

**OUTDOOR UNITS**

1. SPECIFICATIONS ..... 2 - 86

2. EXTERNAL DIMENSIONS ..... 2 - 99

3. CENTER OF GRAVITY ..... 2 - 109

4. ELECTRICAL WIRING DIAGRAMS ..... 2 - 110

5. SOUND LEVELS ..... 2 - 111

6. CAPACITY TABLES ..... 2 - 115

    6-1. Correction by temperature ..... 2 - 115

    6-2. Correction by total indoor ..... 2 - 120

    6-3. Correction by refrigerant piping length ..... 2 - 124

    6-4. Correction at frost and defrost ..... 2 - 127

    6-5. Operation temperature range ..... 2 - 128

7. OPTIONAL PARTS ..... 2 - 129

    7-1. JOINT ..... 2 - 129

    7-2. HEADER ..... 2 - 130

    7-3. OUTDOOR TWINNING KIT ..... 2 - 131

# 1. SPECIFICATIONS

DATA G6

Y(HIGH COP)

Model		PUHY-EP200YHM-A(-BS)		PUHY-EP250YHM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	22.4		28.0		
	*1 kcal / h	19,300		24,100		
	*1 Btu / h	76,400		95,500		
	*2 kcal / h	20,000		25,000		
	Power input kW	5.18		6.82		
Current input A		8.7-8.3-8.0		11.5-10.9-10.5		
COP (kW / kW)		4.32		4.10		
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	25.0		31.5		
	*3 kcal / h	21,500		27,100		
	*3 Btu / h	85,300		107,500		
	Power input kW	5.77		7.59		
	Current input A	9.7-9.2-8.9		12.8-12.1-11.7		
COP (kW / kW)		4.33		4.15		
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 - 17		P15 - P250/1 - 21		
Sound pressure level (measured in anechoic room) dB <A>		57		60		
Diameter of refrigerant pipe	Liquid	mm (in.)	9.52 (3/8) Brazed		9.52 (3/8) Brazed (12.7 (1/2) Brazed, total length>=90m)	
	Gas	mm (in.)	19.05 (3/4) Brazed		22.2(7/8) Brazed	

External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension 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)x36-1/4x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION		MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter		Inverter		
	Motor output kW	5.4		6.7		
	Case heater kW	0.035		0.045		
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185		225	
		L / s	3,083		3,750	
		cfm	6,532		7,945	
	External static press. *4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)		
	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,tube-in-tube structure		Copper pipe,tube-in-tube 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	KB94G545		KB94T270		
	Wiring	KE94C140		KE94C319		
Standard attachment	Document	Installation Manual		Installation Manual		
	Accessory	Refrigerant conn. pipe		Refrigerant conn. pipe		
Optional parts		joint :CMY-Y102S-G2 Header :CMY-Y104/108/1010-G		joint :CMY-Y102S/L-G2 Header :CMY-Y104/108/1010-G		
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

Model			PUHY-EP300YHM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz				
Cooling capacity (Nominal)	*1	kW	33.5		
	*1	kcal / h	28,800		
	*1	Btu / h	114,300		
	*2	kcal / h	30,000		
		Power input	kW	8.25	
	Current input	A	13.9-13.2-12.7		
	COP (kW / kW)		4.06		
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	37.5		
	*3	kcal / h	32,300		
	*3	Btu / h	128,000		
		Power input	kW	9.28	
		Current input	A	15.6-14.8-14.3	
	COP (kW / kW)		4.04		
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 - 26			
Sound pressure level (measured in anechoic room)	dB <A>	60			
Diameter of refrigerant pipe	Liquid	mm (in.)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, total length>=40m)		
	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)x1220x760		
	in.	67-3/8(without legs 65)x48-1/16x29-15/16		
Net weight	kg (lb)	245 (541)		
Heat exchanger		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter		
	Motor output	kW	8.3	
	Case heater	kW	0.045	
	Lubricant	MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	225	
		L / s	3,750	
		cfm	7,945	
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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)		
	Control	LEV and HIC circuit		
Drawing	External	KB94G546		
	Wiring	KE94C140		
Standard attachment	Document	Installation Manual		
	Accessory	Refrigerant conn. pipe		
Optional parts		joint :CMY-Y102S/L-G2 Header :CMY-Y104/108/1010-G		
Remarks		<p>*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>*Due to continuing improvement, above specifications may be subject to change without notice.</p>		

Notes :	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

DATA G6

Y(HIGH COP)

<b>Model</b>		<b>PUHY-EP400YSHM-A(-BS)</b>		
Power source		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	45.0		
	*1 kcal / h	38,700		
	*1 Btu / h	153,500		
	*2 kcal / h	40,000		
	Power input	kW	10.41	
	Current input	A	17.5-16.6-16.0	
	COP (kW / kW)	4.32		
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	50.0		
	*3 kcal / h	43,000		
	*3 Btu / h	170,600		
	Power input	kW	11.54	
	Current input	A	19.4-18.5-17.8	
	COP (kW / kW)	4.33		
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 - 35		
Sound pressure level (measured in anechoic room)	dB <A>		60	
Diameter of refrigerant pipe	Liquid	mm (in.)	12.7 (1/2) Brazed	
	Gas	mm (in.)	28.58(1-1/8) Brazed	

**Set Model**

<b>Model</b>		<b>PUHY-EP200YHM-A(-BS)</b>		<b>PUHY-EP200YHM-A(-BS)</b>		
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)x36-1/4x29-15/16		67-3/8(without legs 65)x36-1/4x29-15/16		
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	5.4		5.4	
	Case heater	kW	0.035		0.035	
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185		185	
		L / s	3,083		3,083	
		cfm	6,532		6,532	
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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 dis-tributor	Liquid	mm (in.)	9.52 (3/8) Brazed		9.52 (3/8) Brazed	
	Gas	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
Drawing	External	KB94T272				
	Wiring	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				
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

Y(HIGH COP)

Model			PUHY-EP450YSHM-A1(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz				
Cooling capacity (Nominal)	*1	kW	50.0		
	*1	kcal / h	43,000		
	*1	Btu / h	170,600		
	*2	kcal / h	45,000		
		Power input	kW	11.87	
	Current input	A	20.0-19.0-18.3		
	COP (kW / kW)		4.21		
Temp. range of cooling	Indoor	W.B.	15 to 24degC (59 to 75degF)		
	Outdoor	D.B.	- 5 to 43degC (23 to 109degF)		
Heating capacity (Nominal)	*3	kW	56.0		
	*3	kcal / h	48,200		
	*3	Btu / h	191,100		
		Power input	kW	13.05	
		Current input	A	22.0-20.9-20.1	
	COP (kW / kW)		4.29		
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 - 39		
Sound pressure level (measured in anechoic room)		dB <A>	62		
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-EP200YHM-A(-BS)		PUHY-EP250YHM-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)x36-1/4x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16	
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	5.4		6.7	
	Case heater	kW	0.035		0.045	
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185		225	
		L / s	3,083		3,750	
		cfm	6,532		7,945	
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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		9.52 (3/8) Brazed	
	Gas	mm (in.)	19.05(3/4) Brazed		22.2(7/8) Brazed	
Drawing	External		KB94T273			
	Wiring		KE94C140		KE94C319	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G			
Remarks			*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.			

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

Y(HIGH COP)

<b>Model</b>		<b>PUHY-EP500YSHM-A(-BS)</b>		
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	13.46	
	Current input	A	22.7-21.5-20.8	
	COP (kW / kW)		4.16	
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	15.14	
	Current input	A	25.5-24.2-23.4	
	COP (kW / kW)		4.16	
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		
Sound pressure level (measured in anechoic room)	dB <A>		62	
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8) Brazed	
	Gas	mm (in.)	28.58(1-1/8) Brazed	

**Set Model**

<b>Model</b>		<b>PUHY-EP200YHM-A(-BS)</b>		<b>PUHY-EP300YHM-A(-BS)</b>		
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)x36-1/4x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	5.4	8.3		
	Case heater	kW	0.035	0.045		
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185	225		
		L / s	3,083	3,750		
		cfm	6,532	7,945		
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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.)	19.05(3/4) Brazed	22.2(7/8) Brazed		
Drawing	External	KB94T273				
	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				
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :	*1 Nominal cooling conditions	*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) Level difference : 0m(0ft)	5m(16-3/8ft) 0m(0ft)	7.5m(24-9/16ft) 0m(0ft)	cfm = m <sup>3</sup> /min x 35.31 lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

HIGH COP

Model		PUHY-EP550YSHM-A1(-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	15.44	
Current input	A	26.0-24.7-23.8		
COP (kW / kW)		4.08		
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	16.82	
	Current input	A	28.3-26.9-26.0	
COP (kW / kW)		4.10		
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		
Sound pressure level (measured in anechoic room)	dB <A>	63		
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-EP250YHM-A(-BS)		PUHY-EP300YHM-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)x48-1/16x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output	kW	6.7	8.3		
	Case heater	kW	0.045	0.045		
	Lubricant		MEL32		MEL32	
FAN	Air flow rate	m <sup>3</sup> / min	225	225		
		L / s	3,750	3,750		
		cfm	7,945	7,945		
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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 11.5kg (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		
	Gas	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed		
Drawing	External	KB94T274				
	Wiring	KE94C319		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				
Remarks		<p>*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>*Due to continuing improvement, above specifications may be subject to change without notice.</p>				

Notes :	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

DATA G6

Y(HIGH COP)

<b>Model</b>		<b>PUHY-EP600YSHM-A(-BS)</b>		
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	16.99	
Current input		A		
COP (kW / kW)		28.6-27.2-26.2		
COP (kW / kW)		4.06		
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	18.93	
	Current input	A	31.9-30.3-29.2	
COP (kW / kW)		4.04		
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		
Sound pressure level (measured in anechoic room)		dB <A>		
		63		
Diameter of refrigerant pipe	Liquid	mm (in.)		
	Gas	15.88 (5/8) Brazed		
		28.58(1-1/8) Brazed		

**Set Model**

<b>Model</b>		<b>PUHY-EP300YHM-A(-BS)</b>	<b>PUHY-EP300YHM-A(-BS)</b>	
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)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16	
Net weight	kg (lb)	245 (541)	245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter	Inverter	
	Motor output	kW	8.3	8.3
	Case heater	kW	0.045	0.045
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m <sup>3</sup> / min	225	225
		L / s	3,750	3,750
		cfm	7,945	7,945
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)	0 Pa (0mmH <sub>2</sub> O)
	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,tube-in-tube 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	
	Gas	mm (in.)	22.2(7/8) Brazed	
Drawing	External	KB94T274		
	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		
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.		

Notes :	*1 Nominal cooling conditions	*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) Level difference : 0m(0ft)	5m(16-3/8ft) 0m(0ft)	7.5m(24-9/16ft) 0m(0ft)	cfm = m <sup>3</sup> /min x 35.31 lb = kg/0.4536
*Nominal condition *1,*3 are subject to JIS B8615-1				*Above specification data is subject to rounding variation.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				



# 1. SPECIFICATIONS

Model		PUHY-EP650YSHM-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	
	Power input kW	18.34	
Current input A		30.9-29.4-28.3	
COP (kW / kW)		3.98	
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	19.13	
	Current input A	32.2-30.6-29.5	
COP (kW / kW)		4.26	
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	
Sound pressure level (measured in anechoic room)		dB <A> 63.5	
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-EP300YHM-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)x48-1/16x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		
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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION				
	Starting method	Inverter		Inverter		
	Motor output kW	8.3		10.3		
	Case heater kW	0.045		0.045		
	Lubricant	MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	225		225	
		L / s	3,750		3,750	
		cfm	7,945		7,945	
	External static press. *4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)		
	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,tube-in-tube 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.)	22.2(7/8) Brazed		28.58(1-1/8) Brazed		
Drawing	External	KB94T274				
	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				
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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				
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				
*Above specification data is subject to rounding variation.				

# 1. SPECIFICATIONS

DATA G6

Model		PUHY-EP700YSHM-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	20.99	
	Current input	A	35.4-33.6-32.4	
COP (kW / kW)		3.81		
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	20.00	
	Current input	A	33.7-32.0-30.9	
	COP (kW / kW)		4.40	
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		
Sound pressure level (measured in anechoic room)	dB <A>	63		
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-EP200YHM-A(-BS)		PUHY-EP200YHM-A(-BS)		PUHY-EP300YHM-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				
	in.	67-3/8(without legs 65)x36-1/4x29-15/16	67-3/8(without legs 65)x36-1/4x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16				
Net weight	kg (lb)	200 (441)	200 (441)	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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION						
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	5.4	5.4	8.3			
	Case heater	kW	0.035	0.035	0.045			
	Lubricant		MEL32		MEL32		MEL32	
FAN	Air flow rate	m <sup>3</sup> / min	185	185	225			
		L / s	3,083	3,083	3,750			
		cfm	6,532	6,532	7,945			
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)	
	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,tube-in-tube 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.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed			
	Gas	mm (in.)	19.05(3/4) Brazed	19.05(3/4) Brazed	22.2(7/8) Brazed			
Drawing	External	KE94C140		KE94T299		KE94C140		
	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						
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.						

