdoor unit
63HS1	Pressure sensor	Discharge pressure
63LS		Low pressure
72C	Magnetic relay(inverter main circuit)	
CT1,2,22,3	Current sensor(AC)	
CH11	Crankcase heater(for heating the compressor)	
DCL	DC reactor	
LEV1	Linear expansion valve	HIC bypass,Controls refrigerant flow in HIC circuit
LEV2		Pressure control,Refrigerant flow rate control
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S
SV5b,c		Outdoor unit heat exchanger capacity control
SV9		For opening/closing the bypass circuit
TB1	Terminal block	Power supply
TB3		Indoor/Outdoor transmission cable
TB7		Central control transmission cable
TH2	Thermistor	Subcool bypass outlet temperature
TH3		Pipe temperature
TH4		Discharge pipe temperature
TH5		ACC inlet pipe temperature
TH6		Subcooled liquid refrigerant temperature
TH7		OA temperature
THHS		IPM temperature
Z24,25	Function setting connector	

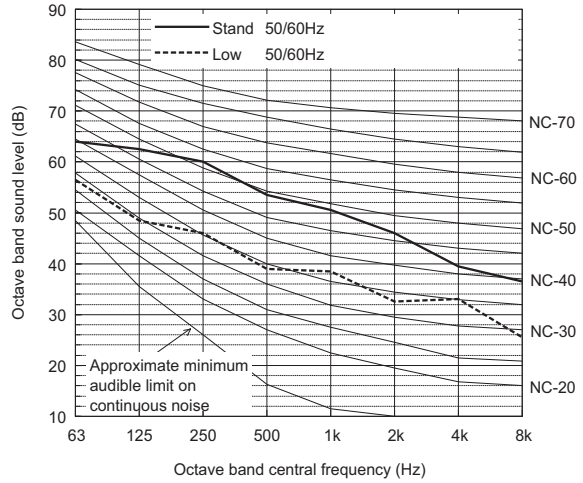
Measurement condition
PUHY-EP200YJM-A(-BS)



Measurement condition
PUHY-EP250YJM-A(-BS)



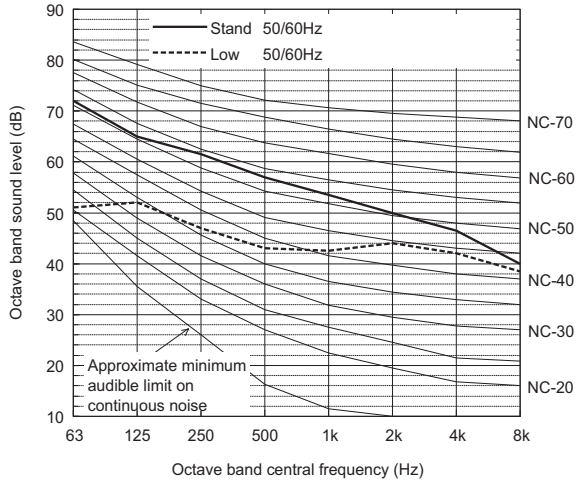
Sound level of PUHY-EP200YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	64.0	62.5	60.0	53.5	50.5	46.0	39.5	36.5	57.0
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.

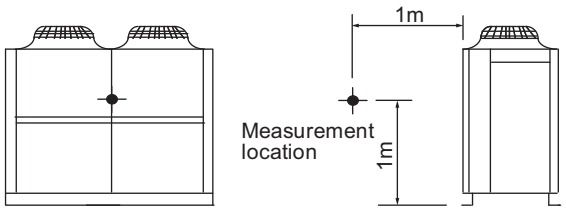
Sound level of PUHY-EP250YJM-A(-BS)



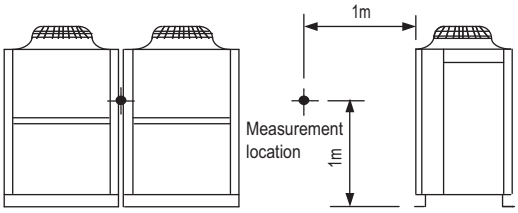
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Low noise mode	50/60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

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.

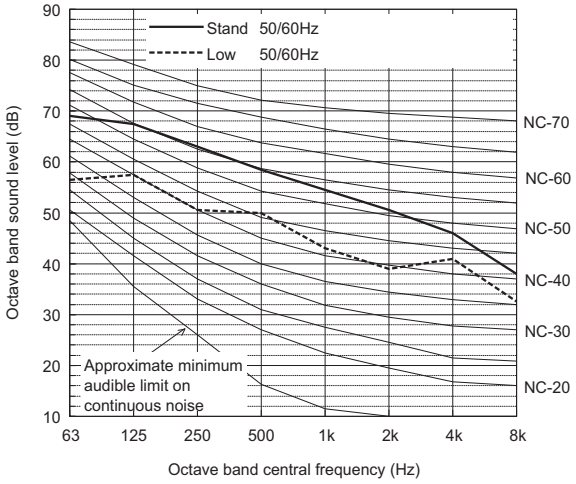
Measurement condition
PUHY-EP300YJM-A(-BS)



Measurement condition
PUHY-EP400YSJM-A(-BS)



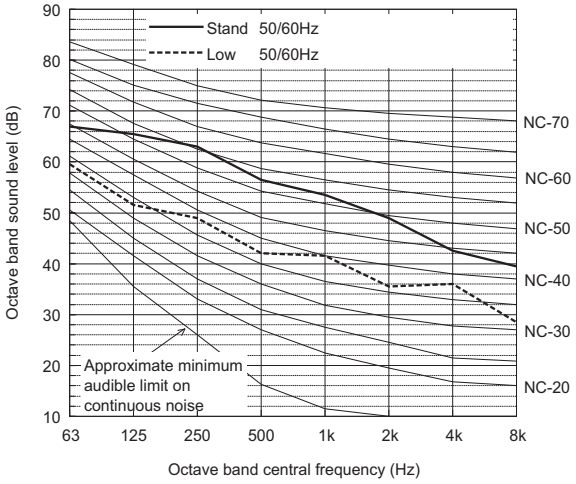
Sound level of PUHY-EP300YJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	69.0	67.5	63.0	58.5	54.5	50.5	46.0	38.0	61.0
Low noise mode	50/60Hz	56.5	57.5	50.5	50.0	43.0	39.0	41.0	32.5	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.

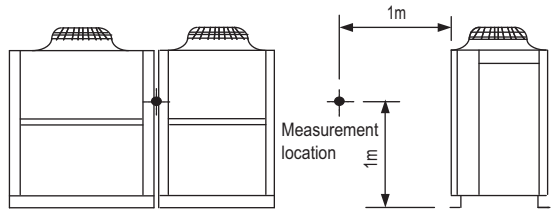
Sound level of PUHY-EP400YSJM-A(-BS)



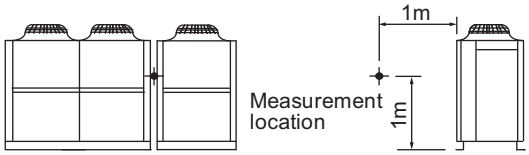
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	67.0	65.5	63.0	56.5	53.5	49.0	42.5	39.5	60.0
Low noise mode	50/60Hz	59.5	51.5	49.0	42.0	41.5	35.5	36.0	28.5	47.0

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.

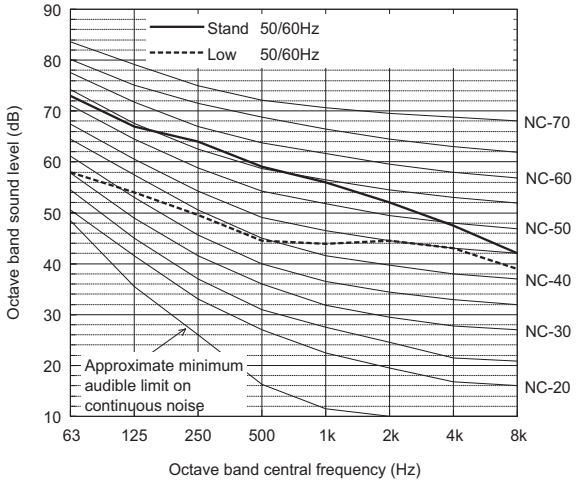
Measurement condition
PUHY-EP450YSJM-A(-BS)



Measurement condition
PUHY-EP500YSJM-A(-BS)



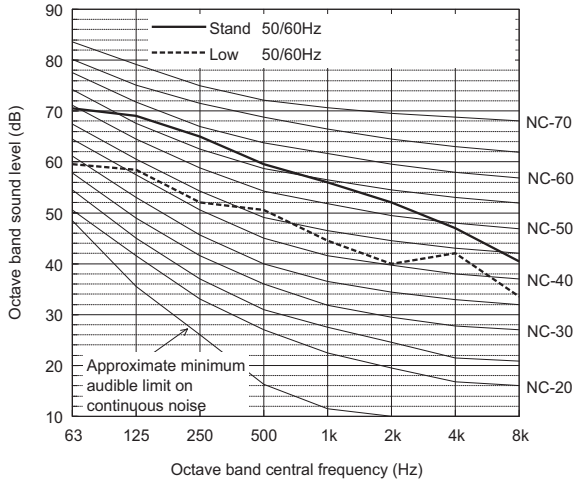
Sound level of PUHY-EP450YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	67.0	64.0	59.0	56.0	52.0	47.5	42.0	62.0
Low noise mode	50/60Hz	58.0	54.0	49.5	44.5	44.0	44.5	43.0	39.0	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.

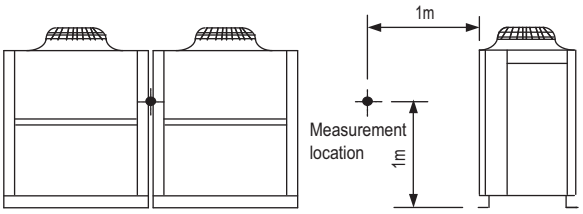
Sound level of PUHY-EP500YSJM-A(-BS)



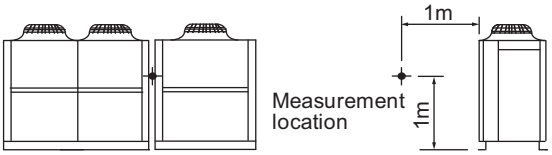
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	70.5	69.0	65.0	59.5	56.0	52.0	47.0	40.5	62.5
Low noise mode	50/60Hz	59.5	58.5	52.0	50.5	44.5	40.0	42.0	33.5	52.0

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

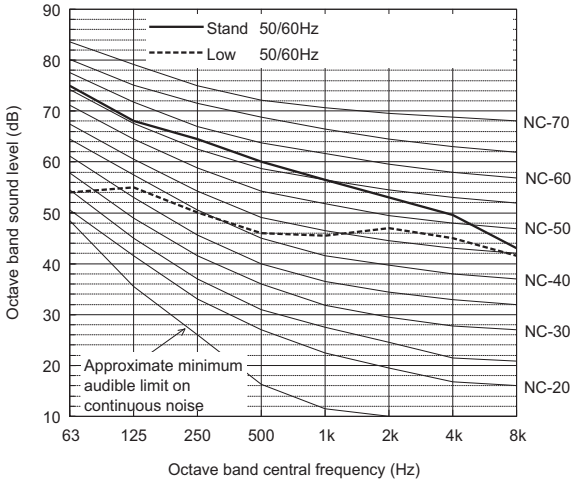
Measurement condition
PUHY-EP500YSJM-A1(-BS)



Measurement condition
PUHY-EP550YSJM-A(-BS)



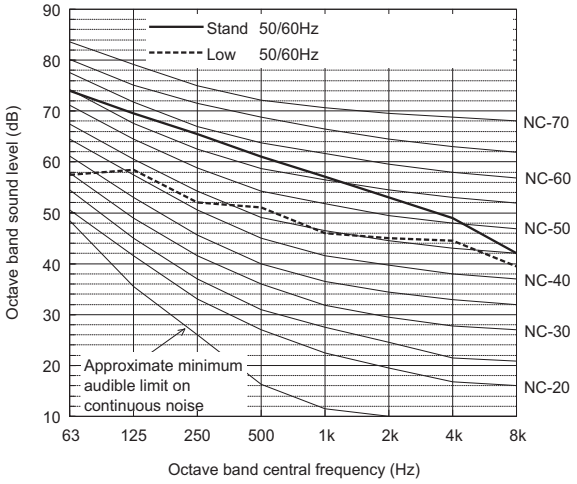
Sound level of PUHY-EP500YSJM-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	68.0	64.5	60.0	56.5	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.

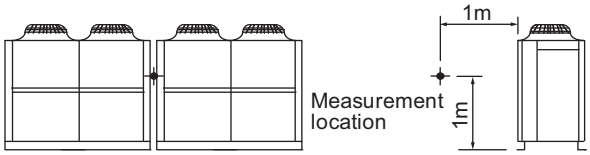
Sound level of PUHY-EP550YSJM-A(-BS)



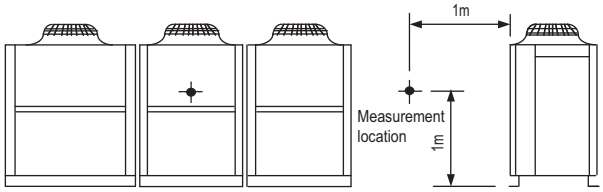
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	74.0	69.5	65.5	61.0	57.0	53.0	49.0	42.0	63.5
Low noise mode	50/60Hz	57.5	58.5	52.0	51.0	46.0	45.0	44.5	39.5	53.5

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

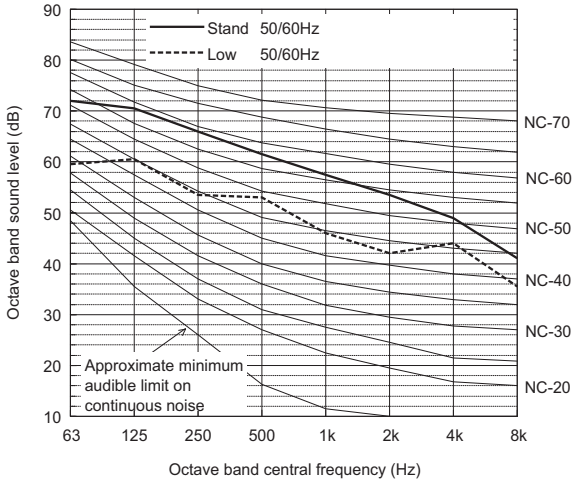
Measurement condition
PUHY-EP600YSJM-A(-BS)



Measurement condition
PUHY-EP650YSJM-A(-BS)



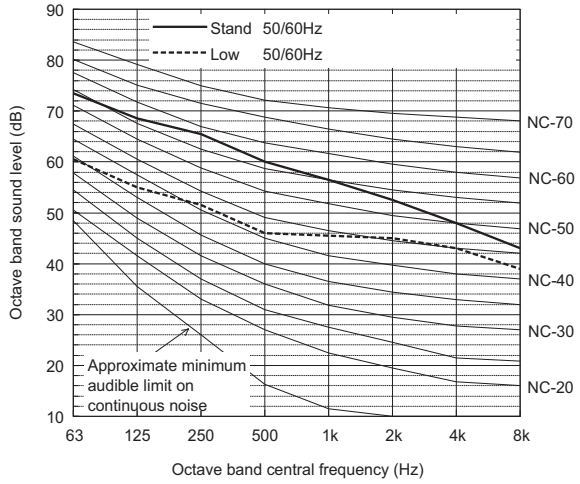
Sound level of PUHY-EP600YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	70.5	66.0	61.5	57.5	53.5	49.0	41.0	64.0
Low noise mode	50/60Hz	59.5	60.5	53.5	53.0	46.0	42.0	44.0	35.5	54.0

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.

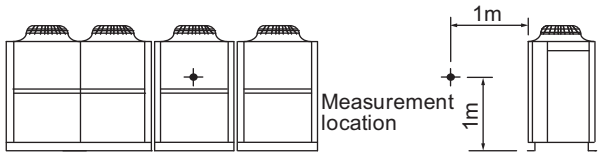
Sound level of PUHY-EP650YSJM-A(-BS)



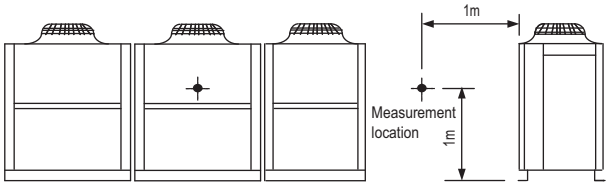
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.5	68.5	65.5	60.0	56.5	52.5	48.0	43.0	63.0
Low noise mode	50/60Hz	60.5	55.0	51.5	46.0	45.5	45.0	43.0	39.0	52.0

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

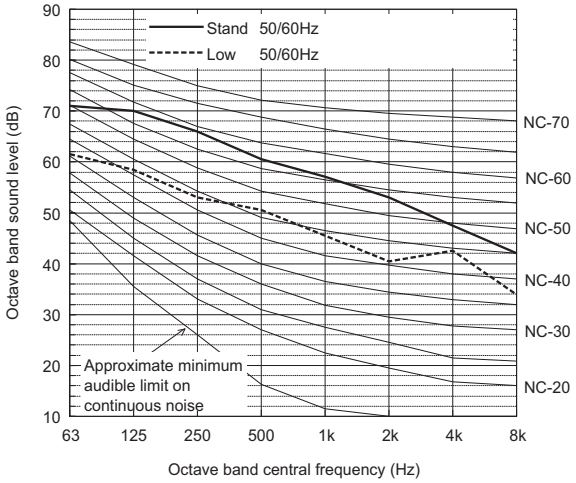
Measurement condition
PUHY-EP700YSJM-A(-BS)



Measurement condition
PUHY-EP700YSJM-A1(-BS)



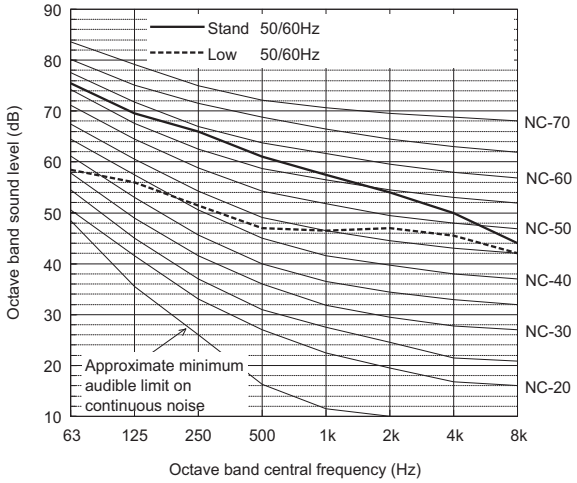
Sound level of PUHY-EP700YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	71.0	70.0	66.0	60.5	57.0	53.0	47.5	42.0	63.5
Low noise mode	50/60Hz	61.5	58.5	53.0	50.5	45.5	40.5	42.5	34.0	52.5

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.

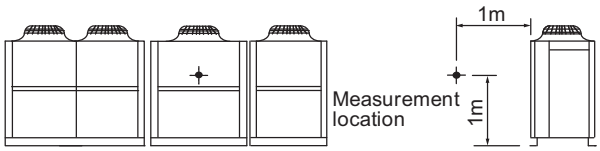
Sound level of PUHY-EP700YSJM-A1(-BS)



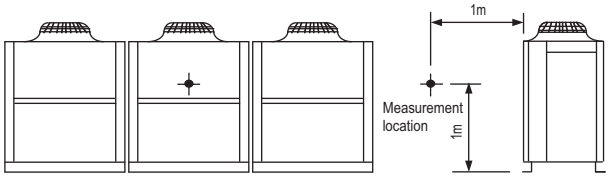
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	69.5	66.0	61.0	57.5	54.0	50.0	44.0	64.0
Low noise mode	50/60Hz	58.5	56.0	51.5	47.0	46.5	47.0	45.5	42.0	53.5

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

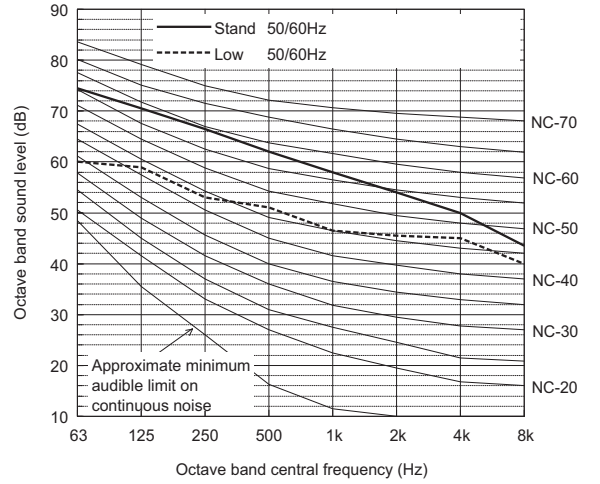
Measurement condition
PUHY-EP750YSJM-A(-BS)



Measurement condition
PUHY-EP750YSJM-A1(-BS)



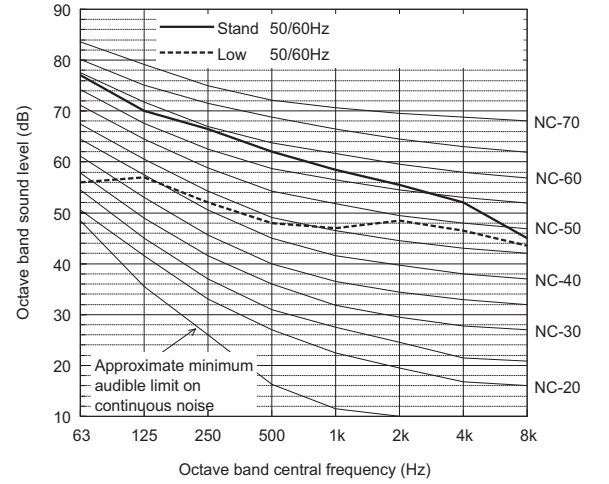
Sound level of PUHY-EP750YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	74.5	70.5	66.5	62.0	58.0	54.0	50.0	43.5	64.5
Low noise mode	50/60Hz	60.0	59.0	53.0	51.0	46.5	45.5	45.0	40.0	54.0

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.

