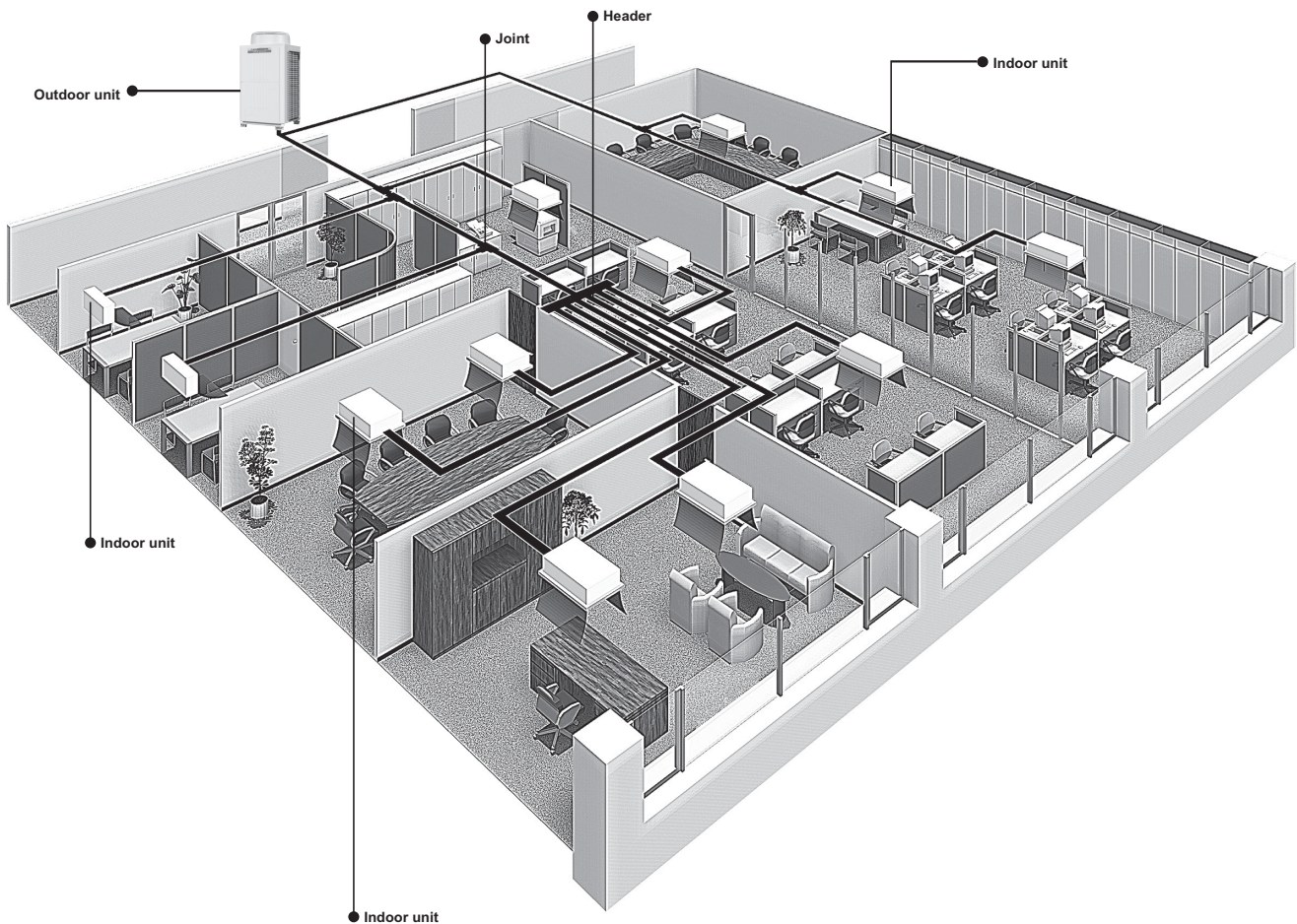


CITY MULTI™ OUTDOOR UNITS

Y SERIES



Heat pump: PUHY-P-Y(S)HM-A(-BS)

	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	
	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP	50HP	
Y Heat pump	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Ref: PUHY_YHM-A_DOC_EUDB_ALL_Y1

1. SPECIFICATIONS

DATA G4

Model		PUHY-P250YHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	28.0		
	*1 kcal / h	24,100		
	*1 Btu / h	95,500		
	*2 kcal / h	25,000		
	Power input	kW	7.73	
Current input		A	13.0-12.3-11.9	
COP (kW / kW)		3.62		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	31.5		
	*3 kcal / h	27,100		
	*3 Btu / h	107,500		
	Power input	kW	7.83	
	Current input		A	13.2-12.5-12.1
COP (kW / kW)		4.02		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity		50 - 130% of outdoor unit capacity	
	Model / Quantity		P15 - P250/1 - 21	
Noise level (measured in anechoic room)		dB <A>	57	
Diameter of refrigerant pipe (O.D.)	Liquid	mm (in.)	9.52 (3/8") Brazed (12.7 (1/2") Brazed, total length >=90m)	
	Gas	mm (in.)	22.2 (7/8") Brazed	

External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760		
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"		
Net weight	kg (lb)	200 (441)		
Heat exchanger		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	
	Motor output	kW	6.7	
	Case heater	kW	0.035	
	Lubricant		MEL32	
FAN	Air flow rate	m ³ / min	185	
		L / s	3,083	
		cfm	6,532	
	External static press.		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
Motor output	kW	0.46 x 1		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure		
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		
	Fan motor	Thermal switch		
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)		
	Control		LEV and HIC circuit	
Drawing	External	KB94G531		
	Wiring	KE94C140		
Standard attachment	Document	Installation Manual		
	Accessory	Refrigerant conn. pipe		
Optional parts		joint :CMY-Y102S/L-G2 Header :CMY-Y104/108/1010-G		
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P200-P250_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P300YHM-A(-BS)	PUHY-P350YHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	33.5	40.0	
	*1	kcal / h	28,800	34,400	
	*1	Btu / h	114,300	136,500	
	*2	kcal / h	30,000	35,000	
			kW	9.07	11.20
		Current input	A	15.3-14.5-14.0	18.9-17.9-17.3
		COP (kW / kW)		3.69	3.57
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3	kW	37.5	45.0	
	*3	kcal / h	32,300	38,700	
	*3	Btu / h	128,000	153,500	
			kW	9.39	12.09
			Current input	A	15.8-15.0-14.5
		COP (kW / kW)		3.99	3.72
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		50 - 130% of outdoor unit capacity	
	Model / Quantity	P15 - P250/1 - 26		P15 - P250/1 - 30	
Noise level (measured in anechoic room)		dB <A>	59	60	
Diameter of refrigerant pipe	Liquid	mm (in.)	9.52 (3/8") Brazed (12.7 (1/2") Brazed, total length>=40m)	12.7 (1/2") Brazed	
	Gas	mm (in.)	22.2(7/8") Brazed	28.58(1-1/8") Brazed	

External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type)		Pre-coated galvanized steel sheets (+powder coating for -BS type)	
		<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760		1,710(without legs 1,650)x1220x760	
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)	215 (474)		245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker	MITSUBISHI ELECTRIC CORPORATION		MITSUBISHI ELECTRIC CORPORATION	
	Starting method	Inverter		Inverter	
	Motor output	kW	8.2	10.3	
	Case heater	kW	0.045	0.045	
	Lubricant	MEL32		MEL32	
FAN	Air flow rate	m ³ / min	185	225	
		L / s	3,083	3,750	
		cfm	6,532	7,945	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity	Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure		Copper pipe, pipe-in-pipe structure	
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	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	
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)		Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)		R410A x 11.5 kg (26lb)	
	Control	LEV and HIC circuit		LEV and HIC circuit	
Drawing	External	KB94G531		KB94G532	
	Wiring	KE94C140		KE94C140	
Standard attachment	Document	Installation Manual		Installation Manual	
	Accessory	Refrigerant conn. pipe		Refrigerant conn. pipe	
Optional parts		joint :CMY-Y102S/L-G2 Header :CMY-Y104/108/1010-G		joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G	
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P300-P350_56

Model			PUHY-P400YHM-A(-BS)	PUHY-P450YHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz	3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	45.0	50.0	
	*1	kcal / h	38,700	43,000	
	*1	Btu / h	153,500	170,600	
	*2	kcal / h	40,000	45,000	
	Power input	kW	13.23	16.28	
	Current input	A	22.3-21.2-20.4	27.4-26.1-25.1	
	COP (kW / kW)		3.40	3.07	
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3	kW	50.0	56.0	
	*3	kcal / h	43,000	48,200	
	*3	Btu / h	170,600	191,100	
		Power input	kW	13.47	15.38
		Current input	A	22.7-21.6-20.8	25.9-24.6-23.7
	COP (kW / kW)		3.71	3.64	
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		50 - 130% of outdoor unit capacity	
	Model / Quantity	P15 - P250/1 - 34		P15 - P250/1 - 39	
Noise level (measured in anechoic room)		dB <A>	61	62	
Diameter of refrigerant pipe	Liquid	mm (in.)	12.7 (1/2") Brazed	15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	

External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type)		Pre-coated galvanized steel sheets (+powder coating for -BS type)	
		<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760	
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)	245 (541)		245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker	MITSUBISHI ELECTRIC CORPORATION		MITSUBISHI ELECTRIC CORPORATION	
	Starting method	Inverter		Inverter	
	Motor output	kW	10.5	12.0	
	Case heater	kW	0.045	0.045	
	Lubricant	MEL32		MEL32	
FAN	Air flow rate	m ³ / min	225	225	
		L / s	3,750	3,750	
		cfm	7,945	7,945	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity	Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe,pipe-in-pipe structure		Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	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	
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)		Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)	
	Control	LEV and HIC circuit		LEV and HIC circuit	
Drawing	External	KB94G532		KB94G532	
	Wiring	KE94C140		KE94C140	
Standard attachment	Document	Installation Manual		Installation Manual	
	Accessory	Refrigerant conn. pipe		Refrigerant conn. pipe	
Optional parts		joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G		joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G	
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
	*Nominal condition *1,*3 are subject to JIS B8615-1			*Above specification data is subject to rounding variation.
	*Due to continuing improvement, above specifications may be subject to change without notice.			

Ref.:PUHY_YHM-A_SPC_EUDB_P400-P450_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P500YSHM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz				
Cooling capacity (Nominal)	*1 kW	56.0			
	*1 kcal / h	48,200			
	*1 Btu / h	191,100			
	*2 kcal / h	50,000			
	Power input	kW	16.47		
Current input	A	27.8-26.4-25.4			
COP (kW / kW)	3.40				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3 kW	63.0			
	*3 kcal / h	54,200			
	*3 Btu / h	215,000			
	Power input	kW	16.40		
	Current input	A	27.6-26.3-25.3		
COP (kW / kW)	3.84				
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity			
	Model / Quantity	P15 - P250/1 - 43			
Noise level (measured in anechoic room)	dB <A>	60			
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed		
	Gas	mm (in.)	28.58(1-1/8") Brazed		

Set Model

Model			PUHY-P250YHM-A(-BS)		PUHY-P250YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760		1,710(without legs 1,650)x920x760		
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"		67-3/8"(without legs 65")x36-1/4"x29-15/16"		
Net weight	kg (lb)	200 (441)		200 (441)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	6.7		6.7	
	Case heater	kW	0.035		0.035	
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m ³ / min	185		185	
		L / s	3,083		3,083	
		cfm	6,532		6,532	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa		
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	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		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)		R410A x 9.0 kg (20lb)		
	Control	LEV and HIC circuit				
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed		9.52 (3/8") Brazed	
	Gas	mm (in.)	22.2(7/8") Brazed		22.2(7/8") Brazed	
Drawing	External	KB94G533				
	Wiring	KE94C140		KE94C140		
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			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P500_56

Model		PUHY-P550YSHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	63.0		
	*1 kcal / h	54,200		
	*1 Btu / h	215,000		
	*2 kcal / h	55,000		
	Power input	kW	18.36	
Current input	A	30.9-29.4-28.3		
COP (kW / kW)		3.43		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	69.0		
	*3 kcal / h	59,300		
	*3 Btu / h	235,400		
	Power input	kW	18.06	
	Current input	A	30.4-28.9-27.9	
COP (kW / kW)		3.82		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		
	Model / Quantity	P15 - P250/1 - 47		
Noise level (measured in anechoic room)		dB <A>	60.5	
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed	

Set Model

Model		PUHY-P250YHM-A(-BS)		PUHY-P300YHM-A(-BS)		
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type)				
		<MUNSELL 5Y 8/1 or similar>				
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760		1,710(without legs 1,650)x920x760		
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"		67-3/8"(without legs 65")x36-1/4"x29-15/16"		
Net weight	kg (lb)	200 (441)		215 (474)		
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	6.7	8.2		
	Case heater	kW	0.035	0.045		
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	185	185		
		L / s	3,083	3,083		
		cfm	6,532	6,532		
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure				
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)				
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection				
	Compressor	Over-heat protection				
	Fan motor	Thermal switch				
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)				
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)		R410A x 9.0 kg (20lb)		
	Control	LEV and HIC circuit				
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	12.7 (1/2") Brazed		
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed		
Drawing	External	KB94G533				
	Wiring	KE94C140		KE94C140		
Standard attachment	Document	Installation Manual				
	Accessory	Refrigerant conn. pipe				
Optional parts		Outdoor Twinning Kit : CMY-Y100VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G				
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P550_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P600YSHM-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			
	*2 kcal / h	60,000			
	Power input	kW	18.75		
Current input	A	31.6-30.0-28.9			
COP (kW / kW)	3.68				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3 kW	76.5			
	*3 kcal / h	65,800			
	*3 Btu / h	261,000			
	Power input	kW	19.92		
	Current input	A	33.6-31.9-30.7		
COP (kW / kW)	3.84				
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity			
	Model / Quantity	P15 - P250/1 - 50			
Noise level (measured in anechoic room)	dB <A>	60.5			
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed		
	Gas	mm (in.)	28.58(1-1/8") Brazed		

Set Model

Model			PUHY-P250YHM-A(-BS)		PUHY-P350YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm		1,710(without legs 1,650)x920x760		1,710(without legs 1,650)x1220x760	
	in.		67-3/8"(without legs 65")x36-1/4"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)		200 (441)		245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter		Inverter	
	Motor output	kW	6.7		10.3	
	Case heater	kW	0.035		0.045	
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	185		225	
		L / s	3,083		3,750	
		cfm	6,532		7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	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	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)		R410A x 11.5 kg (26lb)	
	Control		LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed		12.7 (1/2") Brazed	
	Gas	mm (in.)	22.2(7/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External		KB94G534			
	Wiring		KE94C140		KE94C140	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P600_56

Model			PUHY-P650YSHM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz				
Cooling capacity (Nominal)	*1	kW	73.0		
	*1	kcal / h	62,800		
	*1	Btu / h	249,100		
	*2	kcal / h	65,000		
				20.79	
	Power input	kW	35.0-33.3-32.1		
	Current input	A	3.51		
	COP (kW / kW)				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3	kW	81.5		
	*3	kcal / h	70,100		
	*3	Btu / h	278,100		
		Power input	kW	21.90	
		Current input	A	36.9-35.1-33.8	
	COP (kW / kW)		3.72		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity		50 - 130% of outdoor unit capacity		
	Model / Quantity		P15 - P250/1 - 50		
Noise level (measured in anechoic room)		dB <A>	61.0		
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed		
	Gas	mm (in.)	28.58(1-1/8") Brazed		

Set Model

Model			PUHY-P300YHM-A(-BS)		PUHY-P350YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D		mm	1,710(without legs 1,650)x920x760		1,710(without legs 1,650)x1220x760	
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight		kg (lb)	215 (474)		245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter		Inverter	
	Motor output	kW	8.2		10.3	
	Case heater	kW	0.045		0.045	
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	185		225	
		L / s	3,083		3,750	
		cfm	6,532		7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	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	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)		R410A x 11.5 kg (26lb)	
	Control		LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed		12.7 (1/2") Brazed	
	Gas	mm (in.)	22.2(7/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External		KB94G534			
	Wiring		KE94C140		KE94C140	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P650_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P700YSHM-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			
	*2 kcal / h	70,000			
	Power input	kW	22.47		
Current input	A	37.9-36.0-34.7			
COP (kW / kW)	3.56				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3 kW	88.0			
	*3 kcal / h	75,700			
	*3 Btu / h	300,300			
	Power input	kW	23.71		
	Current input	A	40.0-38.0-36.6		
COP (kW / kW)	3.71				
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity			
	Model / Quantity	P15 - P250/1 - 50			
Noise level (measured in anechoic room)	dB <A>	61.0			
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed		
	Gas	mm (in.)	34.93(1-3/8") Brazed		

Set Model

Model			PUHY-P350YHM-A(-BS)		PUHY-P350YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm		1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760	
	in.		67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)		245 (541)		245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	10.3		10.3	
	Case heater	kW	0.045		0.045	
	Lubricant	MEL32				
FAN	Air flow rate	m ³ / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa		
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	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		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit				
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed		12.7 (1/2") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External	KB94G535				
	Wiring	KE94C140		KE94C140		
Standard attachment	Document	Installation Manual				
	Accessory	Refrigerant conn. pipe				
Optional parts			Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P700_56

Model			PUHY-P750YSHM-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		
	*2	kcal / h	75,000		
				25.07	
	Power input	kW	42.3-40.2-38.7		
	Current input	A	3.39		
	COP (kW / kW)				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3	kW	95.0		
	*3	kcal / h	81,700		
	*3	Btu / h	324,100		
		Power input	kW	25.46	
		Current input	A	42.9-40.8-39.3	
	COP (kW / kW)		3.73		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity		50 - 130% of outdoor unit capacity		
	Model / Quantity		P15 - P250/1 - 50		
Noise level (measured in anechoic room)		dB <A>	63.0		
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed		
	Gas	mm (in.)	34.93(1-3/8") Brazed		

Set Model

Model			PUHY-P350YHM-A(-BS)		PUHY-P400YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D		mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760	
		in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight		kg (lb)	245 (541)		245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter		Inverter	
	Motor output	kW	10.3		10.5	
	Case heater	kW	0.045		0.045	
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge		R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)	
	Control		LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed		15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External		KE94C140		KB94G535	
	Wiring		KE94C140		KE94C140	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.: PUHY_YHM-A_SPC_EUDB_P750_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P800YSHM-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			
	*2 kcal / h	80,000			
	Power input	kW	27.69		
Current input	A	46.7-44.4-42.8			
COP (kW / kW)	3.25				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3 kW	100.0			
	*3 kcal / h	86,000			
	*3 Btu / h	341,200			
	Power input	kW	25.70		
	Current input	A	43.3-41.2-39.7		
COP (kW / kW)	3.89				
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity			
	Model / Quantity	P15 - P250/1 - 50			
Noise level (measured in anechoic room)	dB <A>	64			
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed		
	Gas	mm (in.)	34.93(1-3/8") Brazed		

Set Model

Model			PUHY-P350YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760		
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"		
Net weight	kg (lb)	245 (541)		245 (541)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	10.3		12.0	
	Case heater	kW	0.045		0.045	
	Lubricant	MEL32				
FAN	Air flow rate	m ³ / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa		
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	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		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit				
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed		15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External	KB94G535				
	Wiring	KE94C140		KE94C140		
Standard attachment	Document	Installation Manual				
	Accessory	Refrigerant conn. pipe				
Optional parts			Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P800_56

Model			PUHY-P850YSHM-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		
	*2	kcal / h	85,000		
				30.18	
	Power input	kW	30.18		
	Current input	A	50.9-48.4-46.6		
	COP (kW / kW)		3.18		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3	kW	108.0		
	*3	kcal / h	92,900		
	*3	Btu / h	368,500		
				28.42	
		Power input	kW	28.42	
	Current input	A	47.9-45.5-43.9		
	COP (kW / kW)		3.80		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity		50 - 130% of outdoor unit capacity		
	Model / Quantity		P15 - P250/1 - 50		
Noise level (measured in anechoic room)		dB <A>	64.5		
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed		
	Gas	mm (in.)	41.28(1-5/8") Brazed		

Set Model

Model			PUHY-P400YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D		mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760	
		in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight		kg (lb)	245 (541)		245 (541)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter		Inverter	
	Motor output	kW	10.5		12	
	Case heater	kW	0.045		0.045	
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	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	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge		R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)	
	Control		LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	15.88 (5/8") Brazed		15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External		KE94C140		KB94G535	
	Wiring		KE94C140		KE94C140	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.: PUHY_YHM-A_SPC_EUDB_P850_56

1. SPECIFICATIONS

DATA G4

Model			PUHY-P900YSHM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz				
Cooling capacity (Nominal)	*1 kW	101.0			
	*1 kcal / h	86,900			
	*1 Btu / h	344,600			
	*2 kcal / h	90,000			
	Power input	kW	33.33		
Current input	A	56.2-53.4-51.5			
COP (kW / kW)	3.03				
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3 kW	113.0			
	*3 kcal / h	97,200			
	*3 Btu / h	385,600			
	Power input	kW	30.29		
	Current input	A	51.1-48.5-46.8		
COP (kW / kW)	3.73				
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)		
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)		
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity			
	Model / Quantity	P15 - P250/1 - 50			
Noise level (measured in anechoic room)	dB <A>	64.5			
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed		
	Gas	mm (in.)	41.28(1-5/8") Brazed		

Set Model

Model			PUHY-P450YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)			
			<MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760		
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"		
Net weight	kg (lb)	245 (541)		245 (541)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	12.0		12.0	
	Case heater	kW	0.045		0.045	
	Lubricant	MEL32				
FAN	Air flow rate	m ³ / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa		
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	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	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
	Fan motor		Thermal switch			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit				
Pipe between unit distributor	Liquid	mm (in.)	15.88 (5/8") Brazed		15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External	KB94G535				
	Wiring	KE94C140		KE94C140		
Standard attachment	Document	Installation Manual				
	Accessory	Refrigerant conn. pipe				
Optional parts			Outdoor Twinning Kit : CMY-Y200VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P900_56

Model		PUHY-P950YSHM-A(-BS)	
Power source		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	108.0	
	*1 kcal / h	92,900	
	*1 Btu / h	368,500	
	*2 kcal / h	95,000	
	Power input kW	30.68	
Current input	A	51.7-49.2-47.4	
COP (kW / kW)		3.52	
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)
Heating capacity (Nominal)	*3 kW	119.5	
	*3 kcal / h	102,800	
	*3 Btu / h	407,700	
	Power input kW	30.02	
	Current input	A	50.6-48.1-46.4
COP (kW / kW)		3.98	
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity	
	Model / Quantity	P15 - P250/1 - 50	
Noise level (measured in anechoic room)	dB <A>	64	
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	41.28(1-5/8") Brazed

Set Model

Model		PUHY-P250YHM-A(-BS)		PUHY-P300YHM-A(-BS)		PUHY-P400YHM-A(-BS)	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight	kg (lb)	200 (441)	215 (474)	245 (541)	245 (541)	245 (541)	245 (541)
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor					
	Maker	MITSUBISHI ELECTRIC CORPORATION					
	Starting method	Inverter		Inverter		Inverter	
	Motor output kW	6.7		8.2		10.5	
	Case heater kW	0.035		0.045		0.045	
	Lubricant	MEL32					
FAN	Air flow rate	m ³ / min	185	185	225	225	225
		L / s	3,083	3,083	3,750	3,750	3,750
		cfm	6,532	6,532	7,945	7,945	7,945
	External static press.	0 - 30 - 60Pa		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure					
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)					
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection					
	Compressor	Over-heat protection					
	Fan motor	Thermal switch					
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)					
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)	R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control	LEV and HIC circuit					
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	12.7 (1/2") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed
Drawing	External	KB94G536					
	Wiring	KE94C140		KE94C140		KE94C140	
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					
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.					

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P950_56

1. SPECIFICATIONS

DATA G4

Model		PUHY-P1000YSHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	113.0		
	*1 kcal / h	97,200		
	*1 Btu / h	385,600		
	*2 kcal / h	100,000		
	Power input	kW	32.47	
Current input	A	54.8-52.0-50.1		
COP (kW / kW)		3.48		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	127.0		
	*3 kcal / h	109,200		
	*3 Btu / h	433,300		
	Power input	kW	33.15	
	Current input	A	55.9-53.1-51.2	
COP (kW / kW)		3.83		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		
	Model / Quantity	P15 - P250/2 - 50		
Noise level (measured in anechoic room)		dB <A>	64.0	
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed	
	Gas	mm (in.)	41.28(1-5/8") Brazed	

Set Model

Model		PUHY-P300YHM-A(-BS)		PUHY-P300YHM-A(-BS)		PUHY-P400YHM-A(-BS)		
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)	215 (474)	215 (474)	245 (541)	245 (541)	245 (541)	245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor						
	Maker	MITSUBISHI ELECTRIC CORPORATION						
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	8.2	8.2	10.5	10.5	10.5	
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	
Lubricant		MEL32		MEL32		MEL32		
FAN	Air flow rate	m ³ / min	185	185	225	225	225	
		L / s	3,083	3,083	3,750	3,750	3,750	
		cfm	6,532	6,532	7,945	7,945	7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure						
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)						
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection						
	Compressor	Over-heat protection						
	Fan motor	Thermal switch						
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)						
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)		R410A x 9.0 kg (20lb)		R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit						
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed	
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	
Drawing	External	KB94G536						
	Wiring	KE94C140		KE94C140		KE94C140		
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						
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.						

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.: PUHY_YHM-A_SPC_EUDB_P1000_56

Model		PUHY-P1050YSHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	118.0		
	*1 kcal / h	101,500		
	*1 Btu / h	402,600		
	*2 kcal / h	105,000		
	Power input	kW	33.90	
Current input	A	57.2-54.3-52.4		
COP (kW / kW)		3.48		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	132.0		
	*3 kcal / h	113,500		
	*3 Btu / h	450,400		
	Power input	kW	35.01	
	Current input	A	59.1-56.1-54.1	
COP (kW / kW)		3.77		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		
	Model / Quantity	P15 - P250/2 - 50		
Noise level (measured in anechoic room)	dB <A>	64		
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed	
	Gas	mm (in.)	41.28(1-5/8") Brazed	

Set Model

Model		PUHY-P300YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P400YHM-A(-BS)	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	
	in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)	215 (474)	245 (541)	245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor			
	Maker	MITSUBISHI ELECTRIC CORPORATION			
	Starting method	Inverter	Inverter	Inverter	
	Motor output	kW	8.2	10.3	10.5
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m ³ / min	185	225	225
		L / s	3,083	3,750	3,750
		cfm	6,532	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
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	
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection			
	Compressor	Over-heat protection			
	Fan motor	Thermal switch			
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	
	Control	LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed	15.88 (5/8") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed
Drawing	External	KB94G537			
	Wiring	KE94C140	KE94C140	KE94C140	
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			
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
	*Nominal condition *1,*3 are subject to JIS B8615-1			*Above specification data is subject to rounding variation.
	*Due to continuing improvement, above specifications may be subject to change without notice.			