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

Y(HIGH COP)

Model		PUHY-EP750YSHM-A1(-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	
	Power input kW	20.43	
	Current input A	34.4-32.7-31.5	
	COP (kW / kW)	4.16	
Temp. range of cooling	Indoor	W.B.	15 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	22.19
	Current input A	37.4-35.5-34.3	
	COP (kW / kW)	4.28	
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	
Sound pressure 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-EP200YHM-A(-BS)		PUHY-EP250YHM-A(-BS)		PUHY-EP300YHM-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)x36-1/4x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		67-3/8(without legs 65)x48-1/16x29-15/16		
Net weight	kg (lb)	200 (441)		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		
	Manufacture	MITSUBISHI ELECTRIC CORPORATION						
	Starting method	Inverter		Inverter		Inverter		
	Motor output kW	5.4		6.7		8.3		
	Case heater kW	0.035		0.045		0.045		
Lubricant		MEL32		MEL32		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185		225		225	
		L / s	3,083		3,750		3,750	
		cfm	6,532		7,945		7,945	
	External static press. *4	0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)		0 Pa (0mmH <sub>2</sub> O)		
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,tube-in-tube 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.)	9.52 (3/8) Brazed		9.52 (3/8) Brazed		12.7 (1/2) Brazed	
	Gas	mm (in.)	19.05(3/4) Brazed		22.2(7/8) Brazed		22.2(7/8) Brazed	
Drawing	External	KE94C140		KE94C140		KE94C140		
	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						
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.						

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

Y(HIGH COP)

<b>Model</b>		<b>PUHY-EP800YSHM-A(-BS)</b>		
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	22.00	
Current input		A	37.1-35.2-34.0	
COP (kW / kW)		4.09		
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	23.41	
	Current input	A	39.5-37.5-36.1	
COP (kW / kW)		4.27		
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		
Sound pressure 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-EP200YHM-A(-BS)	PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-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)x36-1/4x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16	
Net weight	kg (lb)	200 (441)	245 (541)	245 (541)	
Heat exchanger		Salt-resistant cross fin & copper tube			
Compressor	Type	Inverter scroll hermetic compressor			
	Manufacture	MITSUBISHI ELECTRIC CORPORATION			
	Starting method	Inverter			
	Motor output	kW	5.4	8.3	
	Case heater	kW	0.035	0.045	
	Lubricant	MEL32			
FAN	Air flow rate	m <sup>3</sup> / min	185	225	
		L / s	3,083	3,750	
		cfm	6,532	7,945	
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)	0 Pa (0mmH <sub>2</sub> O)	0 Pa (0mmH <sub>2</sub> O)
	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,tube-in-tube 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.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	
	Gas	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	
Drawing	External	KB94T275			
	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			
Remarks		*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.			

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.	
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)					

# 1. SPECIFICATIONS

Model			PUHY-EP850YSHM-A1(-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		
	Power input	kW	23.58		
	Current input	A	39.8-37.8-36.4		
	COP (kW / kW)		4.07		
Temp. range of cooling	Indoor	W.B.	15 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		
		Power input	kW	25.59	
	Current input	A	43.1-41.0-39.5		
	COP (kW / kW)		4.22		
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		
Sound pressure 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		

Model			PUHY-EP250YHM-A(-BS)	PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-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)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16
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
	Manufacture		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	6.7	8.3	8.3
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m <sup>3</sup> / min	225	225	225
		L / s	3,750	3,750	3,750
		cfm	7,945	7,945	7,945
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)	0 Pa (0mmH <sub>2</sub> O)	0 Pa (0mmH <sub>2</sub> O)
	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,tube-in-tube 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.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Drawing	External		KB94T276		
	Wiring		KE94C319	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		
Remarks			*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.		

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
*4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

# 1. SPECIFICATIONS

DATA G6

Y(HIGH COP)

Model			PUHY-EP900YSHM-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	24.87	
	Current input	A	41.9-39.8-38.4		
	COP (kW / kW)		4.06		
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	27.90	
		Current input	A	47.0-44.7-43.1	
	COP (kW / kW)		4.05		
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		
Sound pressure 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		

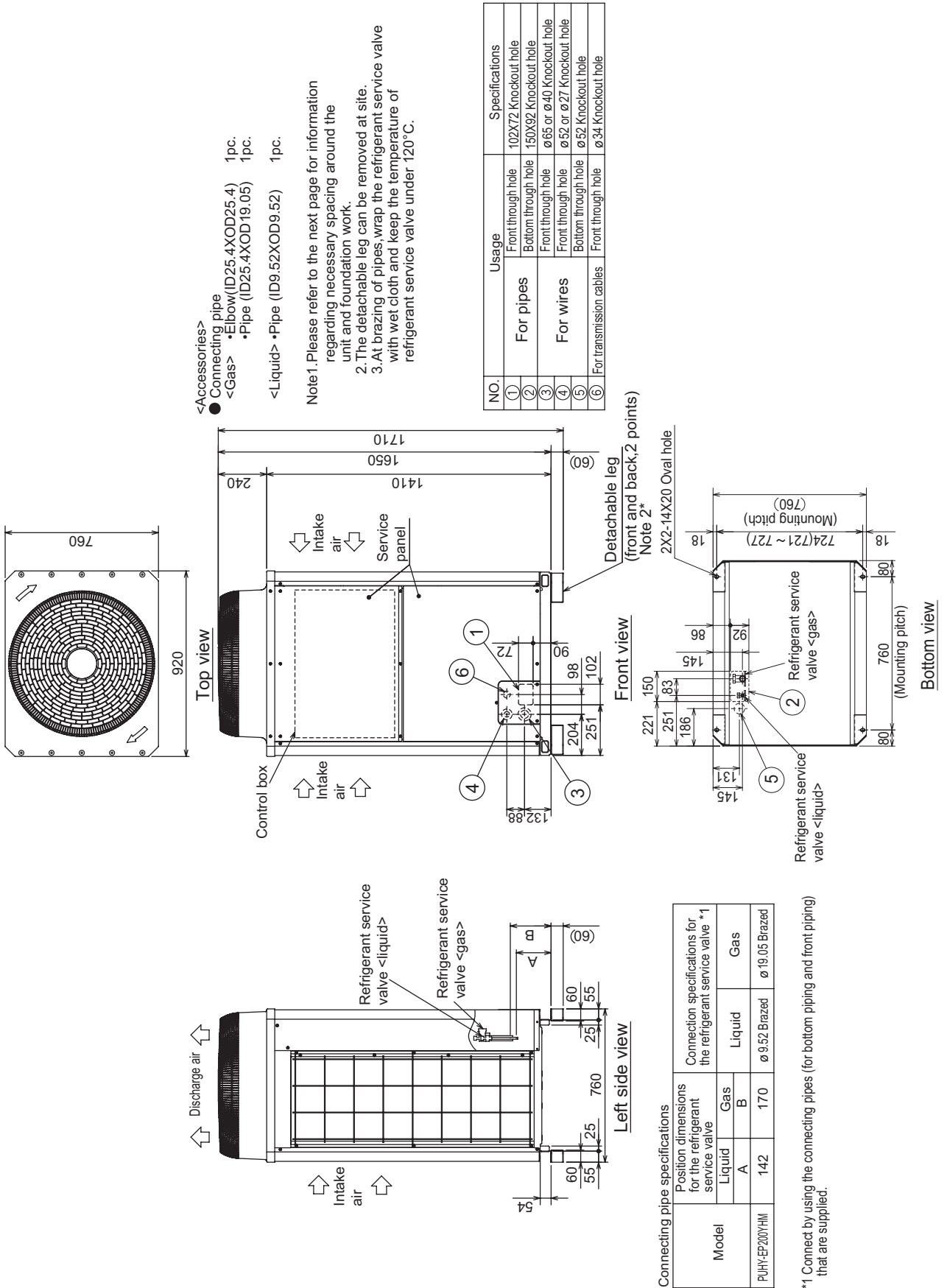
### Set Model

Model			PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-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)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16	67-3/8(without legs 65)x48-1/16x29-15/16
Net weight	kg (lb)		245 (541)	245 (541)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube		
Compressor	Type		Inverter scroll hermetic compressor		
	Manufacture		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter		
	Motor output	kW	8.3		
	Case heater	kW	0.045		
	Lubricant		MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	225		
		L / s	3,750		
		cfm	7,945		
	External static press.	*4	0 Pa (0mmH <sub>2</sub> O)		
	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,tube-in-tube 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	12.7 (1/2) Brazed
	Gas	mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed
Drawing	External		KB94T276		
	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		
Remarks			*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *Due to continuing improvement, above specifications may be subject to change without notice.		

Notes :	*1 Nominal cooling conditions	*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 <sup>3</sup> /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.
4 External static pressure option is available (30Pa, 60Pa/3.1mmH <sub>2</sub> O, 6.1mmH <sub>2</sub> O)				

## PUHY-EP200YHM-A(-BS)

Ref. : PUHY\_YHM-A\_EXD\_EUDB\_EP200\_Y1  
Unit : mm



HIGH COP



PUHY-EP200YHM-A(-BS)

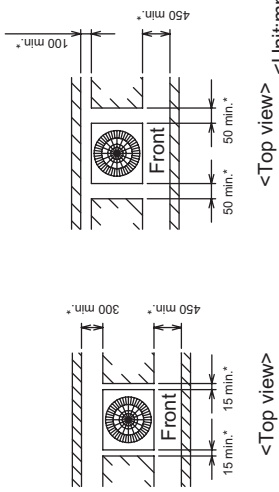
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Unit : mm

Y(HIGH COP)

1.Required space around the unit

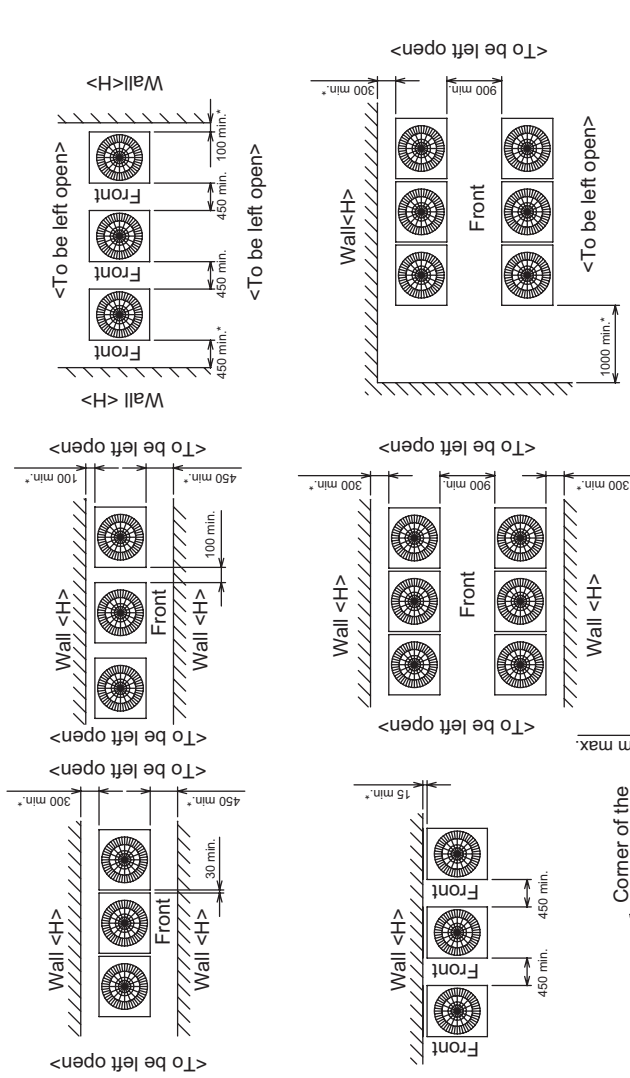
In case of single installation

- 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

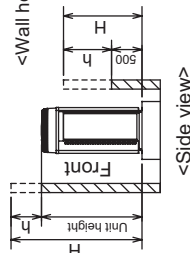


In case of collective installation

- 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.

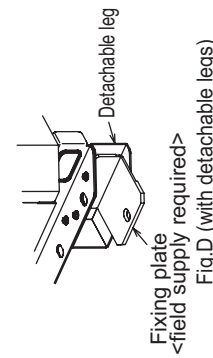
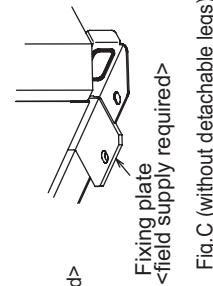
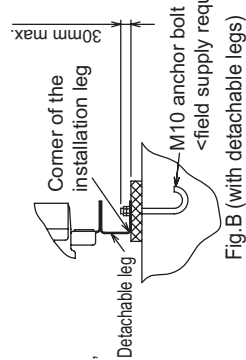
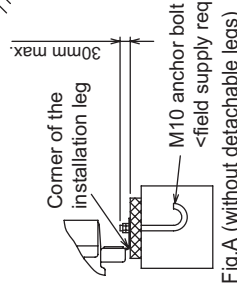


- ② When the height of the walls on the front,back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2.Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.  
<Note that the drain water comes out of the unit during operation.>
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A,B)  
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A, B)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C, D)
- ⑤ To prevent small animals and water 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.