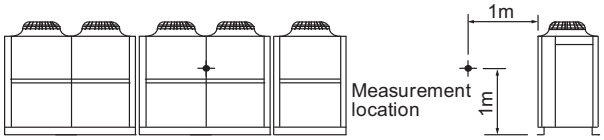
Sound level of PUHY-EP750YSJM-A1(-BS)



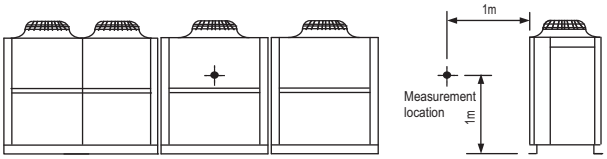
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	70.0	66.5	62.0	58.5	55.5	52.0	45.0	65.0
Low noise mode	50/60Hz	56.0	57.0	52.0	48.0	47.0	48.5	46.5	43.5	54.5

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.

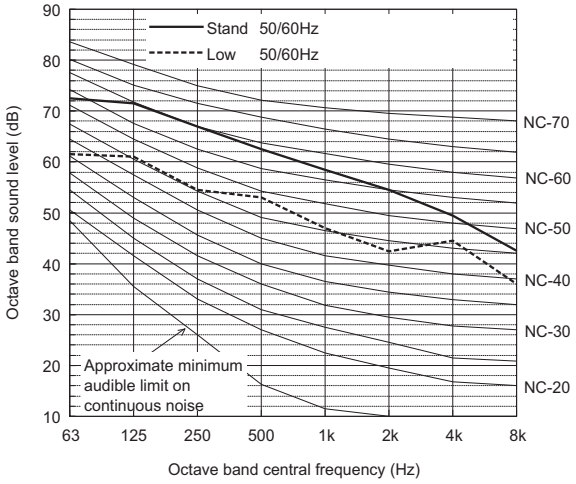
Measurement condition
PUHY-EP800YSJM-A(-BS)



Measurement condition
PUHY-EP800YSJM-A1(-BS)



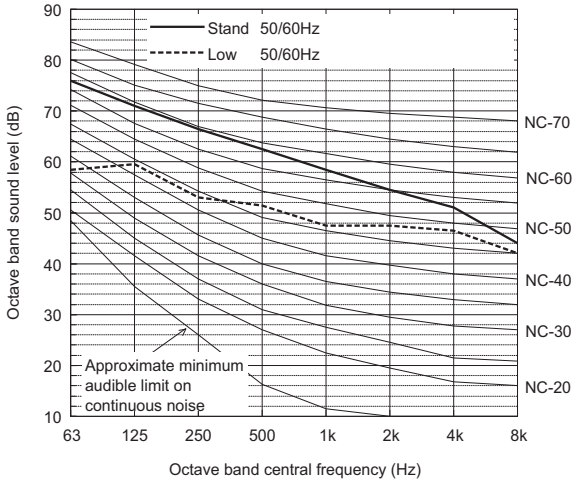
Sound level of PUHY-EP800YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.5	71.5	67.0	62.5	58.5	54.5	49.5	42.5	65.0
Low noise mode	50/60Hz	61.5	61.0	54.5	53.0	47.0	42.5	44.5	36.0	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 PUHY-EP800YSJM-A1(-BS)

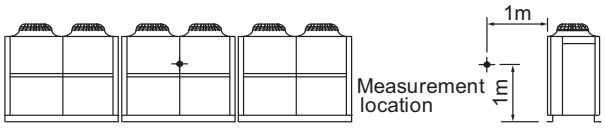


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	76.0	71.0	66.5	62.5	58.5	54.5	51.0	44.0	65.0
Low noise mode	50/60Hz	58.5	59.5	53.0	51.5	47.5	47.5	46.5	42.0	55.0

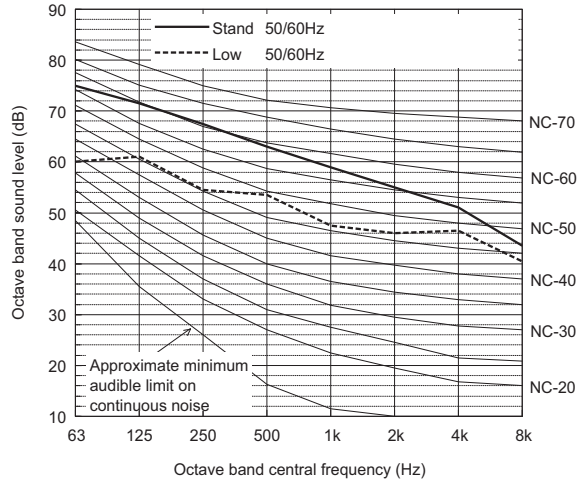
When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition
PUHY-EP850YSJM-A(-BS)

Measurement condition
PUHY-EP900YSJM-A(-BS)



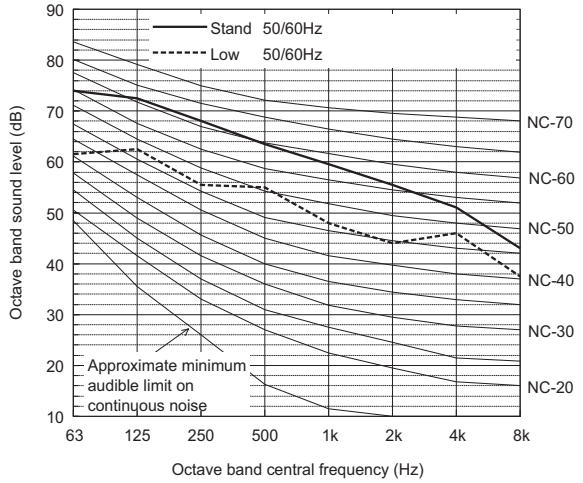
Sound level of PUHY-EP850YSJM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	71.5	67.5	63.0	59.0	55.0	51.0	43.5	65.5
Low noise mode	50/60Hz	60.0	61.0	54.5	53.5	47.5	46.0	46.5	40.5	55.5

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 PUHY-EP900YSJM-A(-BS)



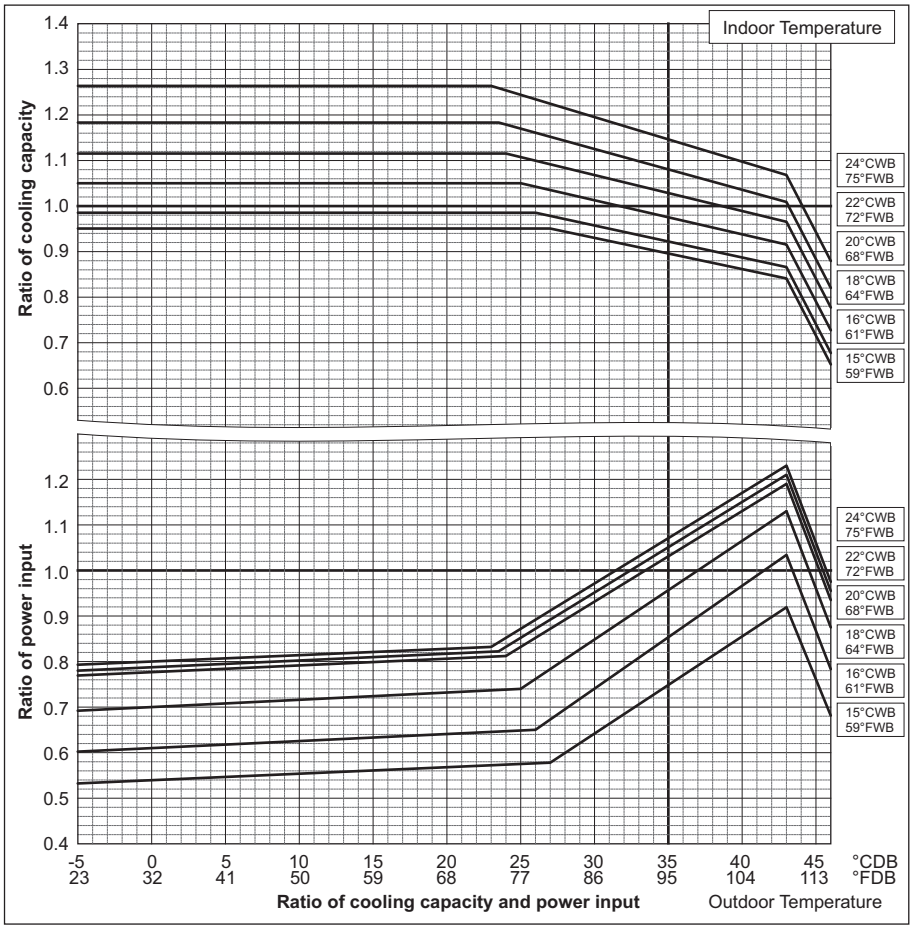
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	74.0	72.5	68.0	63.5	59.5	55.5	51.0	43.0	66.0
Low noise mode	50/60Hz	61.5	62.5	55.5	55.0	48.0	44.0	46.0	37.5	56.0

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

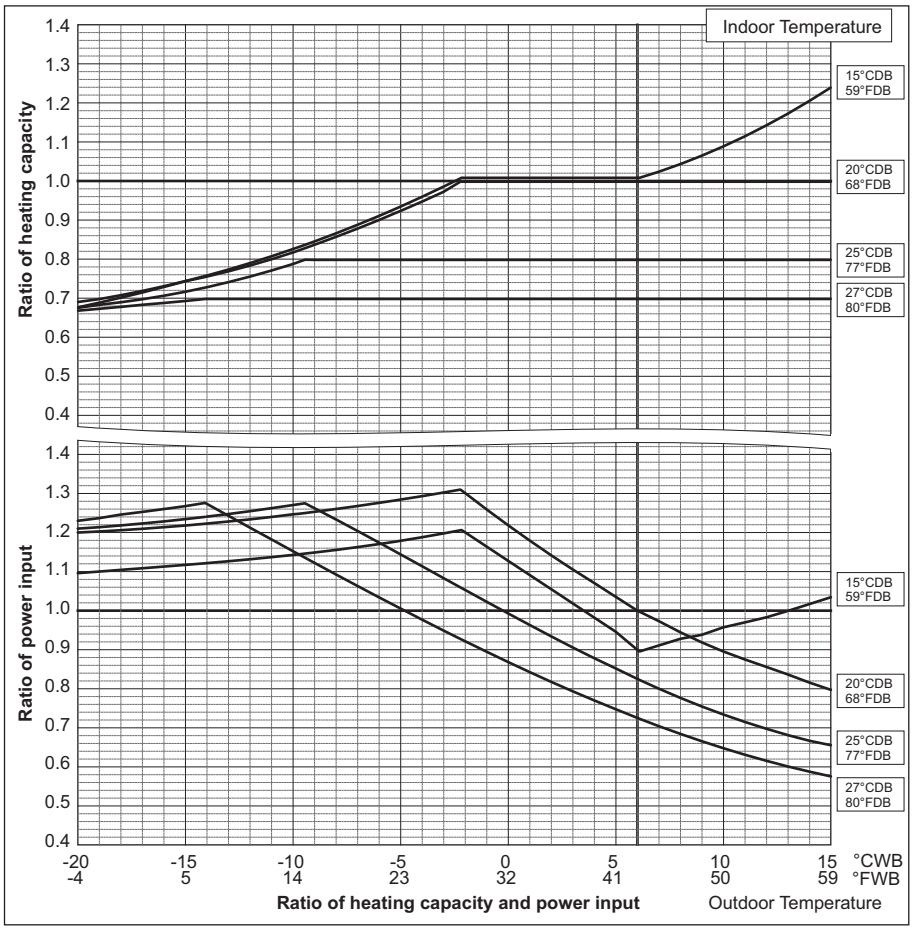
6-1. Correction by temperature

CITY MULTI could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

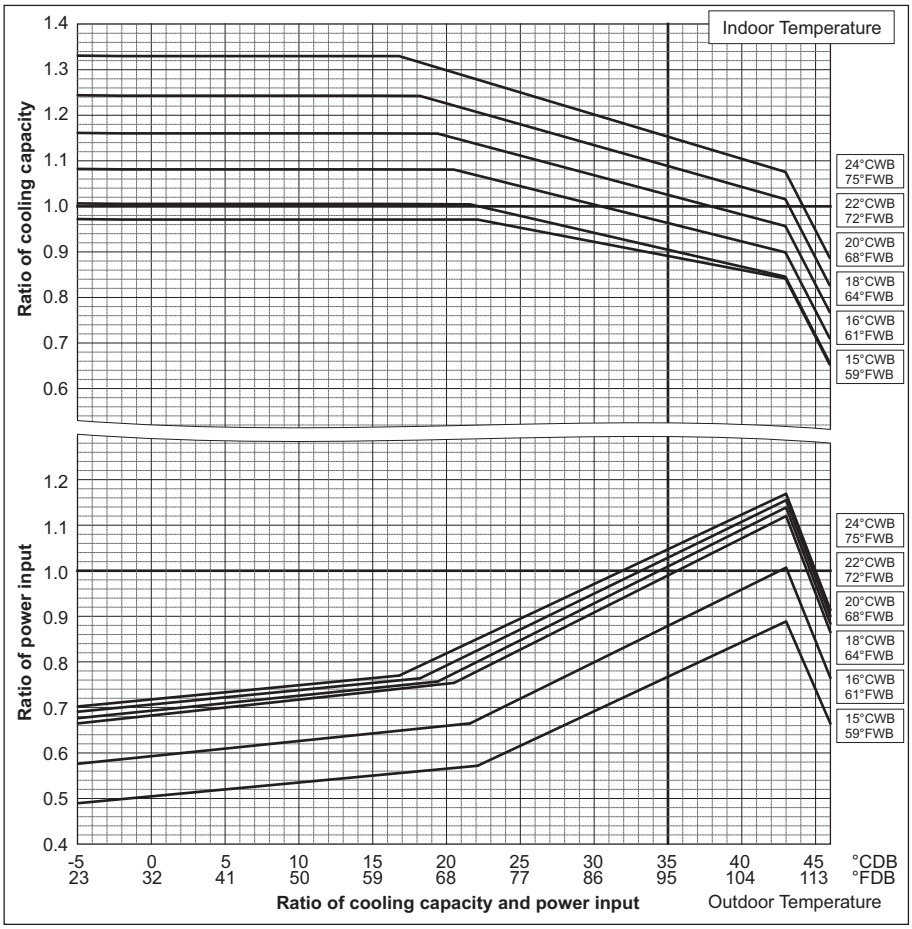
PUHY-		EP200YJM-A	EP250YJM-A
Nominal Cooling Capacity	kW	22.4	28.0
	BTU/h	76,400	95,500
Input	kW	5.09	6.73



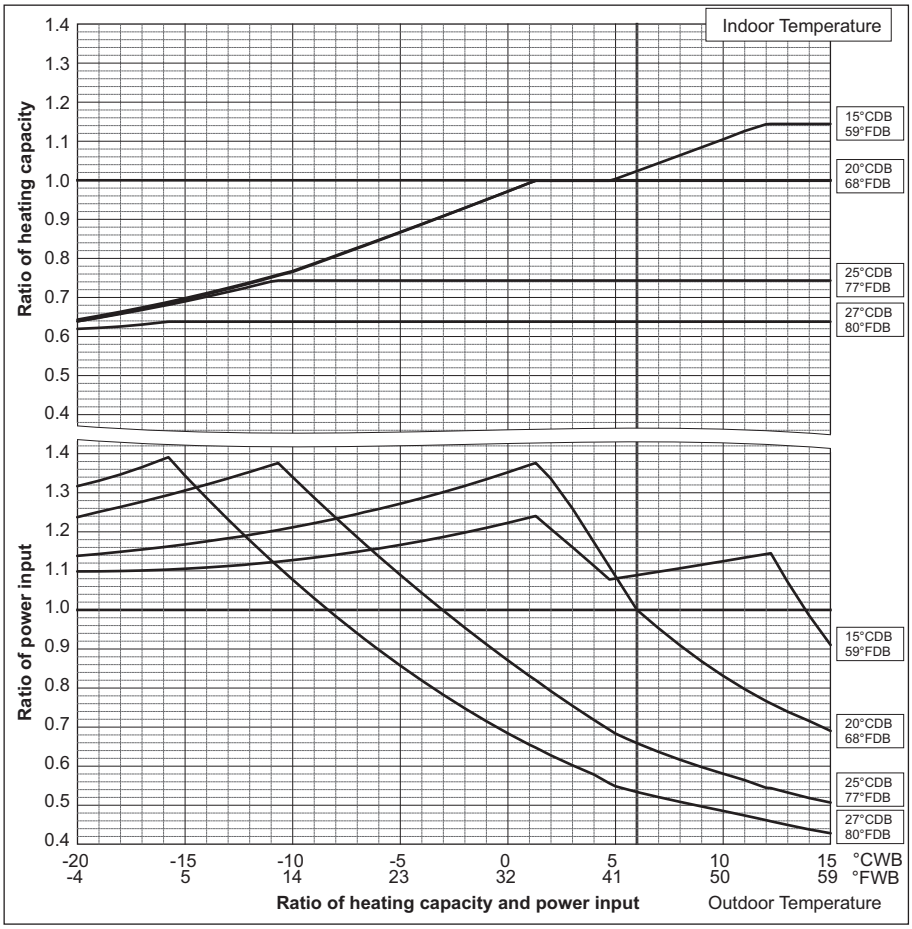
PUHY-		EP200YJM-A	EP250YJM-A
Nominal Heating Capacity	kW	25.0	31.5
	BTU/h	85,300	107,500
Input	kW	5.54	7.15



PUHY-		EP300YJM-A	EP400YSJM-A
Nominal Cooling Capacity	kW	33.5	45.0
	BTU/h	114,300	153,500
Input	kW	8.03	10.34



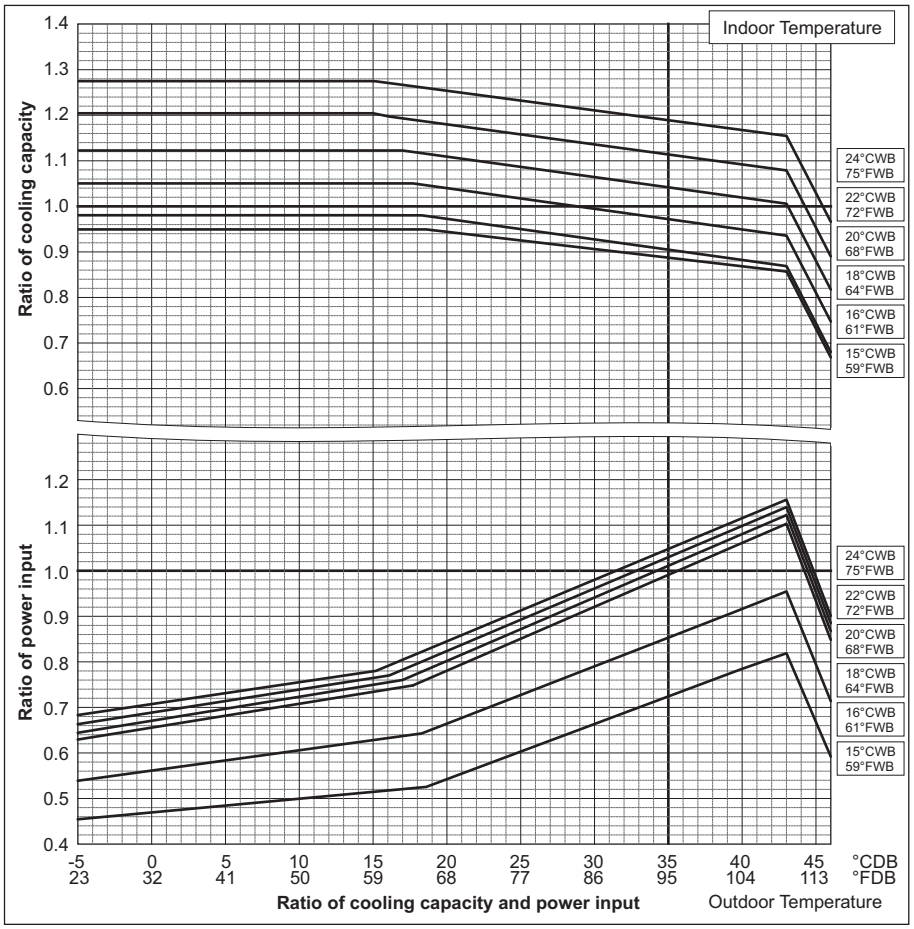
PUHY-		EP300YJM-A	EP400YSJM-A
Nominal Heating Capacity	kW	37.5	50.0
	BTU/h	128,000	170,600
Input	kW	8.37	11.41