Ref.:PUHY_YHM-A_SPC_EUDB_P1050_56

1. SPECIFICATIONS

DATA G4

Model		PUHY-P1100YSHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	124.0		
	*1 kcal / h	106,600		
	*1 Btu / h	423,100		
	*2 kcal / h	110,000		
	Power input	kW	35.83	
Current input	A	60.4-57.4-55.3		
COP (kW / kW)		3.46		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	140.0		
	*3 kcal / h	120,400		
	*3 Btu / h	477,700		
	Power input	kW	36.93	
	Current input	A	62.3-59.2-57.0	
COP (kW / kW)		3.79		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		
	Model / Quantity	P15 - P250/2 - 50		
Noise level (measured in anechoic room)	dB <A>	64		
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed	
	Gas	mm (in.)	41.28(1-5/8") Brazed	

Set Model

Model		PUHY-P350YHM-A(-BS)		PUHY-P350YHM-A(-BS)		PUHY-P400YHM-A(-BS)		
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760		1,710(without legs 1,650)x1220x760		
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"		67-3/8"(without legs 65")x48-1/16"x29-15/16"		
Net weight	kg (lb)	245 (541)		245 (541)		245 (541)		
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Maker	MITSUBISHI ELECTRIC CORPORATION						
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	10.3		10.3		10.5	
	Case heater	kW	0.045		0.045		0.045	
	Lubricant		MEL32		MEL32		MEL32	
FAN	Air flow rate	m ³ / min	225		225		225	
		L / s	3,750		3,750		3,750	
		cfm	7,945		7,945		7,945	
	External static press.		0 - 30 - 60Pa		0 - 30 - 60Pa		0 - 30 - 60Pa	
	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure						
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)						
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection						
	Compressor	Over-heat protection						
	Fan motor	Thermal switch						
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)						
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)		R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit						
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed		12.7 (1/2") Brazed		15.88 (5/8") Brazed	
	Gas	mm (in.)	28.58(1-1/8") Brazed		28.58(1-1/8") Brazed		28.58(1-1/8") Brazed	
Drawing	External	KB94G538						
	Wiring	KE94C140		KE94C140		KE94C140		
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						
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.						

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.:PUHY_YHM-A_SPC_EUDB_P1100_56

Model		PUHY-P1150YSHM-A(-BS)	
Power source		3-phase 4-wire to 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	130.0	
	*1 kcal / h	111,800	
	*1 Btu / h	443,600	
	*2 kcal / h	115,000	
	Power input kW	39.39	
Current input	A	66.4-63.1-60.8	
COP (kW / kW)		3.30	
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)
Heating capacity (Nominal)	*3 kW	145.0	
	*3 kcal / h	124,700	
	*3 Btu / h	494,700	
	Power input kW	39.08	
	Current input	A	65.9-62.6-60.4
COP (kW / kW)		3.71	
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity	
	Model / Quantity	P15 - P250/2 - 50	
Noise level (measured in anechoic room)	dB <A>	64.5	
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	41.28(1-5/8") Brazed

Set Model

Model		PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P450YHM-A(-BS)	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	
Net weight	kg (lb)	245 (541)	245 (541)	245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Maker	MITSUBISHI ELECTRIC CORPORATION			
	Starting method	Inverter	Inverter	Inverter	
	Motor output kW	10.3	10.3	12.0	
	Case heater kW	0.045	0.045	0.045	
	Lubricant	MEL32	MEL32	MEL32	
FAN	Air flow rate	m ³ / min	225	225	225
		L / s	3,750	3,750	3,750
		cfm	7,945	7,945	7,945
	External static press.	0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa	
	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	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		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure			
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)			
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection			
	Compressor	Over-heat protection			
	Fan motor	Thermal switch			
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 11.5 kg to (26lb)	R410A x 11.5 kg to (26lb)	R410A x 11.5 kg to (26lb)	
	Control	LEV and HIC circuit			
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed	15.88 (5/8") Brazed
	Gas	mm (in.)	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed
Drawing	External	KB94G538			
	Wiring	KE94C140	KE94C140	KE94C140	
Standard attachment	Document	Installation Manual			
	Accessory	Refrigerant conn. to pipe			
Optional parts		Outdoor Twinning Kit : CMY-Y300VBK2 joint : CMY-Y102S/L-G2, CMY-Y202/302-G2 Header : CMY-Y104/108/1010-G			
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
	*Nominal condition *1,*3 are subject to JIS B8615-1			*Above specification data is subject to rounding variation.
	*Due to continuing improvement, above specifications may be subject to change without notice.			

Ref.:PUHY_YHM-A_SPC_EUDB_P1150_56

1. SPECIFICATIONS

DATA G4

Model		PUHY-P1200YSHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	136.0		
	*1 kcal / h	117,000		
	*1 Btu / h	464,000		
	*2 kcal / h	120,000		
	Power input	kW	41.71	
Current input	A	70.4-66.8-64.4		
COP (kW / kW)		3.26		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)	
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)	
Heating capacity (Nominal)	*3 kW	150.0		
	*3 kcal / h	129,000		
	*3 Btu / h	511,800		
	Power input	kW	40.10	
	Current input	A	67.6-64.3-61.9	
COP (kW / kW)		3.74		
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)	
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity		
	Model / Quantity	P15 - P250/2 - 50		
Noise level (measured in anechoic room)		dB <A>	65	
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed	
	Gas	mm (in.)	41.28(1-5/8") Brazed	

Set Model

Model		PUHY-P350YHM-A(-BS)		PUHY-P400YHM-A(-BS)		PUHY-P450YHM-A(-BS)	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight	kg (lb)	245 (541)	245 (541)	245 (541)	245 (541)	245 (541)	245 (541)
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor	Type	Inverter scroll hermetic compressor					
	Maker	MITSUBISHI ELECTRIC CORPORATION					
	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW	10.3	10.5	12.0		
	Case heater	kW	0.045	0.045	0.045		
Lubricant		MEL32	MEL32	MEL32			
FAN	Air flow rate	m ³ / min	225	225	225		
		L / s	3,750	3,750	3,750		
		cfm	7,945	7,945	7,945		
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa		
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1		
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			
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure					
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)					
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection					
	Compressor	Over-heat protection					
	Fan motor	Thermal switch					
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)					
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)		
	Control	LEV and HIC circuit					
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed		
	Gas	mm (in.)	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed		
Drawing	External	KB94G538					
	Wiring	KE94C140		KE94C140		KE94C140	
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					
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.					

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*Due to continuing improvement, above specifications may be subject to change without notice.				

Ref.: PUHY_YHM-A_SPC_EUDB_P1200_56

Model		PUHY-P1250YSHM-A(-BS)	
Power source		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	140.0	
	*1 kcal / h	120,400	
	*1 Btu / h	477,700	
	*2 kcal / h	125,000	
	Power input kW	45.01	
Current input	A	75.9-72.1-69.5	
COP (kW / kW)		3.11	
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)
Heating capacity (Nominal)	*3 kW	156.5	
	*3 kcal / h	134,600	
	*3 Btu / h	534,000	
	Power input kW	42.06	
	Current input	A	71.0-67.4-65.0
COP (kW / kW)		3.72	
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)
Indoor unit connectable	Total capacity	50 - 130% of outdoor unit capacity	
	Model / Quantity	P15 - P250/2 - 50	
Noise level (measured in anechoic room)	dB <A>	65.5	
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	41.28(1-5/8") Brazed

Set Model

Model		PUHY-P350YHM-A(-BS)	PUHY-P450YHM-A(-BS)	PUHY-P450YHM-A(-BS)
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D	mm	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760	1,710(without legs 1,650)x1220x760
	in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight	kg (lb)	245 (541)	245 (541)	245 (541)
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker	MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter	Inverter	Inverter
	Motor output kW	10.3	12.0	12.0
	Case heater kW	0.045	0.045	0.045
	Lubricant	MEL32	MEL32	MEL32
FAN	Air flow rate	m ³ / min	225	225
		L / s	3,750	3,750
		cfm	7,945	7,945
	External static press.	0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	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	
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure		
Protection	High pressure protection	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		
	Fan motor	Thermal switch		
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control	LEV and HIC circuit		
Pipe between unit distributor	Liquid	12.7 (1/2") Brazed	15.88 (5/8") Brazed	15.88 (5/8") Brazed
	Gas	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed	28.58(1-1/8") Brazed
Drawing	External	KB94G538		
	Wiring	KE94C140	KE94C140	KE94C140
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		
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
	Indoor : 27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
	Outdoor : 35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h = kW x 3,412
	Pipe length : 7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)	cfm = m ³ /min x 35.31
	Level difference : 0m(0ft)	0m(0ft)	0m(0ft)	lb = kg/0.4536
	*Nominal condition *1,*3 are subject to JIS B8615-1			*Above specification data is subject to rounding variation.
	*Due to continuing improvement, above specifications may be subject to change without notice.			

Ref.:PUHY_YHM-A_SPC_EUDB_P1250_56

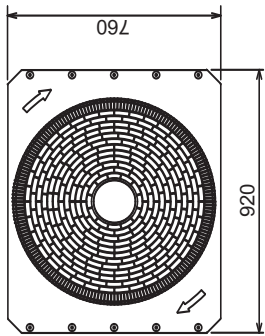
PUHY-P250,300YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P300_Y1
Unit : mm

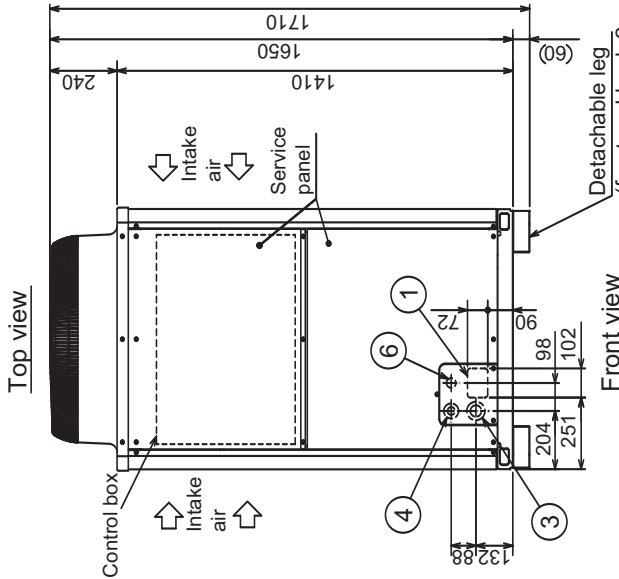
- <Accessories>
● Connecting pipe
- <Gas>
• Elbow (ID25.4XOD25.4)...P250,P300 1pc.
• Pipe (ID25.4XOD22.2)...P250,P300 1pc.
- <Liquid>
• Pipe (ID9.52XOD9.52)...P250 1pc.
• Pipe (ID12.7XOD12.7)...P300 1pc.
• Pipe (ID12.7XOD9.52)...P300 1pc.

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.

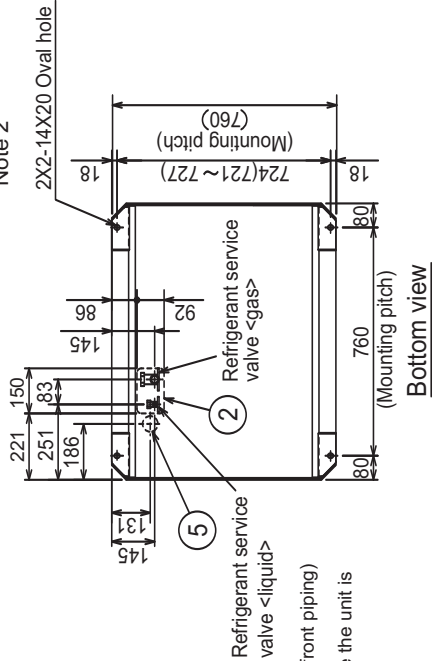
NO.	Usage	Specifications
①	Front through hole	102X72 Knockout hole
②	Bottom through hole	150X92 Knockout hole
③	Front through hole	Ø65 or Ø40 Knockout hole
④	Front through hole	Ø52 or Ø27 Knockout hole
⑤	Bottom through hole	Ø52 Knockout hole
⑥	Front through hole	Ø34 Knockout hole



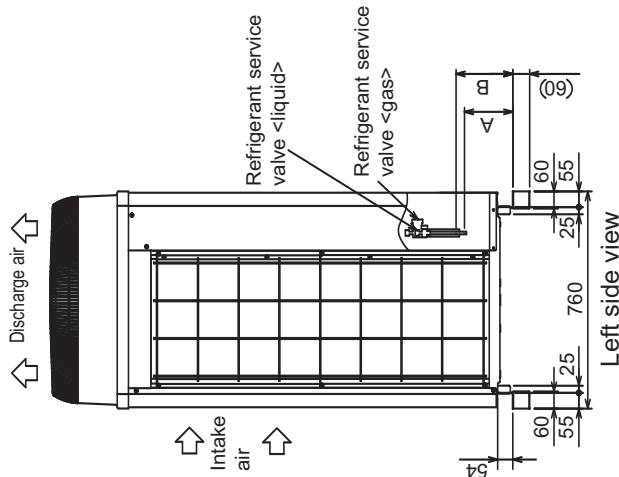
Top view



Front view



Bottom view



Left side view

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	Liquid	Gas	Liquid	Gas
PUHY-P250YHM	142	B	Ø9.52 Brazeed	
PUHY-P300YHM	143	172	Ø9.52 Brazeed (Ø12.7 Brazeed)*2	Ø22.2 Brazeed

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

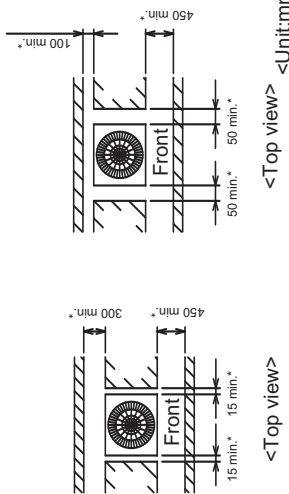
PUHY-P250,300YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P300_Y2
Unit : mm

1. Required space around the unit

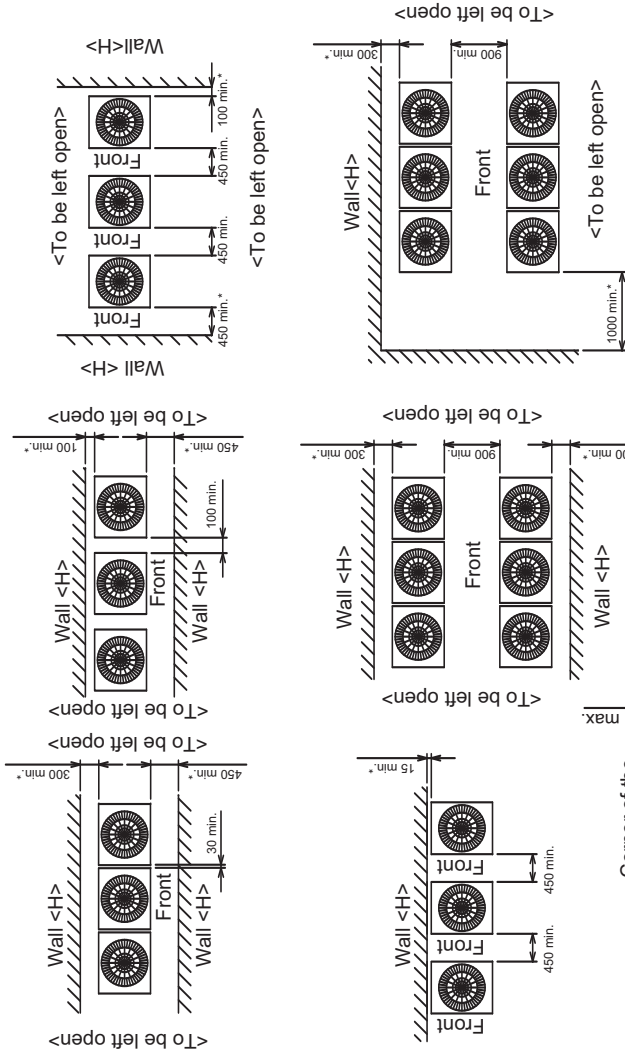
● In case of single installation

- 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

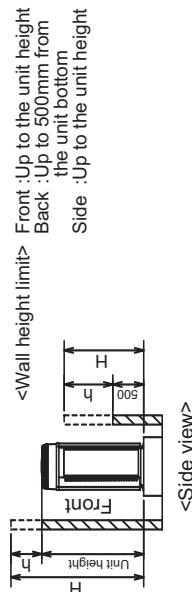


● In case of collective installation

- 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.



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



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
- ② Note that the drain water comes out of the unit during operation.> Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A,B)
- When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- 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 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.

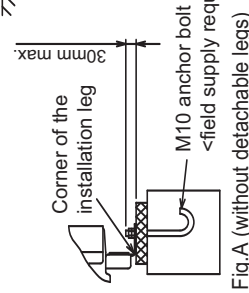


Fig.A (without detachable legs)

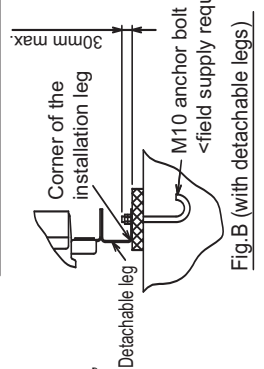


Fig.B (with detachable legs)

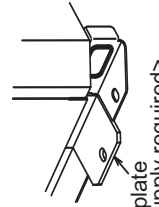


Fig.C (without detachable legs)

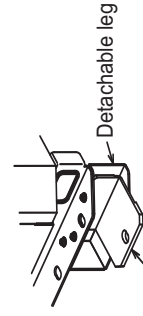


Fig.D (with detachable legs)

PUHY-P350,400,450YHM-A(-BS)

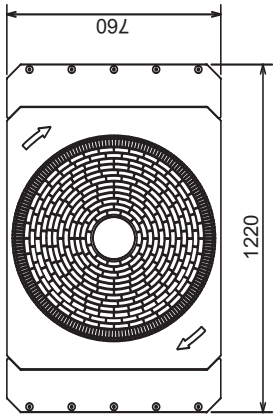
Ref. : PUHY_YHM-A_EXD_EUDB_P350-P450_Y1

Unit : mm

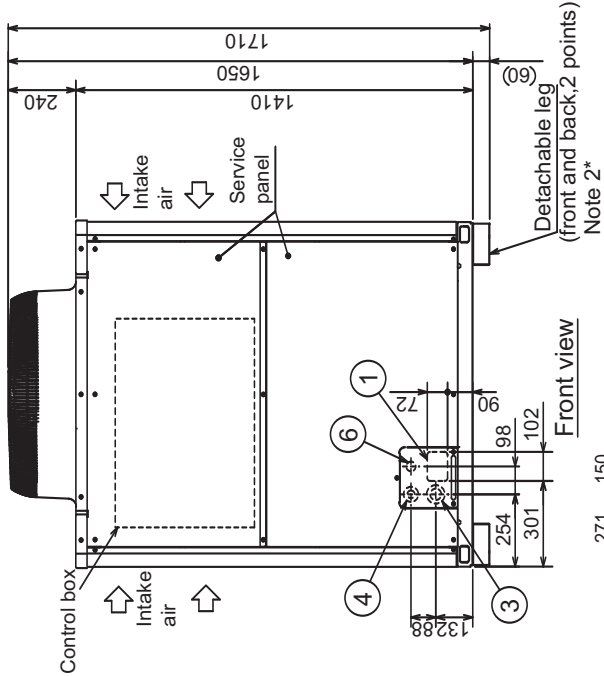
- <Accessories>
 ● Connecting pipe
 <Gas>
 • Elbow (ID25.4XOD25.4).....P350,P400,P450 1pc.
 • Pipe (ID25.4XOD28.58).....P350,P400,P450 1pc.
 <Liquid>
 • Pipe (ID15.88XOD15.88).....P350,P400,P450 1pc.
 • Pipe (ID15.88XOD12.7).....P350,P400 1pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. The detachable leg can be removed at site.
 3. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

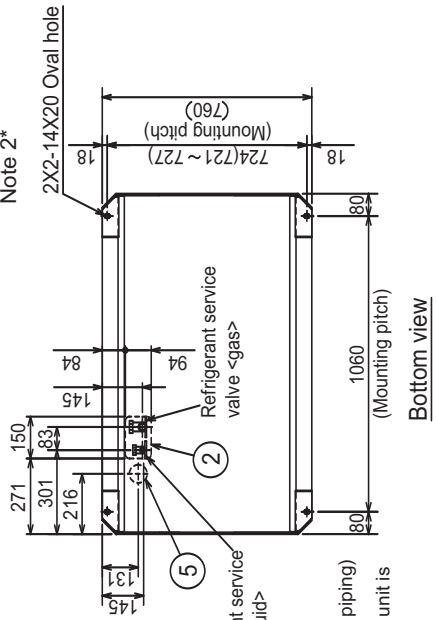
NO.	Usage	Specifications
①	Front through hole	102X72 Knockout hole
②	Bottom through hole	150X94 Knockout hole
③	Front through hole	ø 65 or ø40 Knockout hole
④	Front through hole	ø 52 or ø27 Knockout hole
⑤	Bottom through hole	ø 65 Knockout hole
⑥	Front through hole	ø 34 Knockout hole



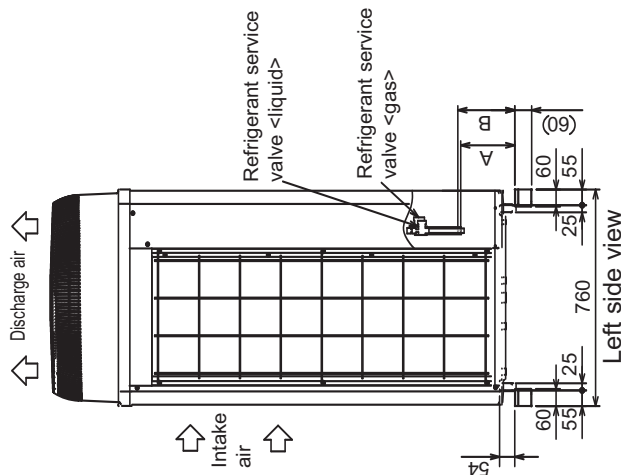
Top view



Front view



Bottom view



Left side view

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	Liquid	Gas	Liquid	Gas
PUHY-P350YHM	A	B	ø12.7 Braze	Gas
PUHY-P400YHM	158	172	ø12.7 Braze (ø15.88 Braze)*2	ø28.88 Braze
PUHY-P450YHM			ø15.88 Braze	

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
 *2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

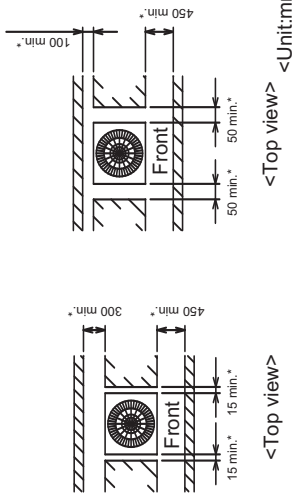
PUHY-P350,400,450YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P350-P450_Y2
Unit : mm

1. Required space around the unit

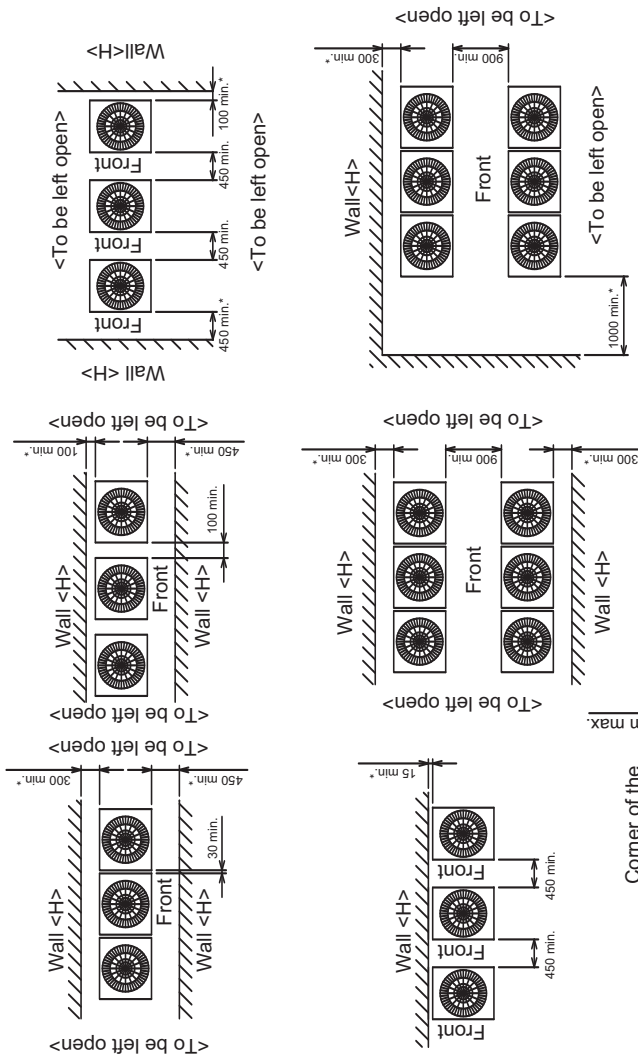
In case of single installation

- 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

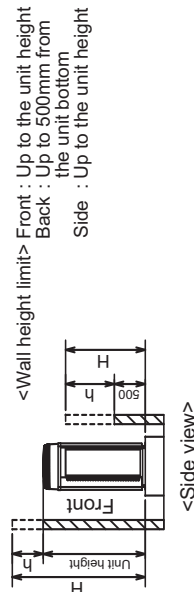


In case of collective installation

- 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.



- 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.
- 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 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.