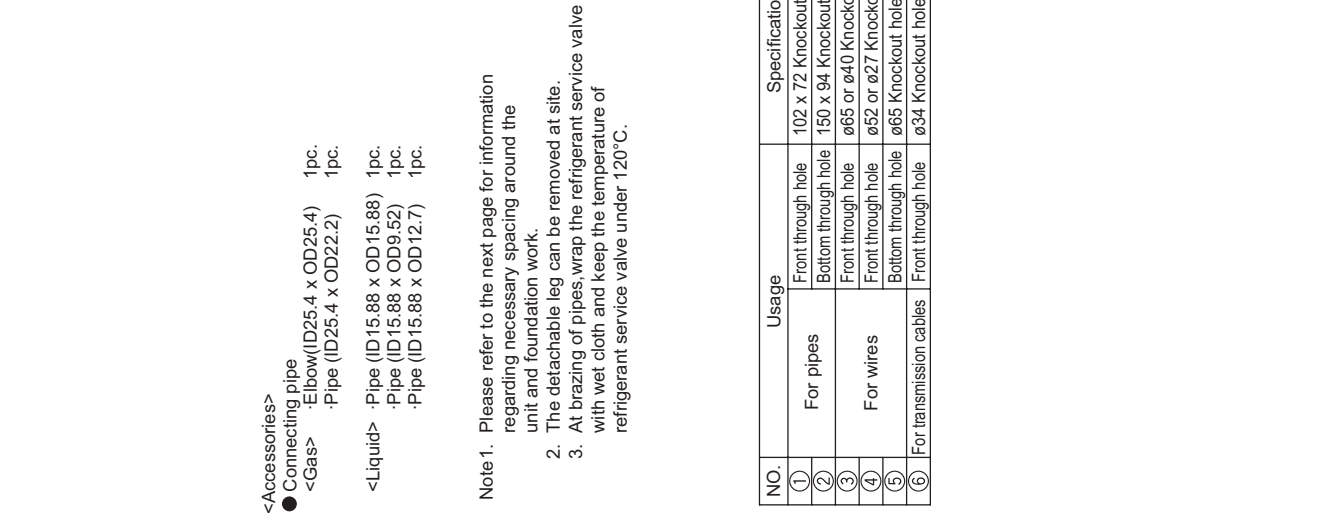




## PUHY-EP250, 300YHM-A(-BS)

Ref. : PUHY-YHM-A\_EXD\_EUDB\_EP250-EP300\_Y1

Unit : mm



- <Accessories>
- Connecting pipe
  - <Gas>
    - Elbow(ID25.4 x OD25.4) 1pc.
    - Pipe (ID25.4 x OD22.2) 1pc.
  - <Liquid>
    - Pipe (ID15.88 x OD15.88) 1pc.
    - Pipe (ID15.88 x OD9.52) 1pc.
    - Pipe (ID15.88 x OD12.7) 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	For pipes	Front through hole 102 x 72 Knockout hole
②		Bottom through hole 150 x 94 Knockout hole
③	For wires	Front through hole ø65 or ø40 Knockout hole
④		Front through hole ø52 or ø27 Knockout hole
⑤	For transmission cables	Bottom through hole ø65 Knockout hole
⑥		Front through hole ø34 Knockout hole

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve*1	
	Liquid	Gas	Liquid	Gas
PUHY-EP250YHM	158	172	ø9.52 Brazed (ø12.7 Brazed) <sub>v3</sub>	ø22.2 Brazed
PUHY-EP300YHM	158	172	ø9.52 Brazed (ø12.7 Brazed) <sub>v2,4</sub>	ø22.2 Brazed

\*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.  
 \*3. Total length >= 90mm  
 \*4. Total length >= 40mm

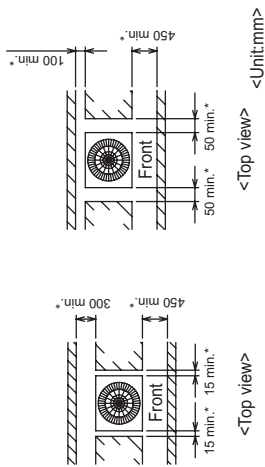
PUHY-EP250, 300YHM-A(-BS)

Ref. : PUHY-YHM-A\_EXD\_EUDB\_EP250-EP300\_Y2  
Unit : mm

1. Required space around the unit

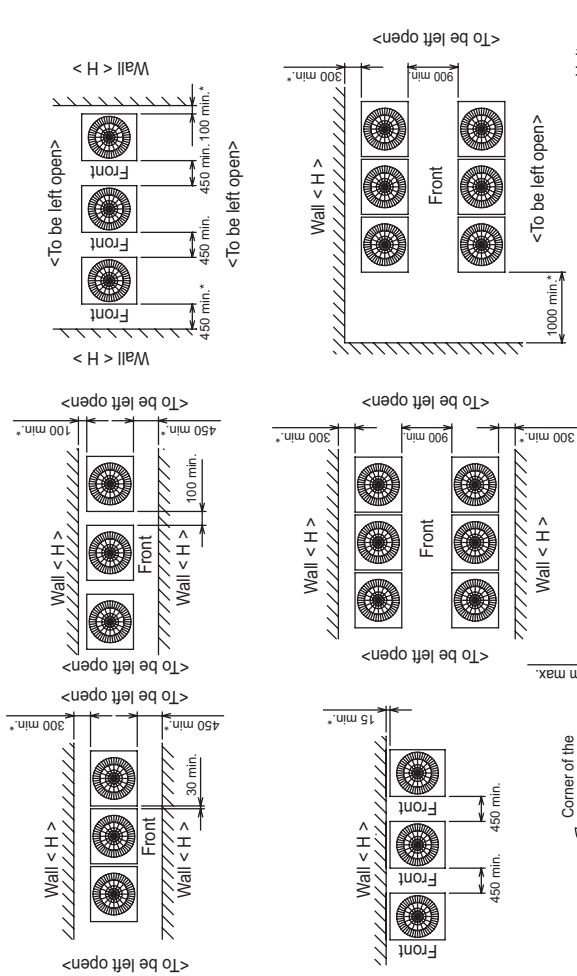
● In case of single installation

- 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

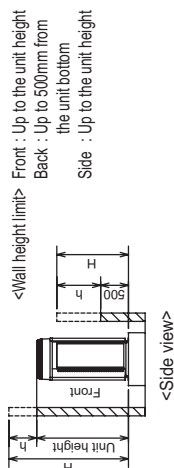


● In case of collective installation

- 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 -> 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 -> to the figures that are marked with an asterisk.



2. Foundation work

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

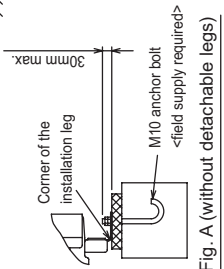


Fig. A (without detachable legs)

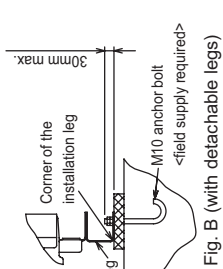


Fig. B (with detachable legs)

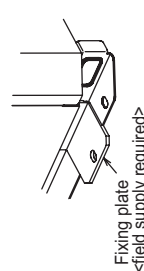


Fig. C (without detachable legs)

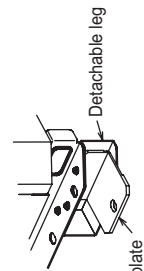
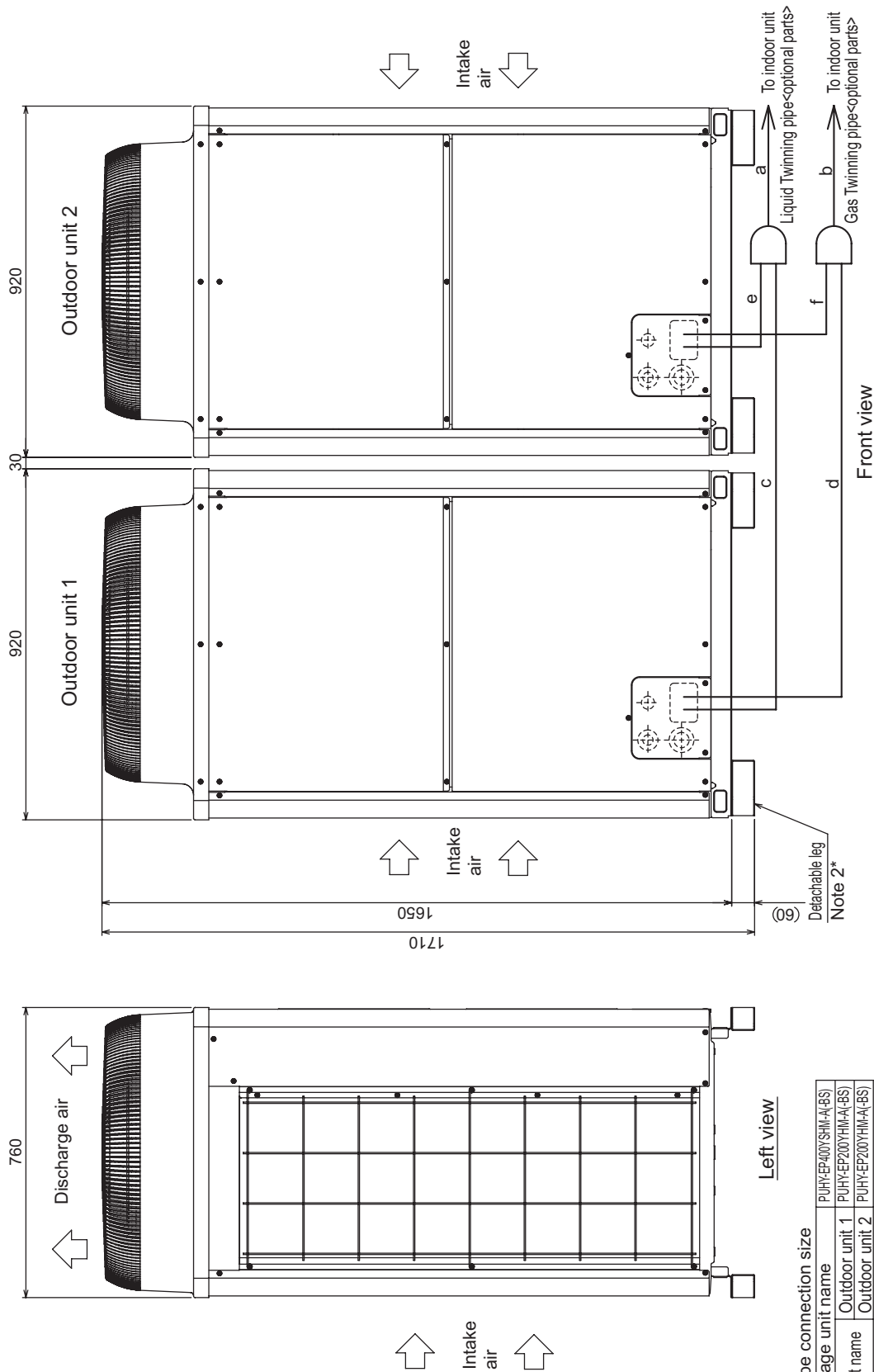


Fig. D (with detachable legs)

Y(HIGH COP)

PUHY-EP400YSHM-A(-BS)

Ref. : PUHY\_YHM-A\_EXD\_EUDB\_EP400  
Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-EP400YSHM-A(-BS)	
Component unit name	Outdoor unit 1	PUHY-EP200YHMA(-BS)
Outdoor Twinning Kit(optional parts)	Outdoor unit 2	PUHY-EP200YHMA(-BS)
Indoor unit ~ Twinning pipe	Liquid	CMY-Y100VBK2
	Gas	ø12.7 ø28.58

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

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.  
 Be sure to see the Installation Manual for details of Twinning pipe installation.  
 4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (\*including the straight pipe that is supplied with the Twinning pipe).  
 5. Only use the Twinning pipe by Mitsubishi (optional parts).