PUHY-		EP450YSJM-A	EP500YSJM-A
Nominal Cooling Capacity	kW	50.0	56.0
	BTU/h	170,600	191,100
Input	kW	11.87	13.30

PUHY-		EP500YSJM-A1	EP550YSJM-A
Nominal Cooling Capacity	kW	56.0	63.0
	BTU/h	191,100	215,000
Input	kW	13.65	15.36

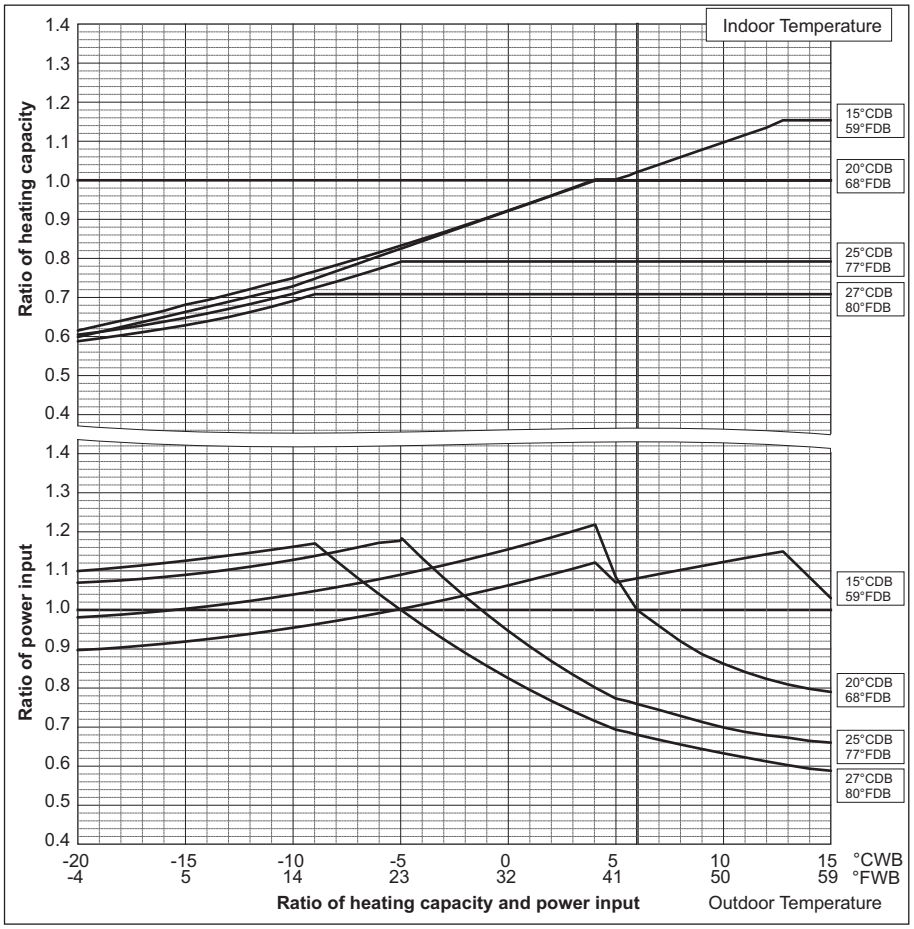
PUHY-		EP600YSJM-A	EP650YSJM-A
Nominal Cooling Capacity	kW	69.0	73.0
	BTU/h	235,400	249,100
Input	kW	16.82	17.46



PUHY-		EP450YSJM-A	EP500YSJM-A
Nominal Heating Capacity	kW	56.0	63.0
	BTU/h	191,000	215,000
Input	kW	12.90	14.28

PUHY-		EP500YSJM-A1	EP550YSJM-A
Nominal Heating Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	14.54	15.78

PUHY-		EP600YSJM-A	EP650YSJM-A
Nominal Heating Capacity	kW	76.5	81.5
	BTU/h	261,000	278,100
Input	kW	17.30	18.56

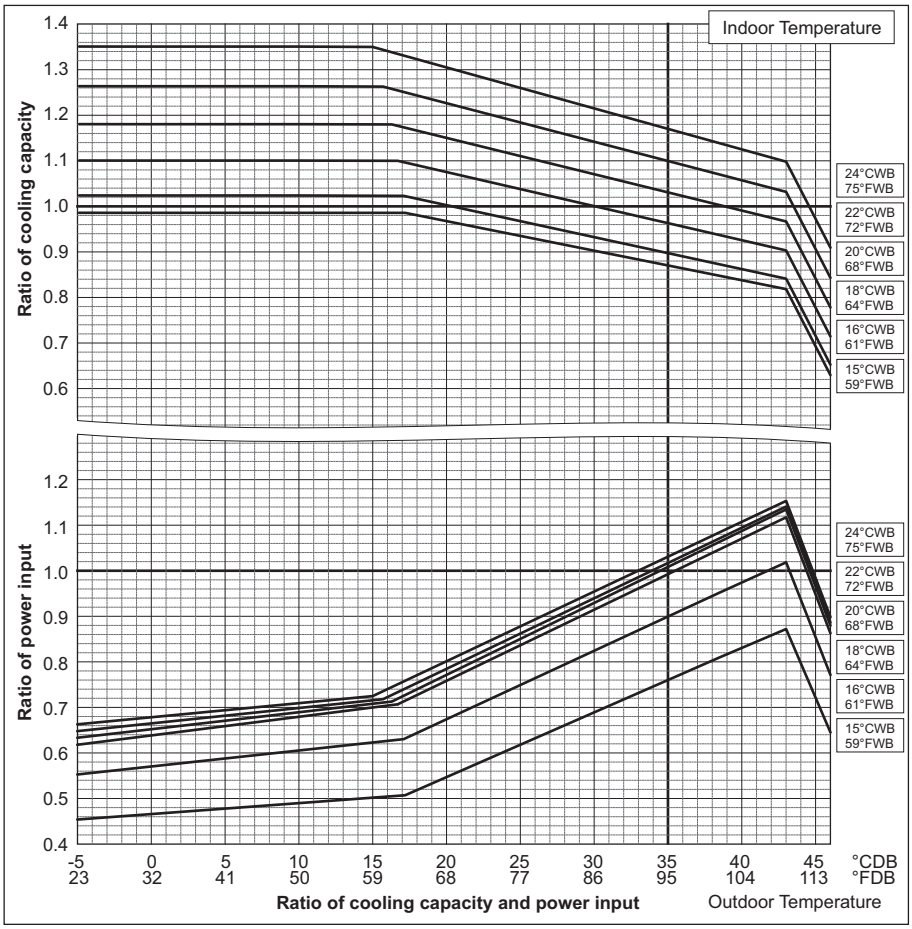


6. CAPACITY TABLES

PUHY-		EP700YSJM-A	EP700YSJM-A1
Nominal Cooling Capacity	kW	80.0	80.0
	BTU/h	273,000	273,000
Input	kW	19.13	19.41

PUHY-		EP750YSJM-A	EP750YSJM-A1
Nominal Cooling Capacity	kW	85.0	85.0
	BTU/h	290,000	290,000
Input	kW	20.43	20.93

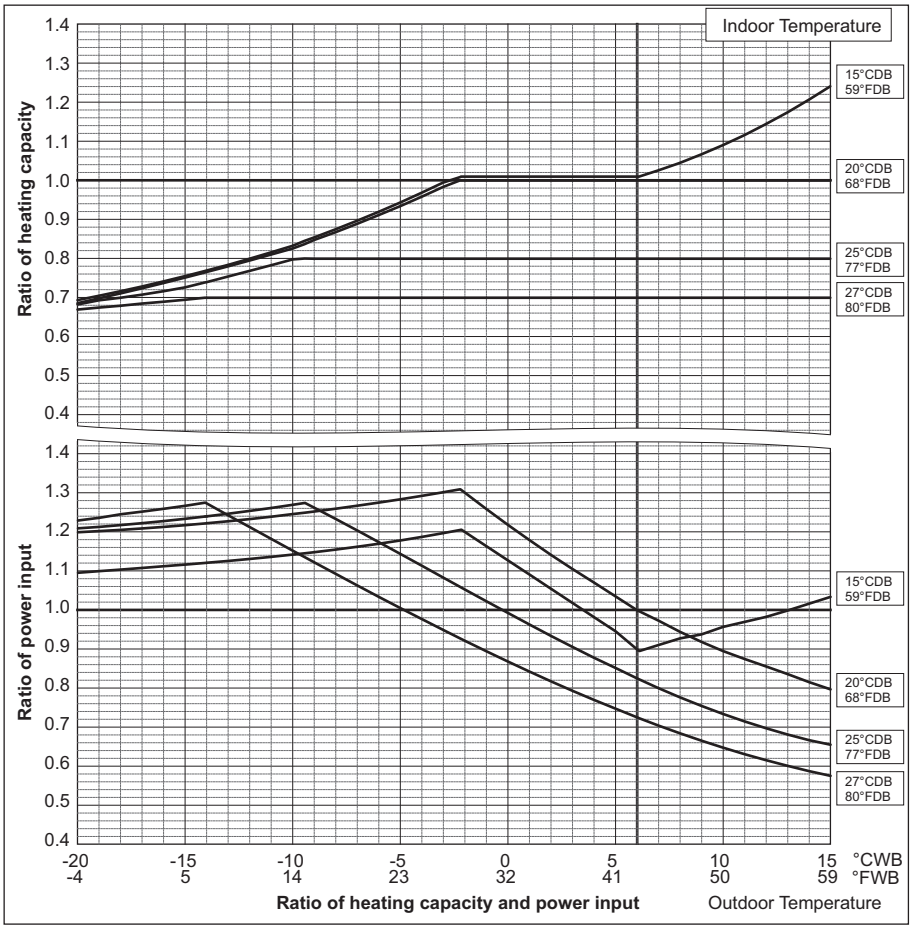
PUHY-		EP800YSJM-A	EP800YSJM-A1
Nominal Cooling Capacity	kW	90.0	90.0
	BTU/h	307,100	307,100
Input	kW	21.63	22.16



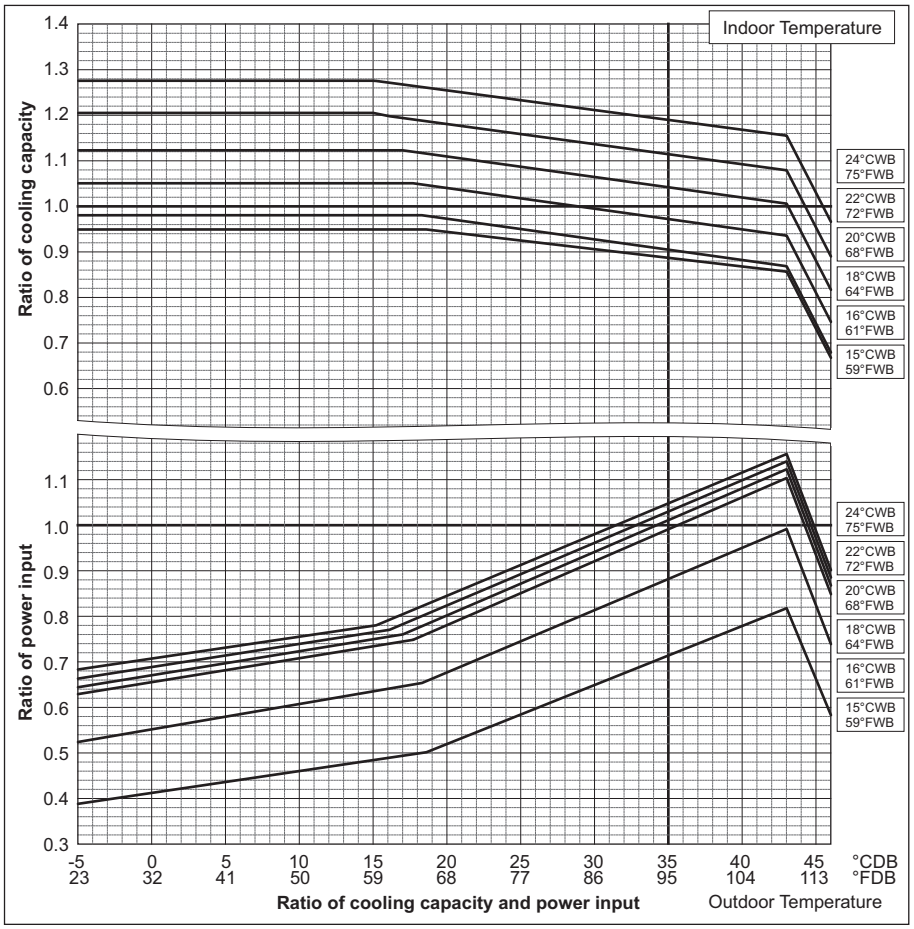
PUHY-		EP700YSJM-A	EP700YSJM-A1
Nominal Heating Capacity	kW	88.0	88.0
	BTU/h	300,300	300,300
Input	kW	20.00	20.32

PUHY-		EP750YSJM-A	EP750YSJM-A1
Nominal Heating Capacity	kW	95.0	95.0
	BTU/h	324,100	324,100
Input	kW	21.93	21.78

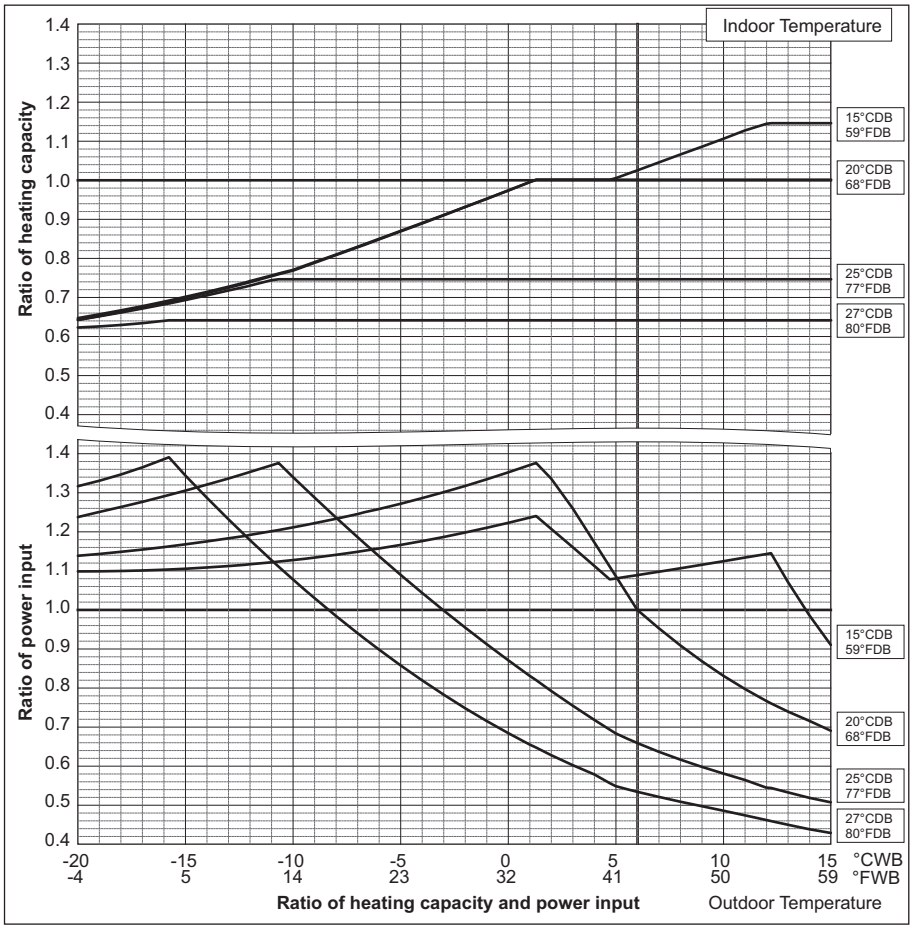
PUHY-		EP800YSJM-A	EP800YSJM-A1
Nominal Heating Capacity	kW	100.0	100.0
	BTU/h	341,200	341,200
Input	kW	22.77	22.98



PUHY-		EP850YSJM-A	EP900YSJM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	23.58	24.81



PUHY-		EP850YSJM-A	EP900YSJM-A
Nominal Heating Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	24.65	25.50



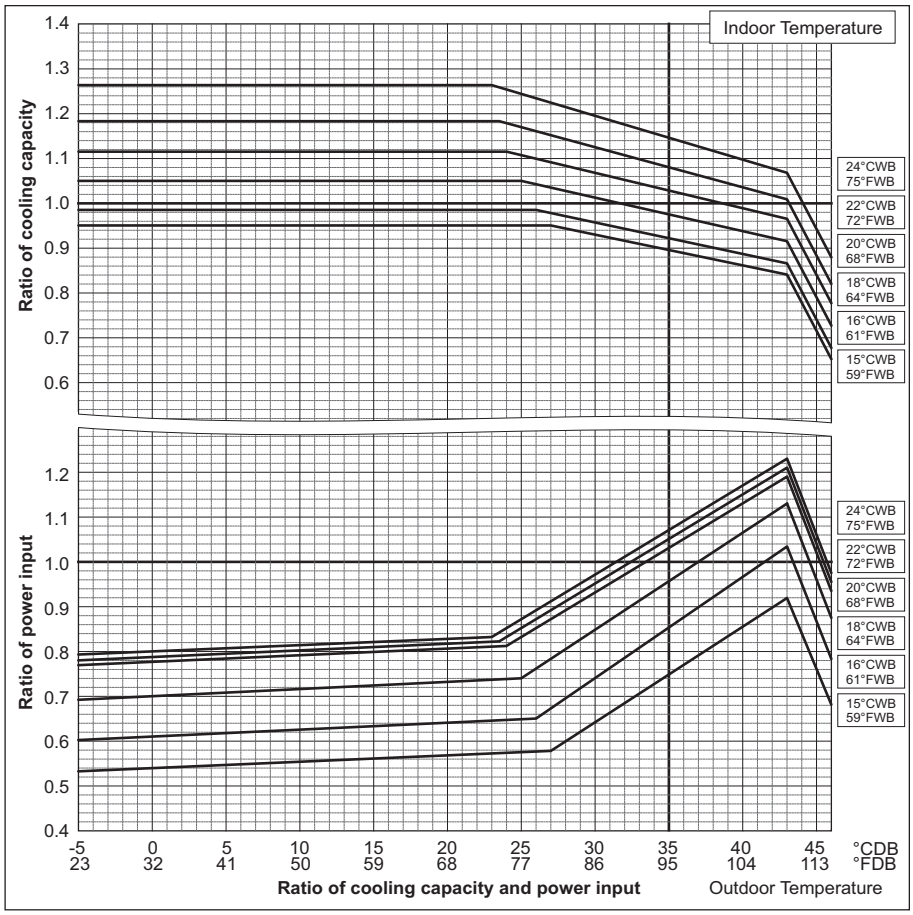
Correction by temperature (COP Priority Mode)

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.