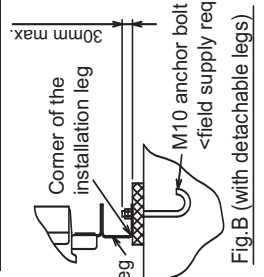
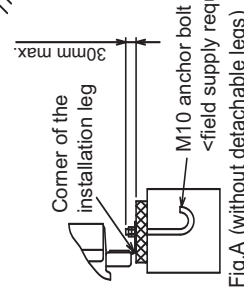


Fig.A (without detachable legs)
Fixing plate
<field supply required>

Fig.B (with detachable legs)
Detachable leg
<field supply required>



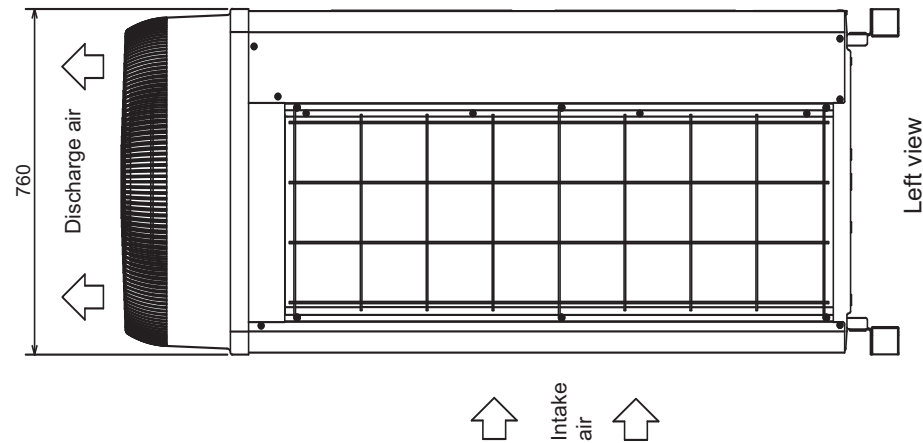
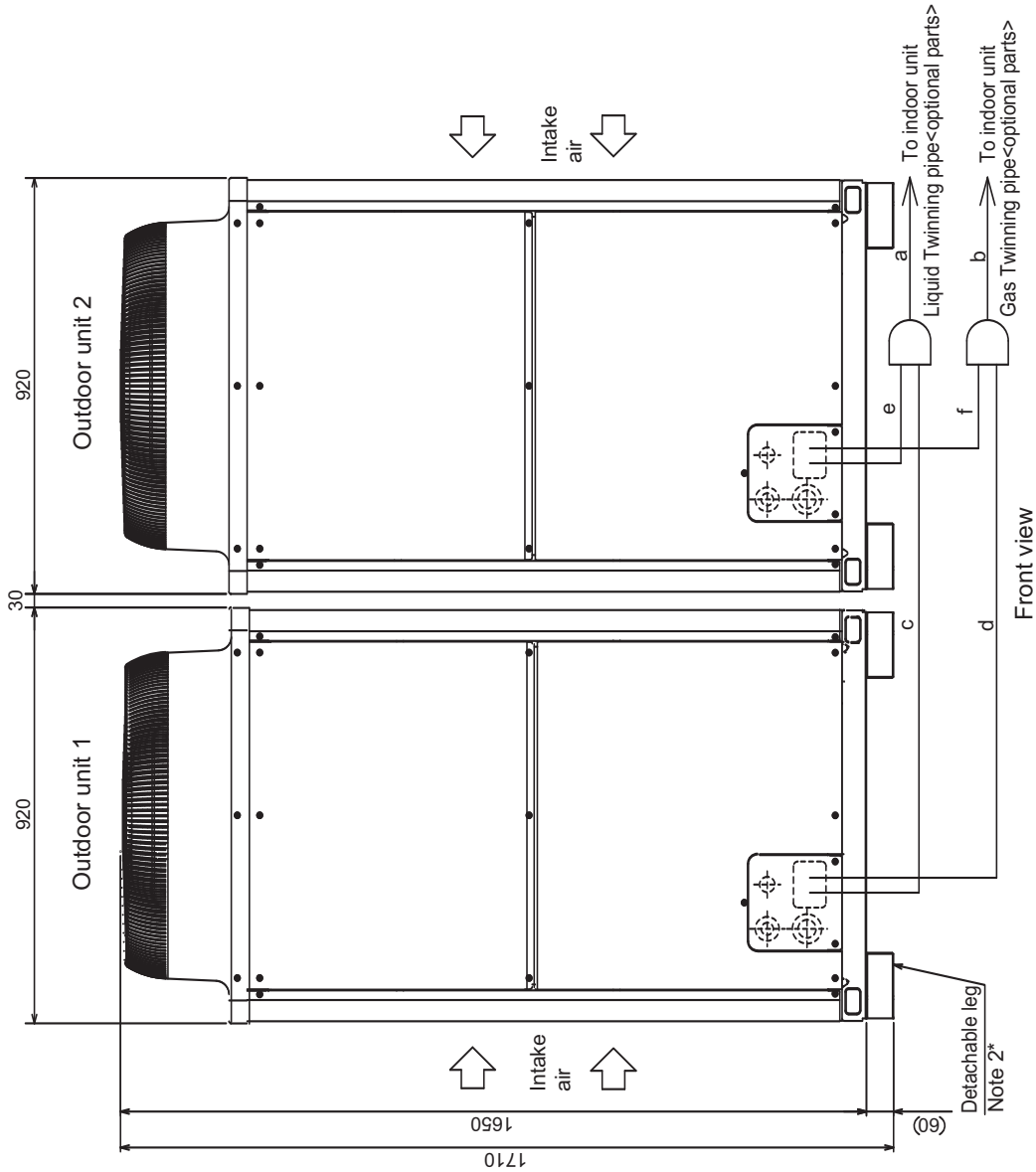
Fig.C (without detachable legs)
Fixing plate
<field supply required>



Fig.D (with detachable legs)
Fixing plate
<field supply required>

PUHY-P500,550YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P500-P550
Unit : mm



Twinning pipe connection size

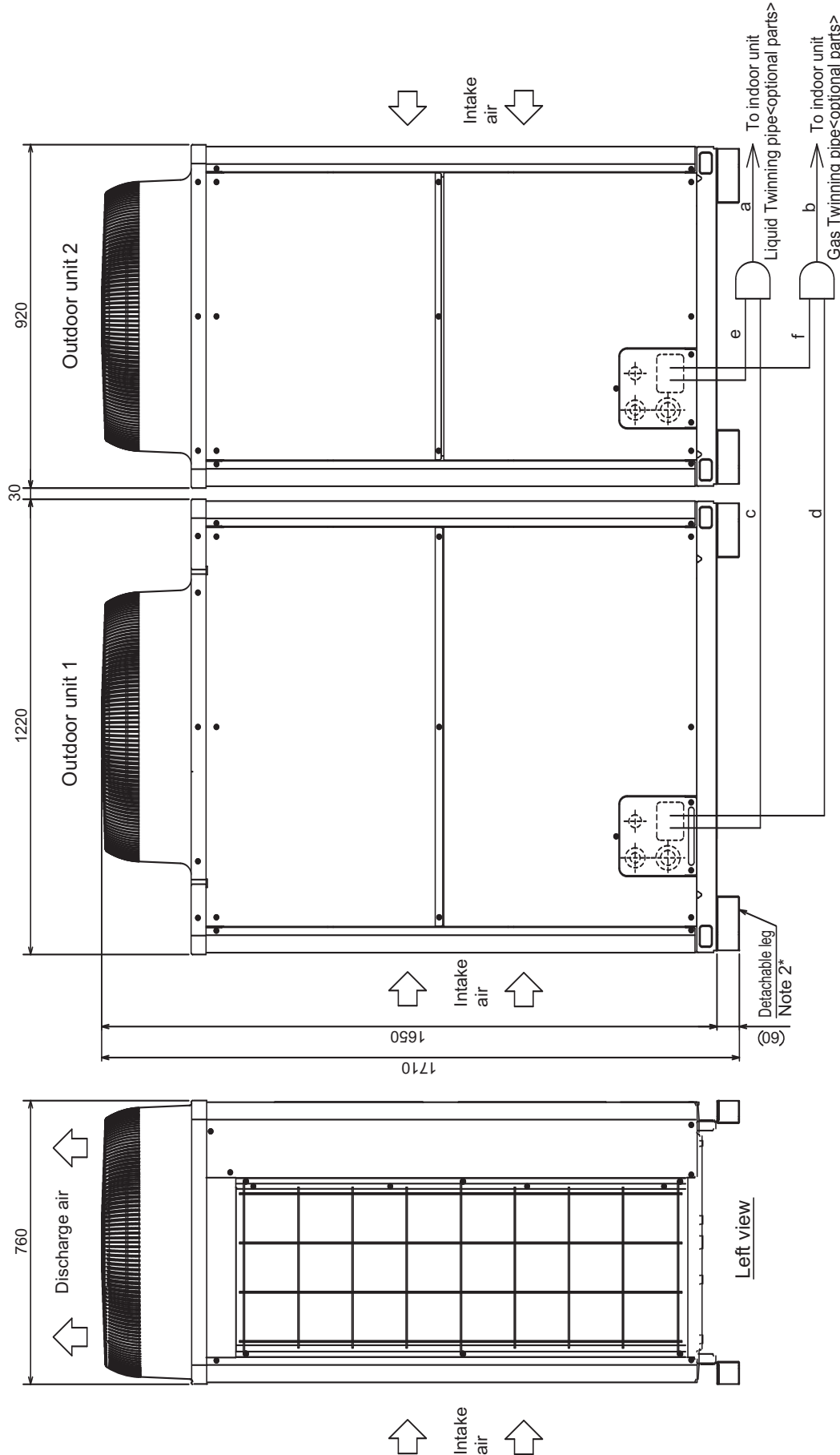
Package unit name	PUHY-P500YSHM-A(-BS)	PUHY-P550YSHM-A(-BS)
Component unit name	Outdoor unit 1	Outdoor unit 2
Outdoor Twinning Kit(optional parts)	CMY-Y100VBK2	
Indoor unit~Twinning pipe	Liquid a	Gas b
	ø15.88	ø28.58

Unit model	P250	P300
Liquid c or e	ø9.52	ø12.7
Gas d or f	ø22.2	ø22.2
Twinning pipe ~ Outdoor unit		

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. The detachable leg can be removed at site.
- Note 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P600,650YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P600-P650
Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-P600YSHM-A(-BS)	PUHY-P650YSHM-A(-BS)
Outdoor unit 1	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)
Outdoor unit 2	PUHY-P250YHM-A(-BS)	PUHY-P300YHM-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 c or e	Gas d or f
	P250	ø9.52	ø22.2
	P300	ø12.7	ø22.2
	P350	ø12.7	ø28.58

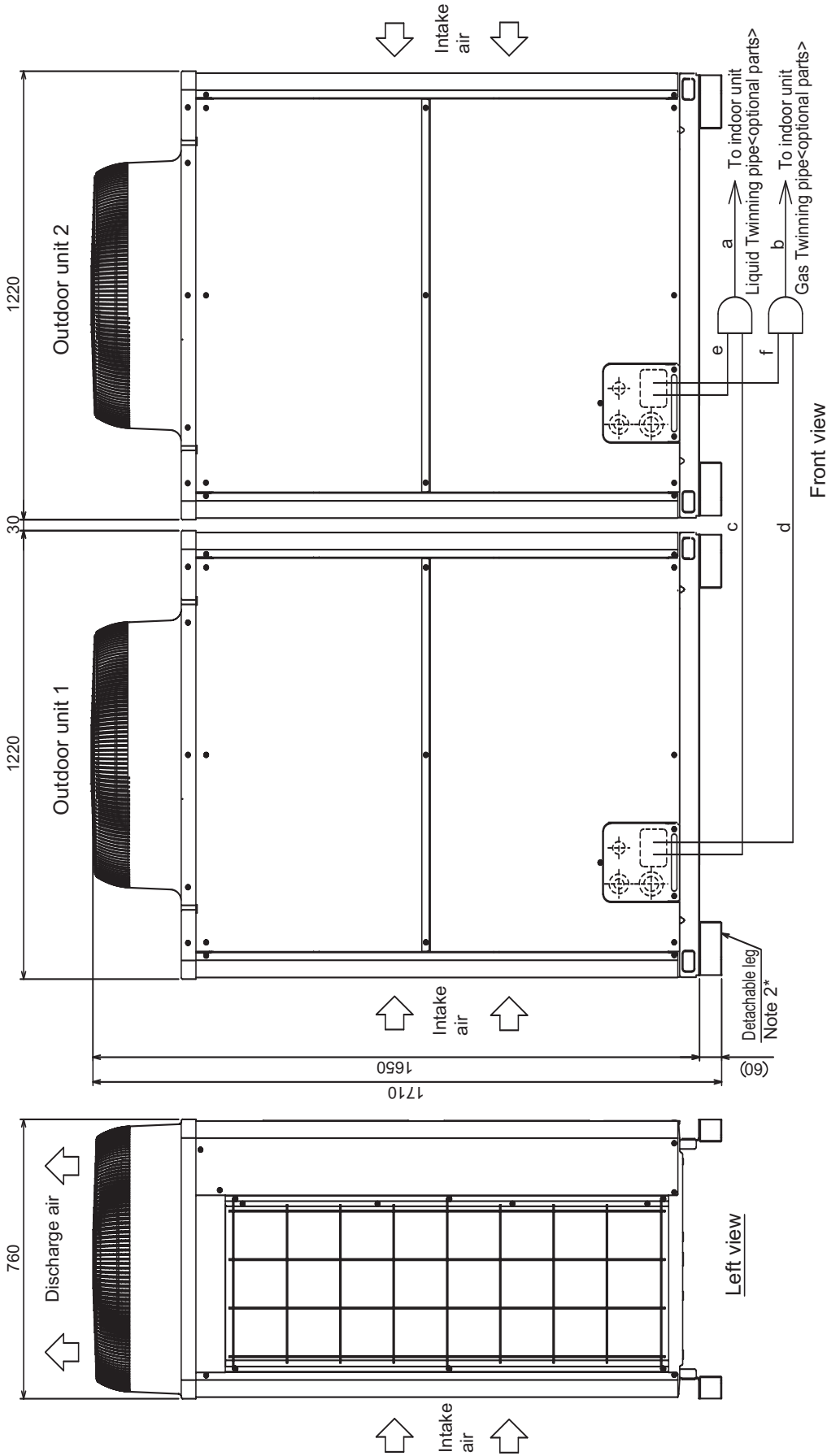
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

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

Note 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P700,750,800,850,900YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P700-P900
Unit : mm



Unit model	Liquid c or e	Gas d or f
P350	ø12.7	ø28.58
P400	ø15.88	ø28.58
P450	ø15.88	ø28.58

Twinning pipe ~ Outdoor unit

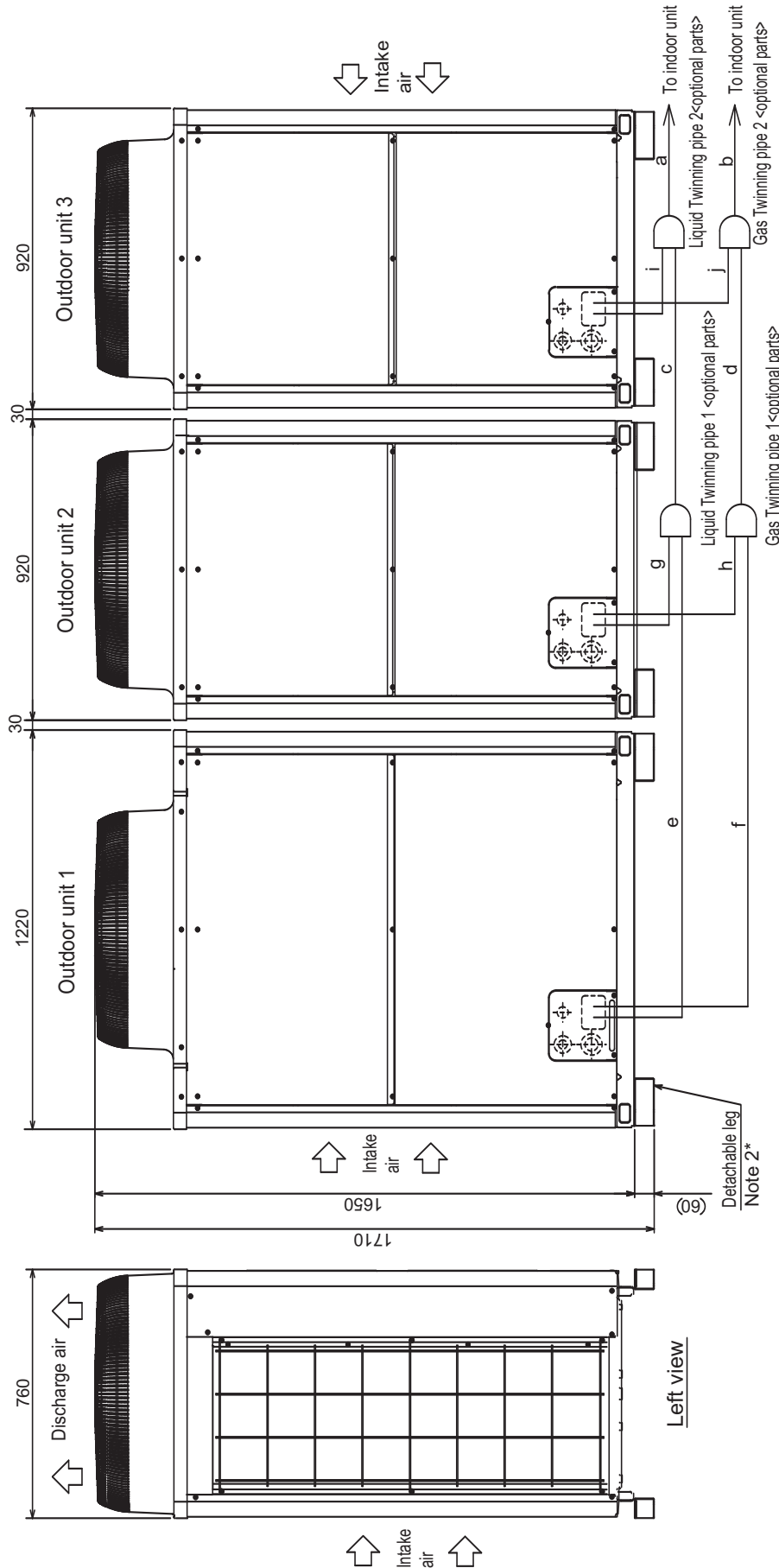
Package unit name	PUHY-P700YSHM-A(-BS)	PUHY-P750YSHM-A(-BS)	PUHY-P800YSHM-A(-BS)	PUHY-P850YSHM-A(-BS)	PUHY-P900YSHM-A(-BS)
Outdoor unit 1	PUHY-P400YHM-A(-BS)	PUHY-P450YHM-A(-BS)	PUHY-P400YHM-A(-BS)	PUHY-P450YHM-A(-BS)	PUHY-P450YHM-A(-BS)
Outdoor unit 2	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y200V/BK2				
Indoor unit ~ Twinning pipe	ø 19.05				ø 41.28
	ø 34.93				ø 41.28

Twinning pipe connection size

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. The detachable leg can be removed at site.
- Note 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P950,1000YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P950-P1000
Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-P950YSHM-A(-BS)	PUHY-P1000YSHM-A(-BS)
Outdoor unit 1	PUHY-P400YHM-A(-BS)	PUHY-P400YHM-A(-BS)
Outdoor unit 2	PUHY-P300YHM-A(-BS)	PUHY-P300YHM-A(-BS)
Outdoor unit 3	PUHY-P250YHM-A(-BS)	PUHY-P300YHM-A(-BS)
Outdoor Twinning Kit (optional parts)	CMY-Y300V/BK2	
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 e or g or i	Gas for h or j
P250	ø9.52	ø22.2
P300	ø12.7	ø22.2
P400	ø15.88	ø28.58

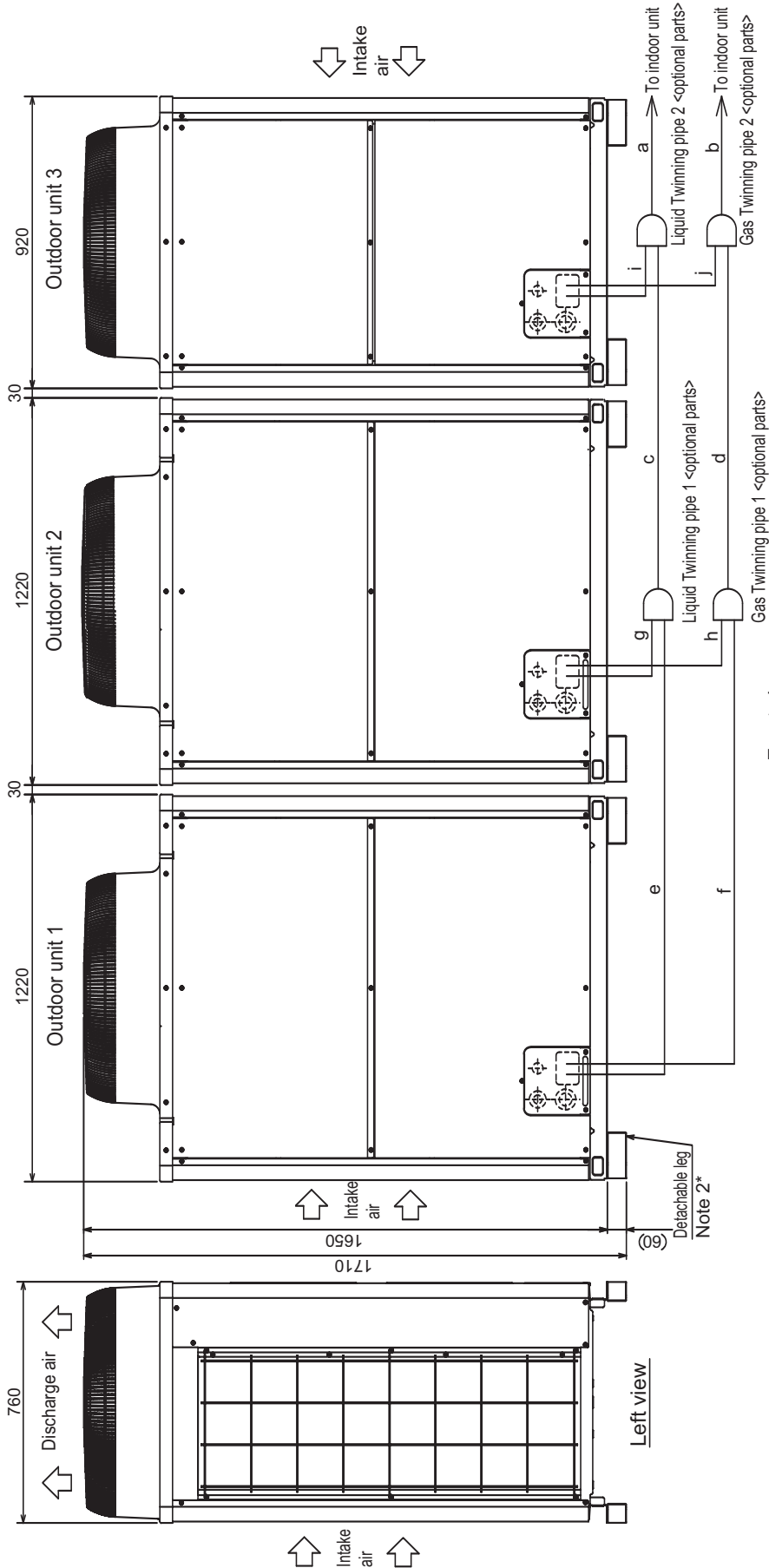
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

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

Note 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P1050YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P1050
Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-P1050YSHM-A(-BS)	
Outdoor unit 1	PUHY-P400YHM-A(-BS)	
Outdoor unit 2	PUHY-P350YHM-A(-BS)	
Outdoor unit 3	PUHY-P300YHM-A(-BS)	
Outdoor Twinning Kit(optional parts)	CMY-Y300VBK2	
Indoor unit ~ Twinning pipe 2	Liquid a	ø19.05
	Gas b	ø41.28
	Liquid c	ø19.05
Twinning pipe 1 ~ Twinning pipe 2	Liquid d	ø34.93
	Gas	

Twinning pipe ~ Outdoor unit	Unit model	Liquid	Gas
	P300	e or g or i	f or h or j
		ø12.7	ø22.2
	P350	ø12.7	ø28.58
ø15.88		ø28.58	

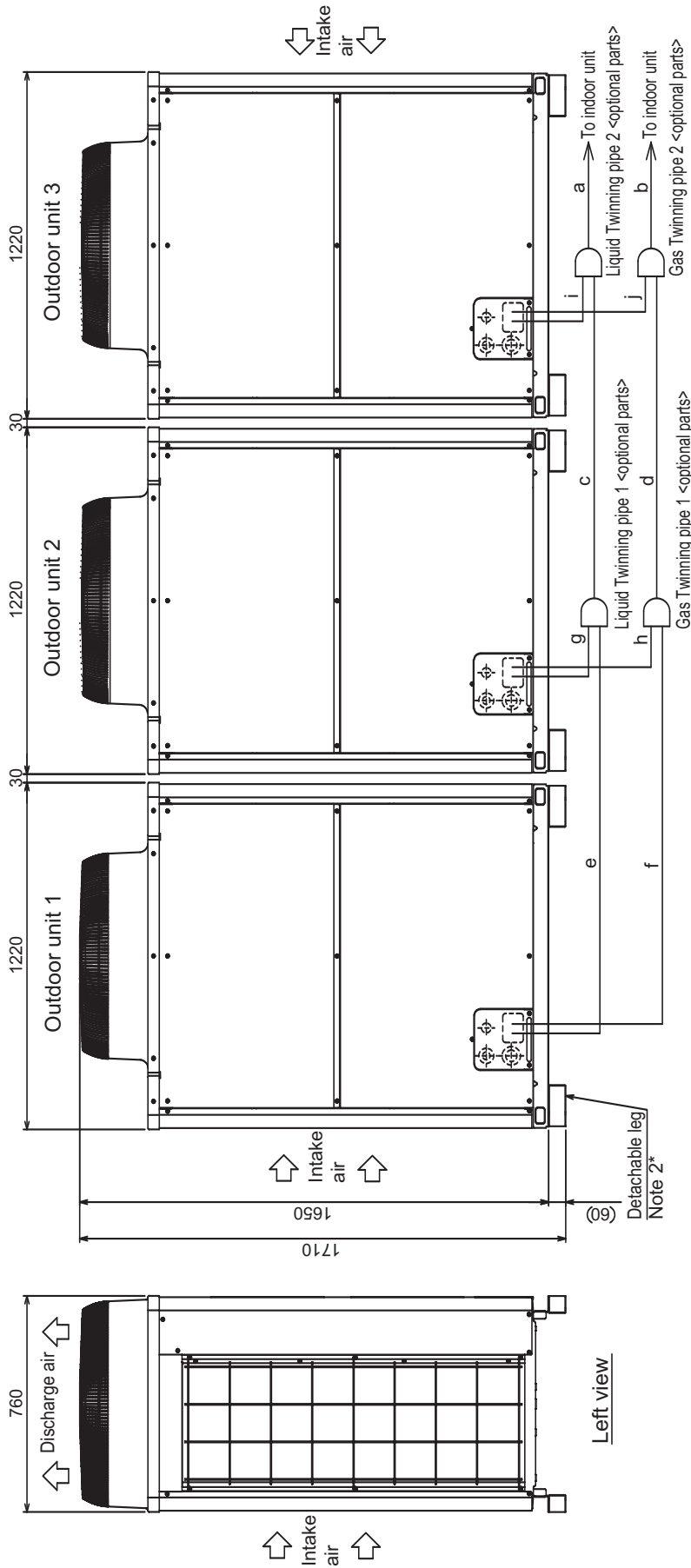
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

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

Note 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P1100,1150,1200,1250YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_P1100-P1250
Unit : mm



Front view

Left view

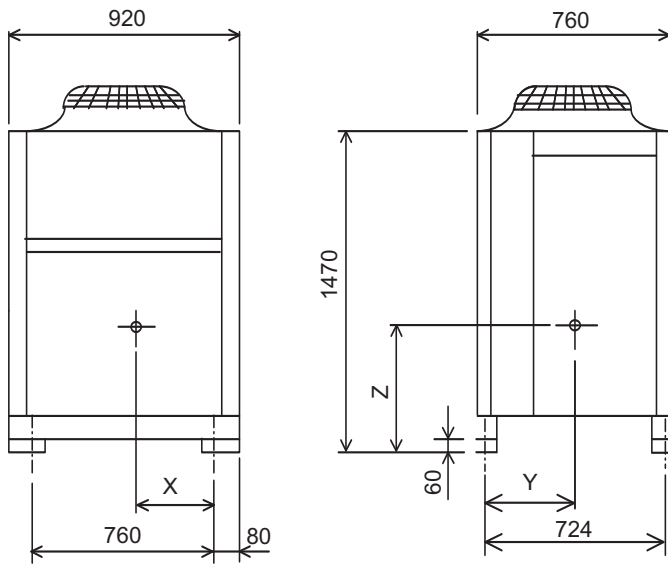
Twinning pipe connection size

Package unit name	PUHY-P1100YSHM-A(-BS)	PUHY-P1150YSHM-A(-BS)	PUHY-P1200YSHM-A(-BS)	PUHY-P1250YSHM-A(-BS)
Outdoor unit 1	PUHY-P400YHM-A(-BS)	PUHY-P450YHM-A(-BS)	PUHY-P400YHM-A(-BS)	PUHY-P450YHM-A(-BS)
Outdoor unit 2	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)
Outdoor unit 3	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)	PUHY-P350YHM-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y300VBK2			
Indoor unit~Twinning pipe 2	ø19.05			
Twinning pipe 1~Twinning pipe 2	Liquid	ø41.28		
	Gas	ø19.05		
Twinning pipe 1~Twinning pipe 2	Liquid	ø19.05		
	Gas	ø34.93		

Unit model	Liquid e or g or i	Gas f or h or j
P350	ø12.7	ø28.58
P400	ø15.88	ø28.58
P450	ø15.88	ø28.58

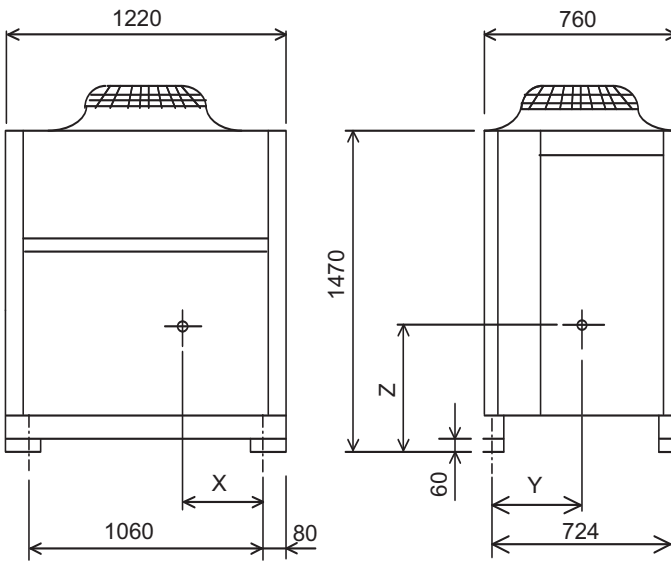
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. The detachable leg can be removed at site.
 3. Twinning pipes should not be tilted more than 15 degrees from the ground. See the Installation Manual for details.