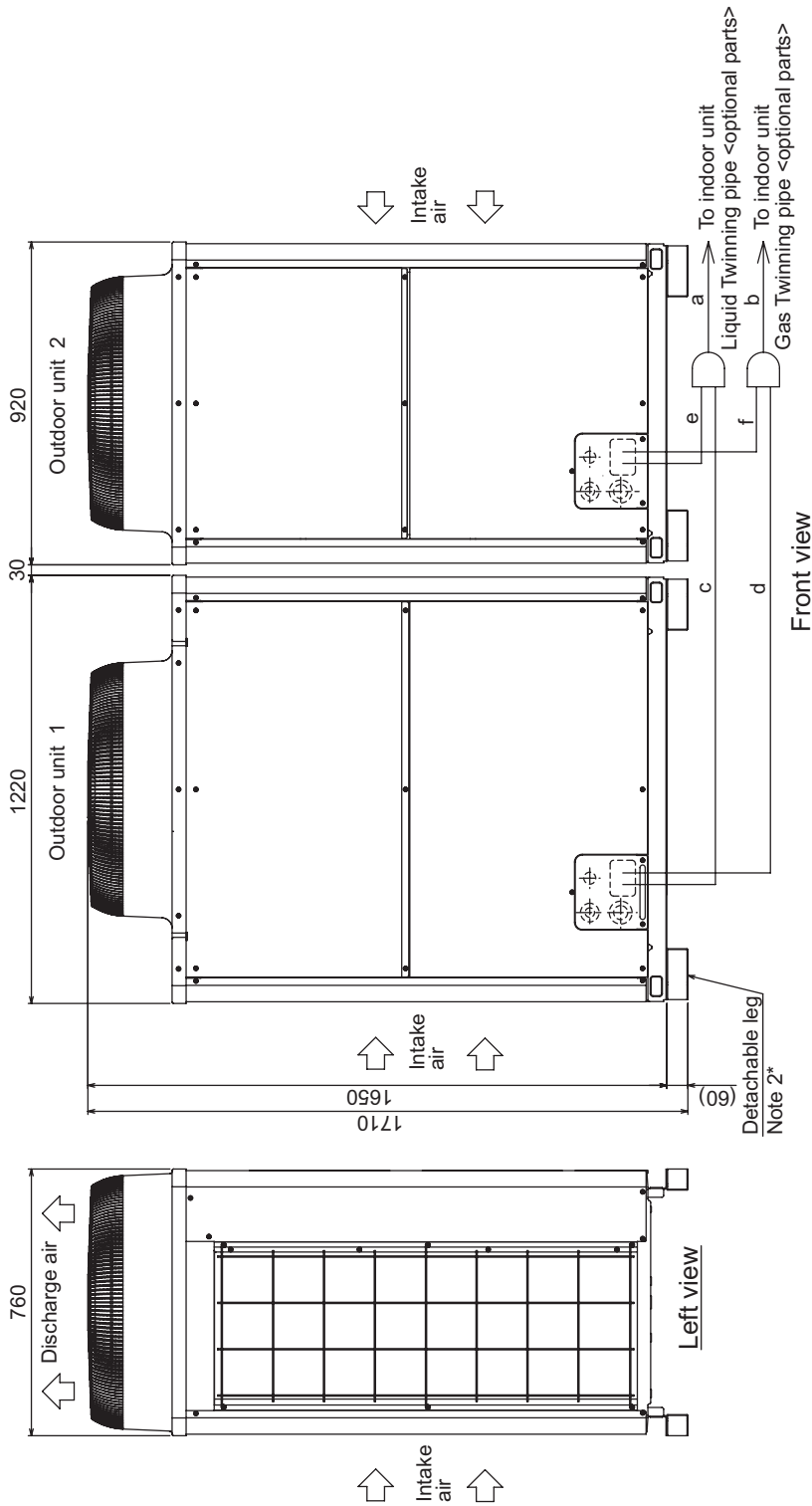
(HIGH COP)

PUHY-EP450,500YSHM-A(1)(-BS)

Ref. : PUHY-YSHM-A\_EXD\_EUDB\_EP450-EP500

Unit : mm

Y(HIGH COP)



Front view

Left view

Unit model	Liquid c or e	Gas d or f
EP200	ø9.52	ø19.05
EP250	ø9.52	ø22.2
EP300	ø12.7	ø22.2

Package unit name	PUHY-EP450YSHM-A(1)(-BS)	PUHY-EP500YSHM-A(-BS)
Outdoor unit 1	PUHY-EP250YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
Outdoor unit 2	PUHY-EP200YHM-A(-BS)	PUHY-EP200YHM-A(-BS)
Outdoor Twining Kit (optional parts)	CMY-Y100VBK2	
Indoor unit ~ Twining pipe	Liquid a	ø15.88
	Gas b	ø28.58

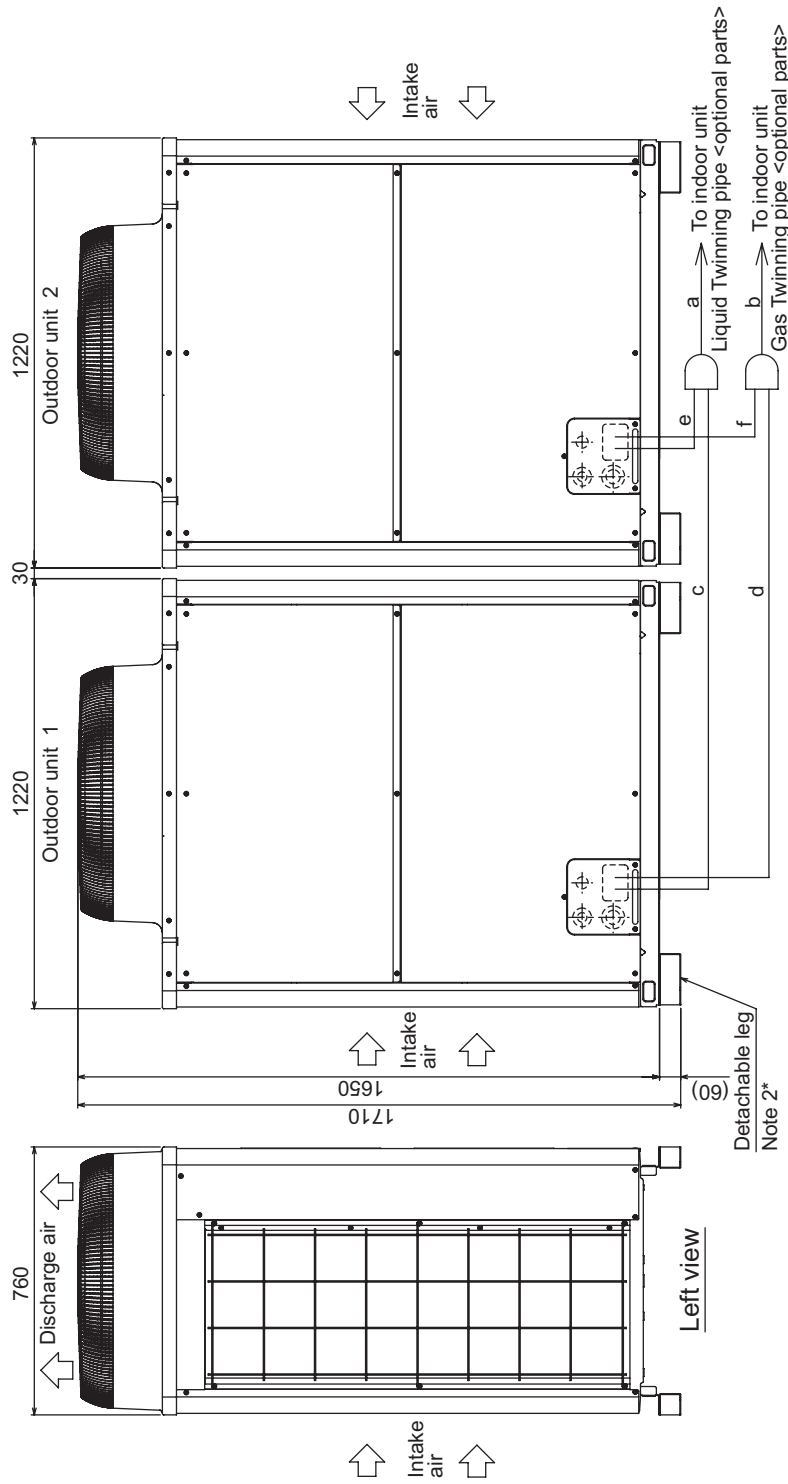
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twining pipes should not be tilted more than 15 degrees from the horizontal plane.  
 Be sure to see the Installation Manual for details of Twining pipe installation.  
 4. The pipe section before the Twining pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (\* including the straight pipe that is supplied with the Twining pipe).  
 5. Only use the Twining pipe by Mitsubishi (optional parts).

Twining pipe connection size

PUHY-EP550, 600, 650YSHM-A(1)(-BS)

Ref. : PUHY-YSHM-A\_EXD\_EUDB\_EP550-EP650

Unit : mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-EP550YSHM-A(1)(BS)	PUHY-EP600YSHM-A(-BS)	PUHY-EP650YSHM-A(-BS)	PUHY-EP350YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
Outdoor unit 1	PUHY-EP550YSHM-A(1)(BS)	PUHY-EP600YSHM-A(-BS)	PUHY-EP650YSHM-A(-BS)	PUHY-EP350YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
Outdoor unit 2	PUHY-EP300YHM-A(-BS)	PUHY-EP250YHM-A(-BS)	PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
Outdoor Twinning Kit (optional parts)	CMY-Y100VBK2				
Indoor unit ~ Twinning pipe	Liquid	a	ø15.88		
	Gas	b	ø28.58		

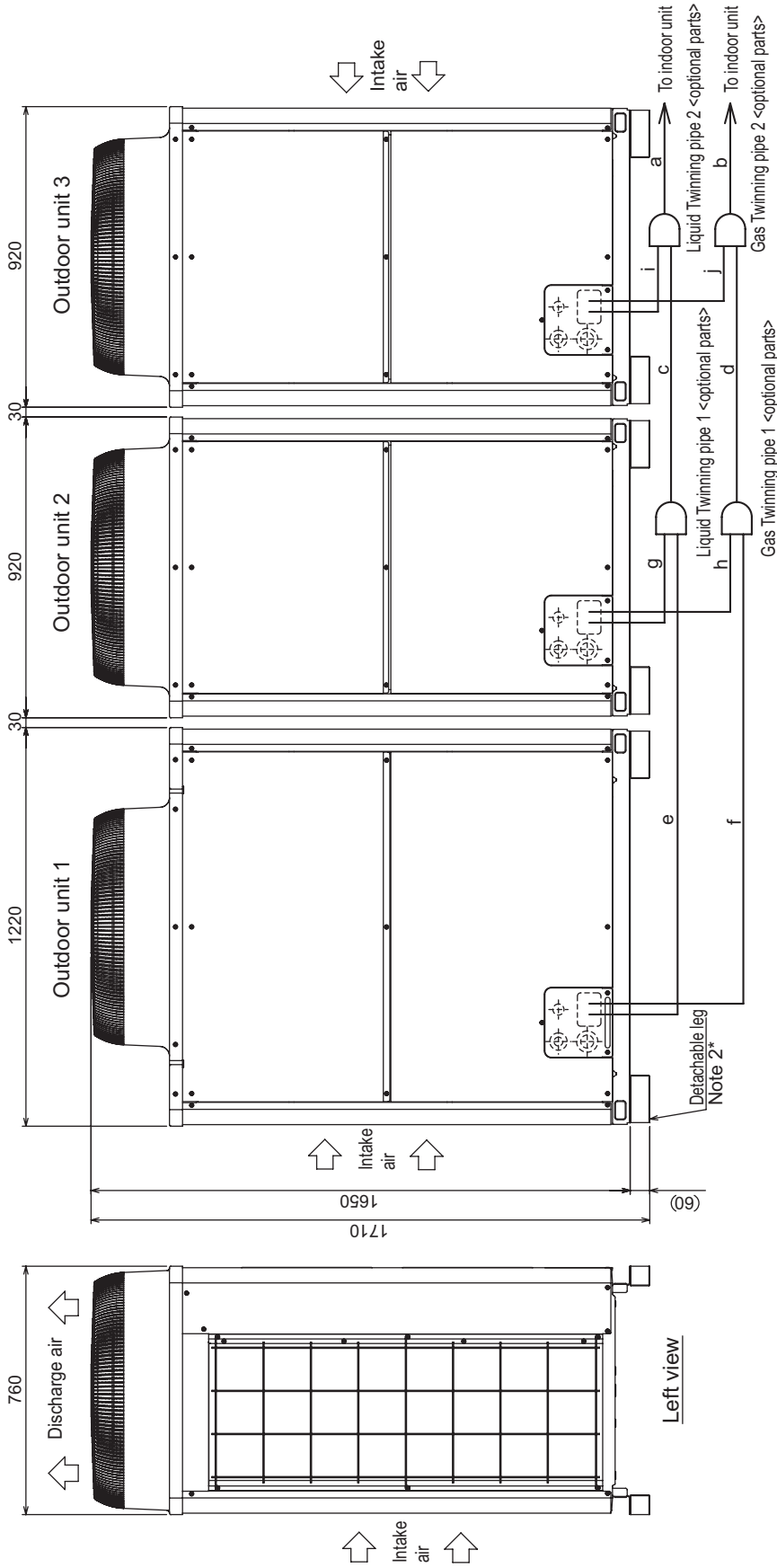
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.  
 Be sure to see the Installation Manual for details of Twinning pipe installation.  
 4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (\* including the straight pipe that is supplied with the Twinning pipe).  
 5. Only use the Twinning pipe by Mitsubishi (optional parts).