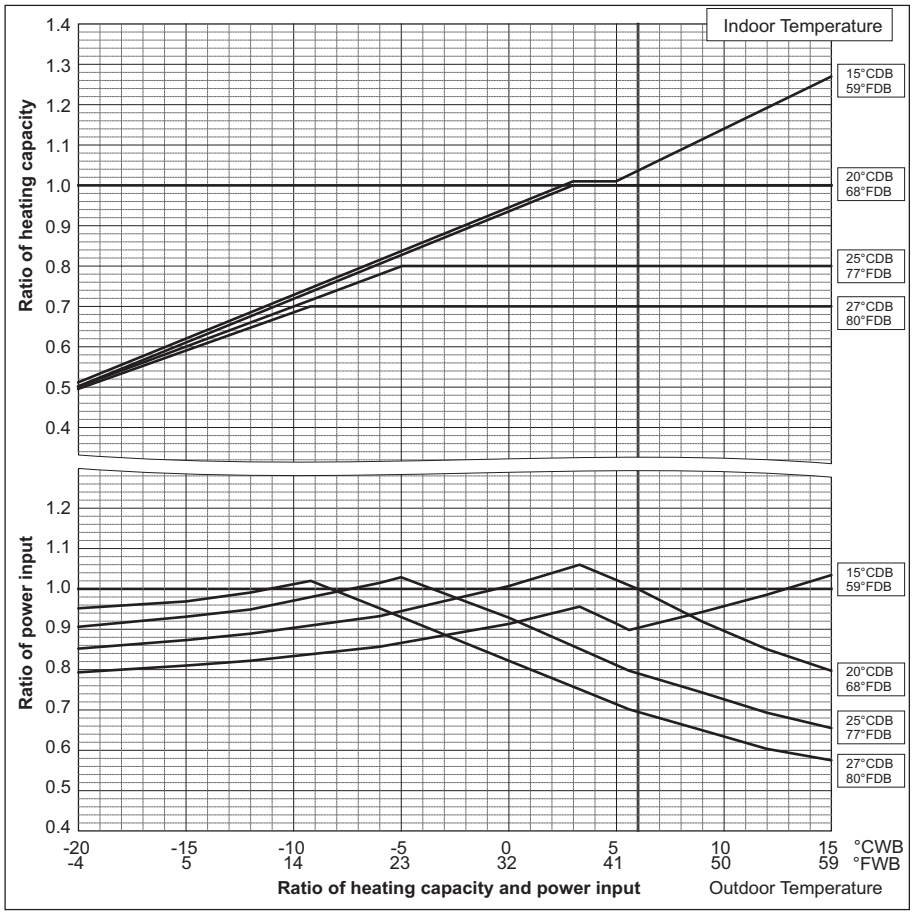
To select COP priority mode, DipSW 3-7 must be set to ON.

PUHY-		EP200YJM-A	EP250YJM-A
Nominal Cooling Capacity	kW	22.4	28.0
	BTU/h	76,400	95,500
Input	kW	5.09	6.73

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

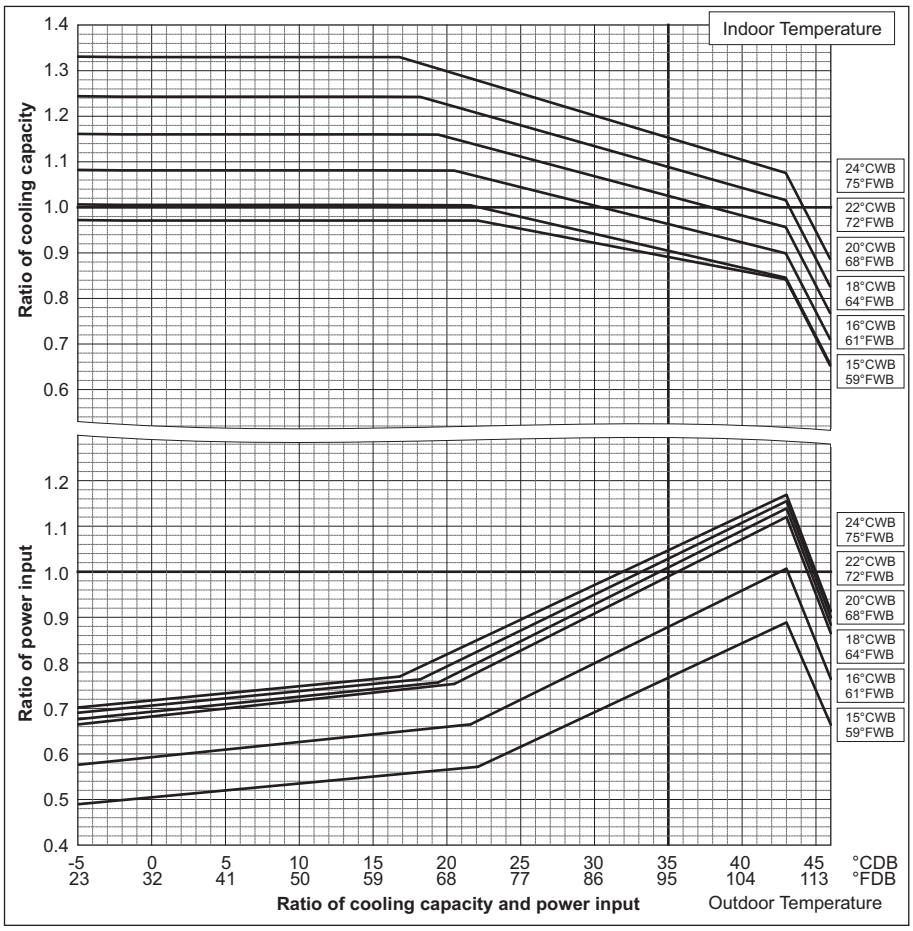


PUHY-		EP200YJM-A	EP250YJM-A
Nominal Heating Capacity	kW	25.0	31.5
	BTU/h	85,300	107,500
Input	kW	5.54	7.15

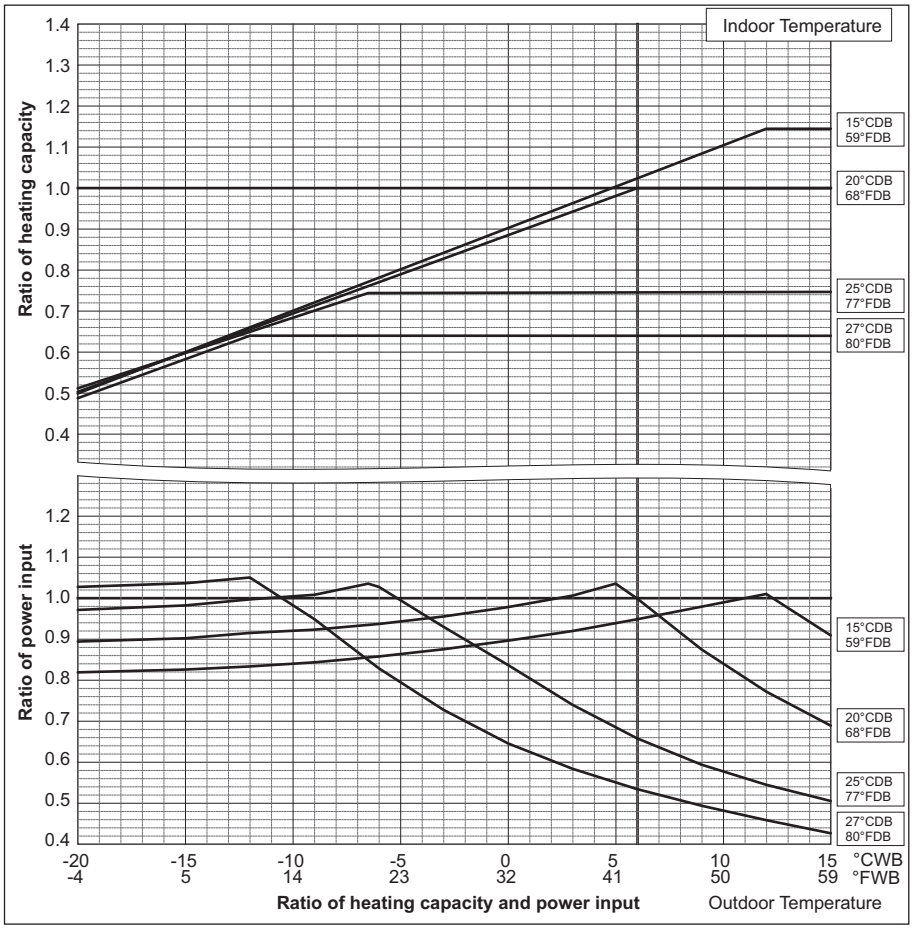


PUHY-		EP300YJM-A	EP400YSJM-A
Nominal Cooling Capacity	kW	33.5	45.0
	BTU/h	114,300	153,500
Input	kW	8.03	10.34

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



PUHY-		EP300YJM-A	EP400YSJM-A
Nominal Heating Capacity	kW	37.5	50.0
	BTU/h	128,000	170,600
Input	kW	8.37	11.41



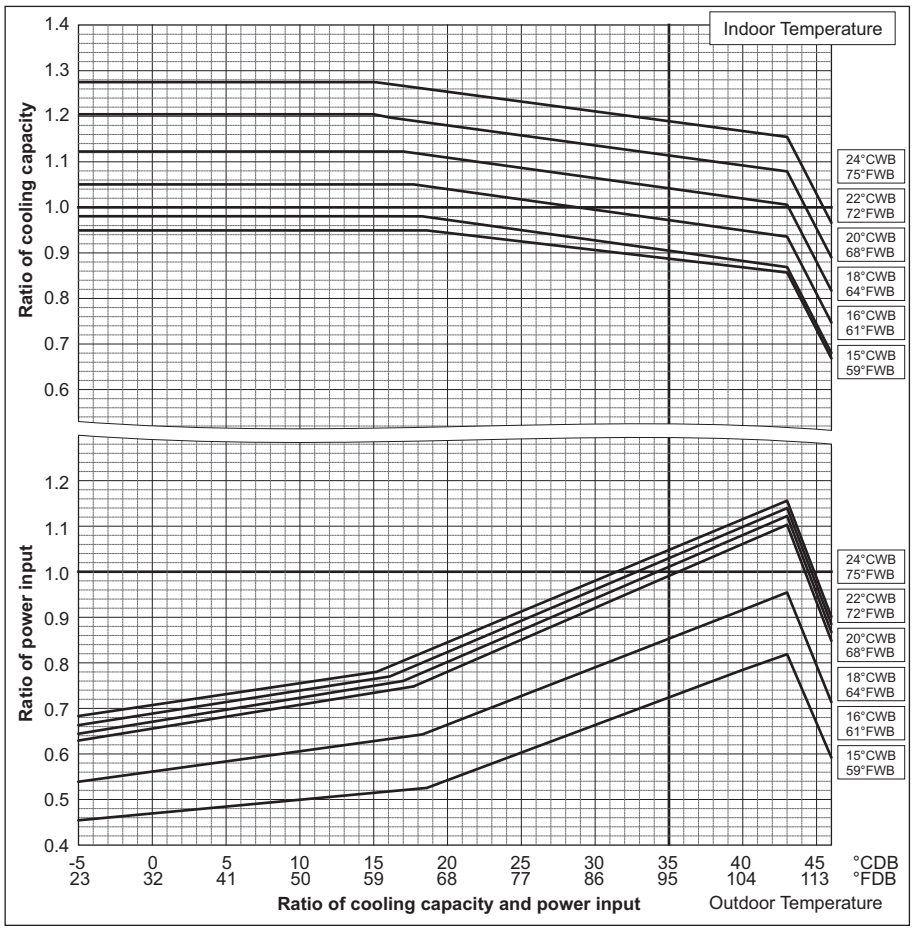
6. CAPACITY TABLES

PUHY-		EP450YSJM-A	EP500YSJM-A
Nominal Cooling Capacity	kW	50.0	56.0
	BTU/h	170,600	191,100
Input	kW	11.87	13.30

PUHY-		EP500YSJM-A1	EP550YSJM-A
Nominal Cooling Capacity	kW	56.0	63.0
	BTU/h	191,100	215,000
Input	kW	13.65	15.36

PUHY-		EP600YSJM-A	EP650YSJM-A
Nominal Cooling Capacity	kW	69.0	73.0
	BTU/h	235,400	249,100
Input	kW	16.82	17.46

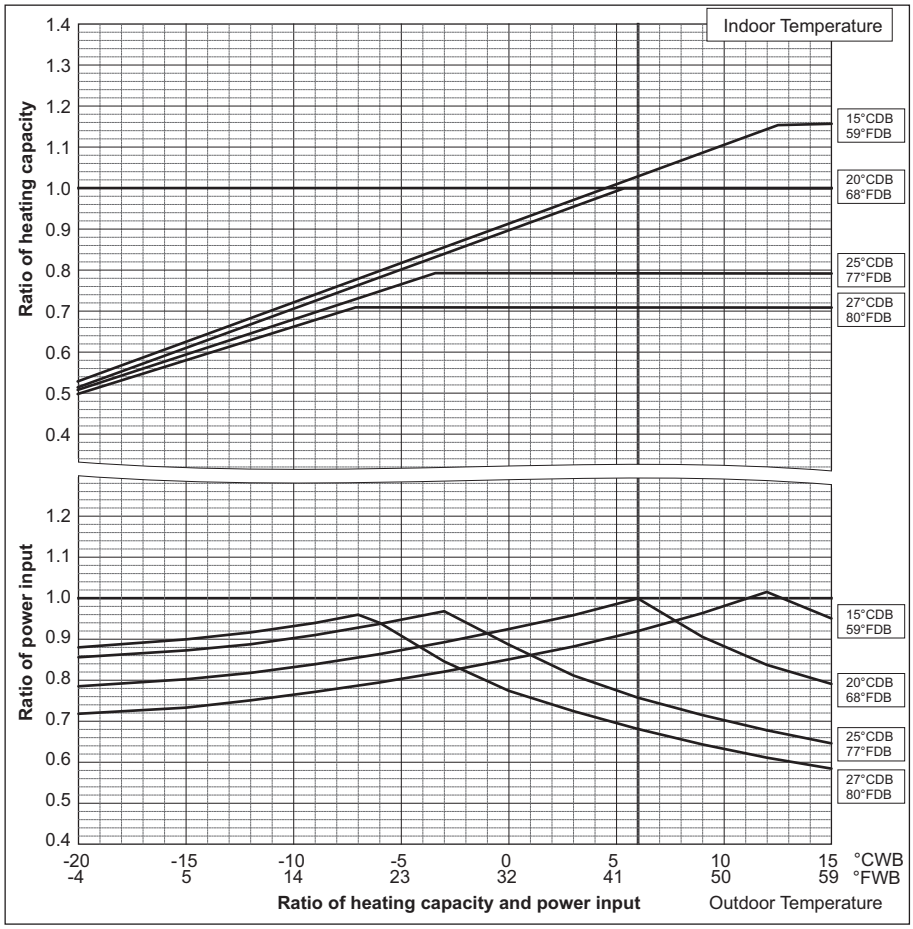
(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PUHY-		EP450YSJM-A	EP500YSJM-A
Nominal Heating Capacity	kW	56.0	63.0
	BTU/h	191,000	215,000
Input	kW	12.90	14.28

PUHY-		EP500YSJM-A1	EP550YSJM-A
Nominal Heating Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	14.54	15.78

PUHY-		EP600YSJM-A	EP650YSJM-A
Nominal Heating Capacity	kW	76.5	81.5
	BTU/h	261,000	278,100
Input	kW	17.30	18.56



Y(HIGH COP)

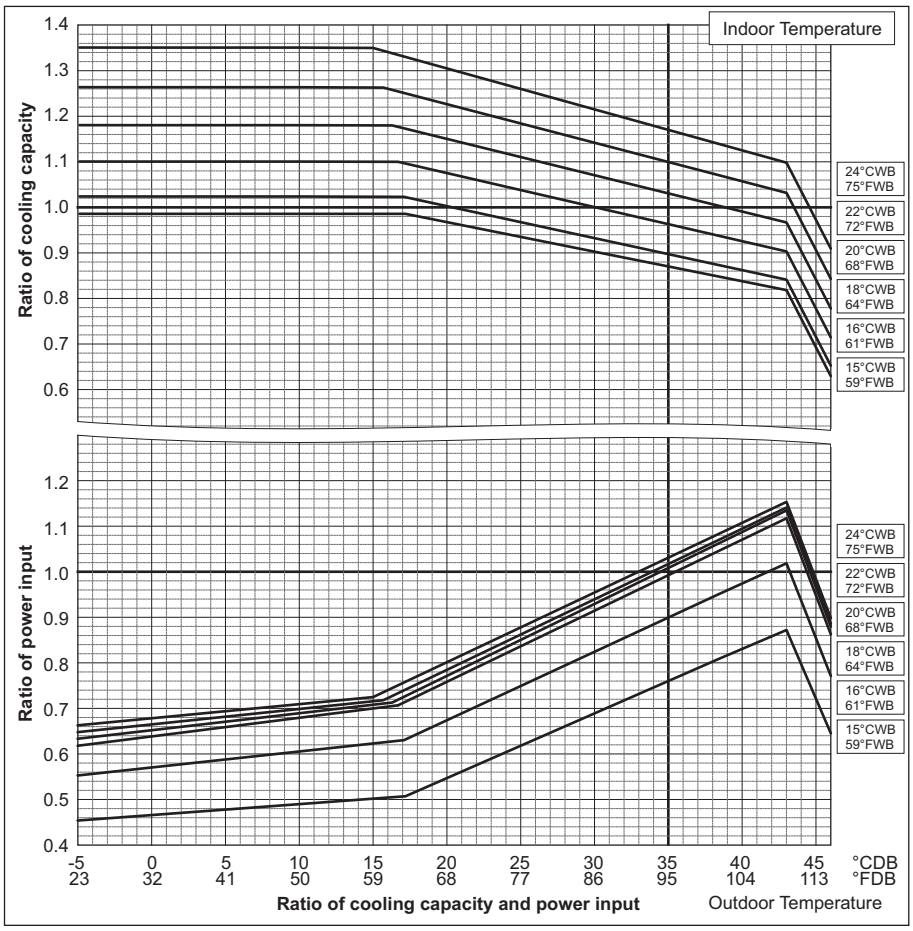
6. CAPACITY TABLES

PUHY-		EP700YSJM-A	EP700YSJM-A1
Nominal Cooling Capacity	kW	80.0	80.0
	BTU/h	273,000	273,000
Input	kW	19.13	19.41

PUHY-		EP750YSJM-A	EP750YSJM-A1
Nominal Cooling Capacity	kW	85.0	85.0
	BTU/h	290,000	290,000
Input	kW	20.43	20.93

PUHY-		EP800YSJM-A	EP800YSJM-A1
Nominal Cooling Capacity	kW	90.0	90.0
	BTU/h	307,100	307,100
Input	kW	21.63	22.16

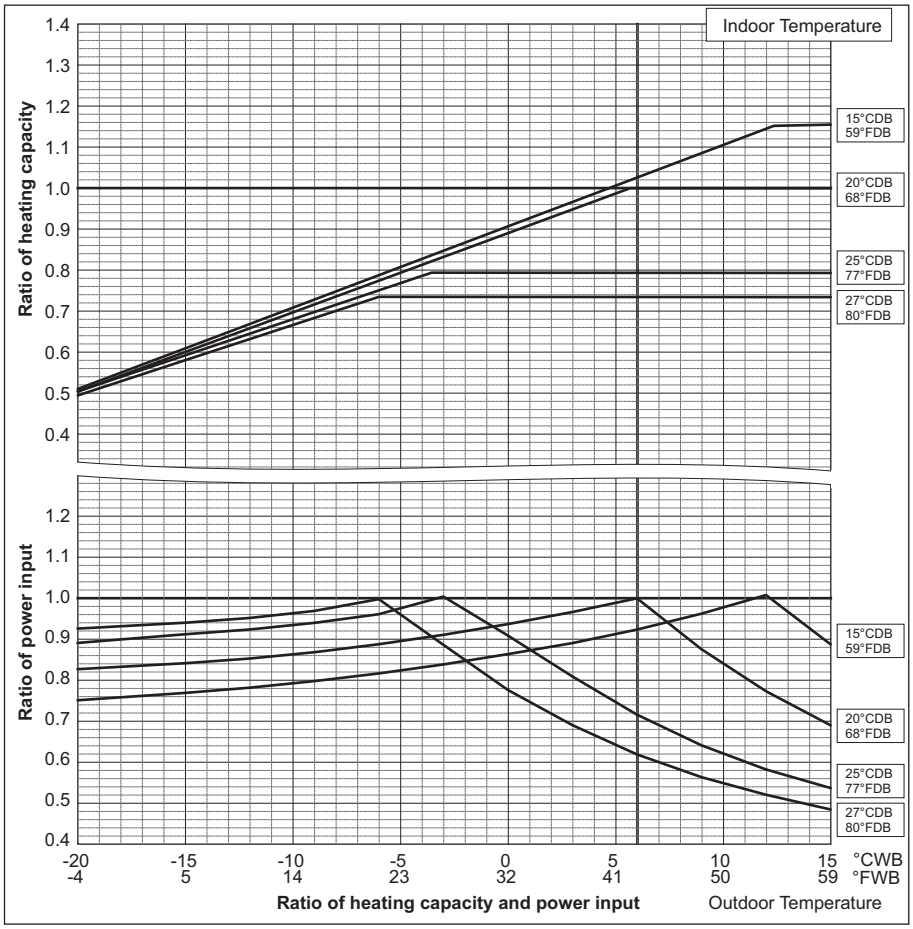
(There is no difference in cooling performance between Standard Mode and COP Priority Mode.)