PUHY-P250, P300, EP200YHM-A (-BS)



Model	X	Y	Z
PUHY-P250YHM-A (-BS)	334	329	652
PUHY-P300YHM-A (-BS)	320	319	632
PUHY-EP200YHM-A (-BS)	334	329	652

PUHY-P350, P400, P450, EP300YHM-A (-BS)

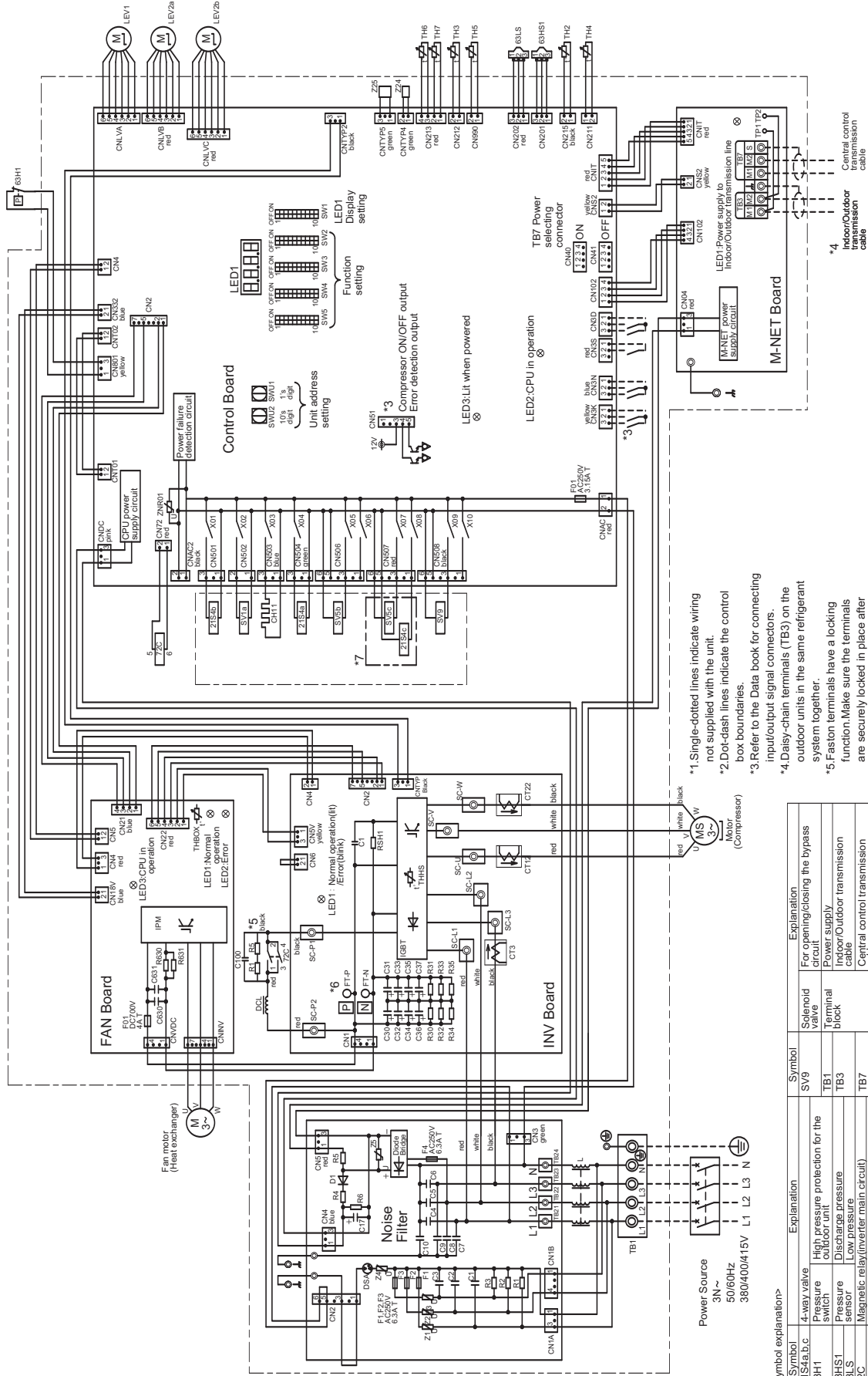


Model	X	Y	Z
PUHY-P350YHM-A (-BS)	440	329	630
PUHY-P400YHM-A (-BS)	440	329	630
PUHY-P450YHM-A (-BS)	440	329	630
PUHY-EP300YHM-A (-BS)	440	329	630

Ref. : PUHY_YHM-A_COE_EUDB_ALL

PUHY-EP200,(E)P250,300,350,400,450YHM-A(-BS)

Ref.:PUHY_YHM-A_EWD_EUDB_ALL

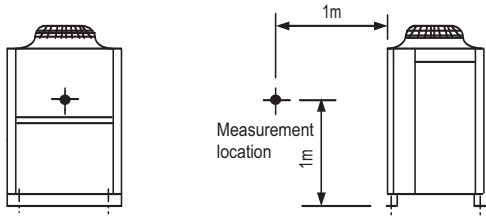


- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *5. Fasion terminals have a locking function. Make sure the terminals are securely locked in place after insertion. Press the tab on the terminals to removed 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.

Model name	Appliance
P250/P300	*7 do not exist
EP200	
P350/P400/P450	*7 exist
EP300	

Symbol	Explanation	Symbol	Explanation
Z1S4a,b,c	4-way valve	SV9	Solenoid valve
63H1	High pressure protection for the pressure sensor	SV10	Terminal block
63HS1	Discharge pressure	TB3	Power supply
63LS	Pressure sensor	TB7	Indoor/outdoor transmission cable
ZC	Magnetic relay (inverter main circuit)	TB7	Central control transmission cable
CT12.22.3	Current sensor (AC)	TH2	Subcool bypass outlet temperature
CH11	Crankcase heater (for heating the compressor)	TH3	Pipe temperature
DCL	DC reactor	TH4	Discharge pipe temperature
LEV1	Linear expansion valve	TH5	ACC inlet pipe temperature
LEV2a,b	HIC bypass/Controls refrigerant flow in HIC circuit	TH6	Subcooled liquid refrigerant temperature
SV1a	Pressure control/Refrigerant flow rate control	TH7	Oil temperature
SV5b,c	Solenoid valve	TH8X	Compressor temperature
	For opening/closing the bypass capacity control	TH8S	IGBT temperature
		Z24.25	Function setting connector

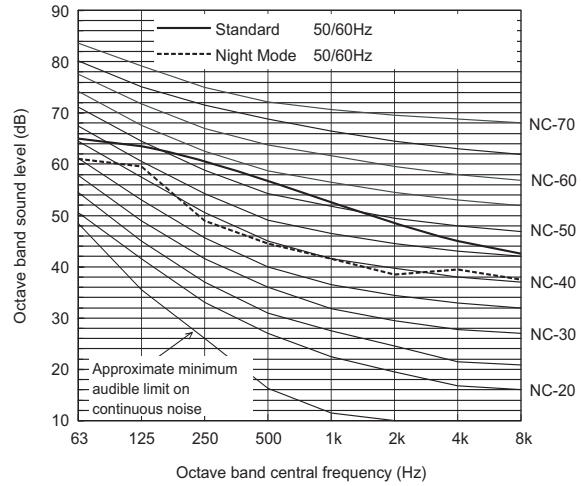
Measurement condition
PUHY-P250,300YHM



Ref.:PUHY_YHM-A_NCC_EUDB_P200-P300_Y1

Sound level of PUHY-P300YHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P300

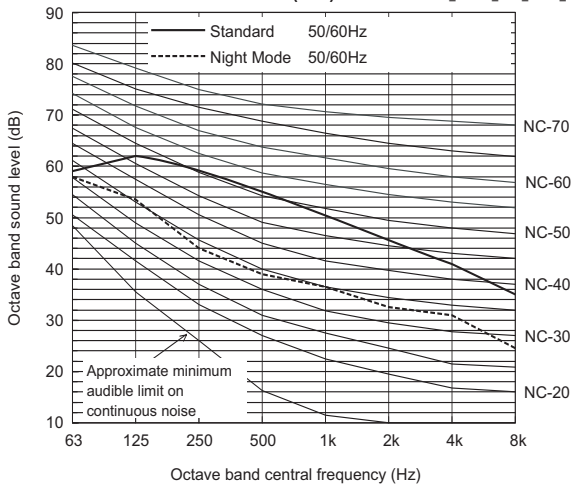


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.0	63.5	61.0	56.0	53.0	48.5	45.0	42.5	59.0
Night Mode	50/60Hz	61.0	59.5	49.0	44.5	41.5	38.5	39.5	37.5	50.0

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

Sound level of PUHY-P250YHM-A(-BS)

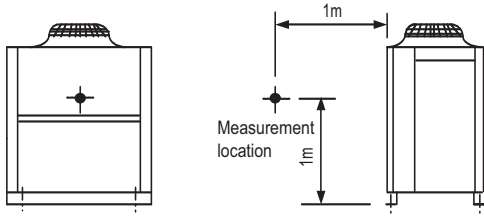
Ref.:PUHY_YHM-A_NCC_EUDB_P250



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

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

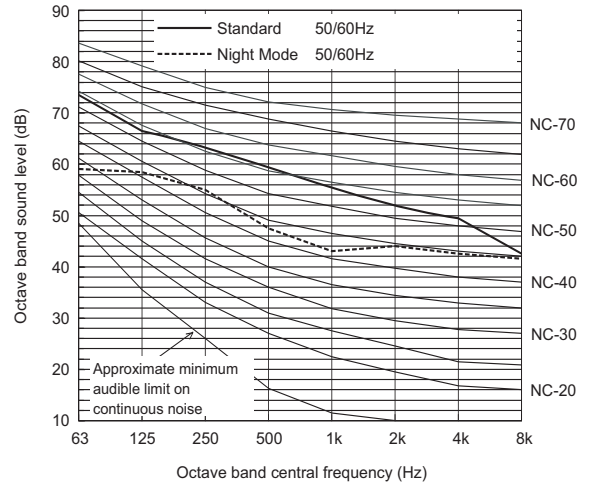
Measurement condition
PUHY-P350,400,450YHM



Ref.:PUHY_YHM-A_NCC_EUDB_P350-P450_Y1

Sound level of PUHY-P450YHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P450

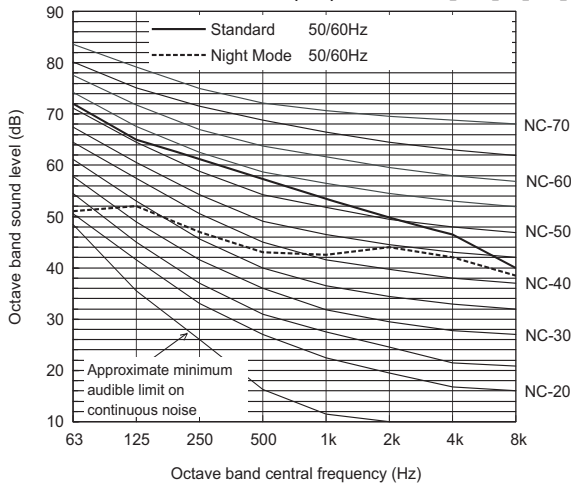


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.5	66.5	63.5	59.0	55.5	52.0	49.5	42.5	62.0
Night Mode	50/60Hz	59.0	58.5	55.0	47.5	43.0	44.0	42.5	41.5	53.0

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

Sound level of PUHY-P350YHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P350

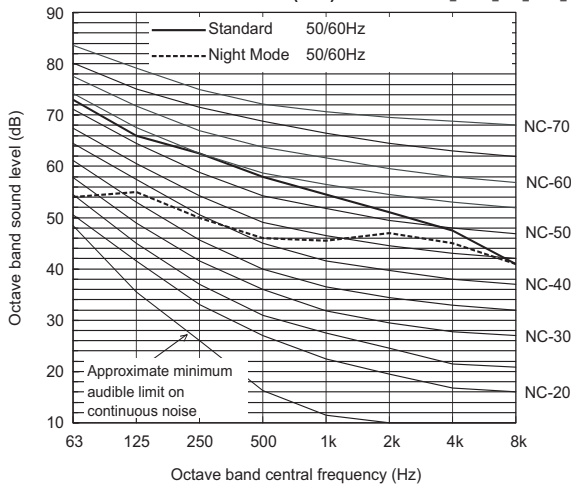


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Night Mode	50/60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

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

Sound level of PUHY-P400YHM-A(-BS)

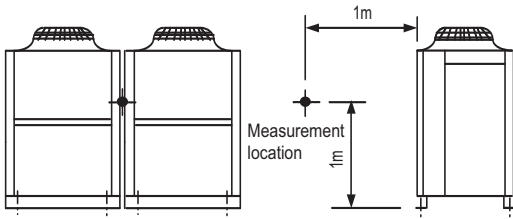
Ref.:PUHY_YHM-A_NCC_EUDB_P400



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

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

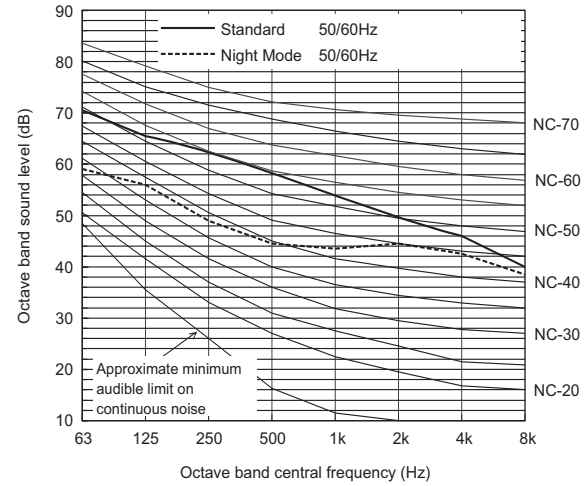
Measurement condition
PUHY-P500,550,600,650,700YSHM



Ref.:PUHY_YHM-A_NCC_EUDB_P500-P700_Y1

Sound level of PUHY-P600YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P600

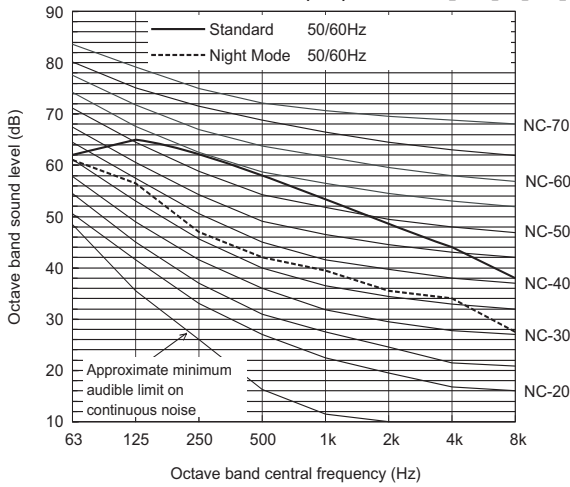


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	70.5	65.5	63.0	57.5	54.0	50.0	46.0	40.0	60.5
Night Mode	50/60Hz	59.0	56.0	49.0	44.5	43.5	44.5	42.5	38.5	51.0

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

Sound level of PUHY-P500YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P500

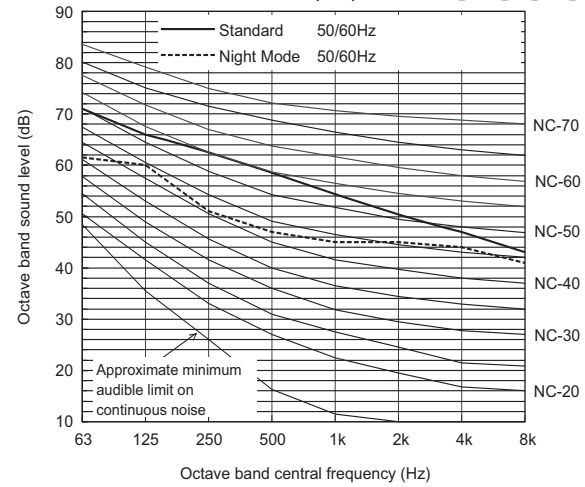


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	62.0	65.0	63.0	57.0	53.5	49.0	44.0	38.0	60.0
Night Mode	50/60Hz	61.0	56.5	47.0	42.0	39.5	35.5	34.0	27.5	47.0

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

Sound level of PUHY-P650YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P650

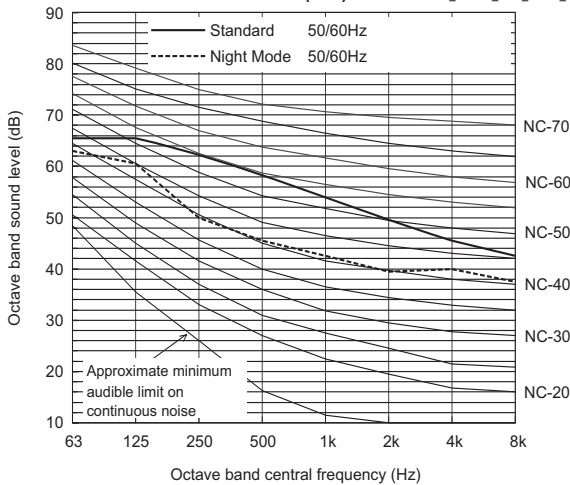


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	71.0	66.0	63.0	58.0	54.5	50.5	47.0	43.0	61.0
Night Mode	50/60Hz	61.5	60.0	51.0	47.0	45.0	45.0	44.0	41.0	53.0

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

Sound level of PUHY-P550YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P550

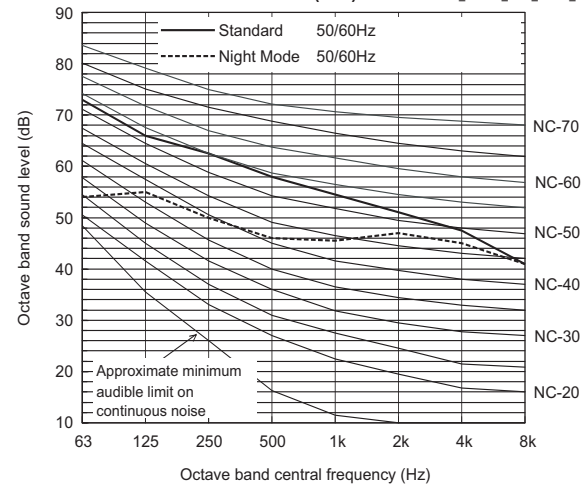


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.5	65.5	63.0	57.5	54.0	50.0	45.5	42.5	60.5
Night Mode	50/60Hz	63.0	60.5	50.0	45.5	42.5	39.5	40.0	37.5	51.0

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

Sound level of PUHY-P700YSHM-A(-BS)

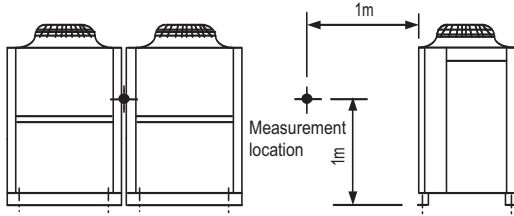
Ref.:PUHY_YHM-A_NCC_EUDB_P700



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

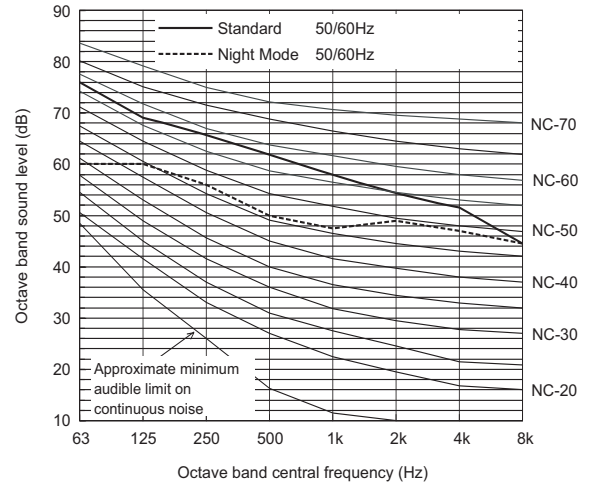
When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Measurement condition
PUHY-P750,800,850,900YSHM



Ref.:PUHY_YHM-A_NCC_EUDB_P750-P900_Y1

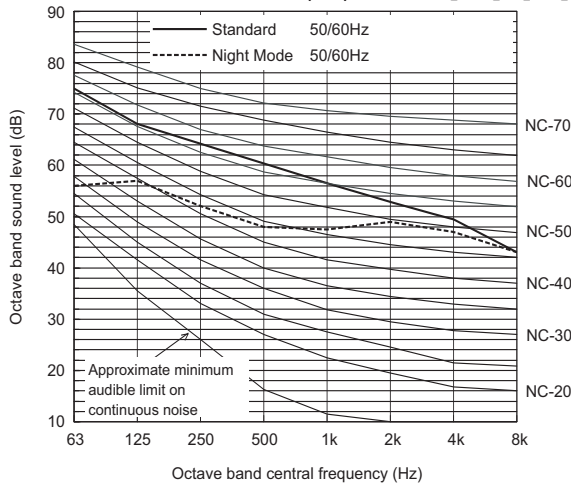
Sound level of PUHY-P850YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P850



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	76.0	69.0	66.0	61.5	58.0	54.5	51.5	44.5	64.5
Night Mode	50/60Hz	60.0	60.0	56.0	50.0	47.5	49.0	47.0	44.5	56.0

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

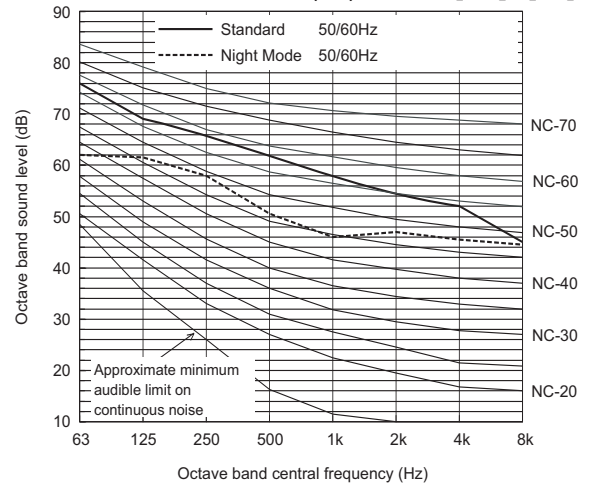
Sound level of PUHY-P750YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P750



		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
Night Mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	43.0	55.0

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

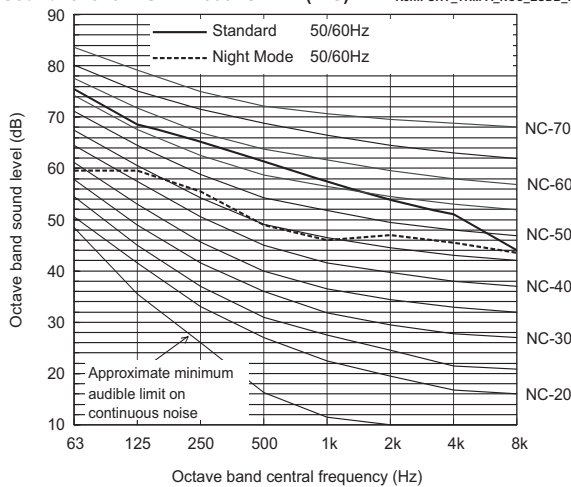
Sound level of PUHY-P900YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P900



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	76.0	69.0	66.0	61.5	58.0	54.5	52.0	45.0	64.5
Night Mode	50/60Hz	62.0	61.5	58.0	50.5	46.0	47.0	45.5	44.5	56.0

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

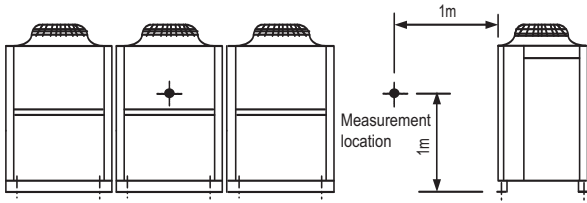
Sound level of PUHY-P800YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P800



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	68.5	65.5	61.0	57.5	54.0	51.0	44.0	64.0
Night Mode	50/60Hz	59.5	59.5	55.5	49.0	46.0	47.0	45.5	43.5	55.0

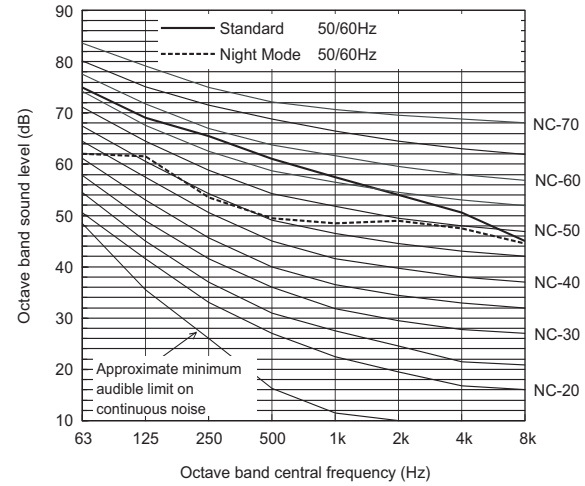
When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Measurement condition
PUHY-P950,1000,1050,1100,1150YSHM



Ref.:PUHY_YHM-A_NCC_EUDB_P950-P1150_Y1

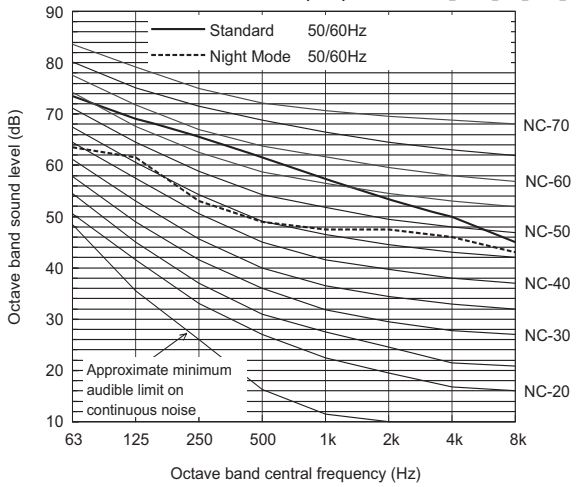
Sound level of PUHY-P1050YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P1050