(HIGH COP)

PUHY-EP700YSHM-A(-BS)

Ref. : PUHY\_YHM-A\_EXD\_EUDB\_EP700  
Unit : mm

Y(HIGH COP)



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-EP700YSHM-A(-BS)	
Outdoor unit 1	PUHY-EP300YHM-A(-BS)	
Outdoor unit 2	PUHY-EP200YHM-A(-BS)	
Outdoor unit 3	PUHY-EP200YHM-A(-BS)	
Outdoor Twinning Kit(optional parts)	CMY-Y300VBK2	
Indoor unit~ Twinning pipe 2	Liquid a	ø19.05
	Gas b	ø34.93
Twinning pipe 1 ~ Twinning pipe 2	Liquid c	ø19.05
	Gas d	ø34.93

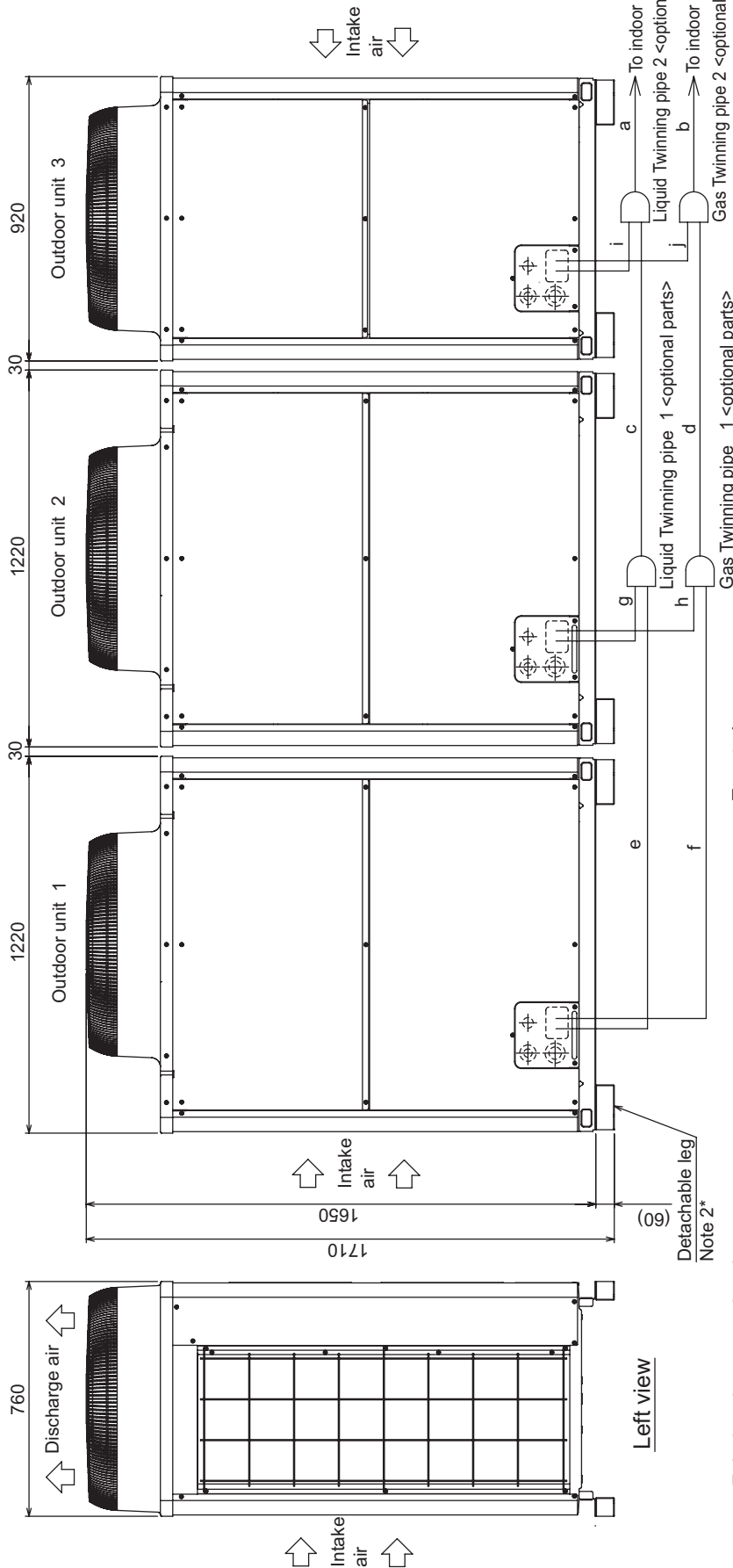
Unit model	Liquid e or g or i	Gas f or h or j
EP200	ø9.52	ø19.05
EP300	ø12.7	ø22.2

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.  
 4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (\* including the straight pipe that is supplied with the Twinning pipe).  
 5. Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP750, 800YSHM-A(1)-(BS)

Ref.: PUHY-YSHM-A\_EXD\_EUDB\_EP750-EP800

Unit: mm



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-EP750YSHM-A(1)-(BS)	PUHY-EP800YSHM-A(1)-(BS)
Outdoor unit 1	PUHY-EP300YHM-A(1)-(BS)	PUHY-EP300YHM-A(1)-(BS)
Outdoor unit 2	PUHY-EP250YHM-A(1)-(BS)	PUHY-EP300YHM-A(1)-(BS)
Outdoor unit 3	PUHY-EP200YHM-A(1)-(BS)	PUHY-EP200YHM-A(1)-(BS)
Outdoor Twinning Kit (optional parts)	CMY-Y300VBK2	
Indoor unit ~	ø19.05	
Twinning pipe 2	Liquid	a
	Gas	b
Twinning pipe 1 ~	Liquid	c
Twinning pipe 2	Gas	d

Unit model	Liquid diameter [mm]	Gas diameter [mm]
EP200	ø9.52	ø19.05
EP250	ø9.52	ø22.2
EP300	ø12.7	ø22.2

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

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

Note 3. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.

Note 4. Be sure to see the Installation Manual for details of Twinning pipe installation.

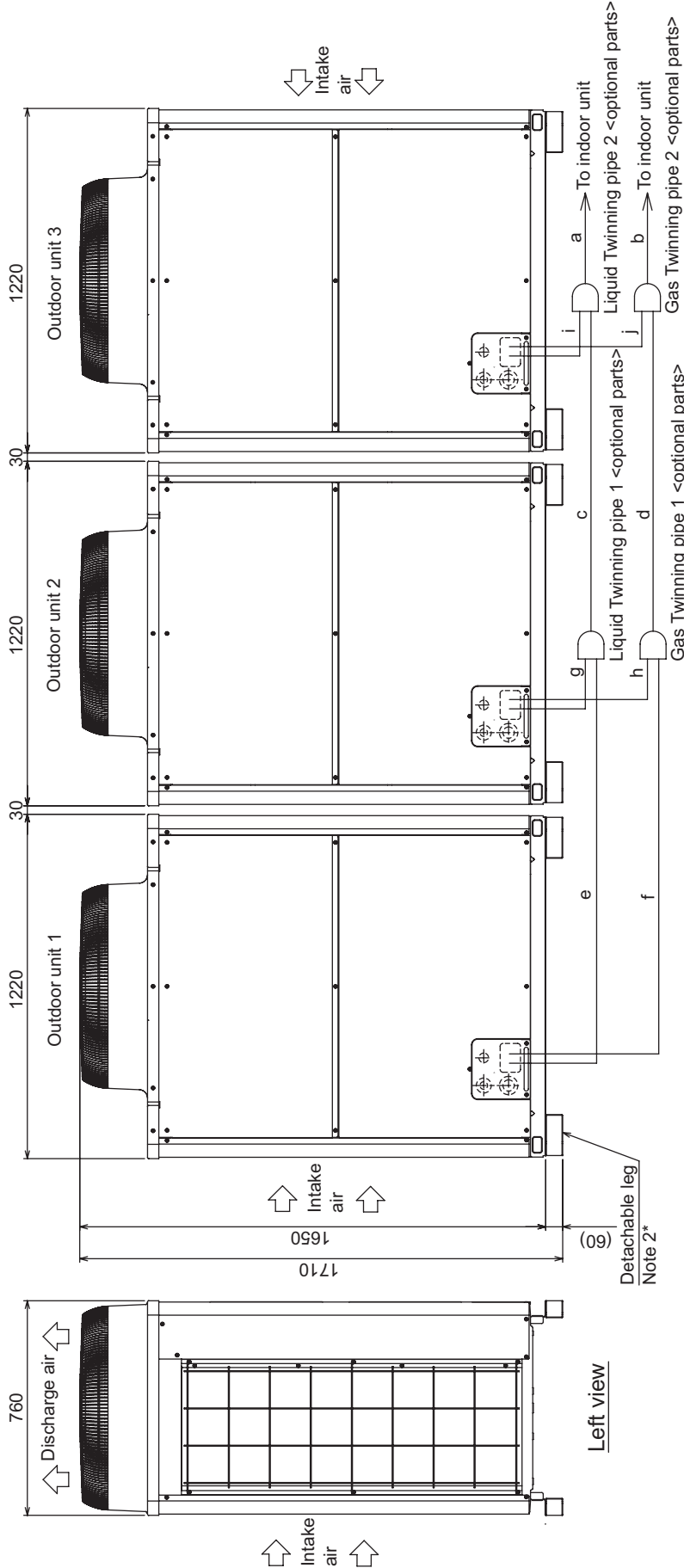
Note 5. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (\* including the straight pipe that is supplied with the Twinning pipe).

Note 6. Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-EP850, 900YSHM-A(1)-(BS)

Ref. : PUHY-YSHM-A\_EXD\_EUDB\_EP850-EP900  
Unit : mm

Y(HIGH COP)



Front view

Left view

Twinning pipe connection size

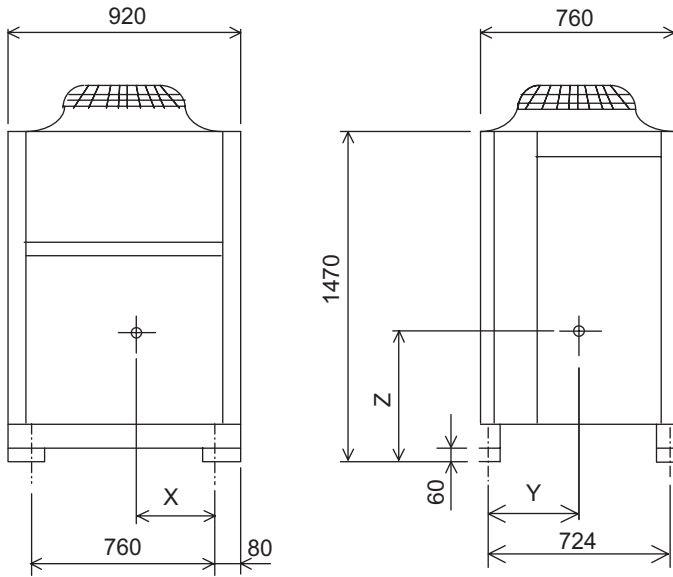
Package unit name	PUHY-EP850YSHM-A(1)-(BS)	PUHY-EP900YSHM-A(1)-(BS)
Component unit name	Outdoor unit 1	Outdoor unit 2
	Outdoor unit 2	Outdoor unit 3
Outdoor Twinning Kit (optional parts)	CMY-Y300VBK2	
Indoor unit ~	Liquid	a
Twinning pipe 2	Gas	b
Twinning pipe 1 ~	Liquid	c
Twinning pipe 2	Gas	d

Unit model	Liquid pipe ø or g or j	Gas pipe ø or h or i
EP250	ø9.52	ø22.2
EP300	ø12.7	ø22.2

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.  
 2. The detachable leg can be removed at site.  
 3. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.  
 Be sure to see the Installation Manual for details of Twinning pipe installation.  
 4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (\* including the straight pipe that is supplied with the Twinning pipe).  
 5. Only use the Twinning pipe by Mitsubishi (optional parts).

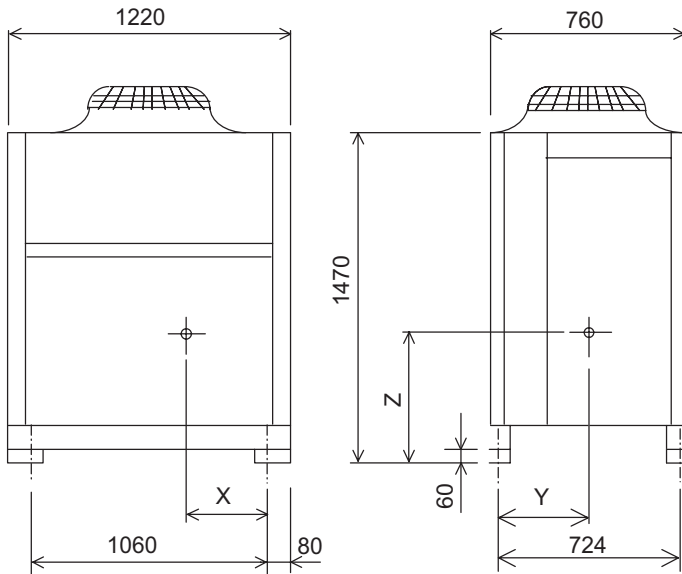


PUHY-P250, P300, EP200YHM-A (-BS)



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, EP250, EP300YHM-A (-BS)