PUHY-		EP700YSJM-A	EP700YSJM-A1
Nominal Heating Capacity	kW	88.0	88.0
	BTU/h	300,300	300,300
Input	kW	20.00	20.32

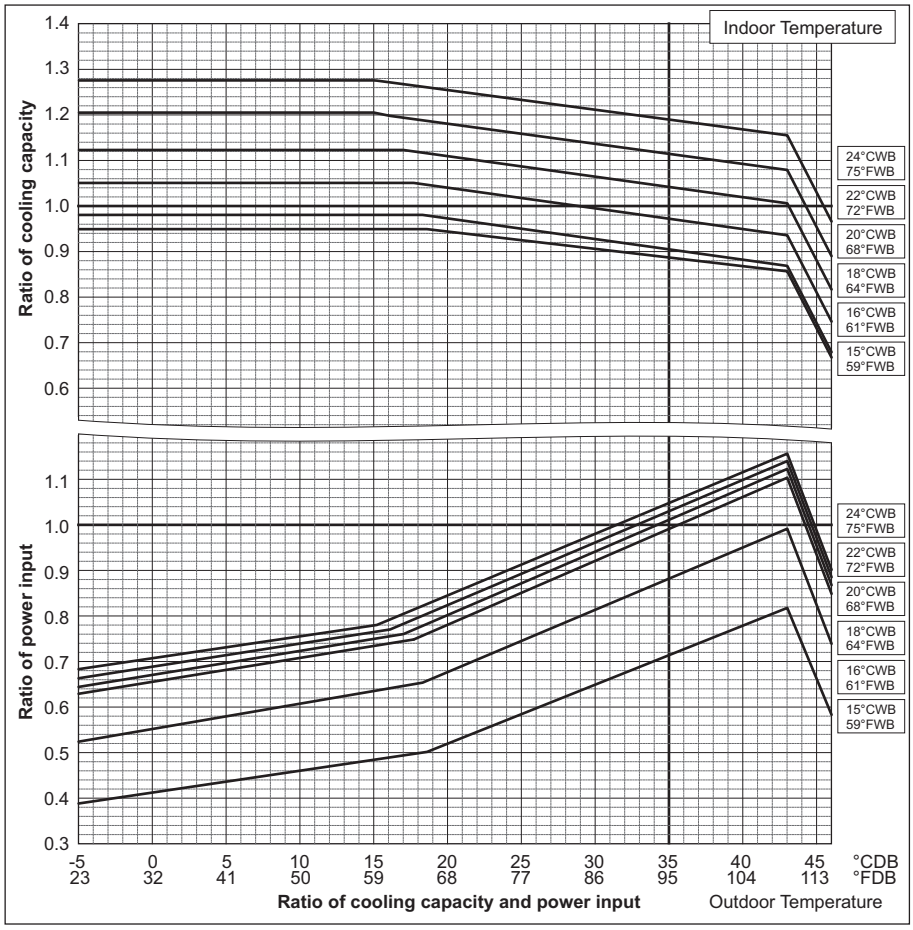
PUHY-		EP750YSJM-A	EP750YSJM-A1
Nominal Heating Capacity	kW	95.0	95.0
	BTU/h	324,100	324,100
Input	kW	21.93	21.78

PUHY-		EP800YSJM-A	EP800YSJM-A1
Nominal Heating Capacity	kW	100.0	100.0
	BTU/h	341,200	341,200
Input	kW	22.77	22.98

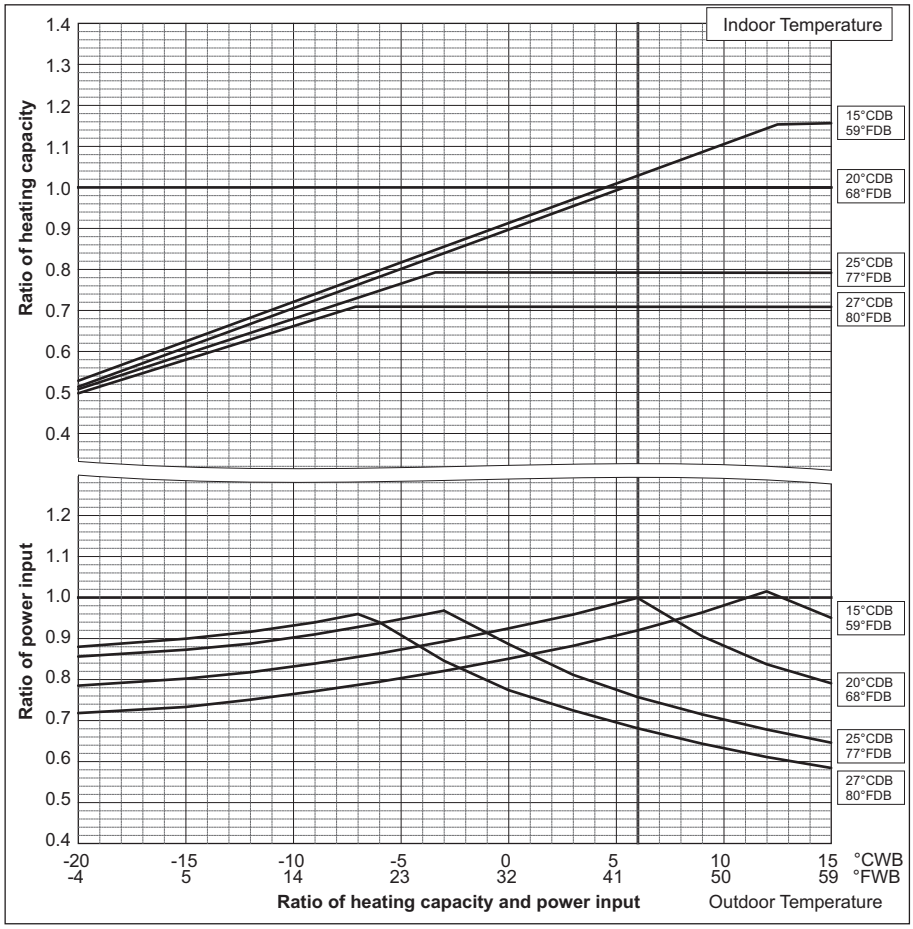


PUHY-		EP850YSJM-A	EP900YSJM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	23.58	24.81

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



PUHY-		EP850YSJM-A	EP900YSJM-A
Nominal Heating Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	24.65	25.50



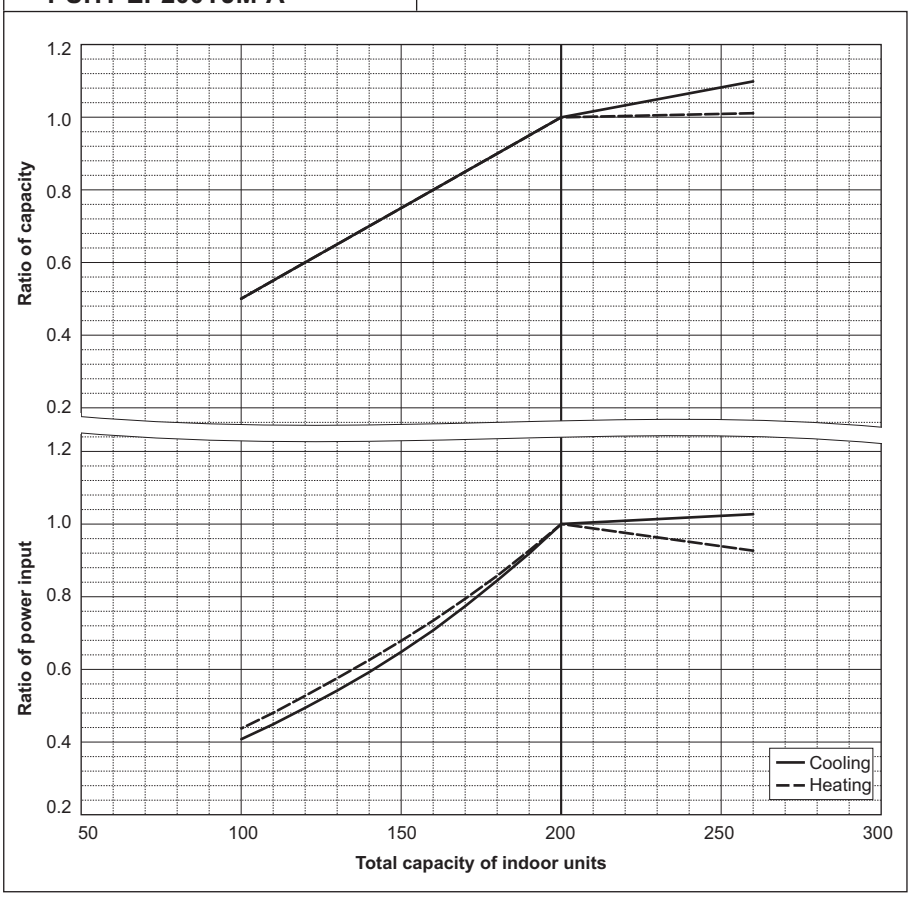
6-2. Correction by total indoor

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.

PUHY-EP200YJM-A		
Nominal Cooling Capacity	kW	22.4
	BTU/h	76,400
Input	kW	5.09

PUHY-EP200YJM-A		
Nominal Heating Capacity	kW	25.0
	BTU/h	85,300
Input	kW	5.54

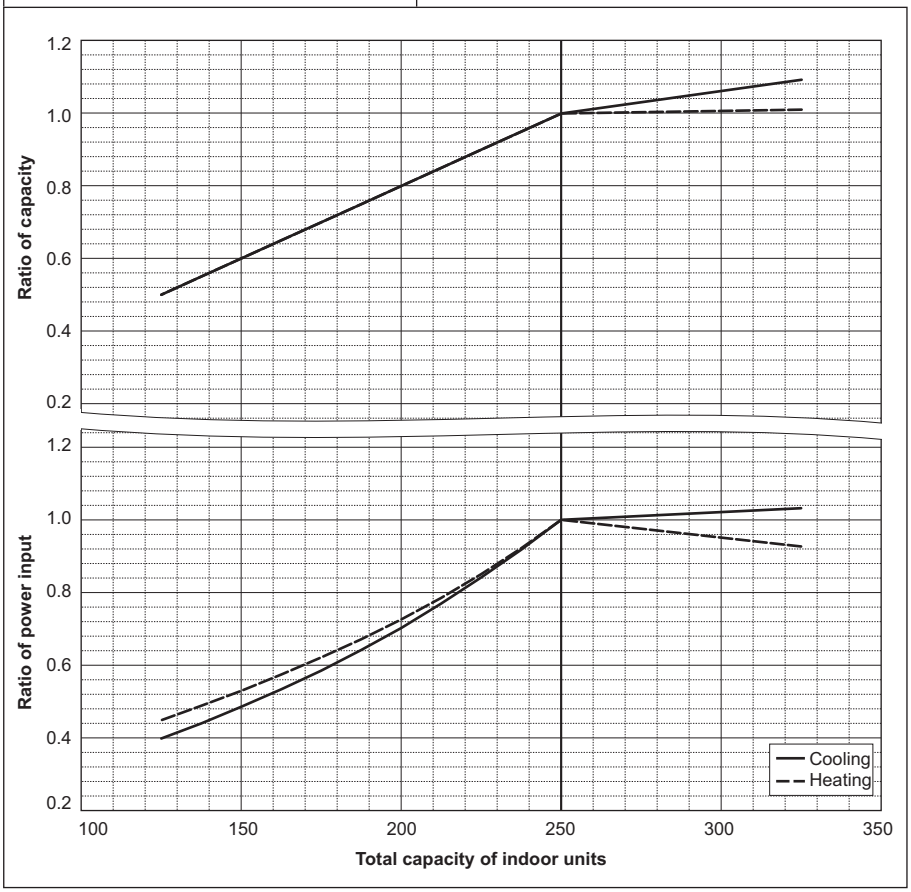
PUHY-EP200YJM-A



PUHY-EP250YJM-A		
Nominal Cooling Capacity	kW	28.0
	BTU/h	95,500
Input	kW	6.73

PUHY-EP250YJM-A		
Nominal Heating Capacity	kW	31.5
	BTU/h	107,500
Input	kW	7.15

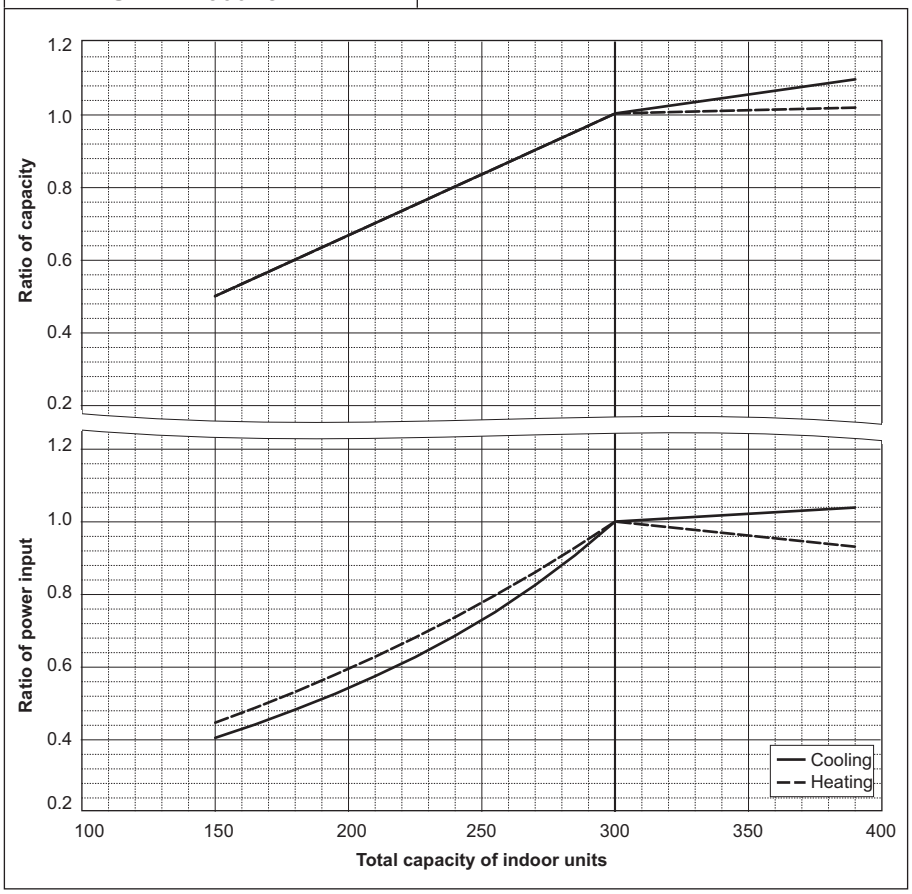
PUHY-EP250YJM-A



PUHY-EP300YJM-A		
Nominal Cooling Capacity	kW	33.5
	BTU/h	114,300
Input	kW	8.03

PUHY-EP300YJM-A		
Nominal Heating Capacity	kW	37.5
	BTU/h	128,000
Input	kW	8.37

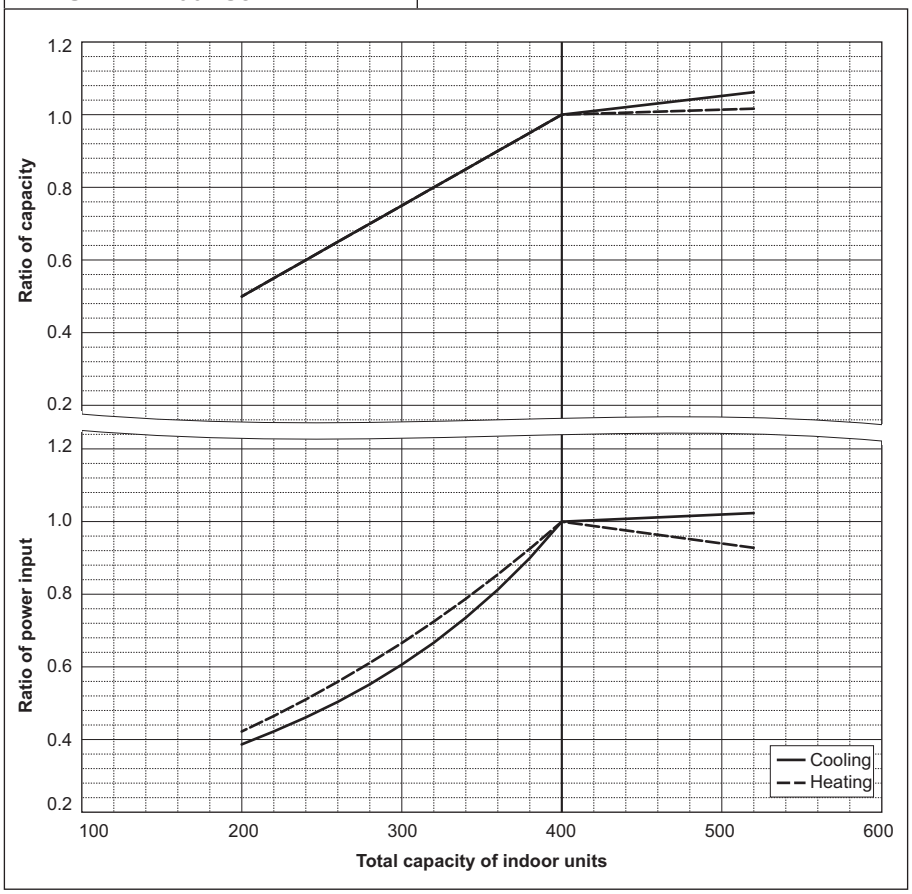
PUHY-EP300YJM-A



PUHY-EP400YSJM-A		
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	10.34

PUHY-EP400YSJM-A		
Nominal Heating Capacity	kW	50.0
	BTU/h	170,600
Input	kW	11.41

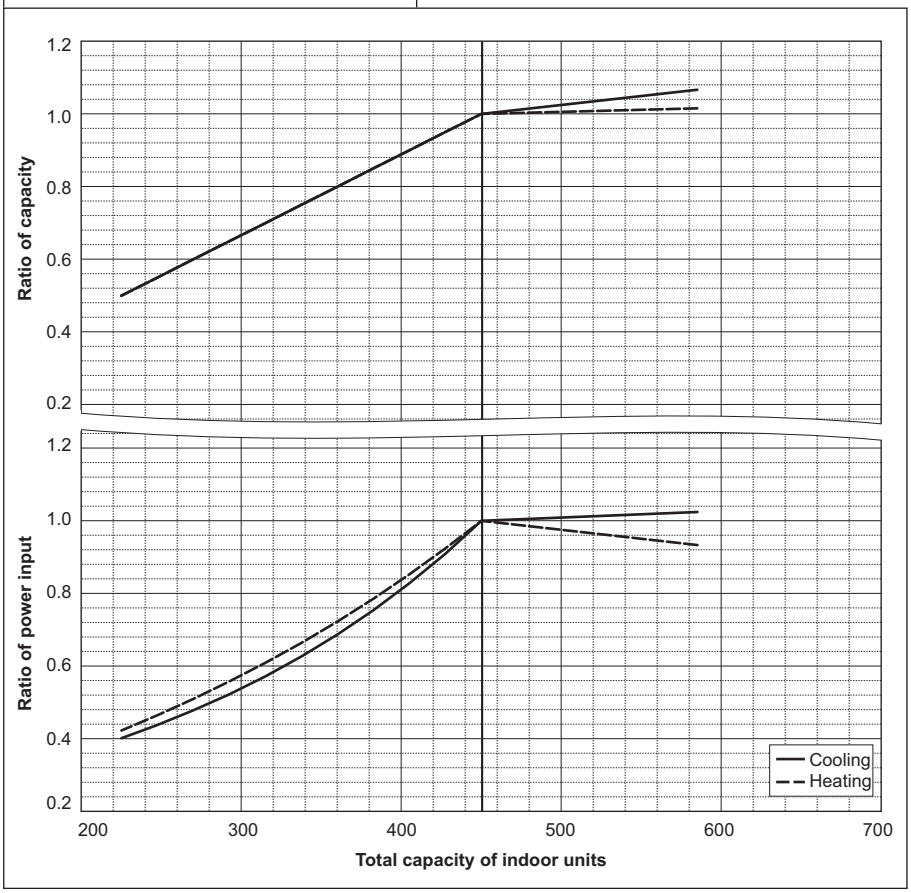
PUHY-EP400YSJM-A



PUHY-EP450YSJM-A		
Nominal Cooling Capacity	kW	50.0
	BTU/h	170,600
Input	kW	11.87

PUHY-EP450YSJM-A		
Nominal Heating Capacity	kW	56.0
	BTU/h	191,100
Input	kW	12.90