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	69.0	65.5	61.0	57.5	54.0	50.5	45.0	64.0
Night Mode	50/60Hz	62.0	61.5	53.5	49.5	48.5	49.0	47.5	44.5	56.0

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

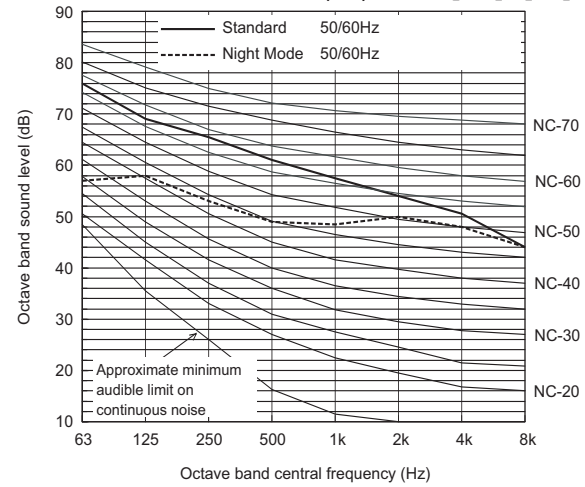
Sound level of PUHY-P950YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P950



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.5	69.0	66.0	61.0	57.5	53.5	50.0	45.0	64.0
Night Mode	50/60Hz	63.5	61.5	53.0	49.0	47.5	47.5	46.0	43.0	55.0

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

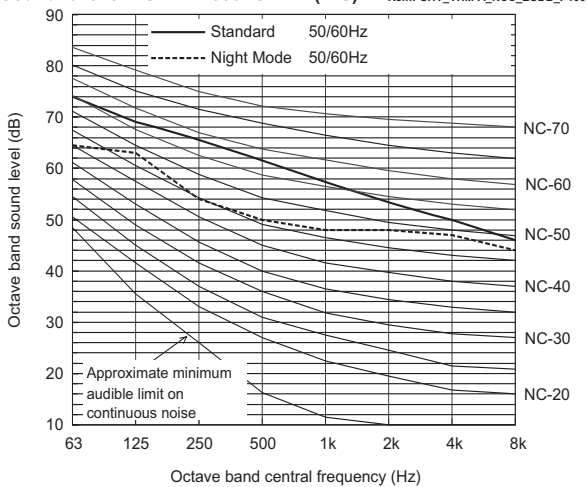
Sound level of PUHY-P1100YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P1100



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

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

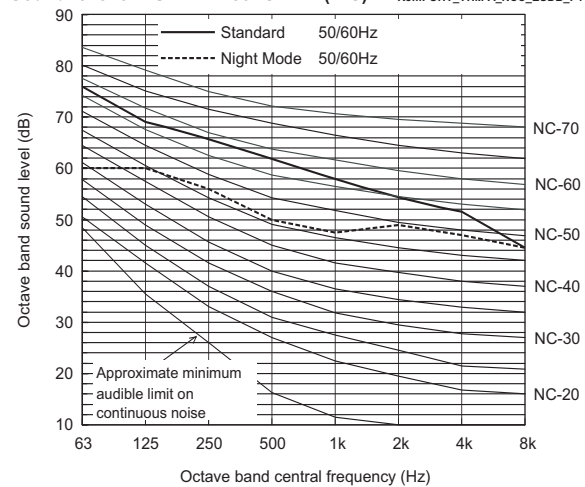
Sound level of PUHY-P1000YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P1000



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	74.0	69.0	66.0	61.0	57.5	53.5	50.0	46.0	64.0
Night Mode	50/60Hz	64.5	63.0	54.0	50.0	48.0	48.0	47.0	44.0	56.0

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

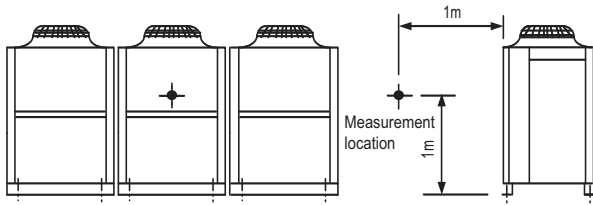
Sound level of PUHY-P1150YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_P1150



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	76.0	69.0	66.0	61.5	58.0	54.5	51.5	44.5	64.5
Night Mode	50/60Hz	60.0	60.0	56.0	50.0	47.5	49.0	47.0	44.5	56.0

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

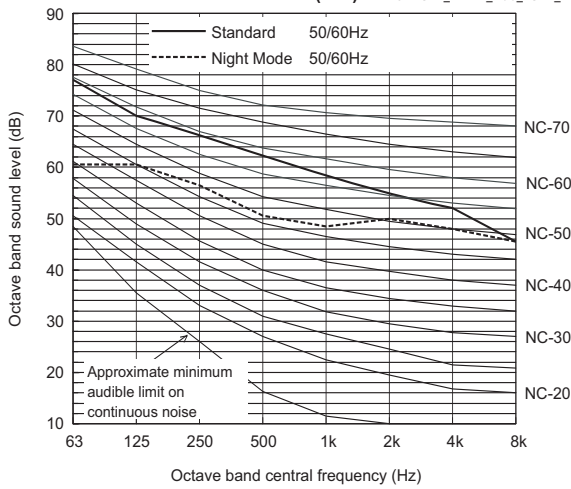
Measurement condition
PUHY-P1200,1250YSHM



Ref.:PUHY_YHM-A_NCC_EUDB_P1200-P1250_Y1

Sound level of PUHY-P1200YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P1200

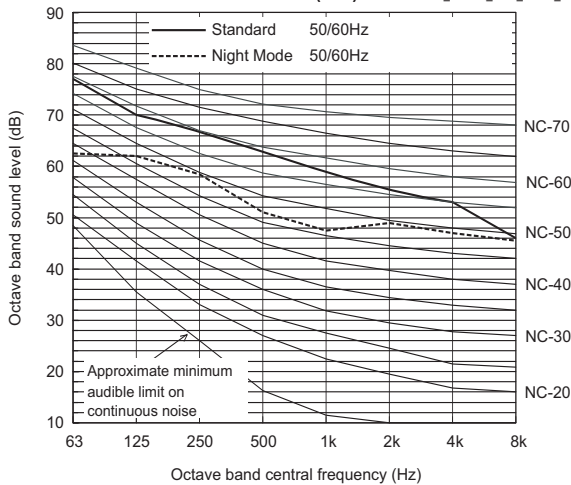


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	70.0	66.5	62.0	58.5	55.0	52.0	45.5	65.0
Night Mode	50/60Hz	60.5	60.5	56.5	50.5	48.5	50.0	48.0	45.5	57.0

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

Sound level of PUHY-P1250YSHM-A(-BS)

Ref.:PUHY_YHM-A_NCC_EUDB_P1250



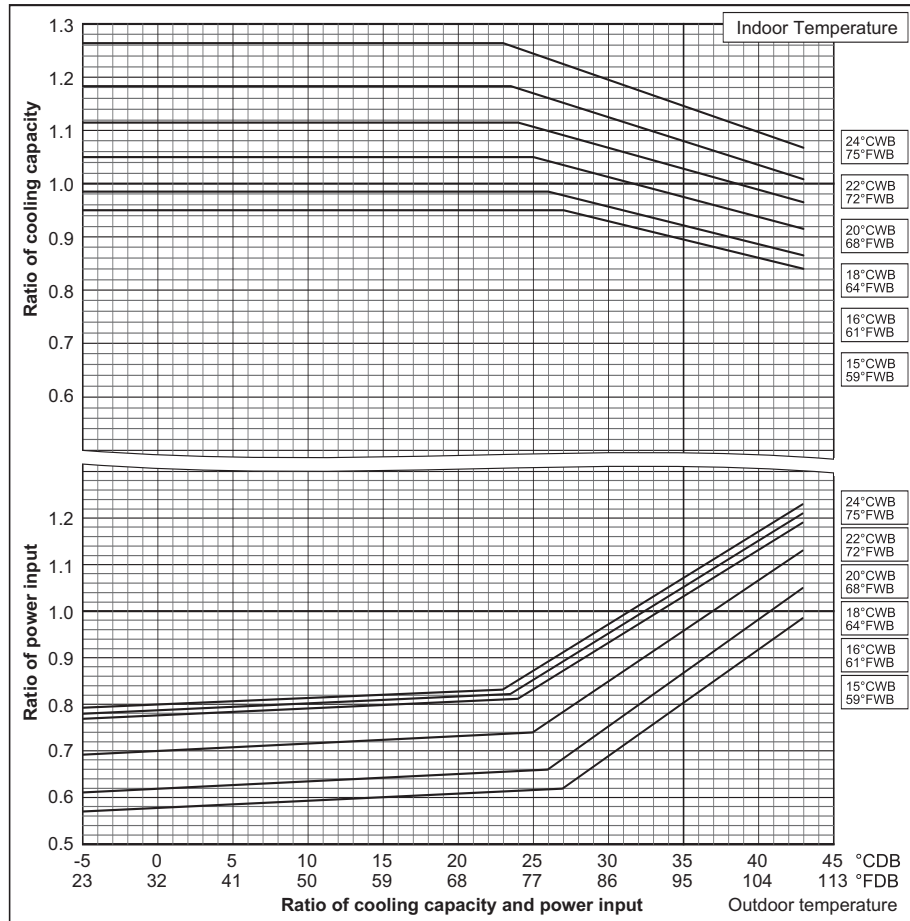
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	70.0	67.0	62.5	59.0	55.5	53.0	46.0	65.5
Night Mode	50/60Hz	62.5	62.0	58.5	51.0	47.5	49.0	47.0	45.5	57.0

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

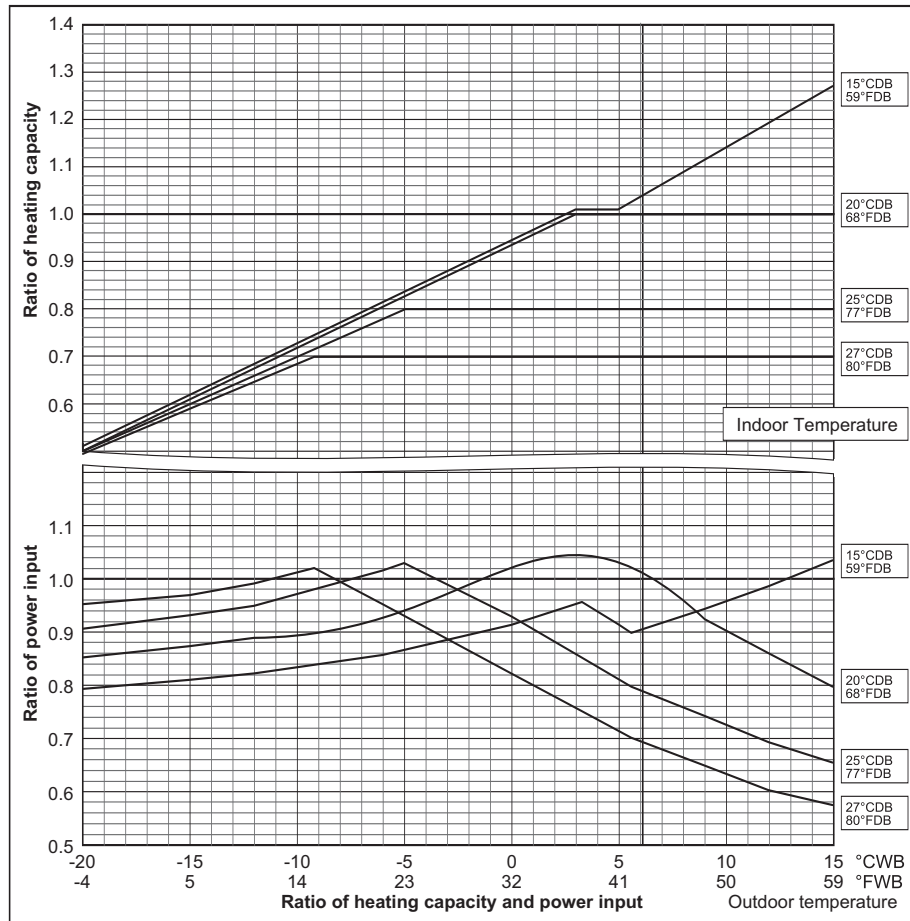
6-1. Correction by temperature

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-		P250YHM-A
Nominal Cooling Capacity	kW	28.0
	BTU/h	95,500
Input	kW	7.73



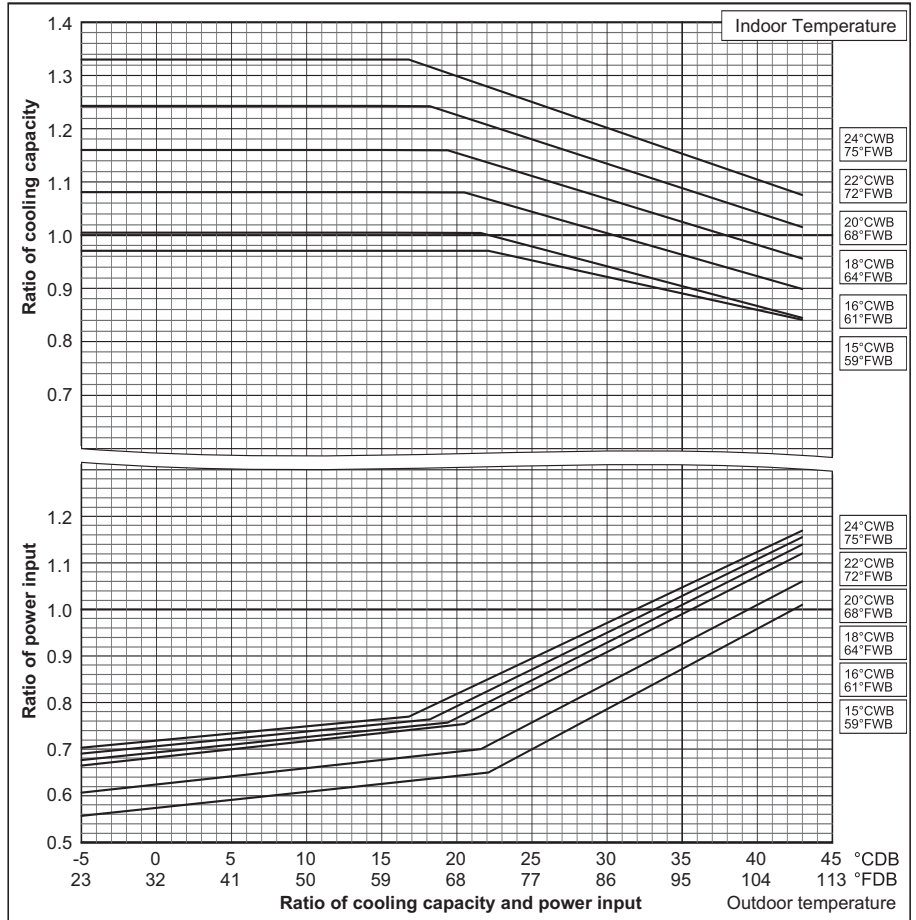
PUHY-		P250YHM-A
Nominal Heating Capacity	kW	31.5
	BTU/h	107,500
Input	kW	7.83



Ref:PUHY_YHM-A_CbTMP_EUDB_P200-P250

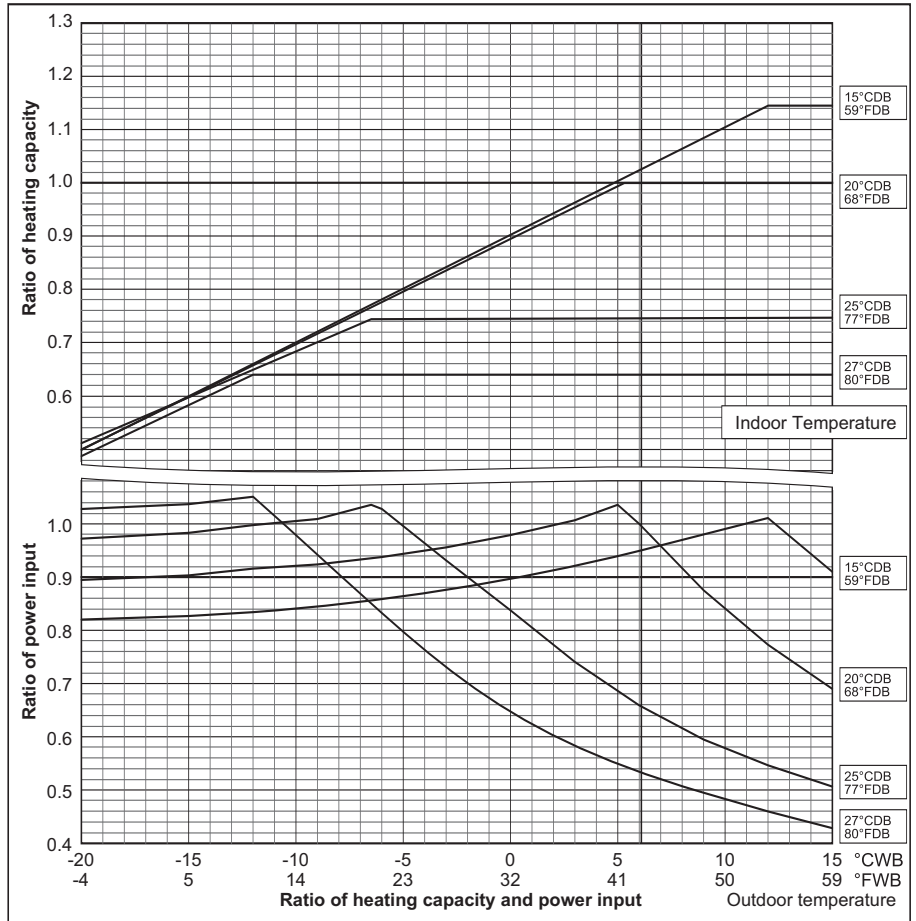
PUHY-		P300YHM-A	P350YHM-A
Nominal Cooling Capacity	kW	33.5	40.0
	BTU/h	114,300	136,500
Input	kW	9.07	11.20

PUHY-		P400YHM-A
Nominal Cooling Capacity	kW	45.0
	BTU/h	153,500
Input	kW	13.23



PUHY-		P300YHM-A	P350YHM-A
Nominal Heating Capacity	kW	37.5	45.0
	BTU/h	128,000	153,500
Input	kW	9.39	12.09

PUHY-		P400YHM-A
Nominal Heating Capacity	kW	50
	BTU/h	170,600
Input	kW	13.47



Ref:PUHY_YHM-A_CbTMP_EUDB_P300-P400

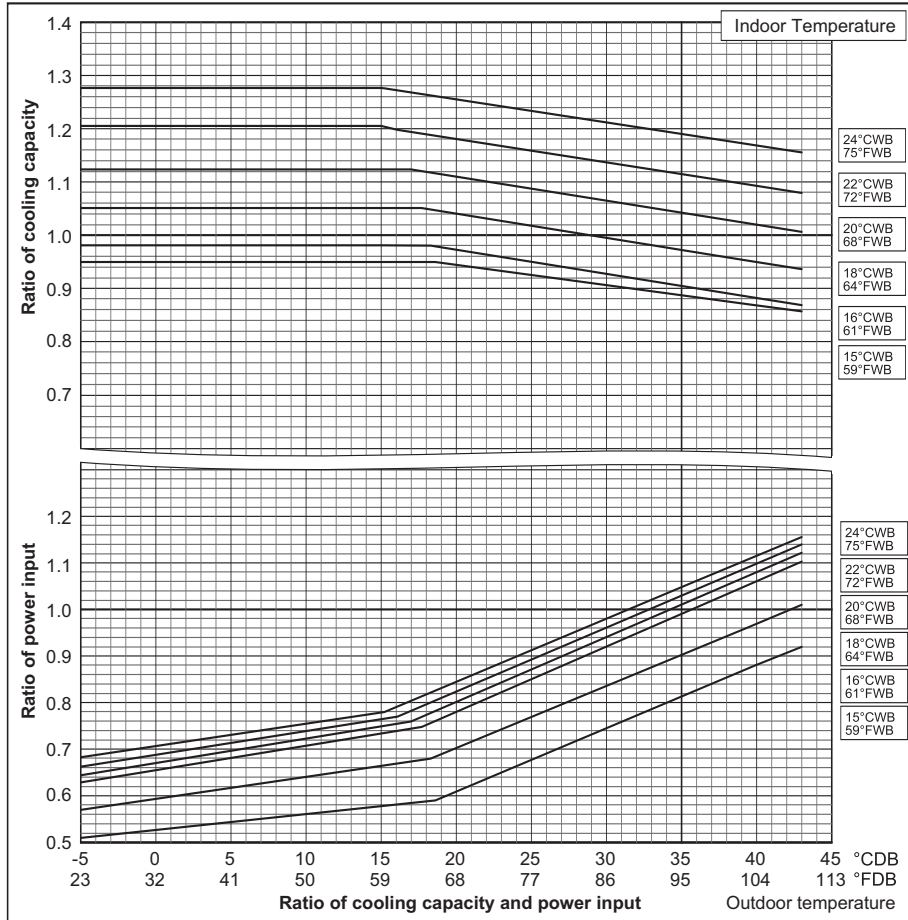
6. CAPACITY TABLES

DATA G4

PUHY-		P450YHM-A	P500YSHM-A
Nominal Cooling Capacity	kW	50.0	56.0
	BTU/h	170,600	191,100
Input	kW	16.28	16.47

PUHY-		P550YSHM-A	P600YSHM-A
Nominal Cooling Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	18.36	18.75

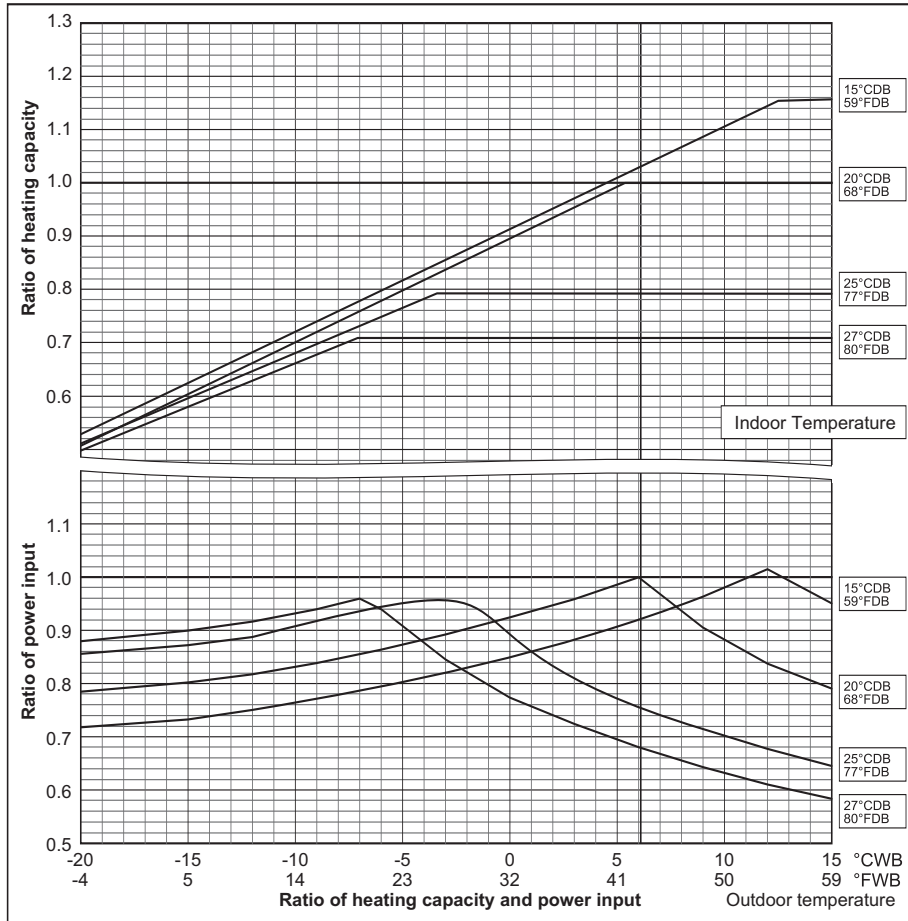
PUHY-		P650YSHM-A
Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	20.79



PUHY-		P450YHM-A	P500YSHM-A
Nominal Heating Capacity	kW	56.0	63.0
	BTU/h	191,100	215,000
Input	kW	15.38	16.40

PUHY-		P550YSHM-A	P600YSHM-A
Nominal Heating Capacity	kW	69.0	76.5
	BTU/h	235,400	261,000
Input	kW	18.06	19.92

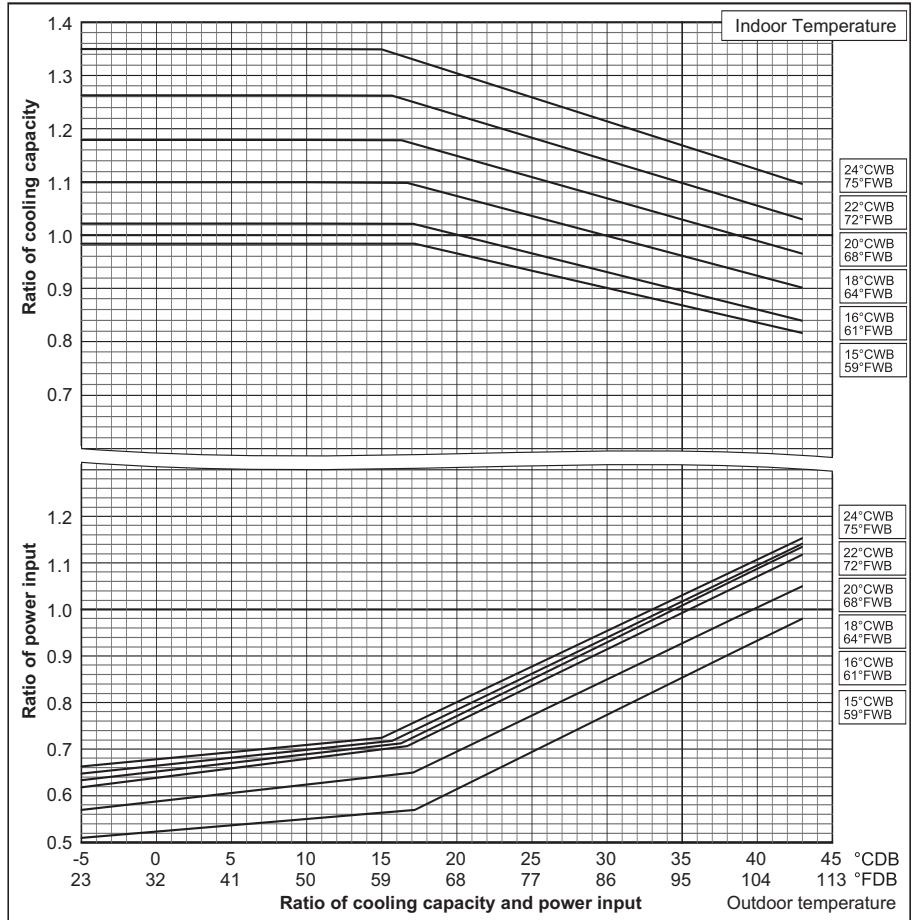
PUHY-		P650YSHM-A
Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	21.90