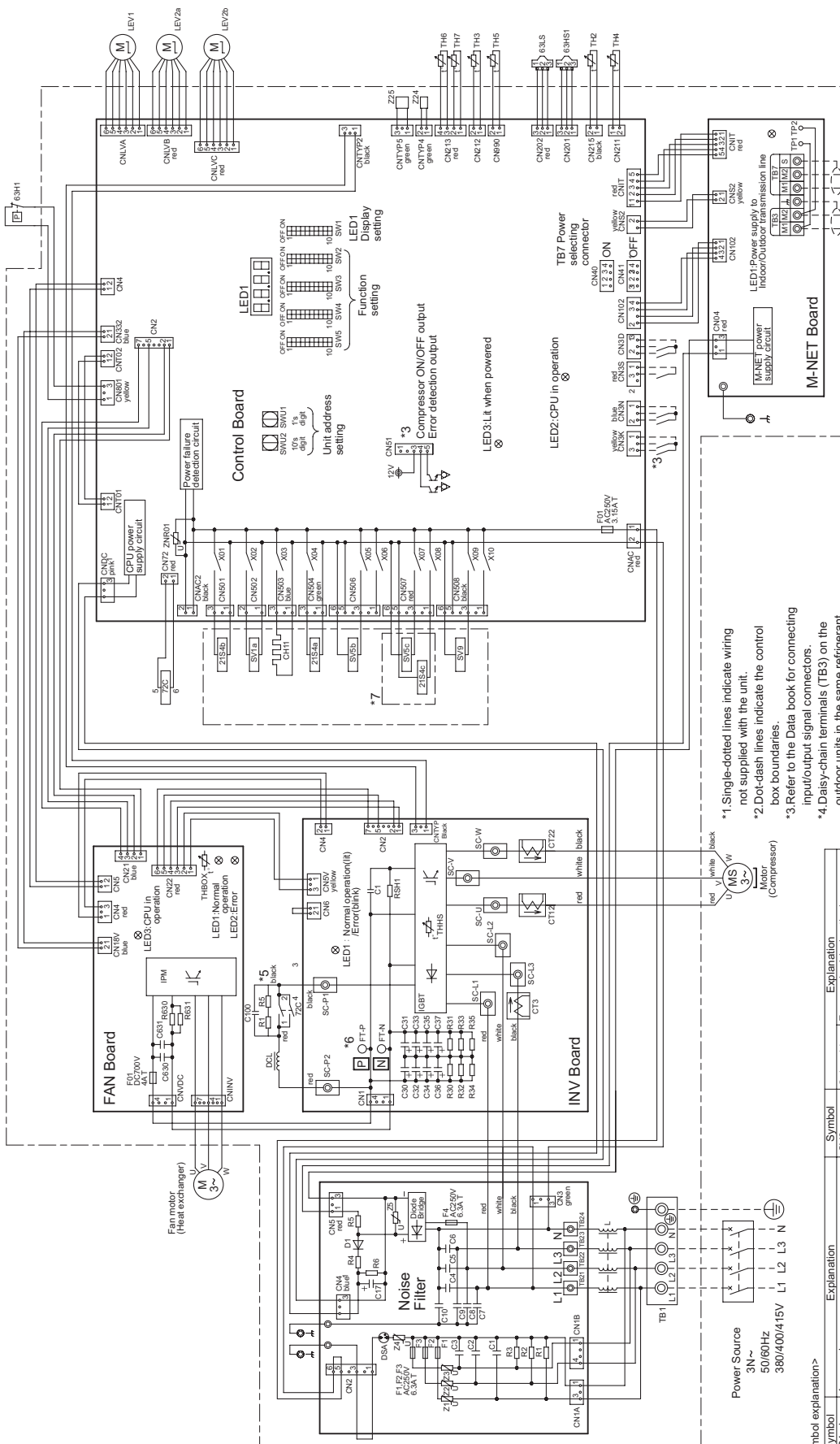
Model	X	Y	Z
PUHY-P350YHM-A (-BS)	440	329	630
PUHY-P400YHM-A (-BS)	440	329	630
PUHY-P450YHM-A (-BS)	440	329	630
PUHY-EP250YHM-A (-BS)	440	329	630
PUHY-EP300YHM-A (-BS)	440	329	630

Y(HIGH COP)

PUHY-P250, 300, 350, 400, 450YHM-A(-BS)  
 PUHY-EP200, 250, 300YHM-A(-BS)

Ref.: PUHY\_YHM-A\_EWD\_EUDB\_ALL

Y(HIGH COP)



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

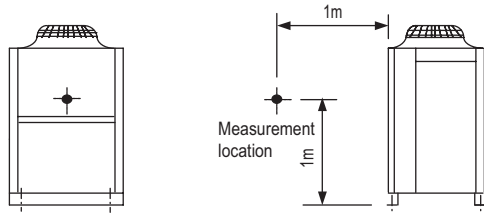
<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
Z1S4E1.b.c	4-way valve	SV9	Solenoid valve
63HT	High pressure protection for the pressure switch	TB1	For opening/closing the bypass circuit
63HS1	Discharge pressure sensor	TB3	Power supply terminal block
63LS	Low pressure sensor	TB7	Indoor/Outdoor transmission cable
ZC	Magnetic relay (inverter main circuit)		Central control transmission cable
CT12.22.3	Crankcase heater (for heating the compressor)		Subcool bypass outlet temperature
CH11	DC reactor	TH2	Thermistor
LEV1	HIC bypass Controls refrigerant flow in HIC circuit	TH3	Pipe temperature
LEV2a.b	Pressure control, Refrigerant flow rate control	TH4	Discharge pipe temperature
SV1a	Solenoid valve	TH5	AAC inlet pipe temperature
SV5b.c	For opening/dosing the bypass circuit, the O/S outdoor unit heat exchanger capacity control	TH6	Subcooled liquid refrigerant temperature
		TH7	Oil temperature
		TH8	Compressor temperature
		TH9	IGBT temperature
		Z24.25	Function setting connector

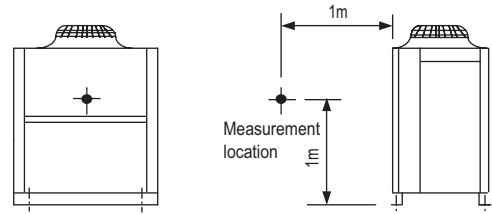
\*7. Difference of appliance

Model name	Appliance
P250/P300	7 do not exist
EP200	7 exist
P350/P400/P450	
EP250/EP300	

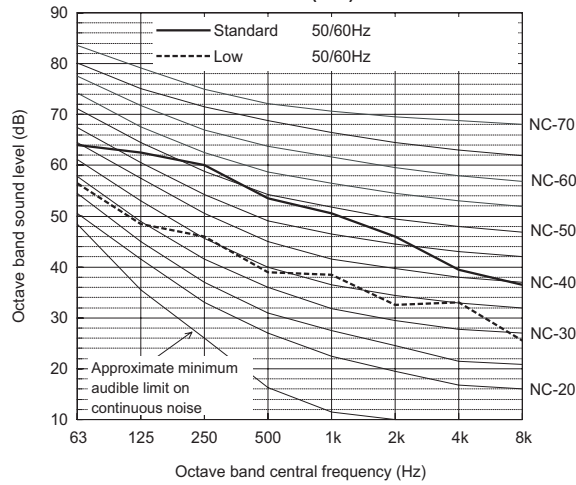
Measurement condition  
PUHY-EP200YHM



Measurement condition  
PUHY-EP250,300YHM



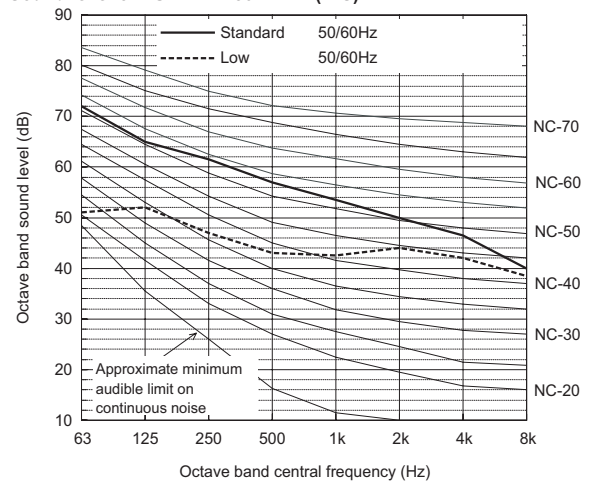
Sound level of PUHY-EP200YHM-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	64.0	62.5	60.0	53.5	50.5	46.0	39.5	36.5	57.0
Low Noise Mode	50/60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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

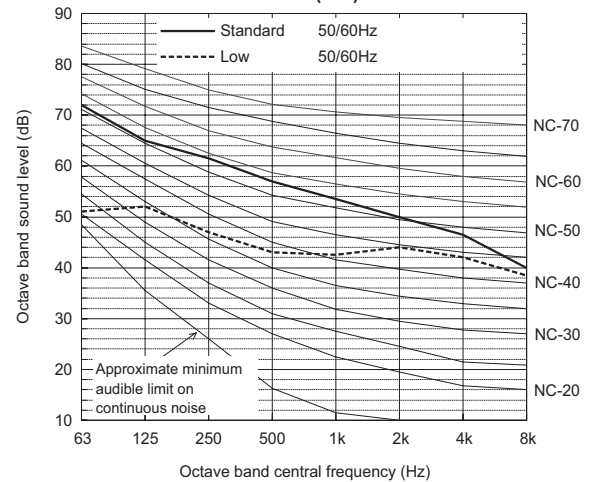
Sound level of PUHY-EP250YHM-A(-BS)



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

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

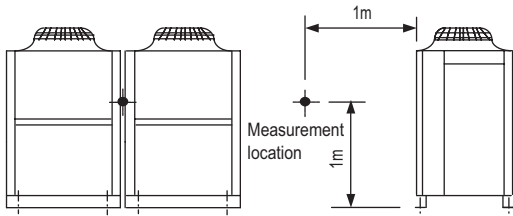
Sound level of PUHY-EP300YHM-A(-BS)



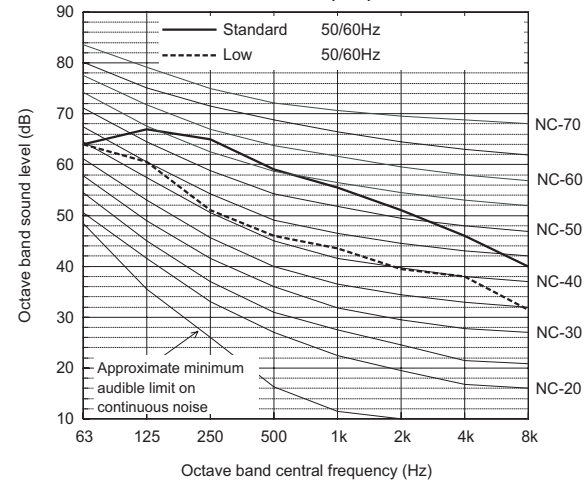
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Low Noise Mode	50/60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

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

**Measurement condition**  
**PUHY-EP400,450,500,550,600,650YSHM**



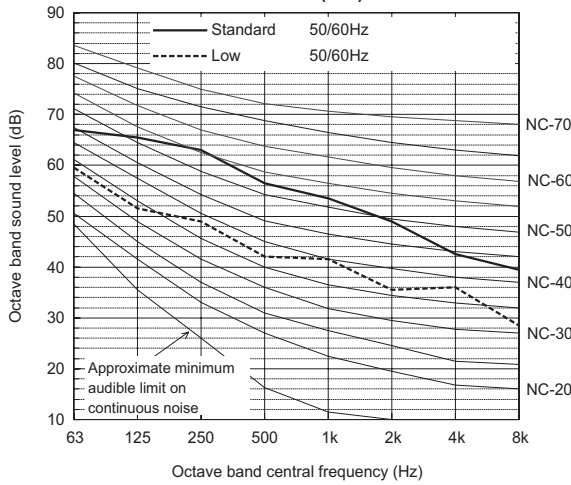
**Sound level of PUHY-EP500YSHM-A(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	64.0	67.0	65.0	59.0	55.5	51.0	46.0	40.0	62.0
Low Noise Mode	50/60Hz	64.0	60.5	51.0	46.0	43.5	39.5	38.0	31.5	51.0

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

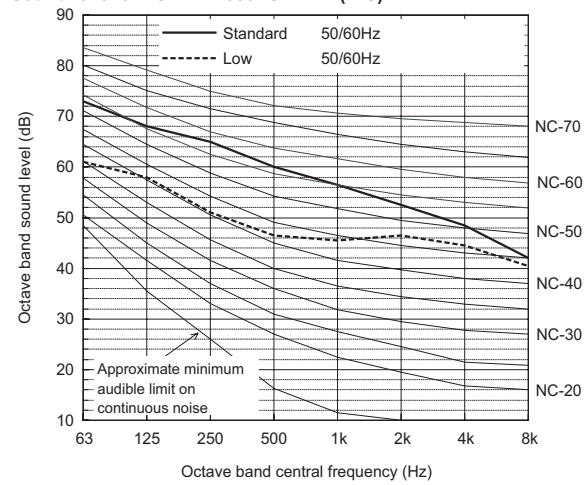
**Sound level of PUHY-EP400YSHM-A(-BS)**



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

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

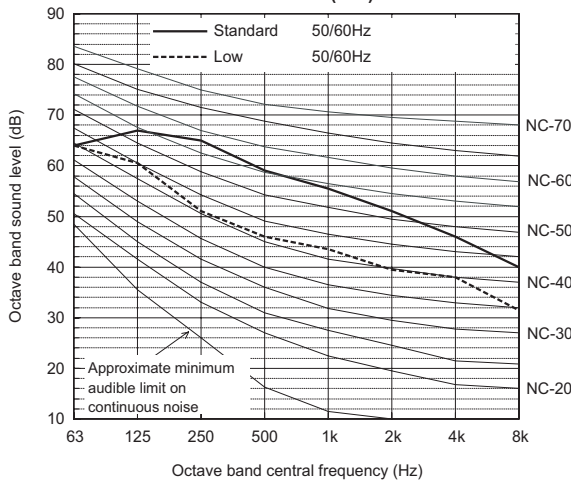
**Sound level of PUHY-EP550YSHM-A1(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	68.0	65.0	60.0	56.5	52.5	48.5	42.0	63.0
Low Noise Mode	50/60Hz	61.0	58.0	51.0	46.5	45.5	46.5	44.5	40.5	53.0