PUHY-EP450YSJM-A



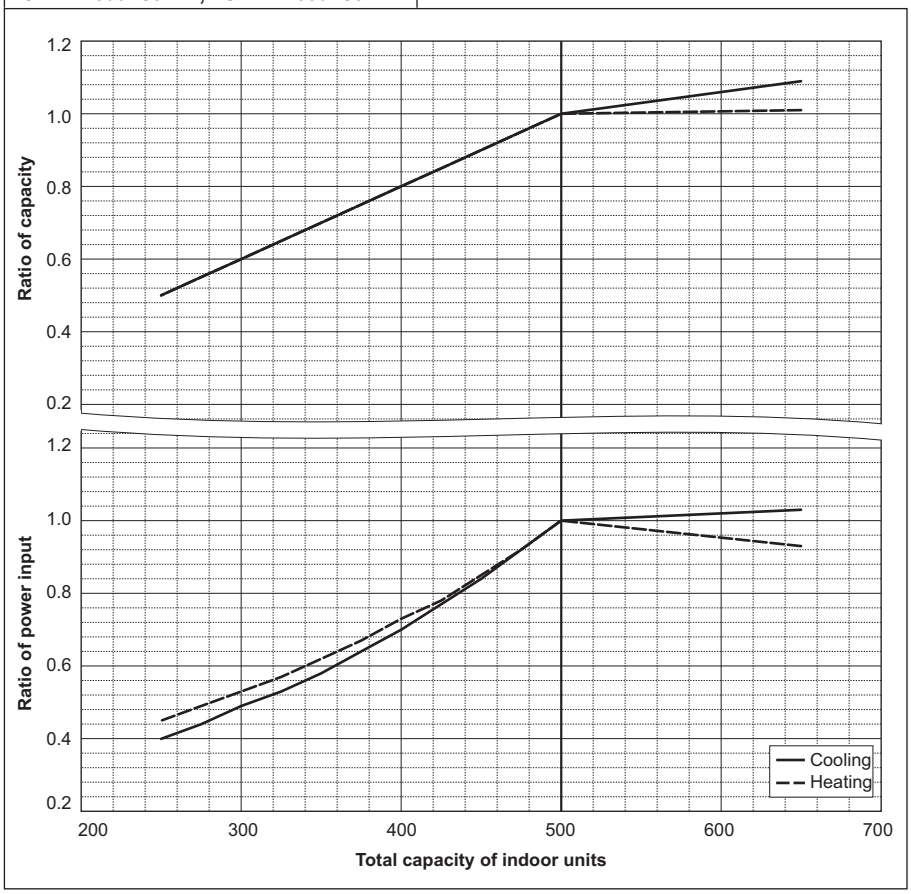
PUHY-EP500YSJM-A		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	13.30

PUHY-EP500YSJM-A1		
Nominal Cooling Capacity	kW	56.0
	BTU/h	191,100
Input	kW	13.65

PUHY-EP500YSJM-A		
Nominal Heating Capacity	kW	63.0
	BTU/h	215,000
Input	kW	14.28

PUHY-EP500YSJM-A1		
Nominal Heating Capacity	kW	63.0
	BTU/h	215,000
Input	kW	14.54

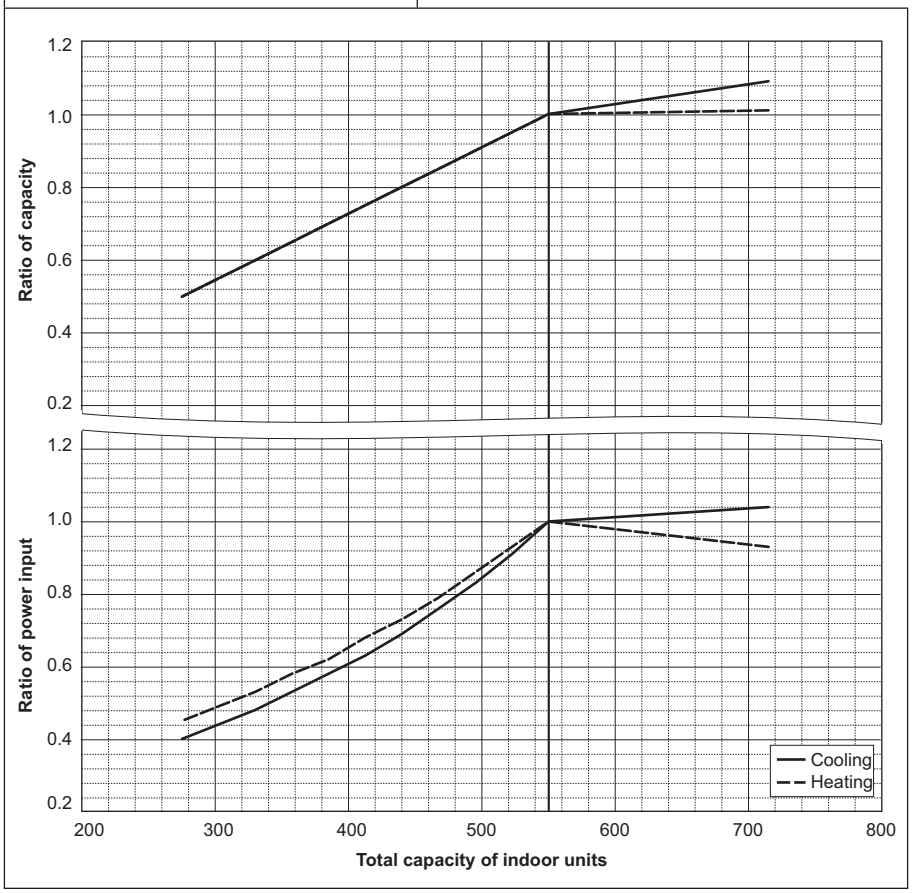
PUHY-EP500YSJM-A, PUHY-EP500YSJM-A1



PUHY-EP550YSJM-A		
Nominal Cooling Capacity	kW	63.0
	BTU/h	215,000
Input	kW	15.36

PUHY-EP550YSJM-A		
Nominal Heating Capacity	kW	69.0
	BTU/h	235,400
Input	kW	15.78

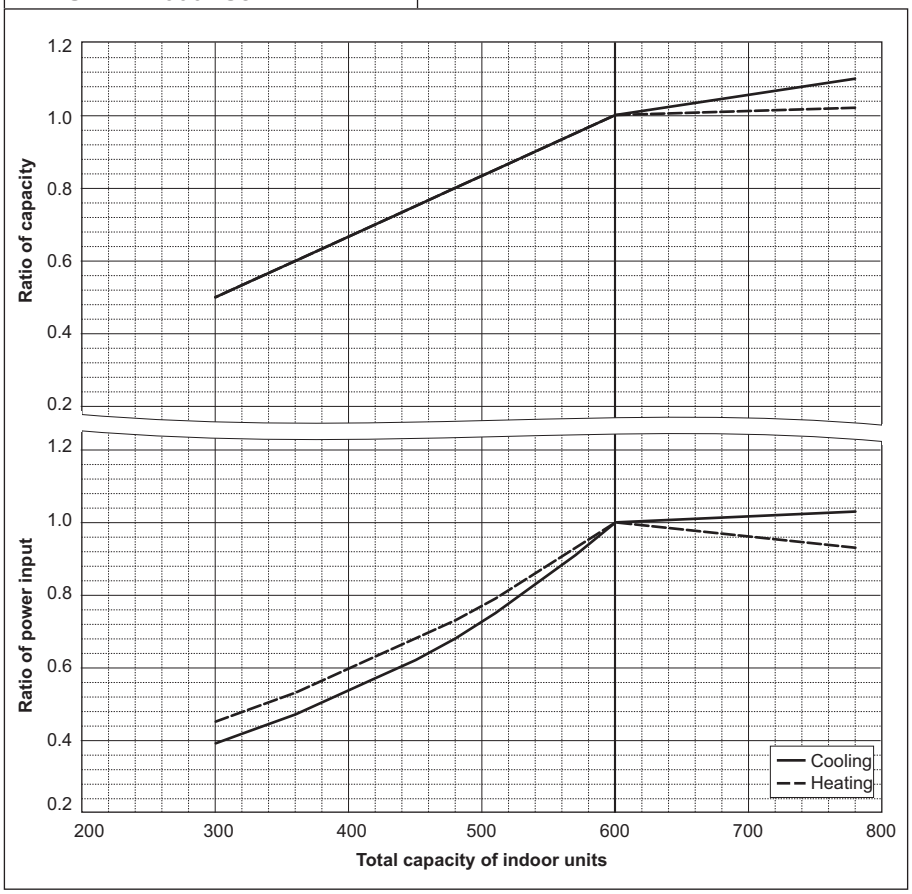
PUHY-EP550YSJM-A



PUHY-EP600YSJM-A		
Nominal Cooling Capacity	kW	69.0
	BTU/h	235,400
Input	kW	16.82

PUHY-EP600YSJM-A		
Nominal Heating Capacity	kW	76.5
	BTU/h	261,000
Input	kW	17.30

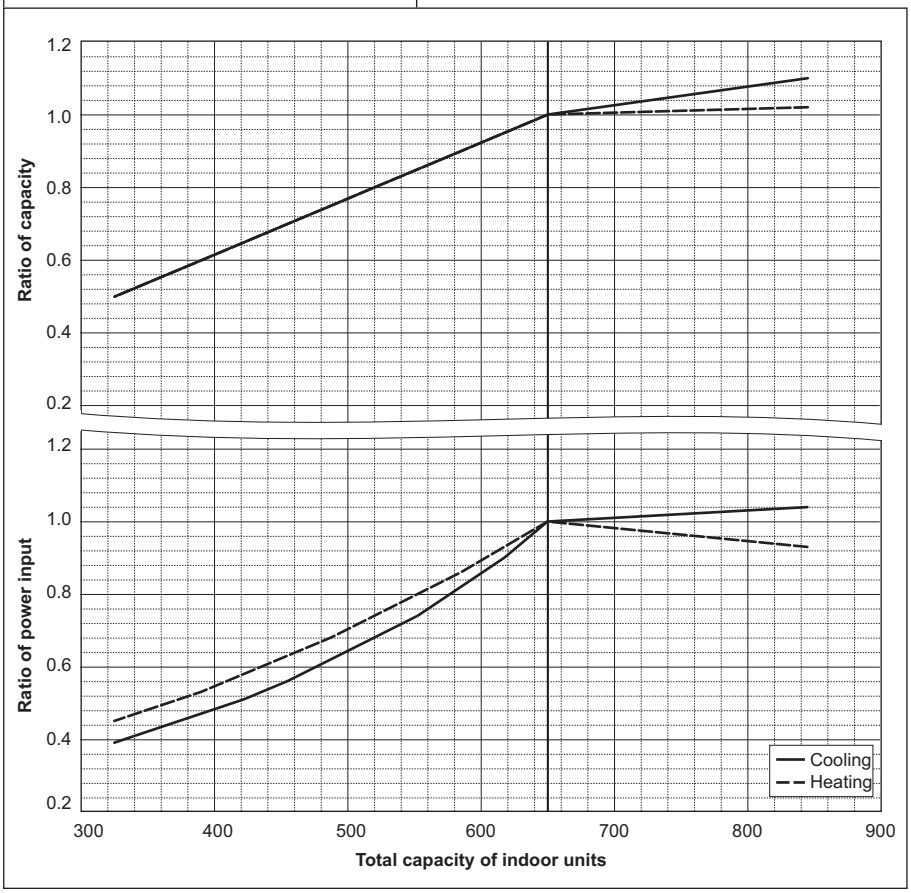
PUHY-EP600YSJM-A



PUHY-EP650YSJM-A		
Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	17.46

PUHY-EP650YSJM-A		
Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	18.56

PUHY-EP650YSJM-A



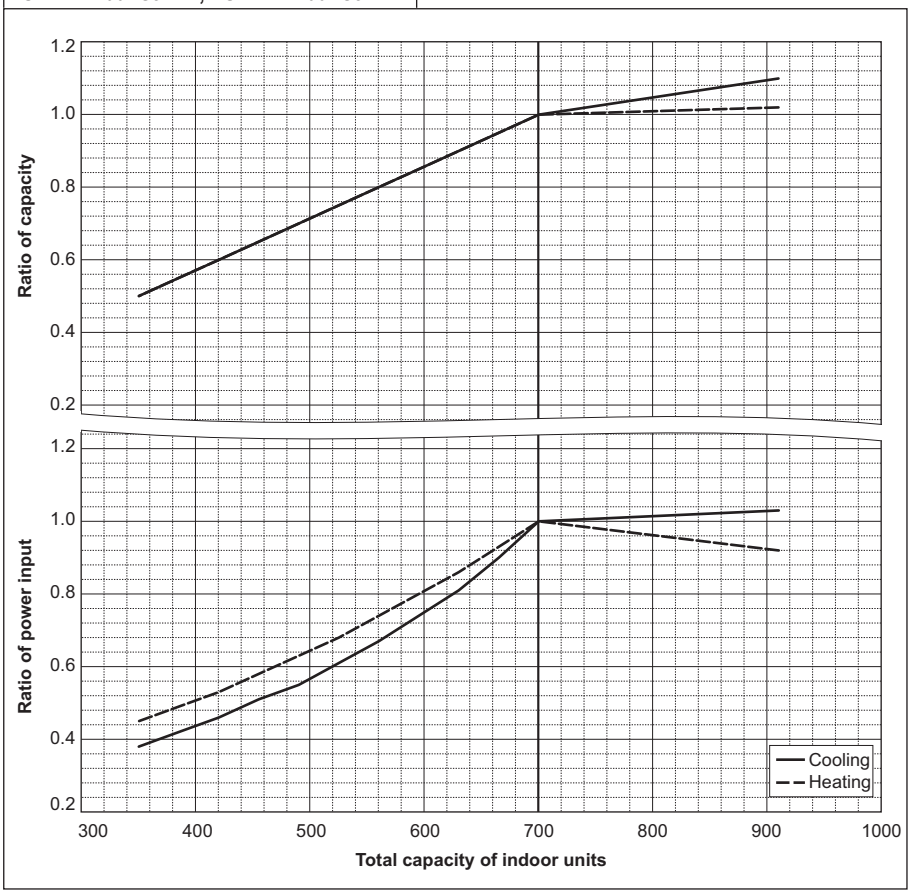
PUHY-EP700YSJM-A		
Nominal Cooling Capacity	kW	80.0
	BTU/h	273,000
Input	kW	19.13

PUHY-EP700YSJM-A1		
Nominal Cooling Capacity	kW	80.0
	BTU/h	273,000
Input	kW	19.41

PUHY-EP700YSJM-A		
Nominal Heating Capacity	kW	88.0
	BTU/h	300,300
Input	kW	20.00

PUHY-EP700YSJM-A1		
Nominal Heating Capacity	kW	88.0
	BTU/h	300,300
Input	kW	20.32

PUHY-EP700YSJM-A, PUHY-EP700YSJM-A1



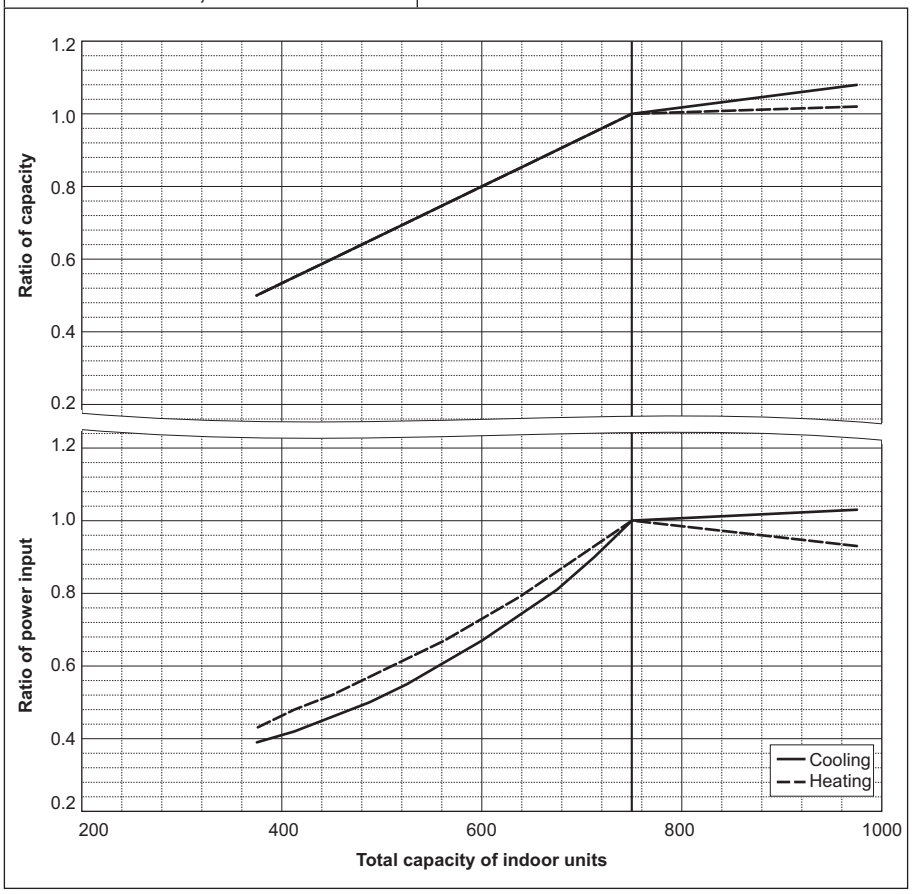
PUHY-EP750YSJM-A		
Nominal Cooling Capacity	kW	85.0
	BTU/h	290,000
Input	kW	20.43

PUHY-EP750YSJM-A1		
Nominal Cooling Capacity	kW	85.0
	BTU/h	290,000
Input	kW	20.93

PUHY-EP750YSJM-A		
Nominal Heating Capacity	kW	95.0
	BTU/h	324,100
Input	kW	21.93

PUHY-EP750YSJM-A1		
Nominal Heating Capacity	kW	95.0
	BTU/h	324,100
Input	kW	21.78

PUHY-EP750YSJM-A, PUHY-EP750YSJM-A1



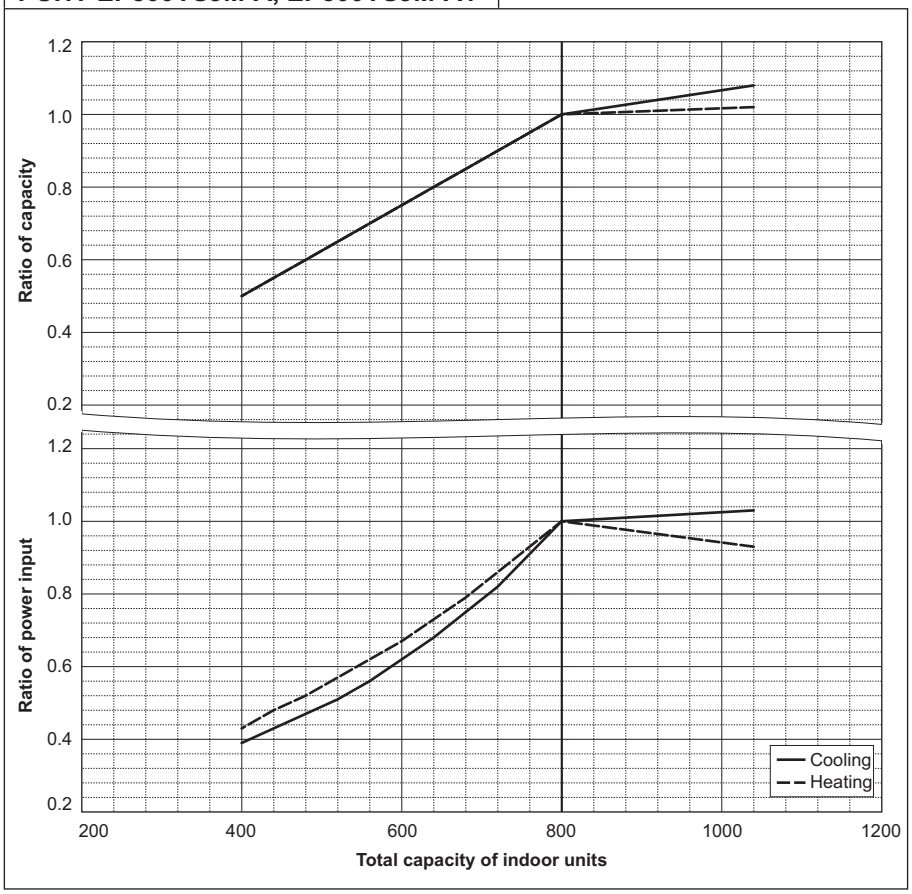
PUHY-EP800YSJM-A		
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	21.63