Ref:PUHY_YHM-A_CbTMP_EUDB_P450-P650

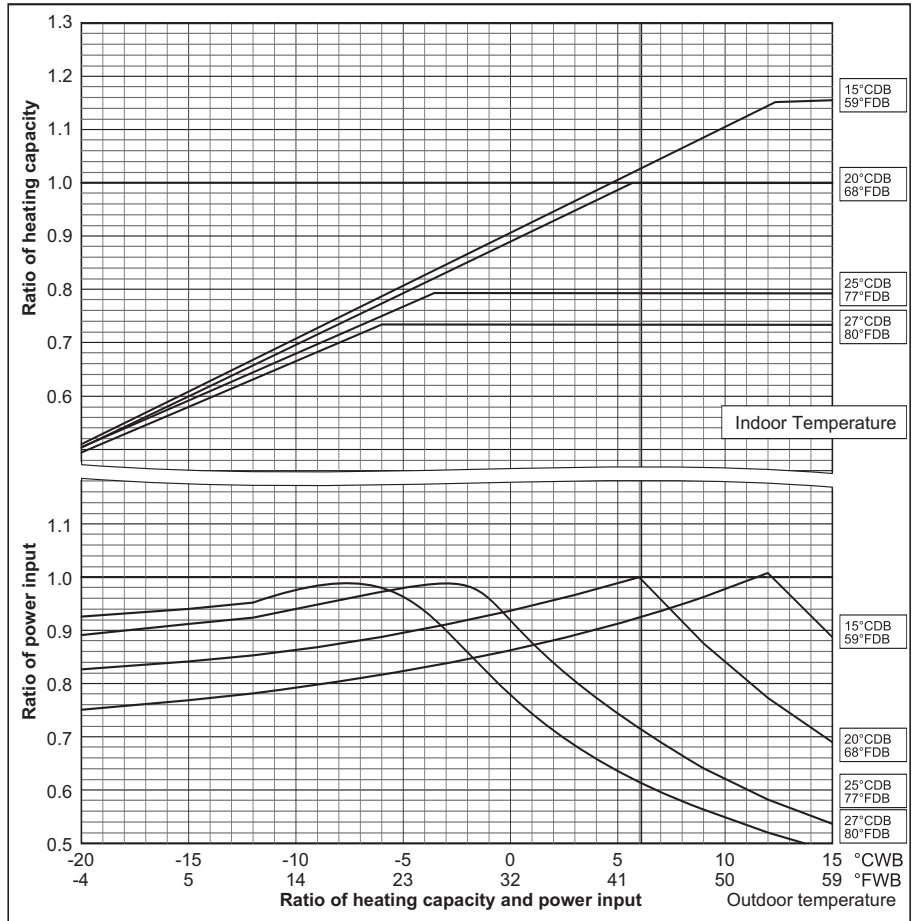
PUHY-		P700YSHM-A	P750YSHM-A
Nominal Cooling Capacity	kW	80.0	85.0
	BTU/h	273,000	290,000
Input	kW	22.47	25.07

PUHY-		P800YSHM-A
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	27.69



PUHY-		P700YSHM-A	P750YSHM-A
Nominal Heating Capacity	kW	88.0	95.0
	BTU/h	300,300	324,100
Input	kW	23.71	25.46

PUHY-		P800YSHM-A
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	25.70



Ref:PUHY_YHM-A_CbTMP_EUDB_P700-P800

6. CAPACITY TABLES

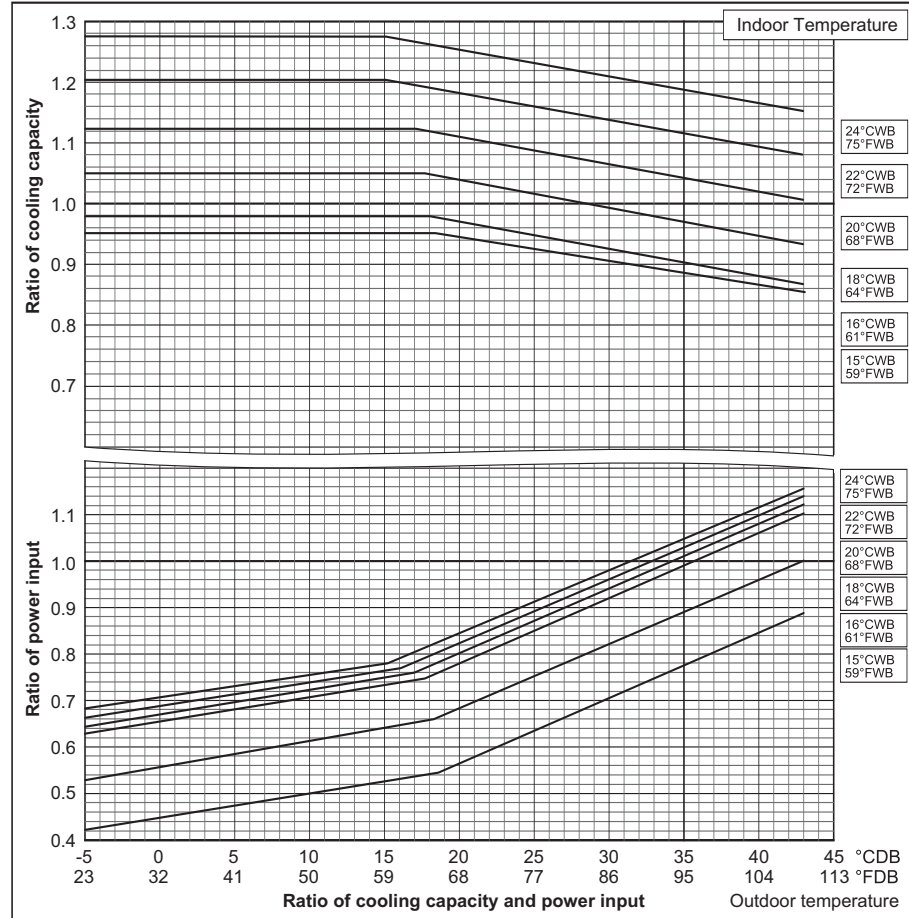
PUHY-		P850YSHM-A	P900YSHM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	30.18	33.33

PUHY-		P950YSHM-A	P1000YSHM-A
Nominal Cooling Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	30.68	32.47

PUHY-		P1050YSHM-A	P1100YSHM-A
Nominal Cooling Capacity	kW	118.0	124.0
	BTU/h	402,600	423,100
Input	kW	33.90	35.83

PUHY-		P1150YSHM-A	P1200YSHM-A
Nominal Cooling Capacity	kW	130.0	136.0
	BTU/h	443,600	464,000
Input	kW	39.39	41.71

PUHY-		P1250YSHM-A
Nominal Cooling Capacity	kW	140.0
	BTU/h	477,700
Input	kW	45.01



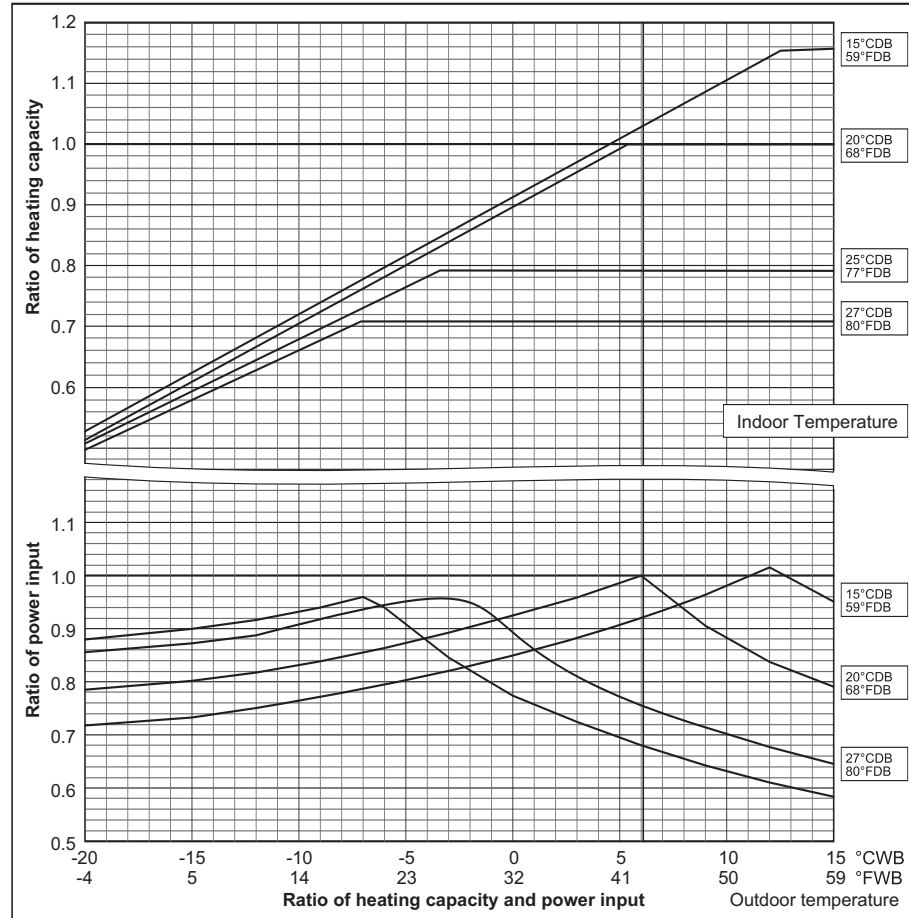
PUHY-		P850YSHM-A	P900YSHM-A
Nominal Heating Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	28.42	30.29

PUHY-		P950YSHM-A	P1000YSHM-A
Nominal Heating Capacity	kW	119.5	127.0
	BTU/h	407,700	433,300
Input	kW	30.02	33.15

PUHY-		P1050YSHM-A	P1100YSHM-A
Nominal Heating Capacity	kW	132.0	140.0
	BTU/h	450,400	477,700
Input	kW	35.01	36.93

PUHY-		P1150YSHM-A	P1200YSHM-A
Nominal Heating Capacity	kW	145.0	150.0
	BTU/h	494,700	511,800
Input	kW	39.08	40.10

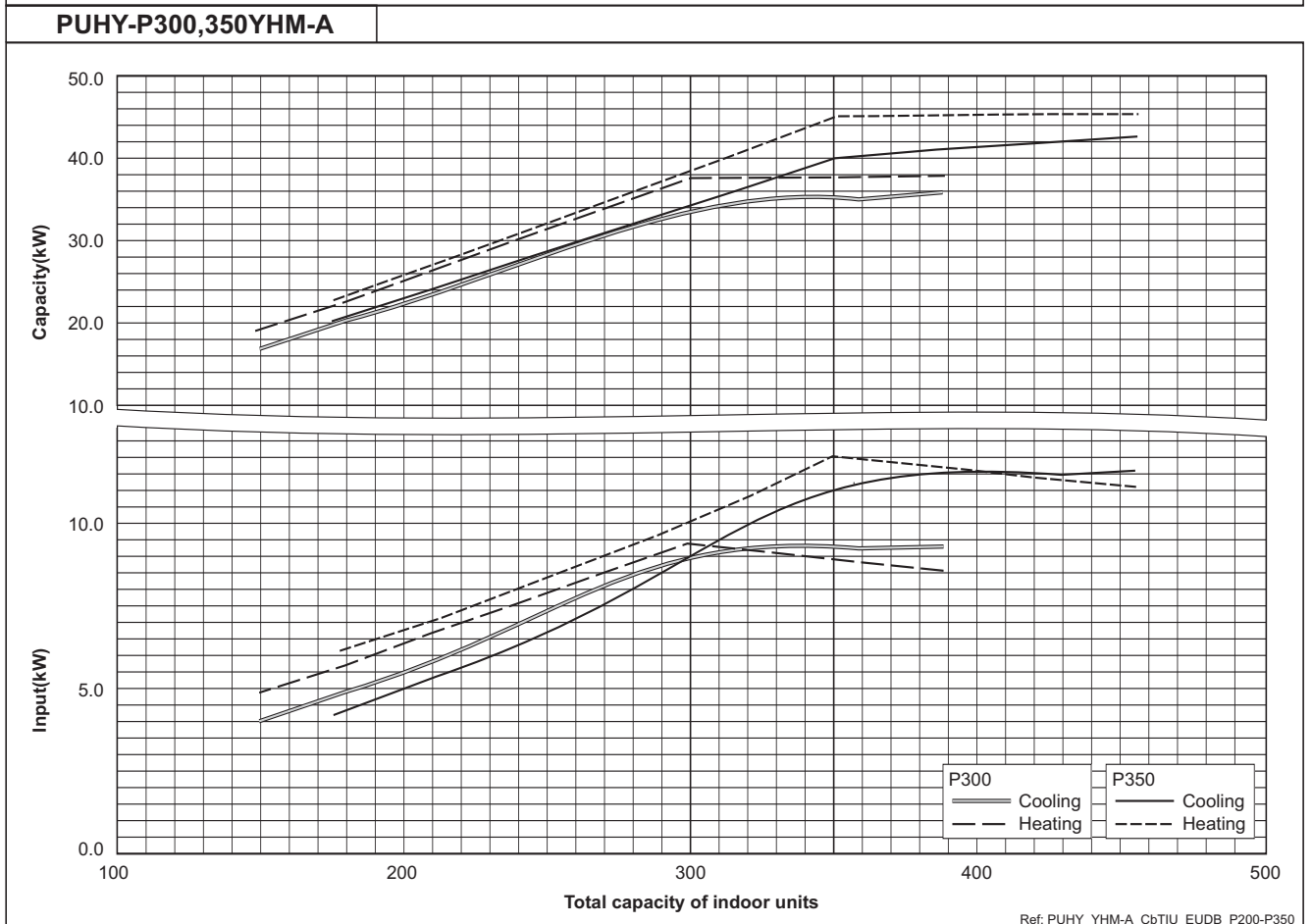
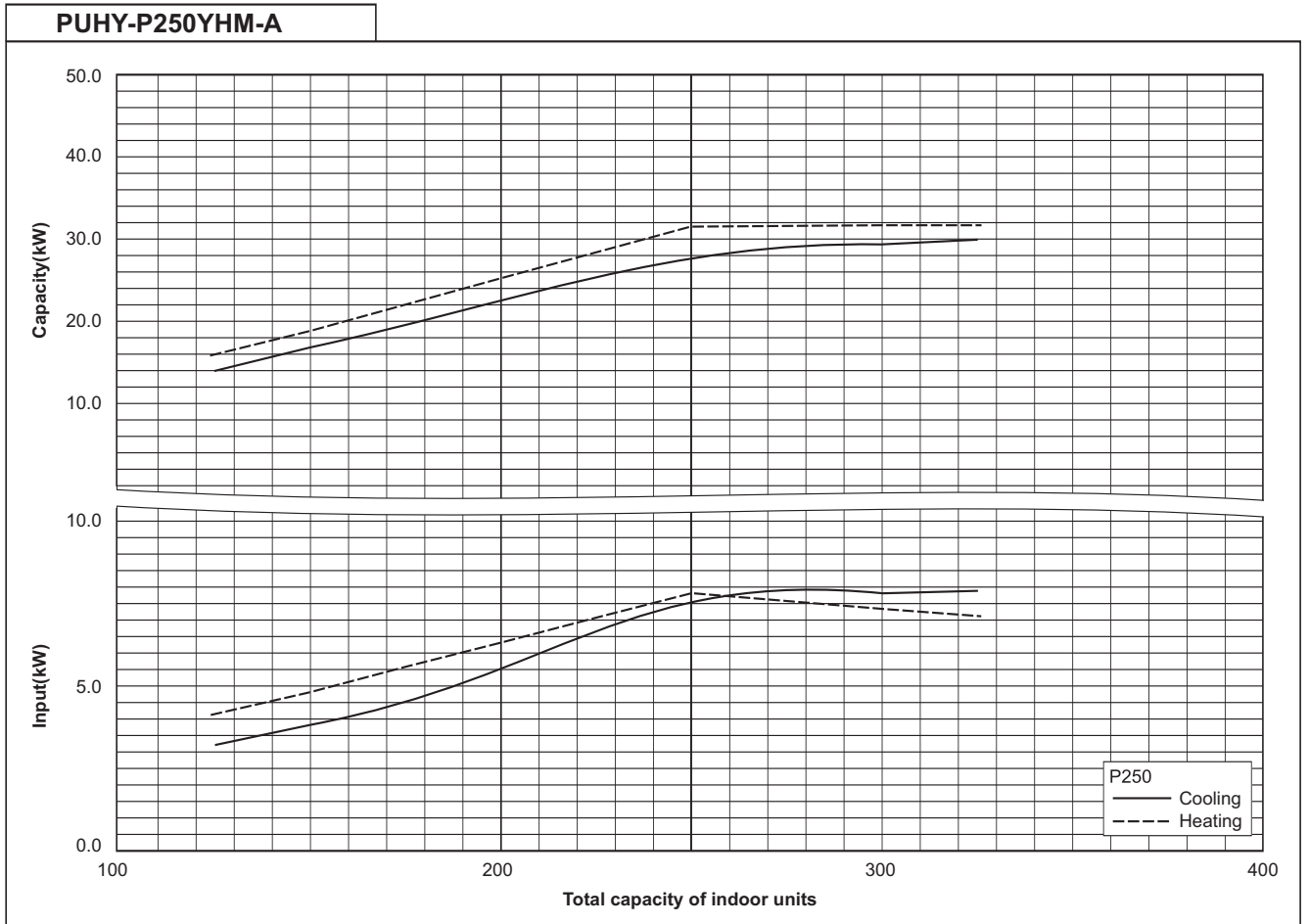
PUHY-		P1250YSHM-A
Nominal Heating Capacity	kW	156.5
	BTU/h	534,000
Input	kW	42.06



Ref:PUHY_YHM-A_CbTMP_EUDB_P850-P1250

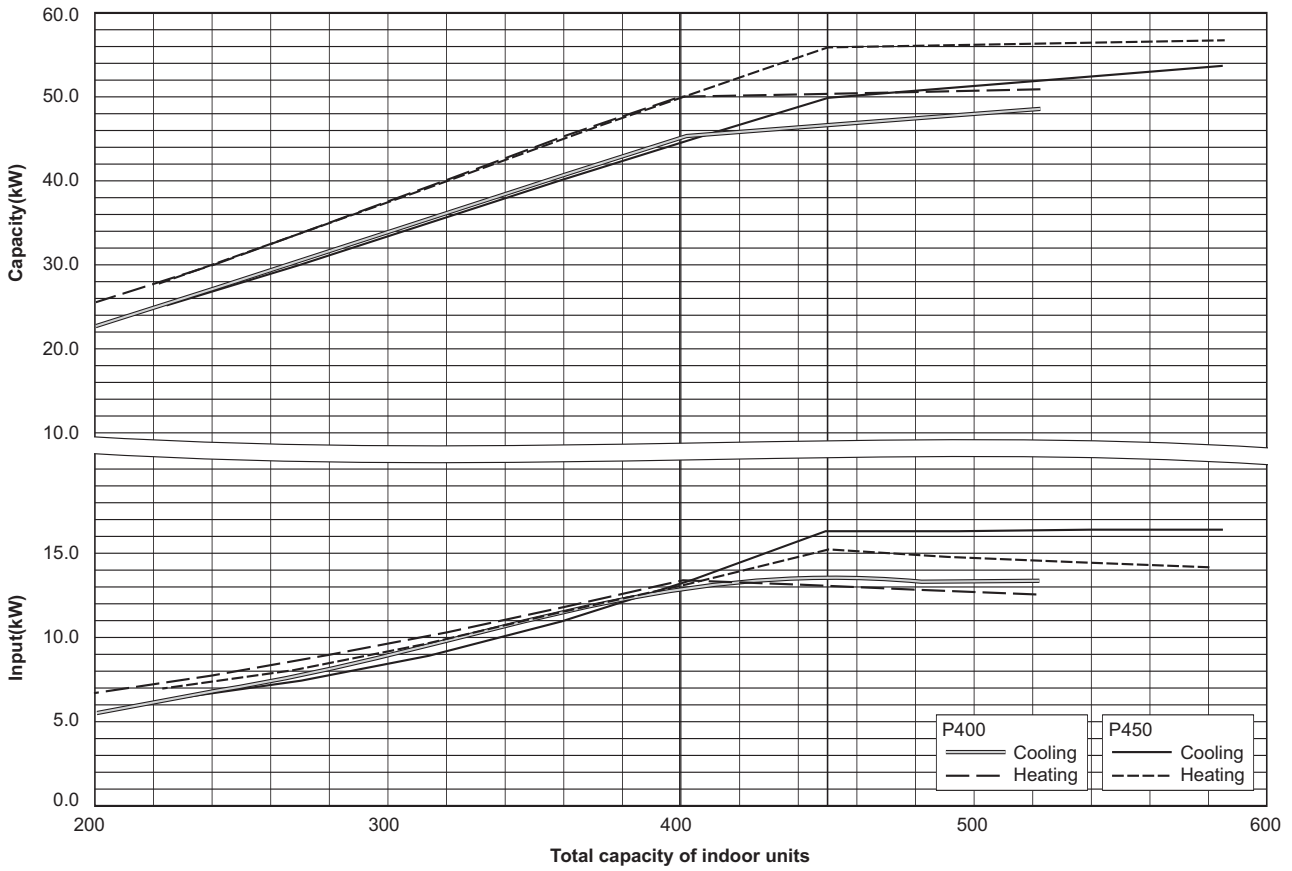
6-2. Correction by total indoor

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.