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

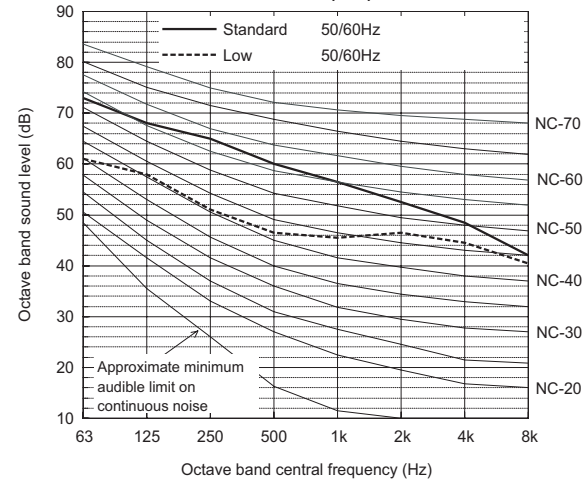
**Sound level of PUHY-EP450YSHM-A1(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	64.0	67.0	65.0	59.0	55.5	51.0	46.0	40.0	62.0
Low Noise Mode	50/60Hz	64.0	60.5	51.0	46.0	43.5	39.5	38.0	31.5	51.0

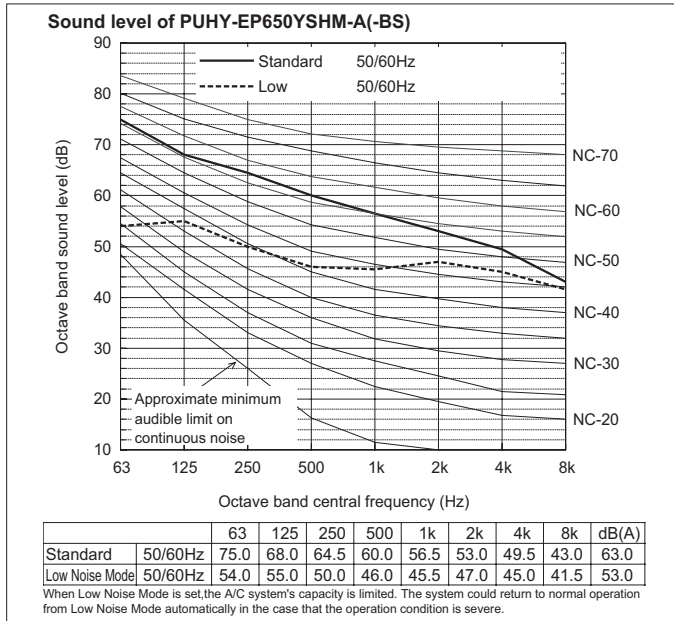
When Low Noise Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low Noise Mode automatically in the case that the operation condition is severe.

**Sound level of PUHY-EP600YSHM-A(-BS)**



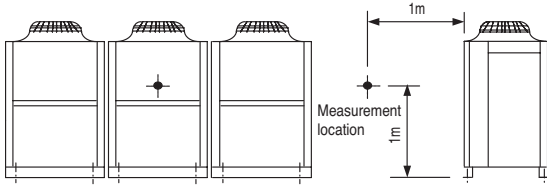
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	68.0	65.0	60.0	56.5	52.5	48.5	42.0	63.0
Low Noise Mode	50/60Hz	61.0	58.0	51.0	46.5	45.5	46.5	44.5	40.5	53.0

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

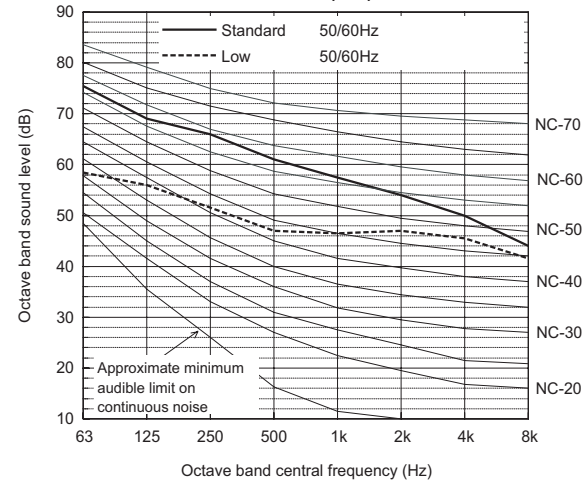


Y(HIGH COP)

**Measurement condition**  
PUHY-EP700,750,800,850,900YSHM



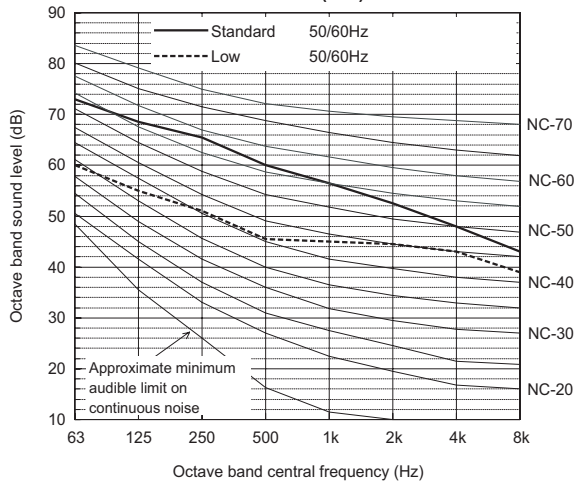
**Sound level of PUHY-EP800YSHM-A(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	69.0	66.0	61.0	57.5	54.0	50.0	44.0	64.0
Low Noise Mode	50/60Hz	58.5	56.0	51.5	47.0	46.5	47.0	45.5	41.5	53.5

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

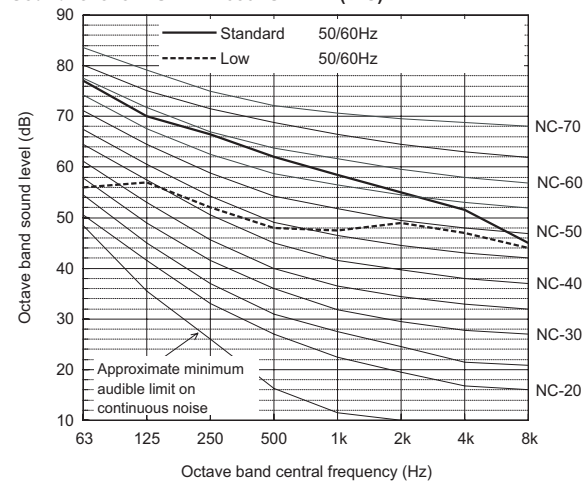
**Sound level of PUHY-EP700YSHM-A(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	68.5	65.5	60.0	56.5	52.5	48.0	43.0	63.0
Low Noise Mode	50/60Hz	60.0	55.0	51.0	45.5	45.0	44.5	43.0	39.0	52.0

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

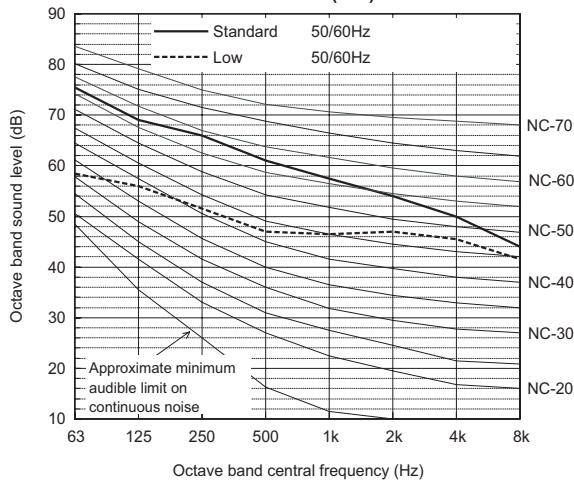
**Sound level of PUHY-EP850YSHM-A1(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	70.0	66.5	62.0	58.5	55.0	51.5	45.0	65.0
Low Noise Mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	44.0	55.0

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

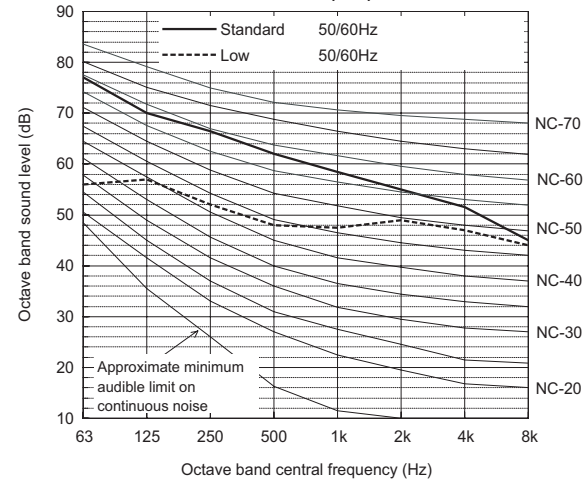
**Sound level of PUHY-EP750YSHM-A1(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.5	69.0	66.0	61.0	57.5	54.0	50.0	44.0	64.0
Low Noise Mode	50/60Hz	58.5	56.0	51.5	47.0	46.5	47.0	45.5	41.5	53.5

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

**Sound level of PUHY-EP900YSHM-A(-BS)**



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	70.0	66.5	62.0	58.5	55.0	51.5	45.0	65.0
Low Noise Mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	44.0	55.0

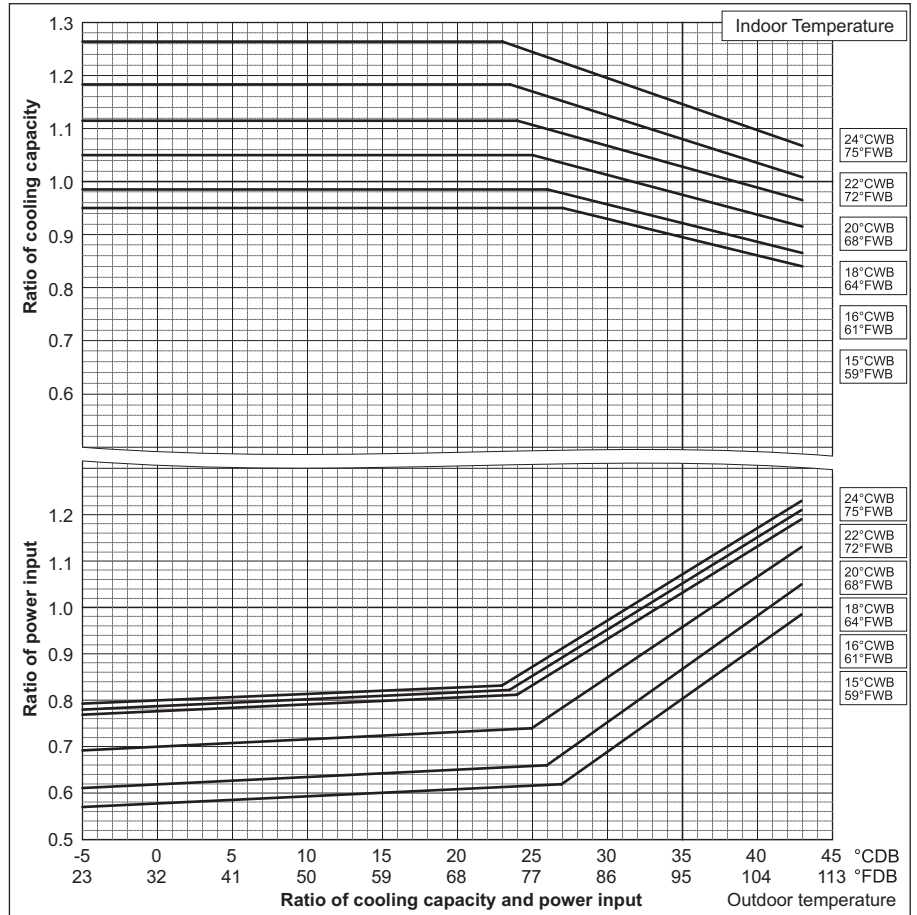
When Low Noise Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low Noise Mode automatically in the case that the operation condition is severe.