PUHY-EP800YSJM-A1		
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	22.16

PUHY-EP800YSJM-A		
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	22.77

PUHY-EP800YSJM-A1		
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	22.98

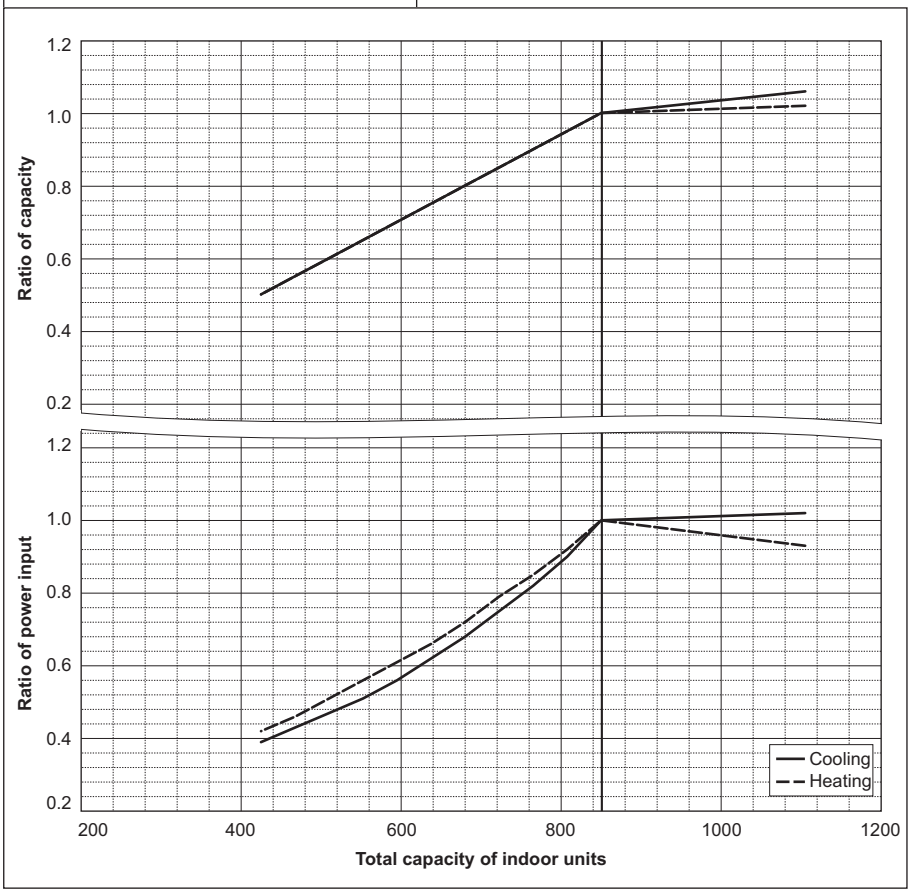
PUHY-EP800YSJM-A, EP800YSJM-A1



PUHY-EP850YSJM-A		
Nominal Cooling Capacity	kW	96.0
	BTU/h	327,600
Input	kW	23.58

PUHY-EP850YSJM-A		
Nominal Heating Capacity	kW	108.0
	BTU/h	368,500
Input	kW	24.65

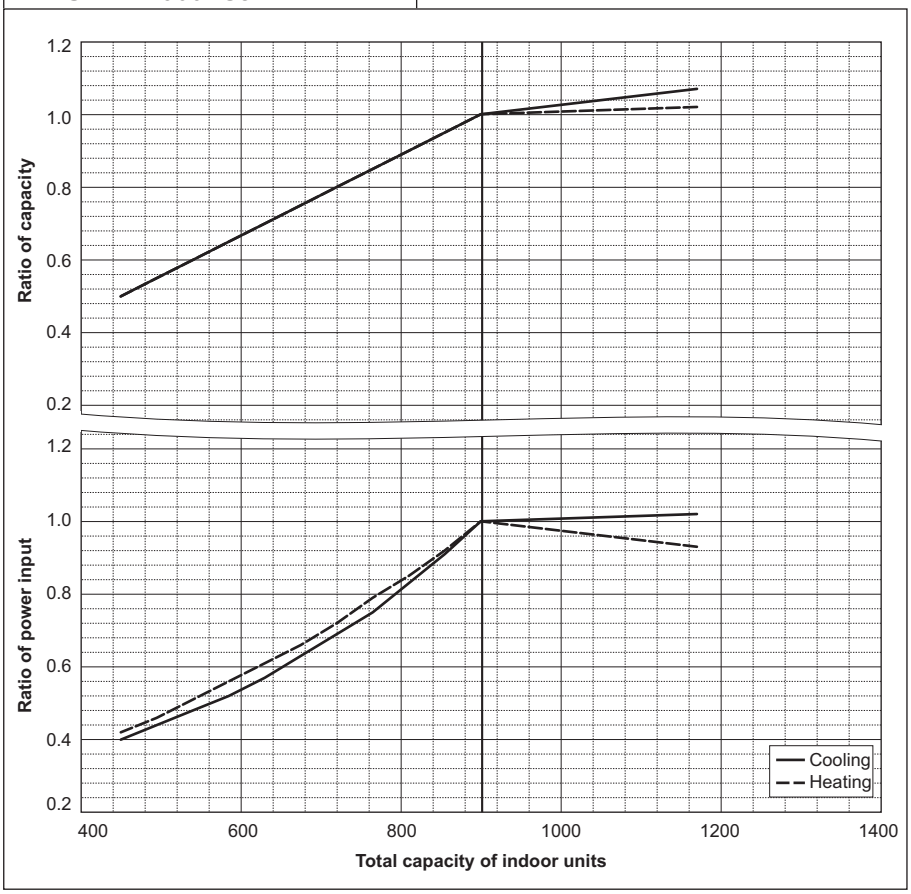
PUHY-EP850YSJM-A



PUHY-EP900YSJM-A		
Nominal Cooling Capacity	kW	101.0
	BTU/h	344,600
Input	kW	24.81

PUHY-EP900YSJM-A		
Nominal Heating Capacity	kW	113.0
	BTU/h	385,600
Input	kW	25.50

PUHY-EP900YSJM-A

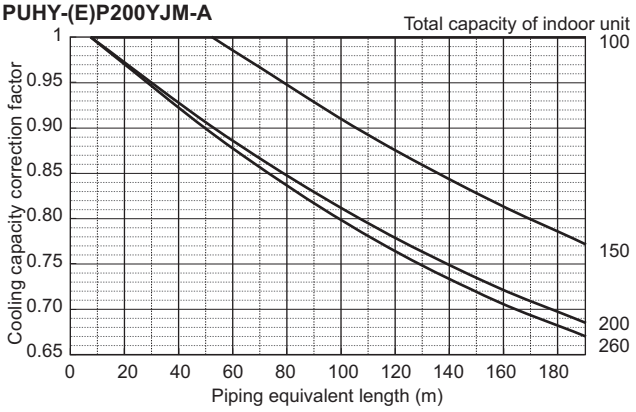


6-3. Correction by refrigerant piping length

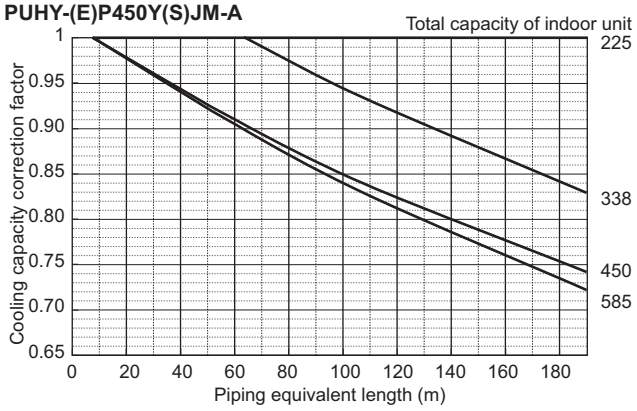
CITY MULTI system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 6-3-1 and 6-3-2, the capacity can be observed.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

6-3-1. Cooling capacity correction

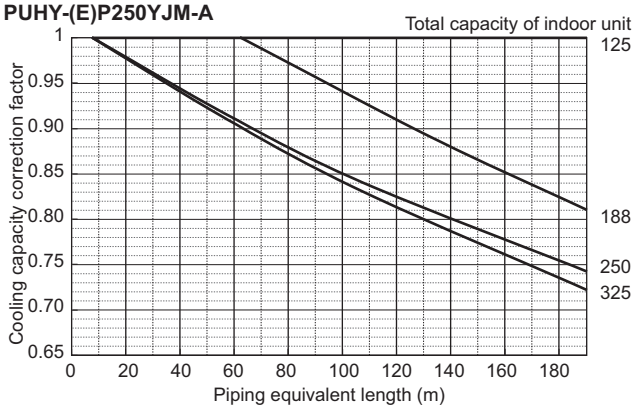
PUHY-(E)P200YJM-A



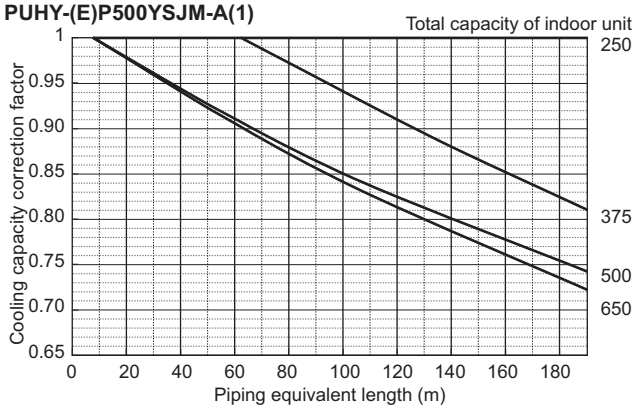
PUHY-(E)P450Y(S)JM-A



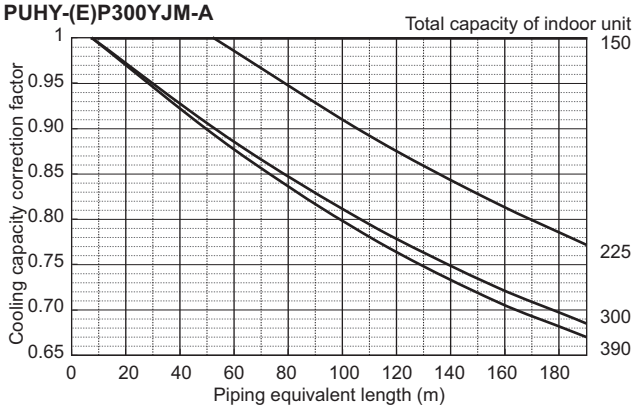
PUHY-(E)P250YJM-A



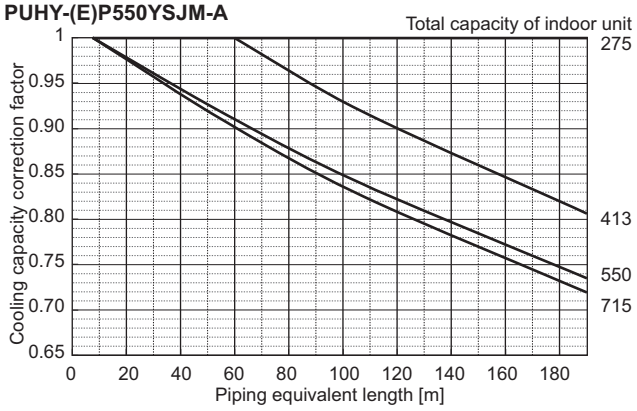
PUHY-(E)P500YSJM-A(1)



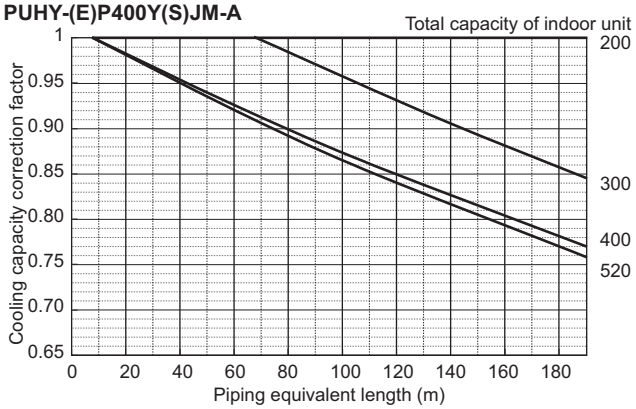
PUHY-(E)P300YJM-A



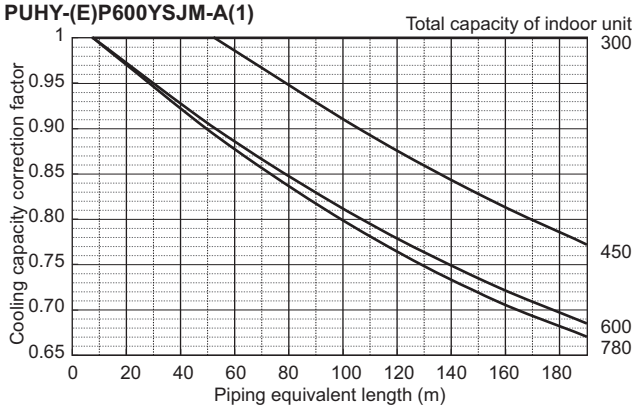
PUHY-(E)P550YSJM-A



PUHY-(E)P400Y(S)JM-A

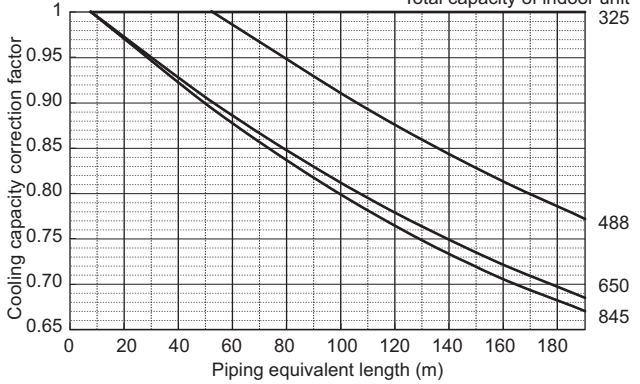


PUHY-(E)P600YSJM-A(1)

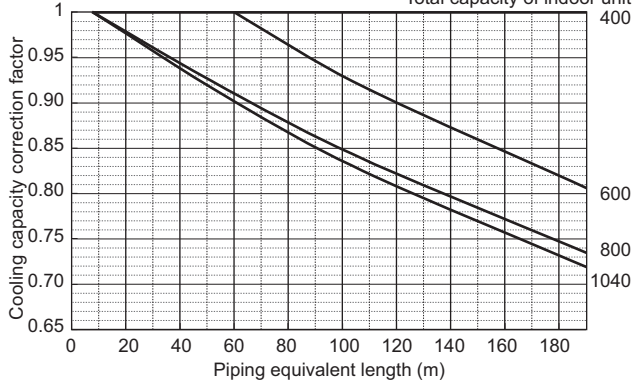


6. CAPACITY TABLES

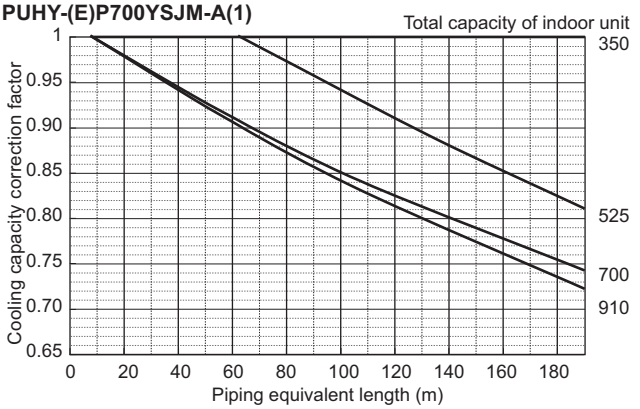
PUHY-(E)P650YSJM-A



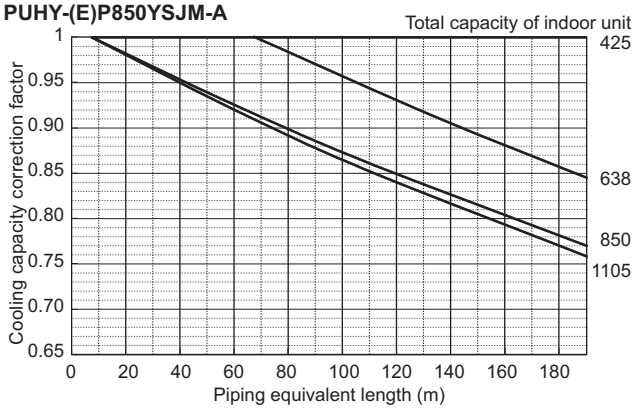
PUHY-(E)P800YSJM-A(1)



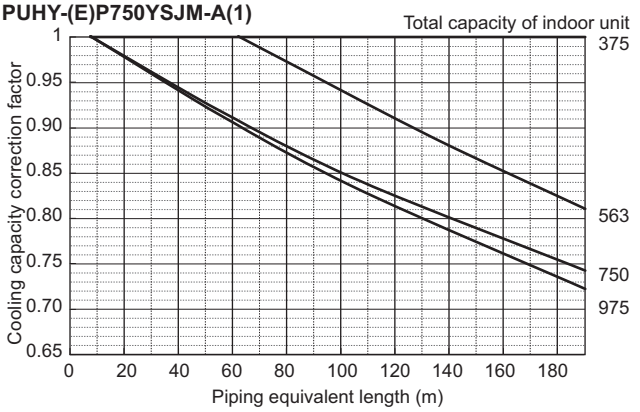
PUHY-(E)P700YSJM-A(1)



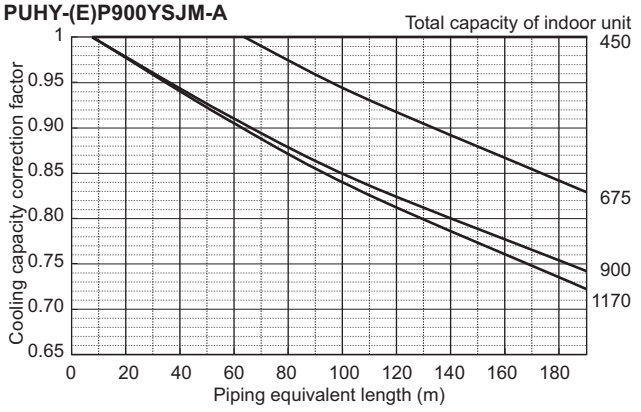
PUHY-(E)P850YSJM-A



PUHY-(E)P750YSJM-A(1)

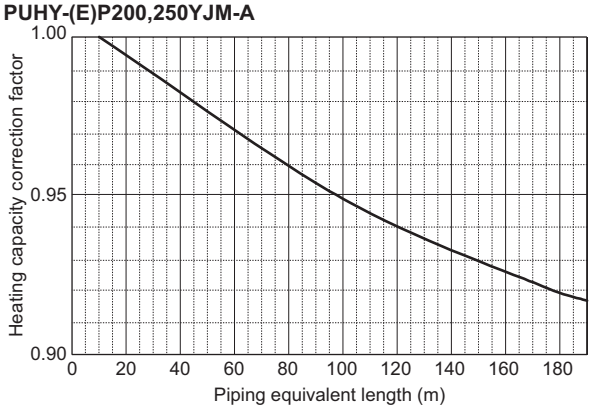


PUHY-(E)P900YSJM-A

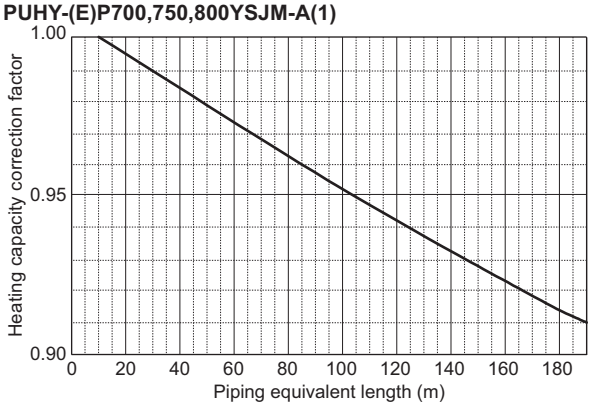


6-3-2. Heating capacity correction

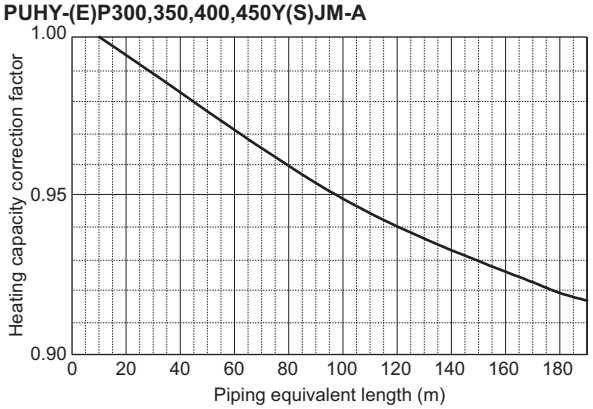
PUHY-(E)P200,250YJM-A



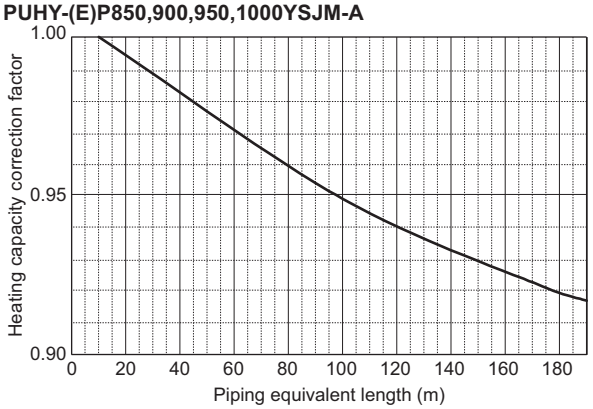
PUHY-(E)P700,750,800YSJM-A(1)