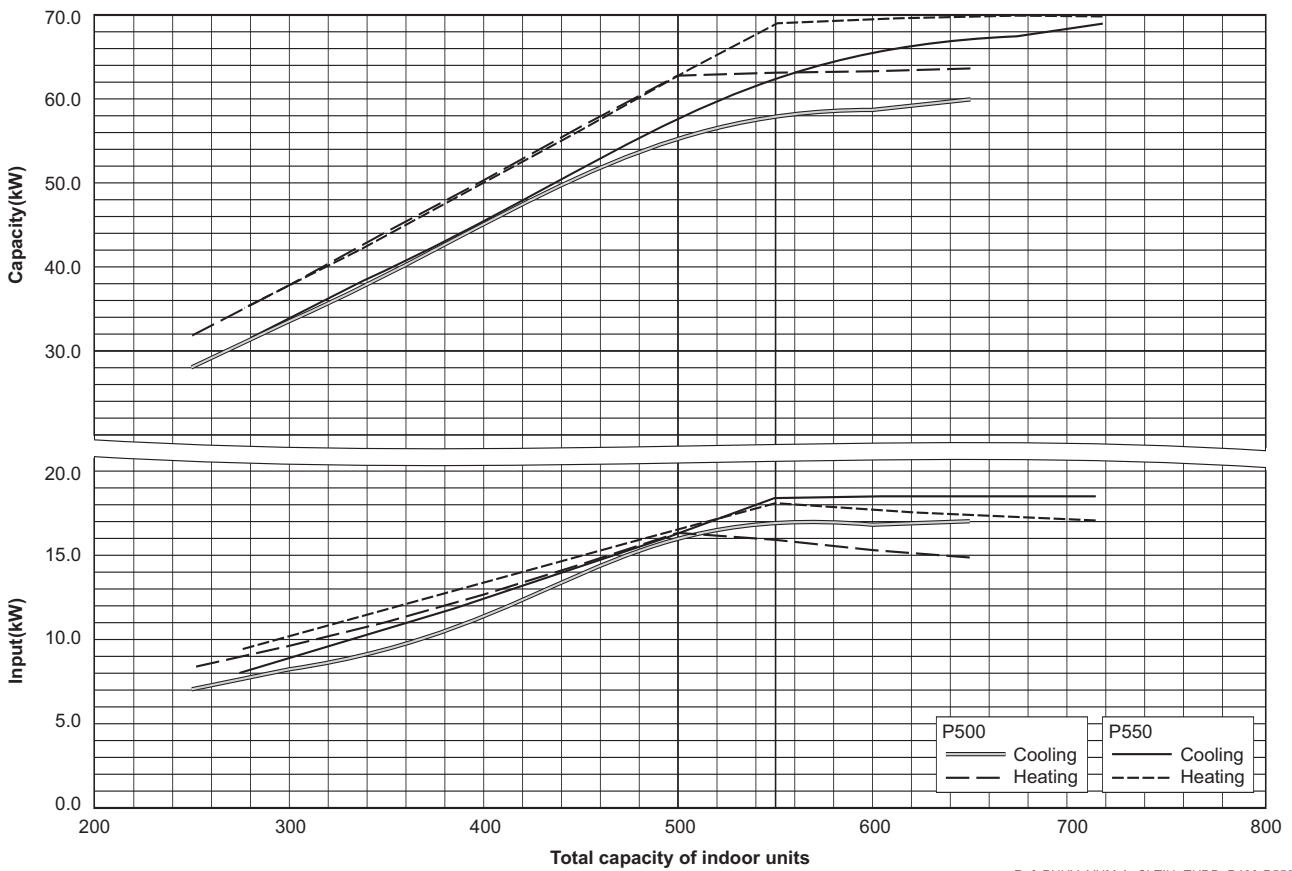


Ref: PUHY_YHM-A_CbTIU_EUDB_P200-P350

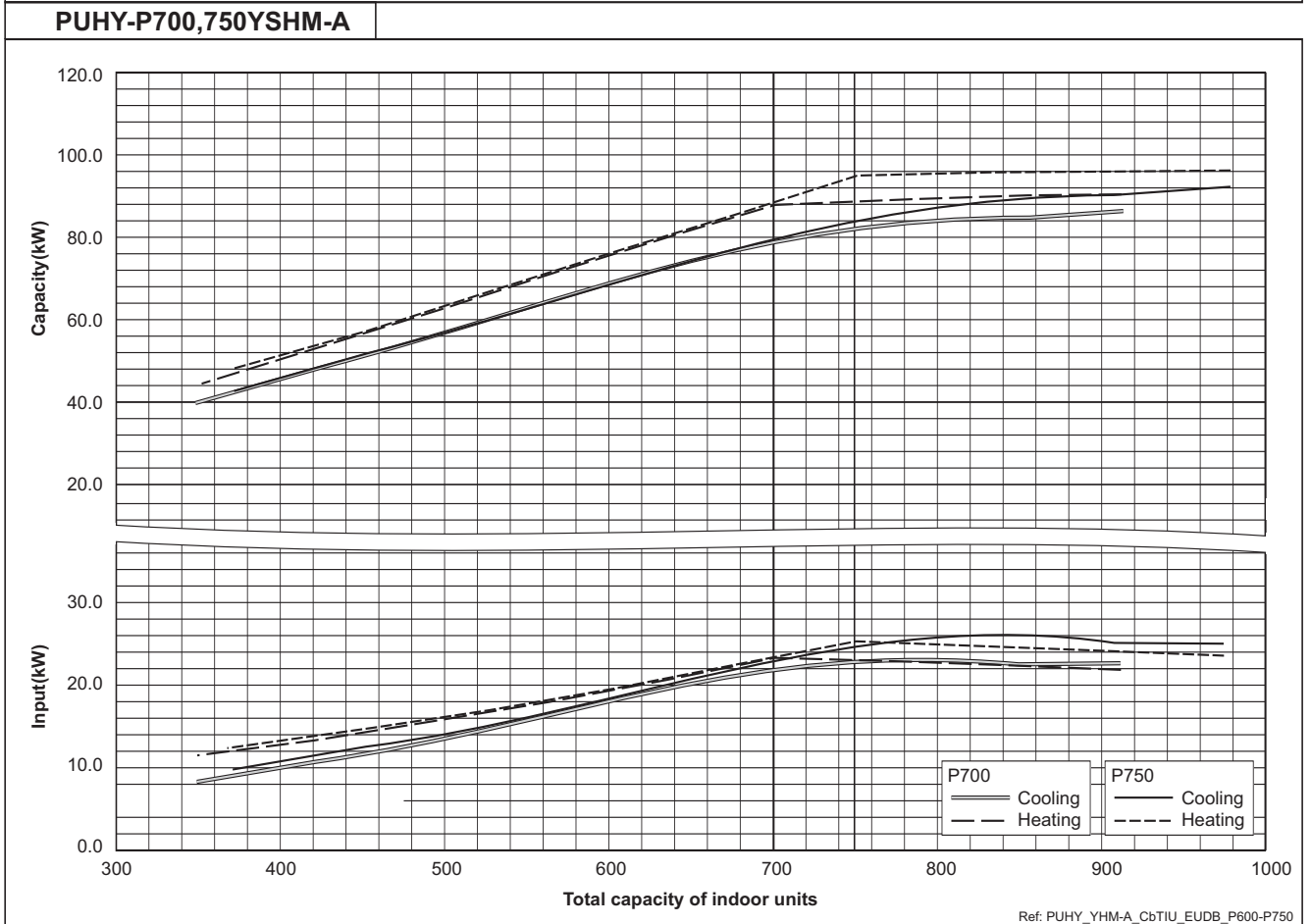
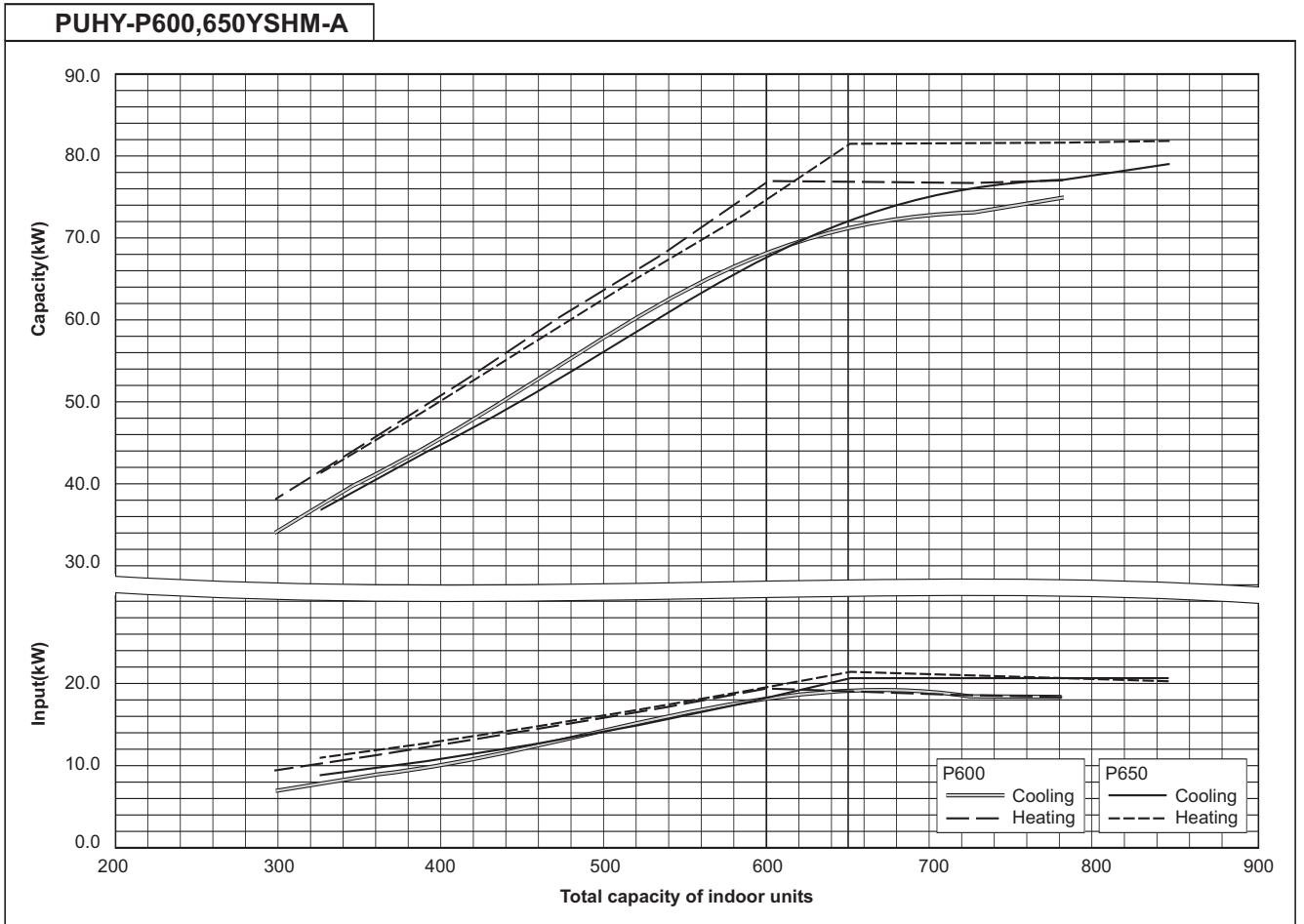
PUHY-P400,450YHM-A



PUHY-P500,550YSHM-A

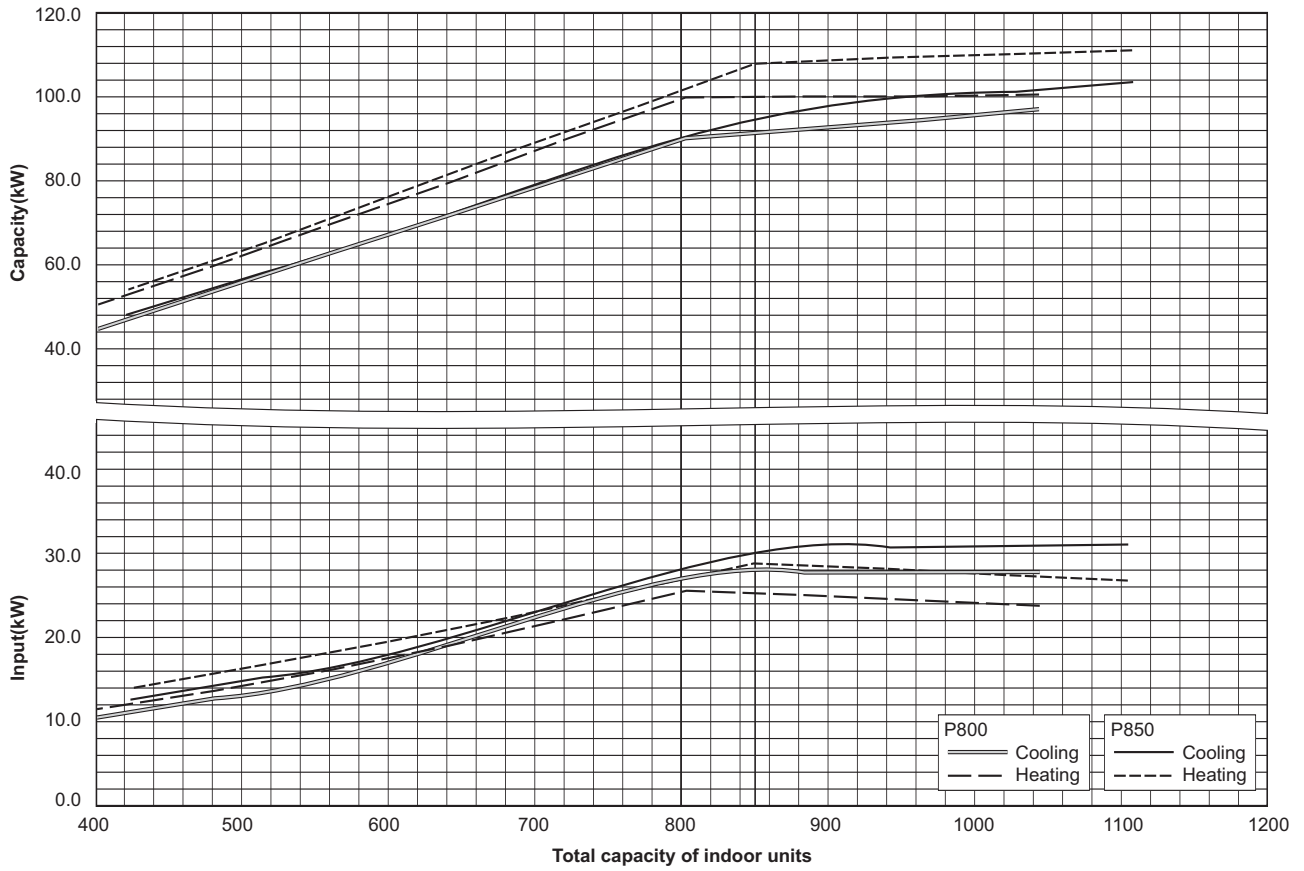


Ref: PUHY_YHM-A_CbTIU_EUDB_P400-P550

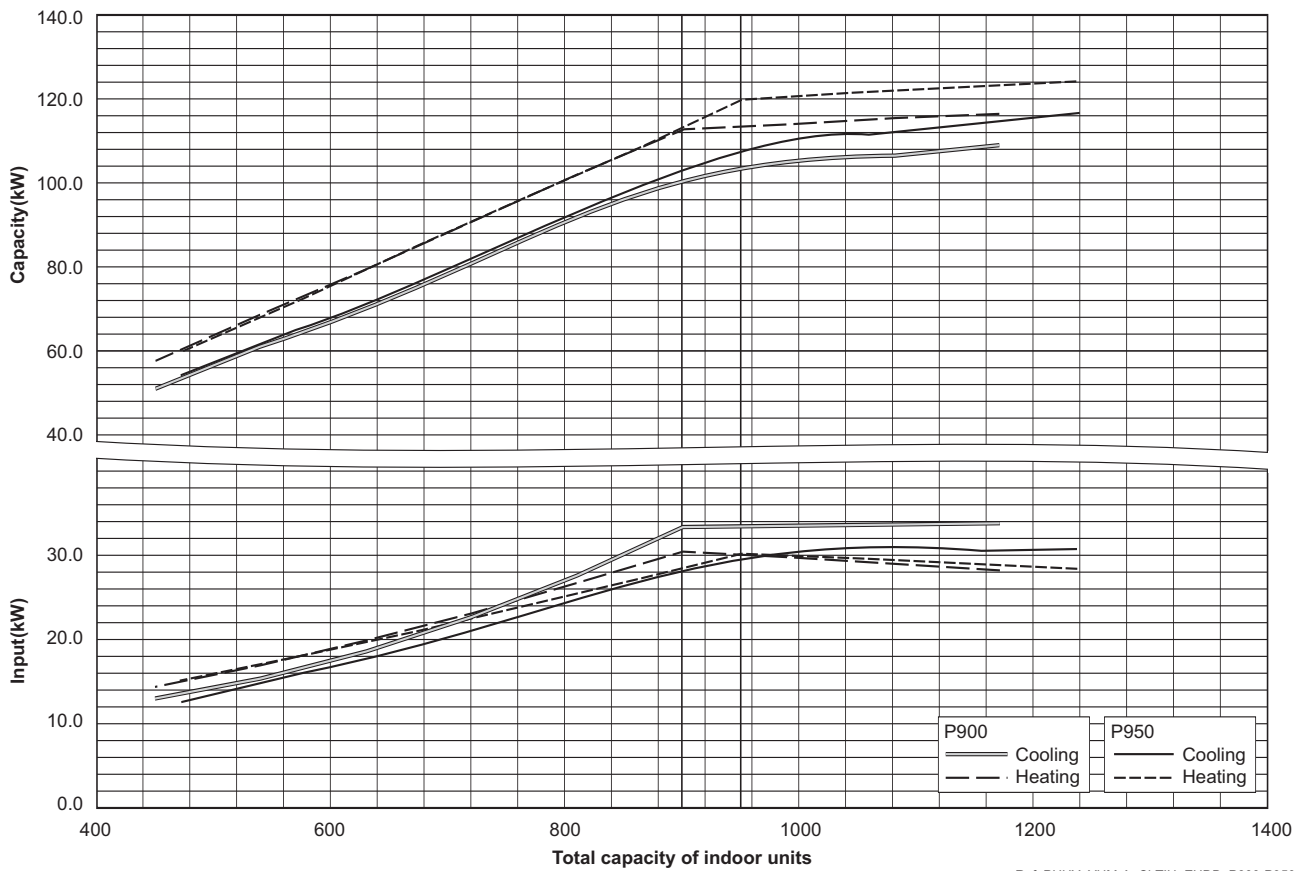


Ref: PUHY_YHM-A_CbTIU_EUDB_P600-P750

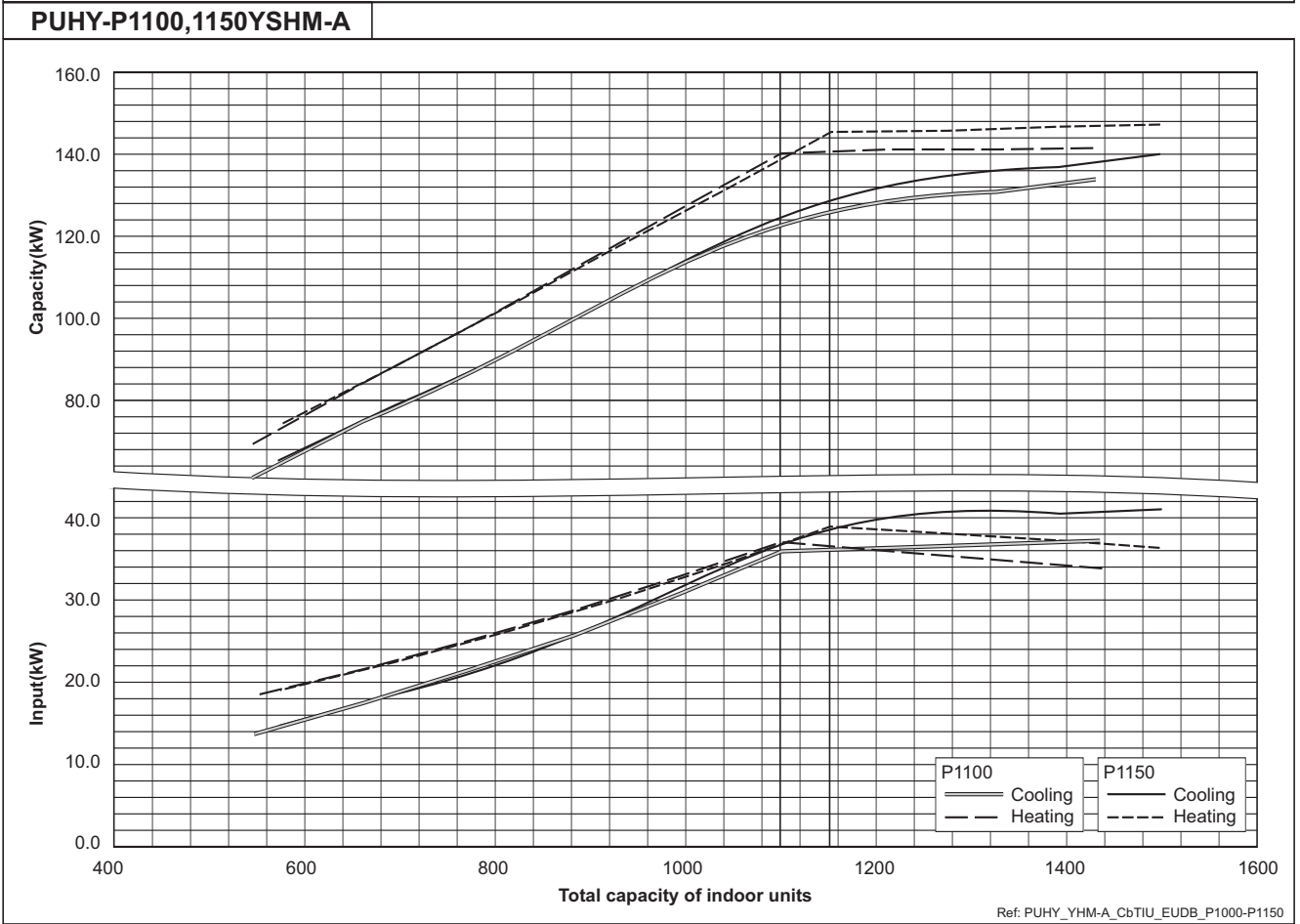
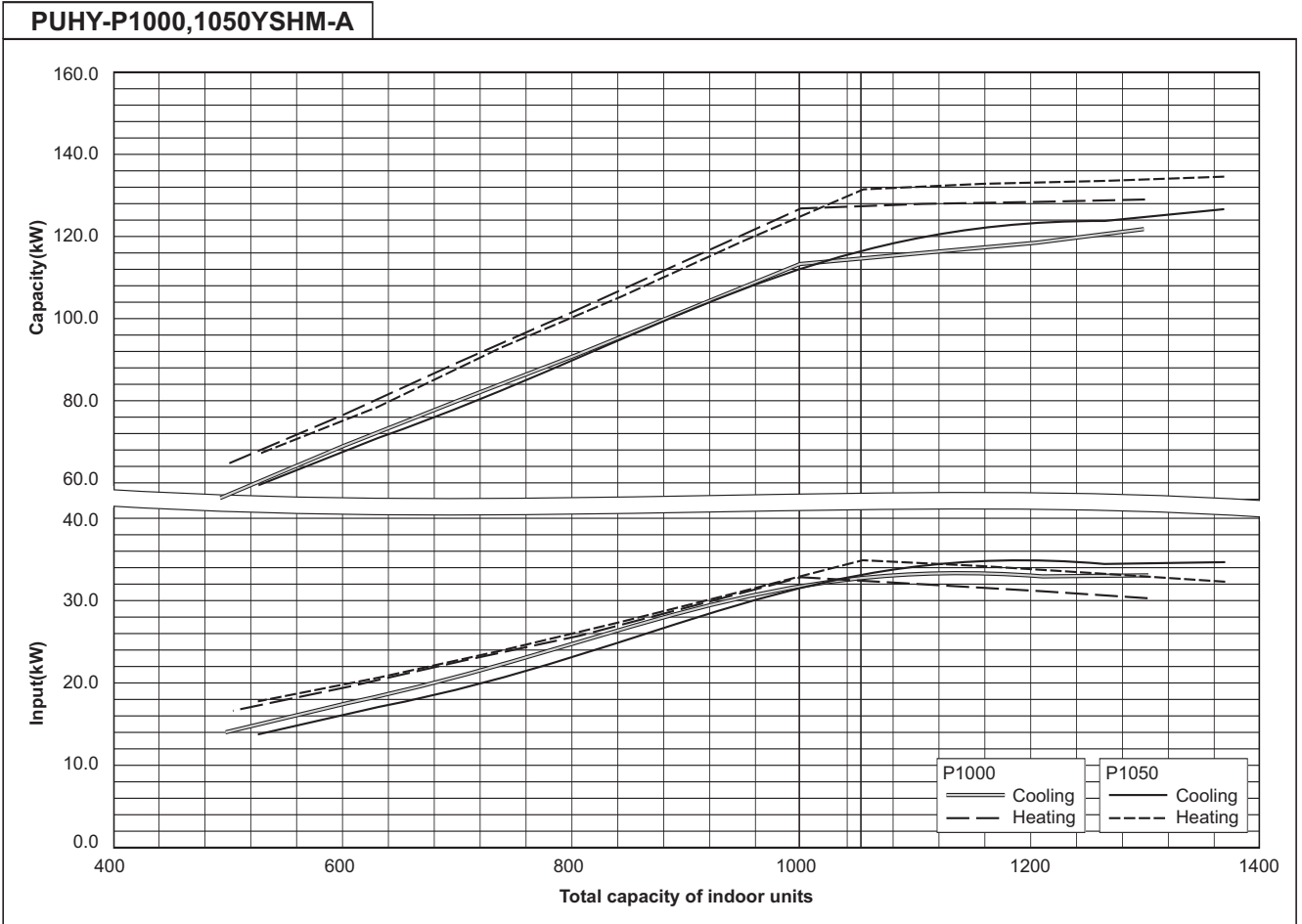
PUHY-P800,850YSHM-A



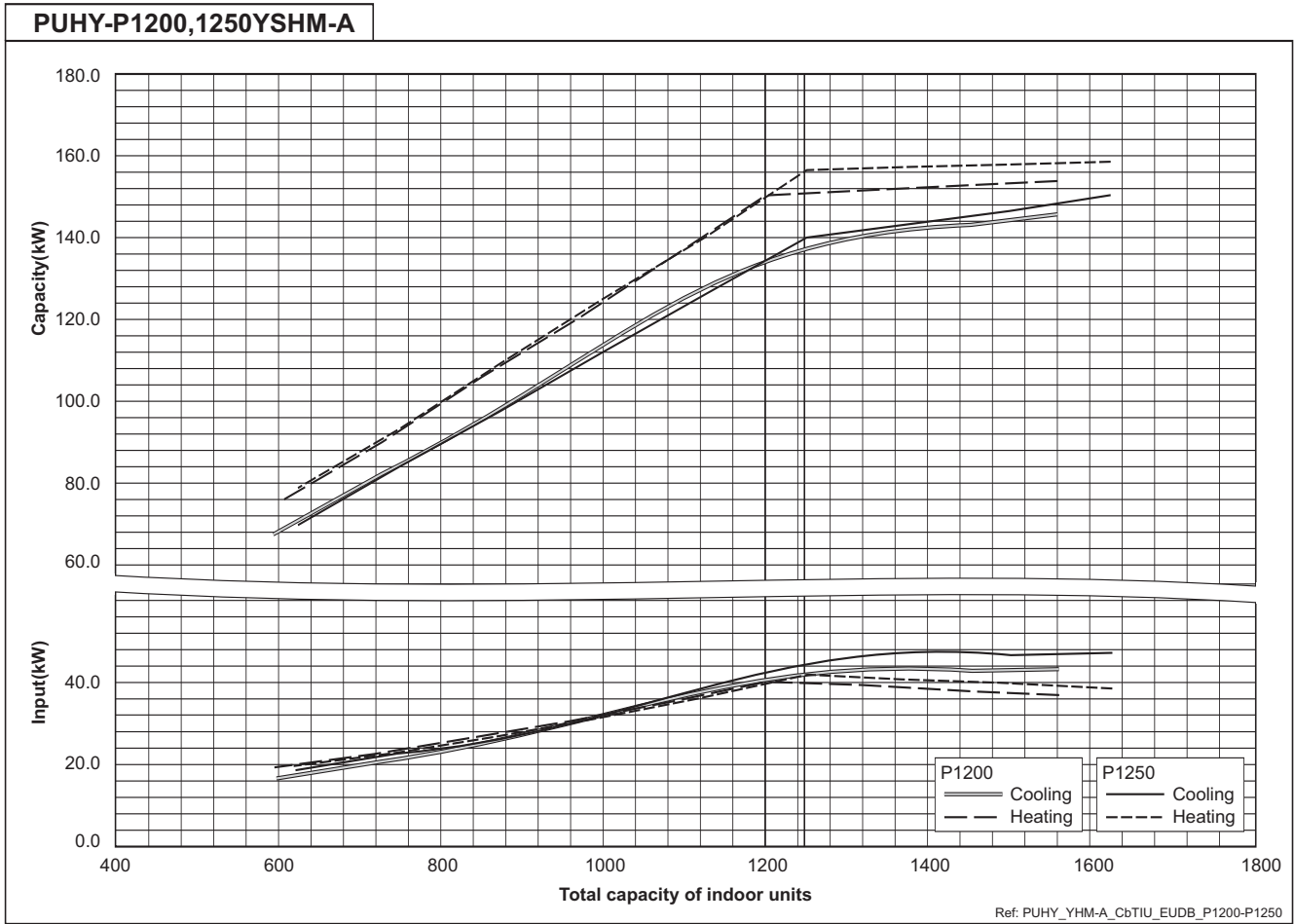
PUHY-P900,950YSHM-A



Ref: PUHY_YHM-A_CbTIU_EUDB_P800-P950



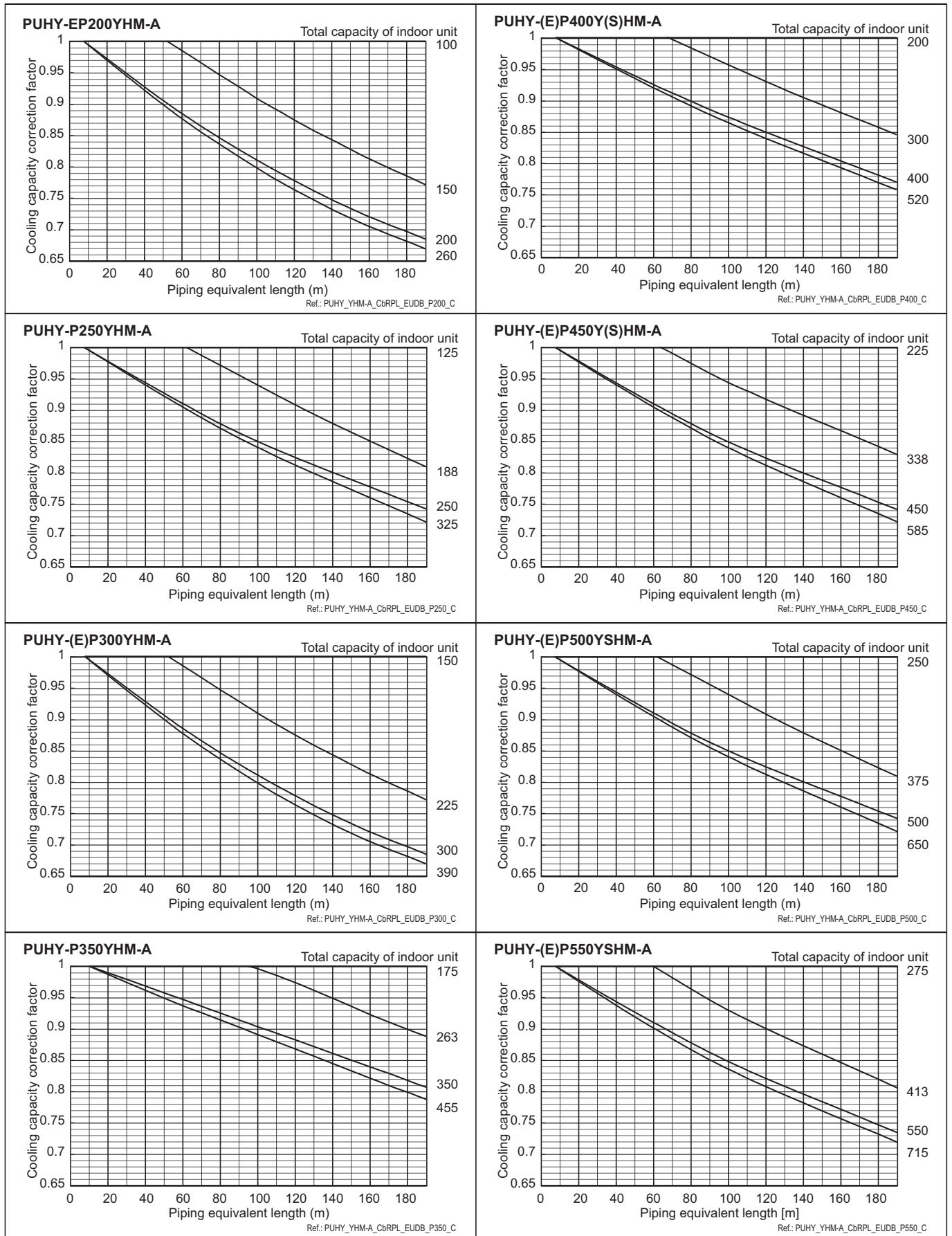
Ref: PUHY_YHM-A_CbTIU_EUDB_P1000-P1150

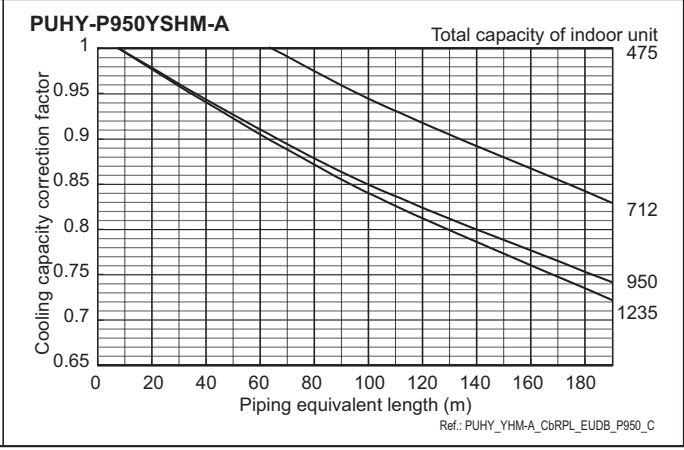
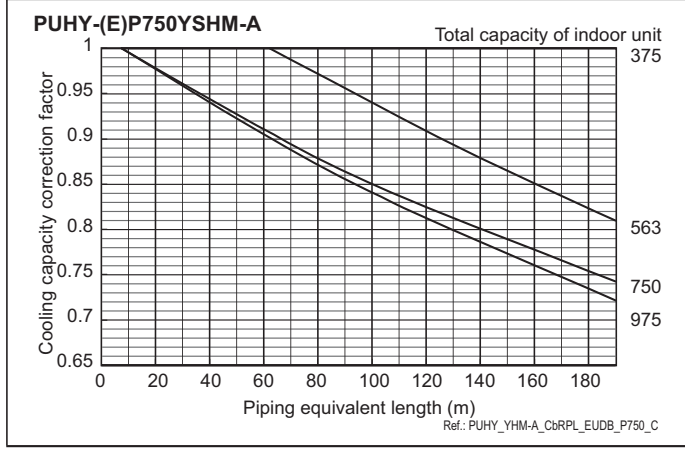
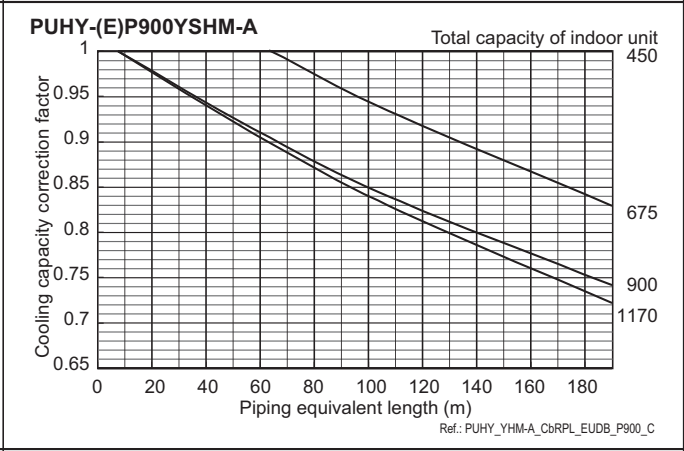
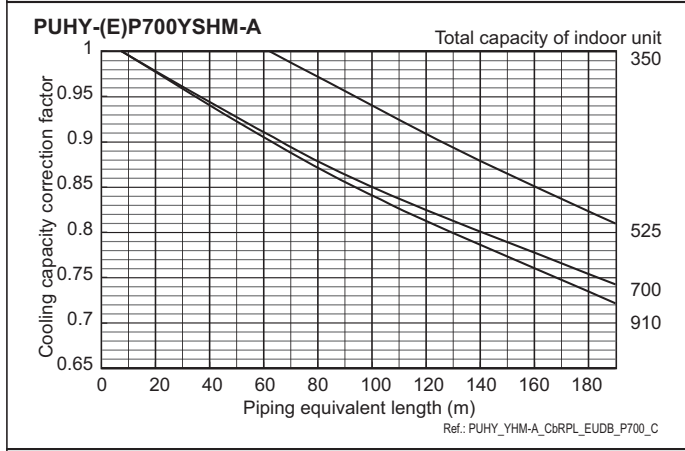
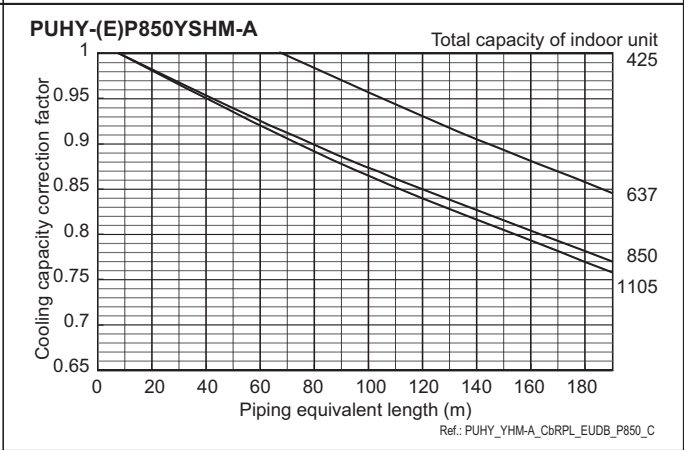
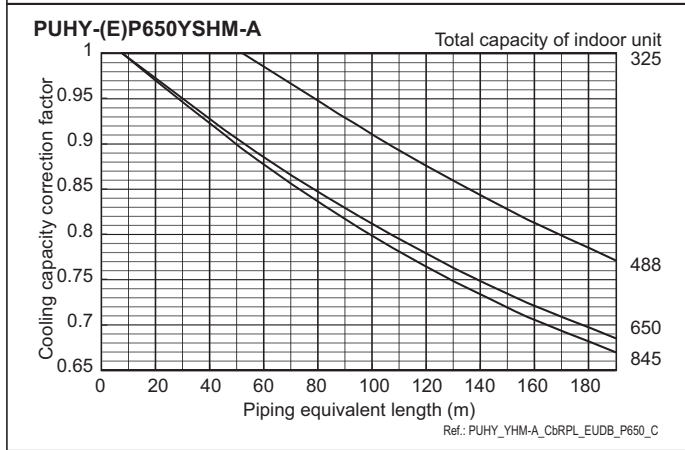
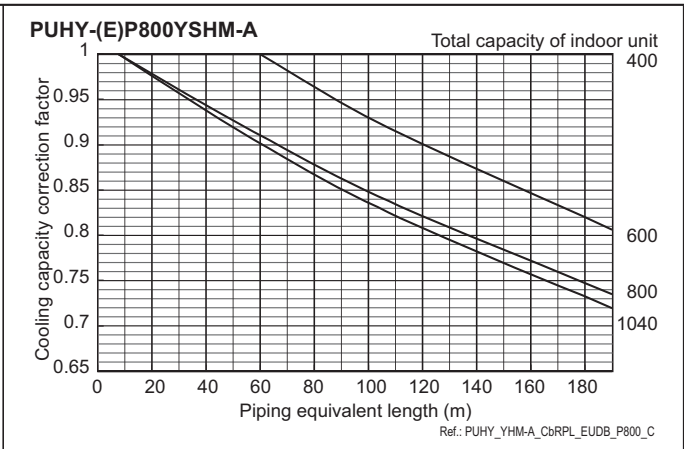
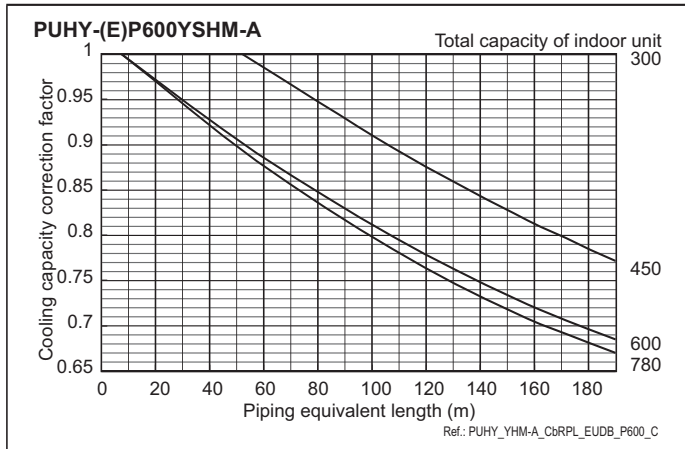


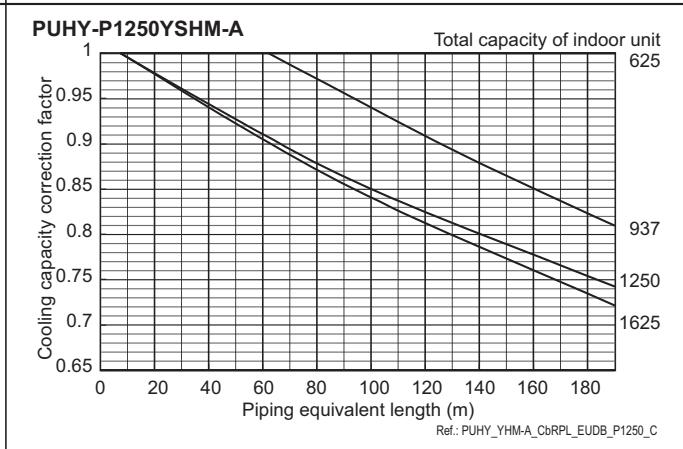
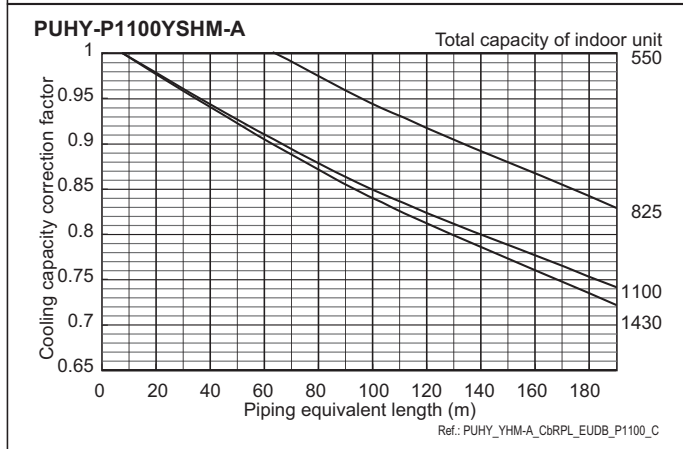
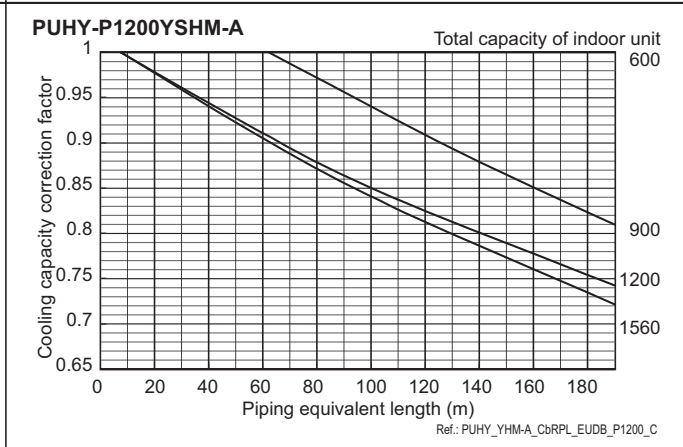
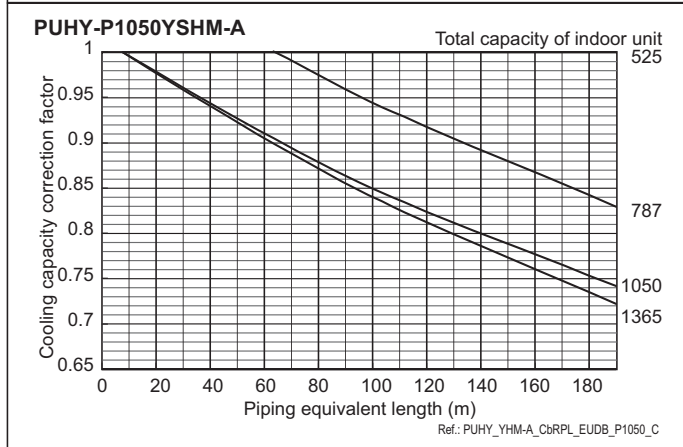
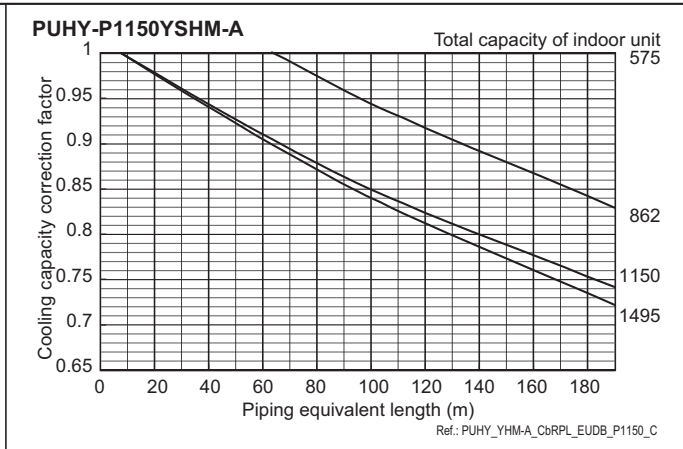
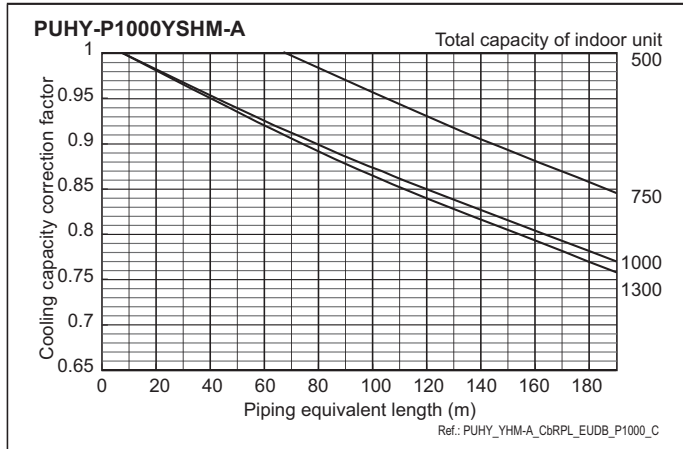
6-3. Correction by refrigerant piping length

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

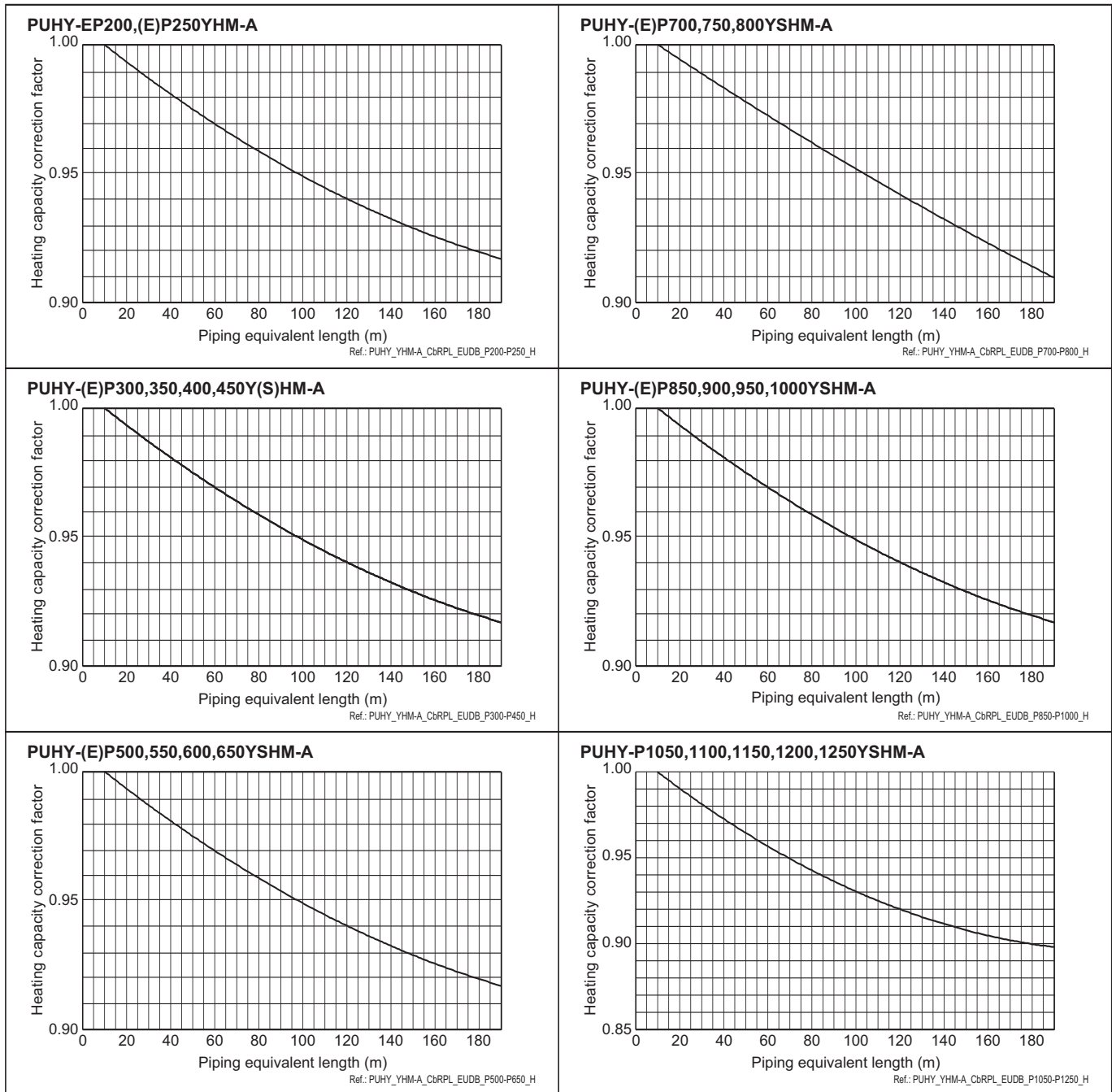
6-3-1. Cooling capacity correction







6-3-2. Heating capacity correction



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

- 1 **PUHY-EP200YHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bent on the piping) m
- 2 **PUHY-(E)P250,300YHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 x number of bent on the piping) m
- 3 **PUHY-P350YHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bent on the piping) m
- 4 **PUHY-(E)P400,450YHM, 500,550,600,650YSHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bent on the piping) m
- 5 **PUHY-(E)P700,750,800YSHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 x number of bent on the piping) m
- 6 **PUHY-(E)P850,900,950,1000,1050,1100,1150,1200,1250YSHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.80 x number of bent on the piping) m

Ref: PUHY_YHM-A_EqPLTH_EUDB_ALL

6-4. Correction at frosting and defrosting

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

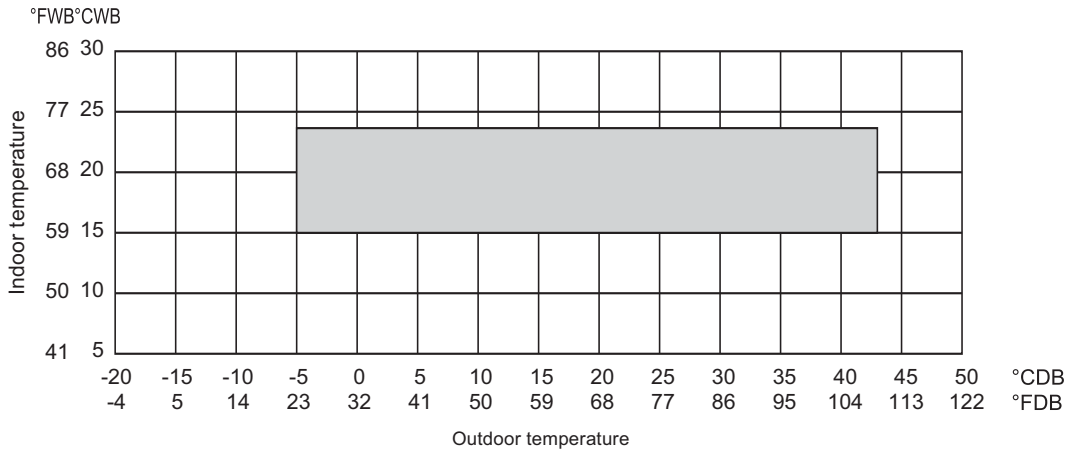
Table of correction factor at frosting and defrosting

Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PUHY-EP200YHM	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P250YHM	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P300YHM	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P350YHM	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-(E)P400YHM	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P450YHM	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(E)P500YSHM	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(E)P550YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P600YSHM	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P650YSHM	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P700YSHM	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(E)P750YSHM	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(E)P800YSHM	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-(E)P850YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-(E)P900YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P950YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1000YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1050YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1100YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1150YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1200YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P1250YSHM	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93

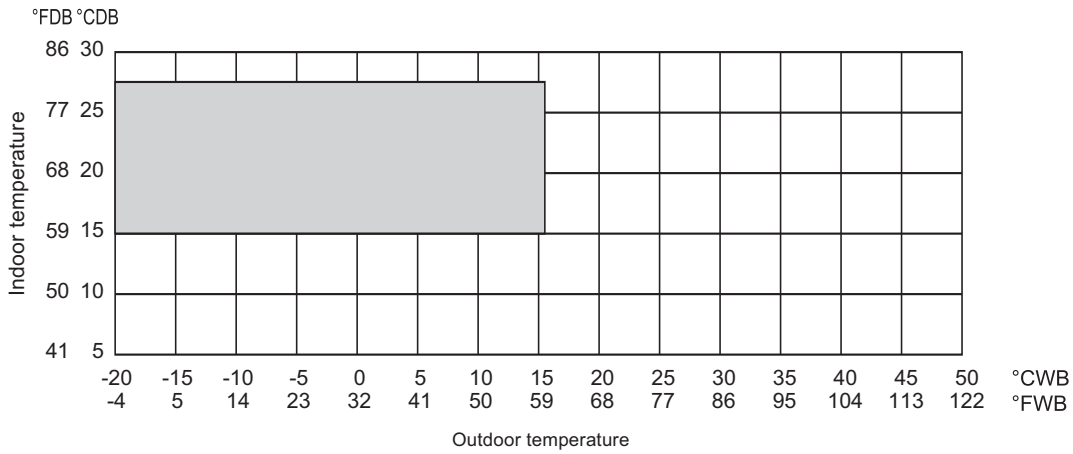
Ref: PUHY_YHM-A_CbFROST_EUDB_ALL

6-5. Temp. range of running

• Cooling



• Heating



Ref.: PUHY_YHM-A_TMPRNG_EUDB_ALL

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:

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y102L-G2 Ref.: CMY_Y102L_G2_EXD_EUDB_SI mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y202-G2 Ref.: CMY_Y202_G2_EXD_EUDB_SI mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y302-G2 Ref.: CMY_Y302_G2_EXD_EUDB_SI mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

7-2. 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 ϕ 6.35, ϕ 9.52, ϕ 12.7, ϕ 15.88 (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 ϕ 6.35, ϕ 9.52, ϕ 12.7, ϕ 15.88 (each diameter 2 pieces) and 1 cap for pipe of ϕ 19.05 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 ϕ 6.35, ϕ 9.52, ϕ 12.7, ϕ 15.88 (each diameter 28 pieces) and 1 cap for pipe of ϕ 19.05 are included in the Header set.

7-3. OUTDOOR TWINNING KIT

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

CMY-Y100VBK Ref.: CMY_Y100VBK_EXD_EUDB_SI mm.

For Gas pipe: For Liquid pipe: <Deformed pipe (Accessory)>

The drawings for CMY-Y100VBK show a gas pipe connection with a total length of 513 mm and a liquid pipe connection with a total length of 190 mm. Both include dimensions for inner diameter (ID) and outer diameter (OD) at various points. The deformed pipe accessories are shown in two configurations: one with OD ø12.7 and ID ø9.52, and another with OD ø22.2 and ID ø28.58. Both accessories are 80 mm long and come in two pieces.

ID: Inner Diameter OD: Outer Diameter

CMY-Y200VBK Ref.: CMY_Y200VBK_EXD_EUDB_SI mm.

For Gas pipe: For Liquid pipe: <Deformed pipe (Accessory)>

The drawings for CMY-Y200VBK show a gas pipe connection with a total length of 516 mm and a liquid pipe connection with a total length of 196 mm. The deformed pipe accessories are shown in two configurations: one with OD ø15.88 and ID ø12.7, and another with OD ø34.93 and ID ø41.28. Both accessories are 80 mm long and come in two pieces.

ID: Inner Diameter OD: Outer Diameter

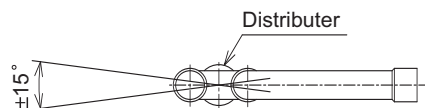
CMY-Y300VBK Ref.: CMY_Y300VBK_EXD_EUDB mm.

For Gas pipe: For Liquid pipe: <Deformed pipe (Accessory)>

The drawings for CMY-Y300VBK show two gas pipe connection options with total lengths of 516 mm and 513 mm, and two liquid pipe connection options with total lengths of 196 mm and 190 mm. The deformed pipe accessories are shown in four configurations: (1) OD ø38.1, ID ø41.28; (2) OD ø28.58, ID ø22.2; (3) OD ø15.88, ID ø12.7; and (4) OD ø15.88, ID ø9.52. All accessories are 80 mm long and come in two pieces.

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 ground.

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

7. OPTIONAL PARTS

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

CMY-Y100VBK2 Ref.: CMY_Y100VBK2_EXD_EUDB_SI mm

For Gas pipe: **For Liquid pipe:** <Deformed pipe(Accessory)>

Technical drawings for CMY-Y100VBK2. The gas pipe drawing shows a main pipe with ID $\phi 28.58$ and OD $\phi 28.58$, and a branch pipe with ID $\phi 22.2$ and OD $\phi 25.4$. The liquid pipe drawing shows a main pipe with ID $\phi 15.88$ and OD $\phi 15.88$, and a branch pipe with ID $\phi 12.7$ and OD $\phi 12.7$. The deformed pipe accessories include two types: one with OD $\phi 12.7$ and ID $\phi 9.52$ (2 pcs), and another with OD $\phi 15.88$ and ID $\phi 12.7$ (2 pcs).

ID: Inner Diameter OD: Outer Diameter

CMY-Y200VBK2 Ref.: CMY_Y200VBK2_EXD_EUDB_SI mm

For Gas pipe: **For Liquid pipe:** <Deformed pipe(Accessory)>

Technical drawings for CMY-Y200VBK2. The gas pipe drawing shows a main pipe with ID $\phi 34.93$ and OD $\phi 31.75$, and a branch pipe with ID $\phi 28.58$ and OD $\phi 28.58$. The liquid pipe drawing shows a main pipe with ID $\phi 19.05$ and OD $\phi 19.05$, and a branch pipe with ID $\phi 15.88$ and OD $\phi 15.88$. The deformed pipe accessories include two types: one with OD $\phi 15.88$ and ID $\phi 12.7$ (2 pcs), and another with OD $\phi 34.93$ and ID $\phi 41.28$ (2 pcs).

ID: Inner Diameter OD: Outer Diameter

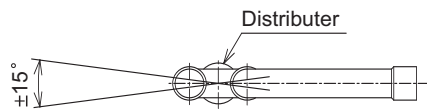
CMY-Y300VBK2 Ref.: CMY_Y300VBK2_EXD_EUDB_SI mm

For Gas pipe: **For Liquid pipe:** <Deformed pipe(Accessory)>

Technical drawings for CMY-Y300VBK2. The gas pipe drawing shows a main pipe with ID $\phi 38.1$ and OD $\phi 31.75$, and a branch pipe with ID $\phi 28.58$ and OD $\phi 28.58$. The liquid pipe drawing shows a main pipe with ID $\phi 19.05$ and OD $\phi 19.05$, and a branch pipe with ID $\phi 15.88$ and OD $\phi 15.88$. The deformed pipe accessories include two types: one with OD $\phi 38.1$ and ID $\phi 41.28$ (2 pcs), and another with OD $\phi 15.88$ and ID $\phi 12.7$ (2 pcs).

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 $\pm 15^\circ$ against the ground.

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