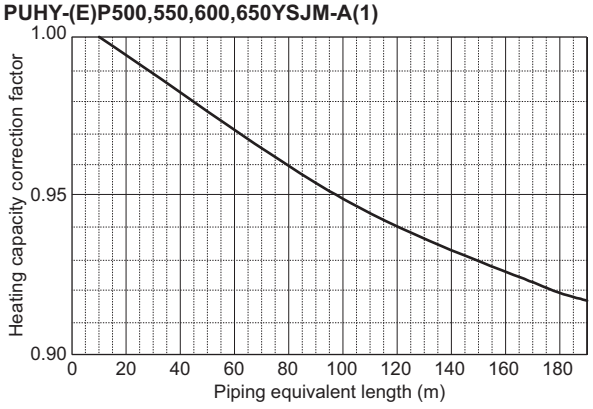
PUHY-(E)P300,350,400,450Y(S)JM-A



PUHY-(E)P850,900,950,1000YSJM-A



PUHY-(E)P500,550,600,650YSJM-A(1)



6-3-3. How to obtain the equivalent piping length

1 **PUHY-(E)P200YJM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bends in the piping) m

2 **PUHY-(E)P250,300YJM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 x number of bends in the piping) m

3 **PUHY-P350YJM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bends in the piping) m

4 **PUHY-(E)P400,450,500,550,600,650Y(S)JM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bends in the piping) m

5 **PUHY-(E)P700,750,800YSJM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 x number of bends in the piping) m

6 **PUHY-(E)P850,900,950,1000,1050,1100,1150,1200,1250YSJM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.80 x number of bends in the piping) m

6-4. Correction at frost and defrost

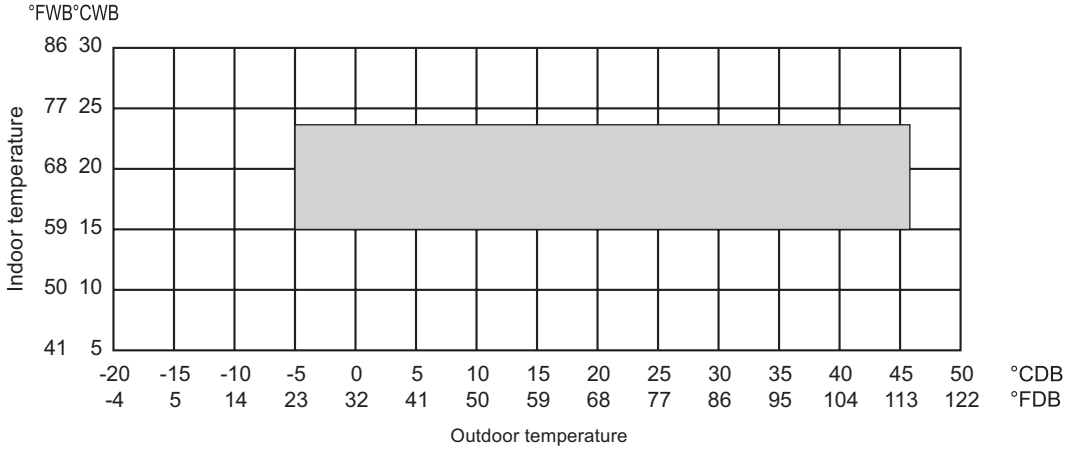
Due to frost at the outdoor heat exchanger and the automatic defrost operation, the heating capacity of the outdoor unit can be calculated by multiplying the correction factor shown in the table below.

Table of correction factor at frost and defrost

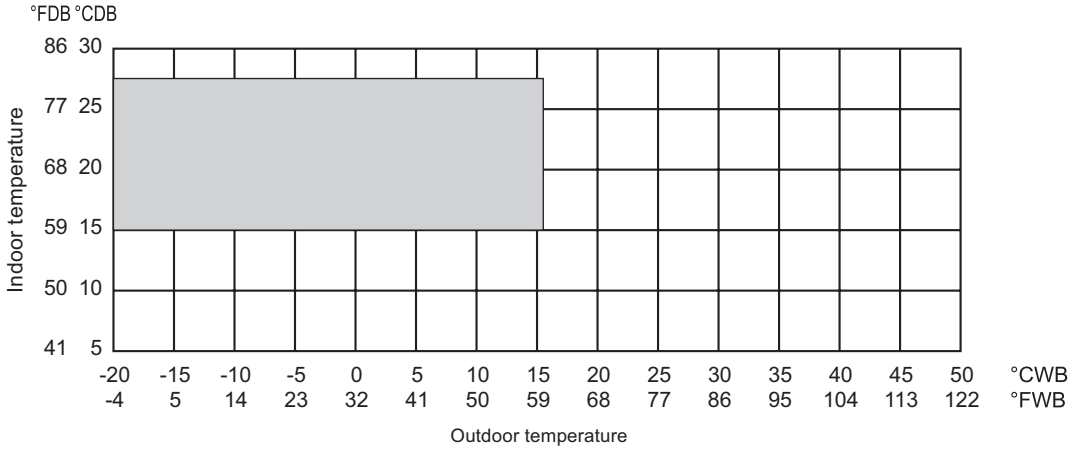
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PUHY-(E)P200YJM-A (-BS)	1.00	0.95	0.84	0.825	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P250YJM-A (-BS)	1.00	0.95	0.84	0.825	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P300YJM-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-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
PUHY-(E)P400YJM-A (-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P450YJM-A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(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
PUHY-(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
PUHY-(E)P600YSJM-A(1) (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P650YSJM-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(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
PUHY-(E)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
PUHY-(E)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
PUHY-(E)P850YSJM-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P900YSJM-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P950YSJM-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1000YSJM-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1050YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1100YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1150YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1200YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1250YSJM-A(-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93

6-5. Operation temperature range

• **Cooling**



• **Heating**



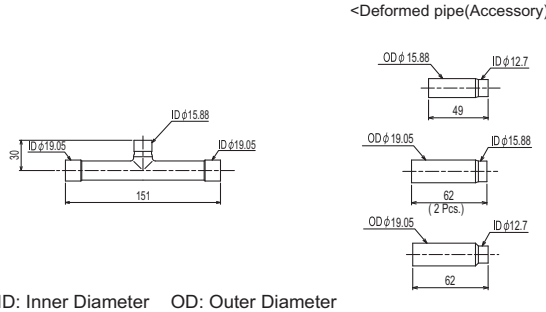
7-1. JOINT

Piping for CITY MULTI can be easily done with Joints and headers provided by MITSUBISHI ELECTRIC CORP..
There are 4 sets of Joints selectable for piping. Details for applying the Joint sets are referable to System Design 3, or their own Installation Manual.

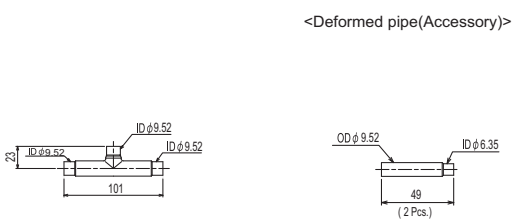
CMY-Y102S-G2

Ref.: CMY_Y102S_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

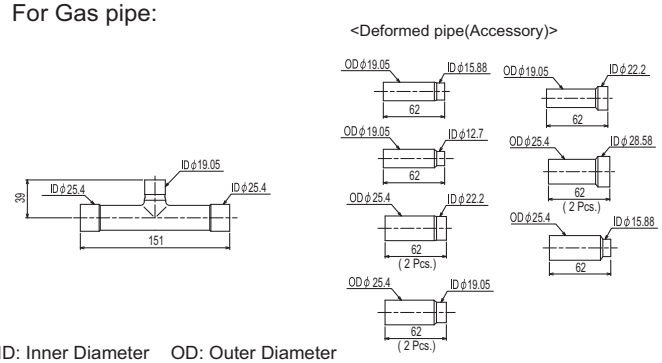


ID: Inner Diameter OD: Outer Diameter

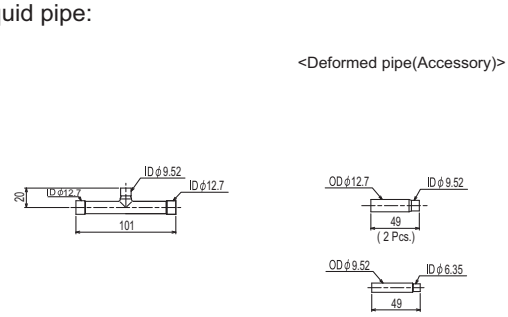
CMY-Y102L-G2

Ref.: CMY_Y102L_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

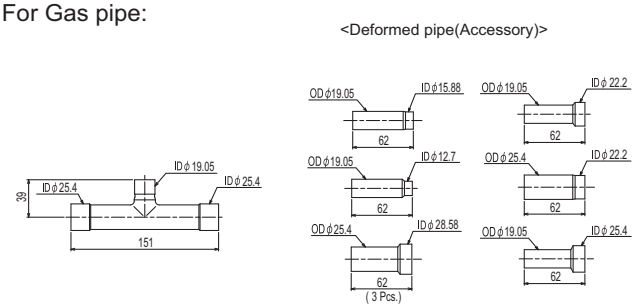


ID: Inner Diameter OD: Outer Diameter

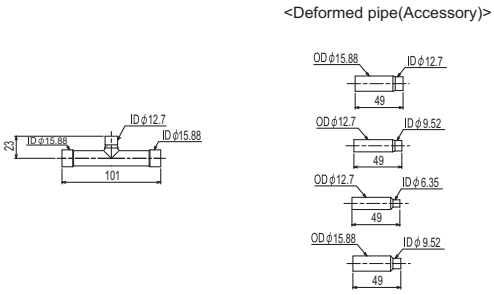
CMY-Y202-G2

Ref.: CMY_Y202_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

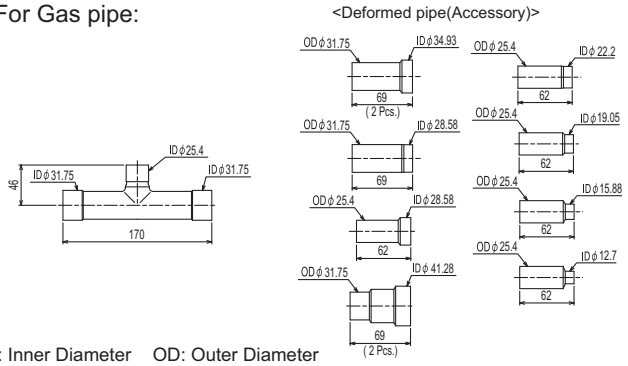


ID: Inner Diameter OD: Outer Diameter

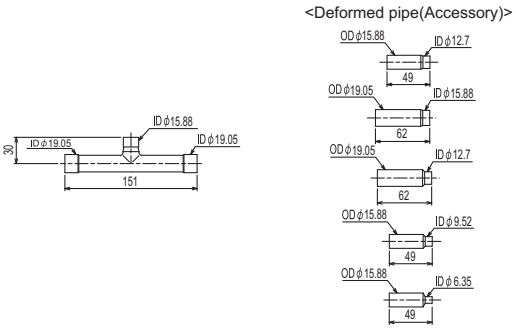
CMY-Y302-G2

Ref.: CMY_Y302_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:



ID: Inner Diameter OD: Outer Diameter

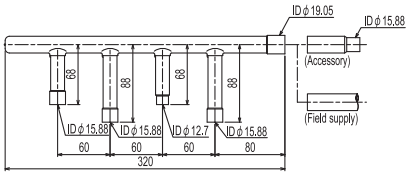
7-2. HEADER

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

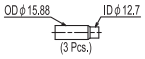
CMY-Y104-G

Ref.: CMY_Y104-G_EXD_EUDB_SI.
mm

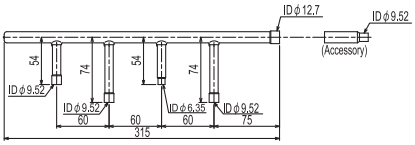
For Gas pipe:



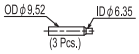
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>

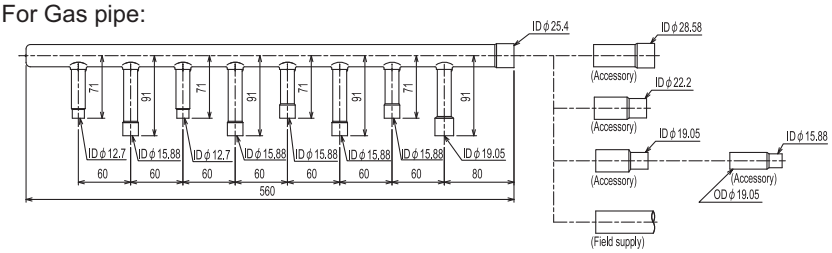


ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of φ6.35, φ9.52, φ12.7, φ15.88 (each diameter 1 piece) are included in the Header set.

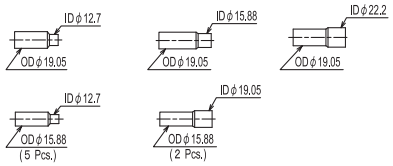
CMY-Y108-G

Ref.: CMY_Y108-G_EXD_EUDB_SI
mm

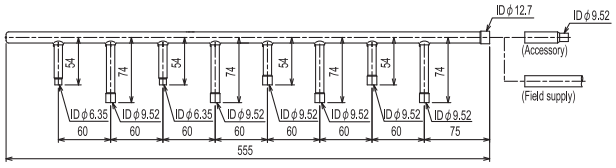
For Gas pipe:



<Deformed pipe(Accessory)>



For Liquid pipe:



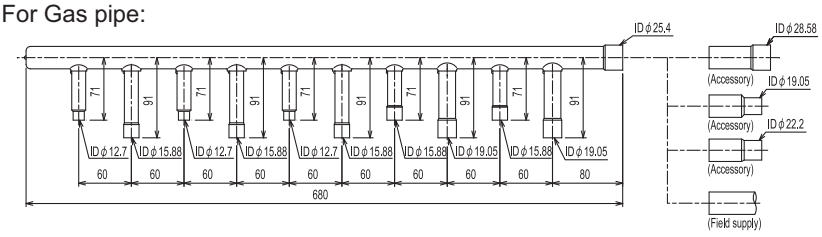
<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of φ6.35, φ9.52, φ12.7, φ15.88 (each diameter 2 pieces) and 1 cap for pipe of φ19.05 are included in the Header set.

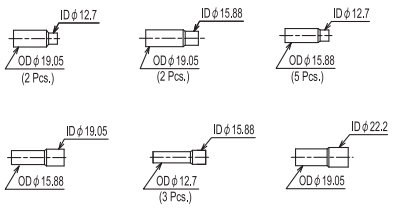
CMY-Y1010-G

Ref.: CMY_Y1010-G_EXD_EUDB_SI
mm

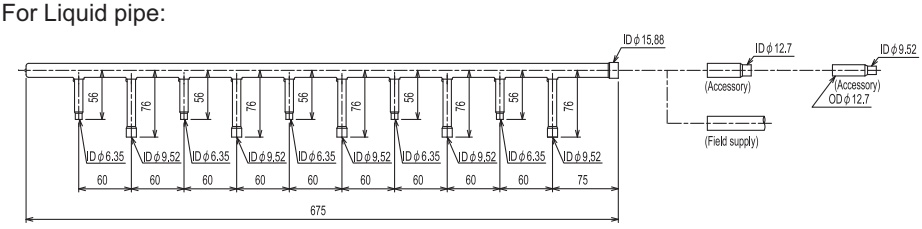
For Gas pipe:



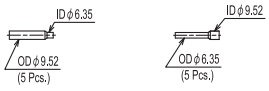
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>



ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of φ6.35, φ9.52, φ12.7, φ15.88 (each diameter 2 pieces) and 1 cap for pipe of φ19.05 are included in the Header set.

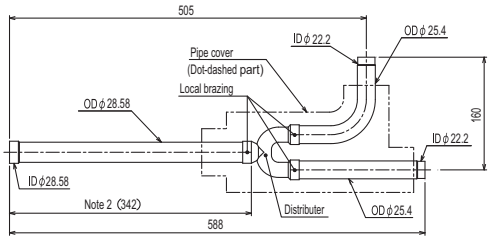
7-3. OUTDOOR TWINNING KIT

For PUHY-(E)P-YSJM, following optional Outdoor Twinning Kit is needed to use to combine to refrigerant flows of its PUHY-P-YJM. Details of selecting the proper kit should be referred to the System Design Section.

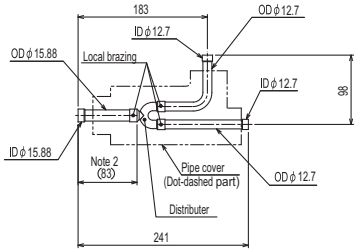
CMY-Y100VBK2

mm

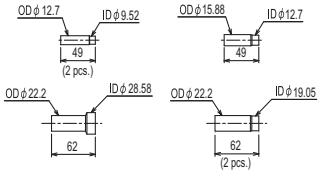
For Gas pipe:



For Liquid pipe:



<Deformed pipe(Accessory)>



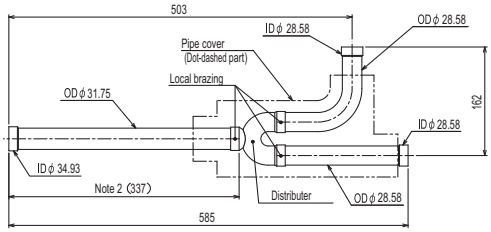
ID: Inner Diameter OD: Outer Diameter

CMY-Y200VBK2

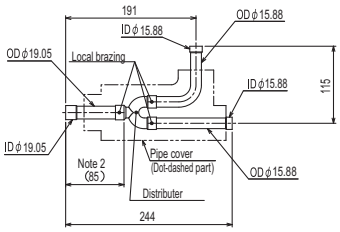
Ref.: CMY_Y200VBK2_EXD_EUDB_SI

mm

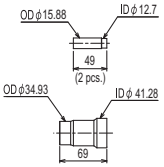
For Gas pipe:



For Liquid pipe:



<Deformed pipe(Accessory)>



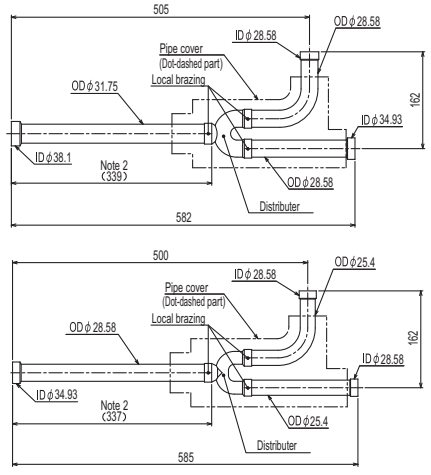
ID: Inner Diameter OD: Outer Diameter

CMY-Y300VBK2

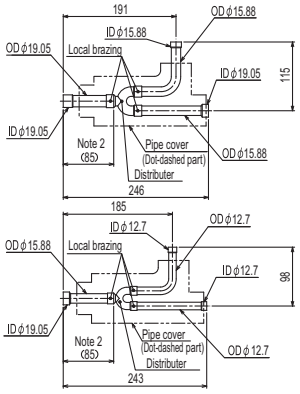
Ref.: CMY_Y300VBK2_EXD_EUDB_SI

mm

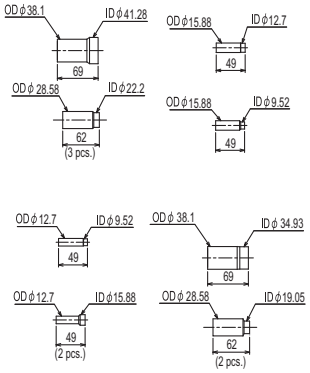
For Gas pipe:



For Liquid pipe:

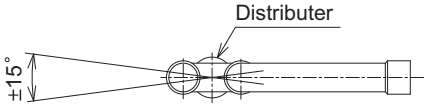


<Deformed pipe(Accessory)>



ID: Inner Diameter OD: Outer Diameter

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



The angle of the branch pipe is within ±15° against the horizontal plane.

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