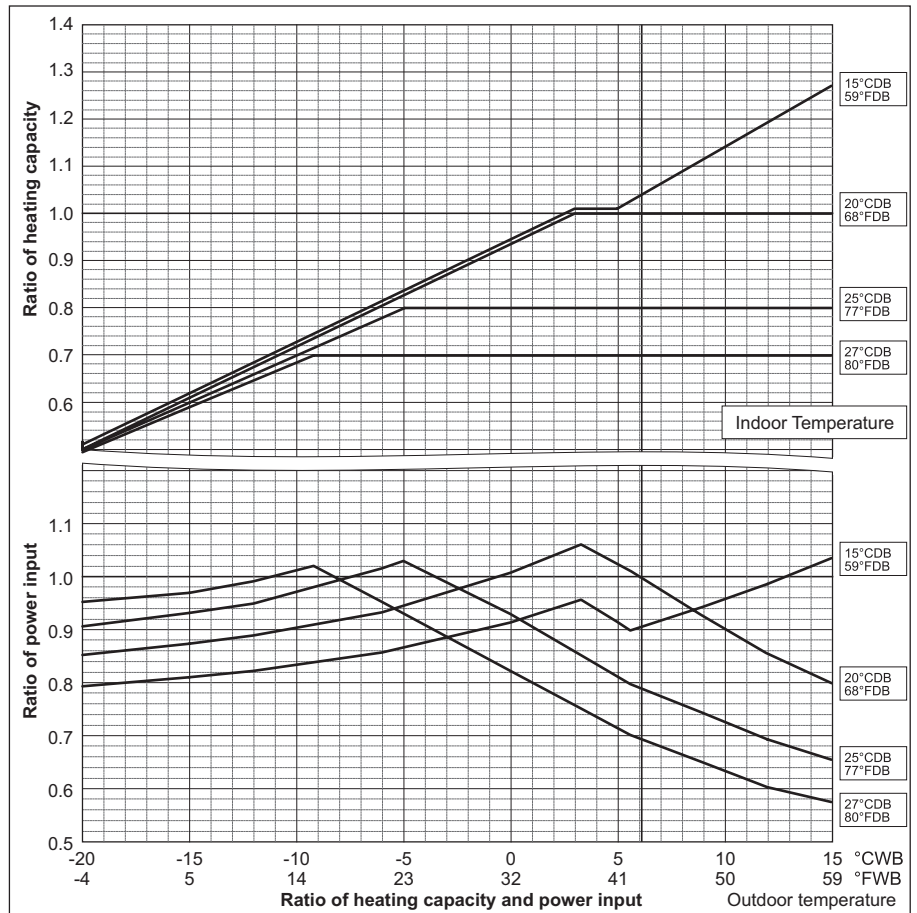
6-1. Correction by temperature

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-	EP200YHM-A	EP250YHM-A
Nominal Cooling Capacity	kW 22.4	28.0
	BTU/h 76,400	95,500
Input	kW 5.18	6.82



PUHY-	EP200YHM-A	EP250YHM-A
Nominal Heating Capacity	kW 25.0	31.5
	BTU/h 85,300	107,500
Input	kW 5.77	7.59

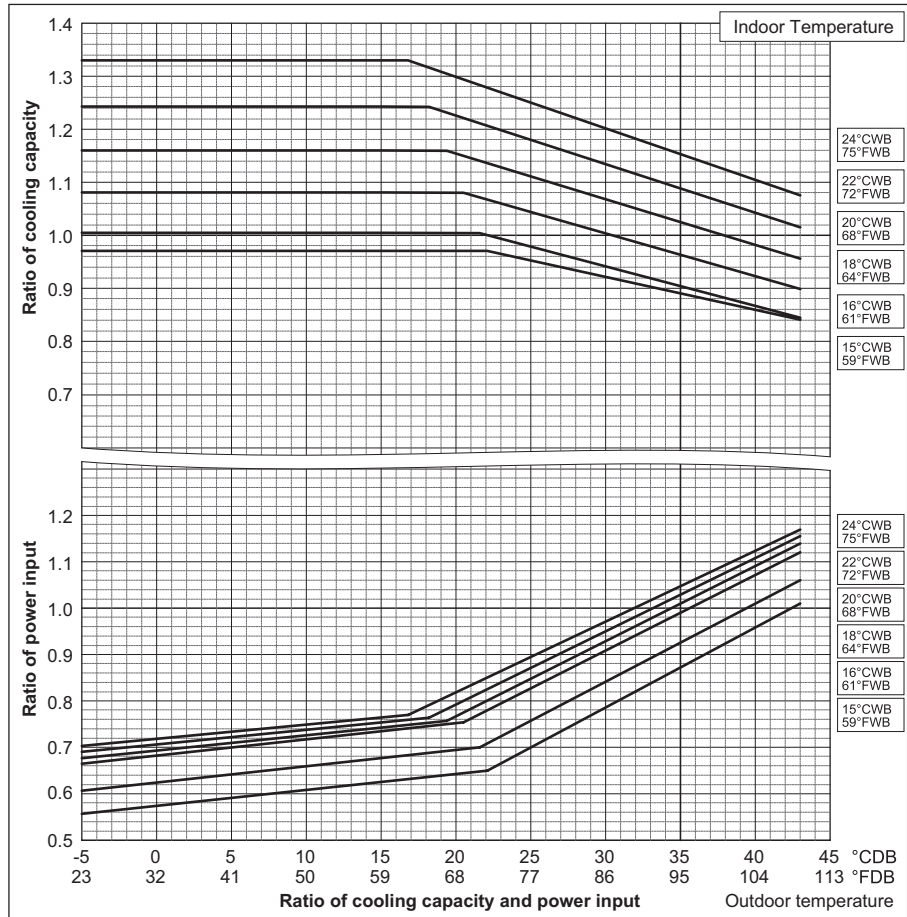


Ref:PUHY\_YHM-A\_CbTMP\_EUDB\_EP200-EP250

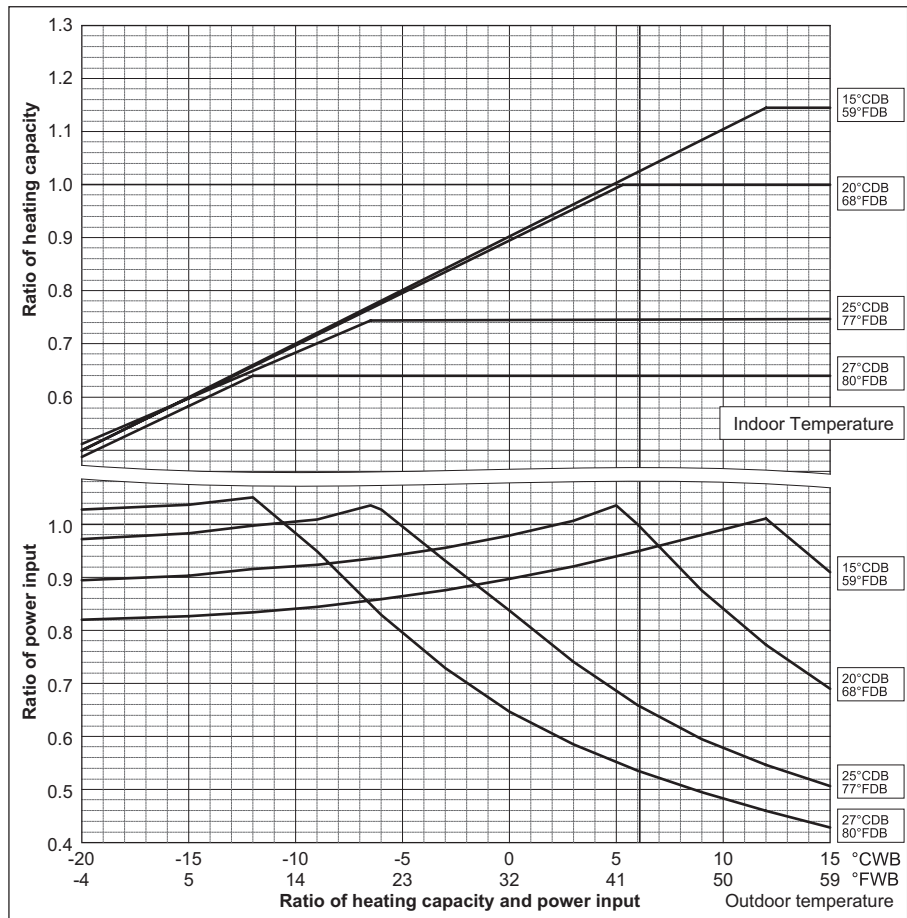
# 6. CAPACITY TABLES

DATA G6

PUHY-		EP300YHM-A	EP400YSHM-A
Nominal Cooling Capacity	kW	33.5	45.0
	BTU/h	114,300	153,500
Input	kW	8.25	10.41



PUHY-		EP300YHM-A	EP400YSHM-A
Nominal Heating Capacity	kW	37.5	50.0
	BTU/h	128,000	170,600
Input	kW	9.28	11.54



Ref:PUHY\_YHM-A\_CbTMP\_EUDB\_EP300-P400

Y(HIGH COP)

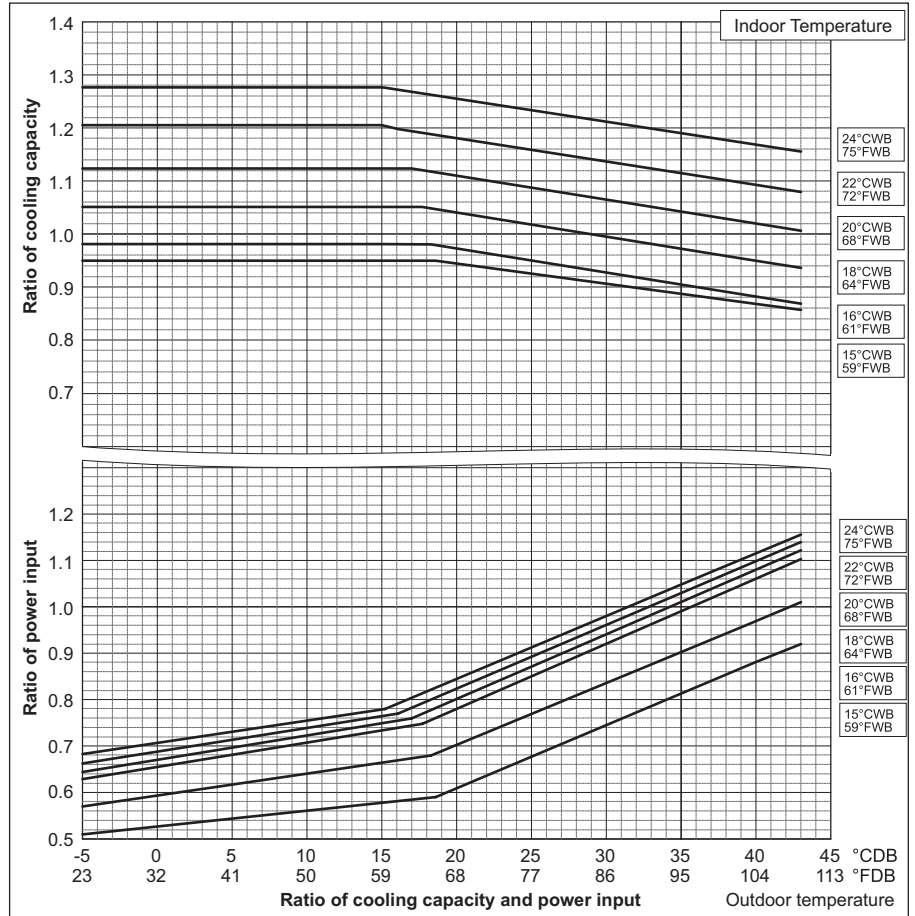


# 6. CAPACITY TABLES

PUHY-		EP450YSHM-A1	EP500YSHM-A
Nominal Cooling Capacity	kW	50.0	56.0
	BTU/h	170,600	191,100
Input	kW	11.87	13.46

PUHY-		EP550YSHM-A1	EP600YSHM-A
Nominal Cooling Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	15.44	16.99

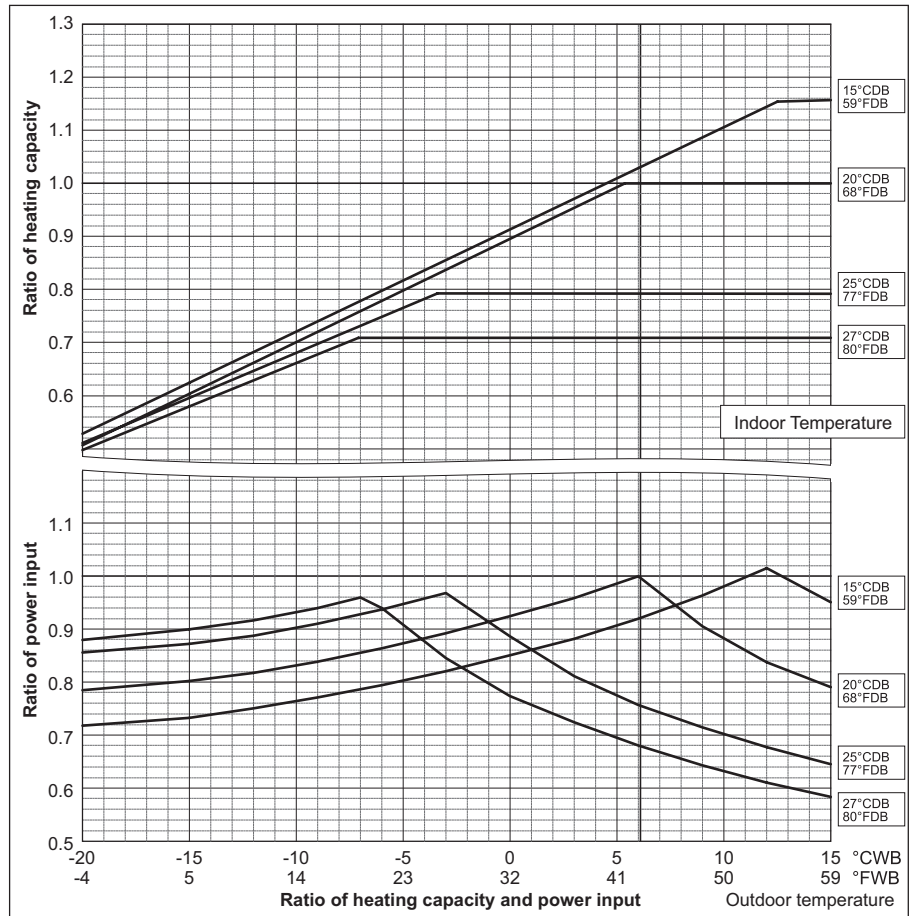
PUHY-		EP650YSHM-A
Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	18.34



PUHY-		EP450YSHM-A1	EP500YSHM-A
Nominal Heating Capacity	kW	56.0	63.0
	BTU/h	191,100	215,000
Input	kW	13.05	15.14

PUHY-		EP550YSHM-A1	EP600YSHM-A
Nominal Heating Capacity	kW	69.0	76.5
	BTU/h	235,400	261,000
Input	kW	16.82	18.93

PUHY-		EP650YSHM-A
Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	19.13



Ref:PUHY\_YHM-A\_CbTMP\_EUDB\_EP450-EP650

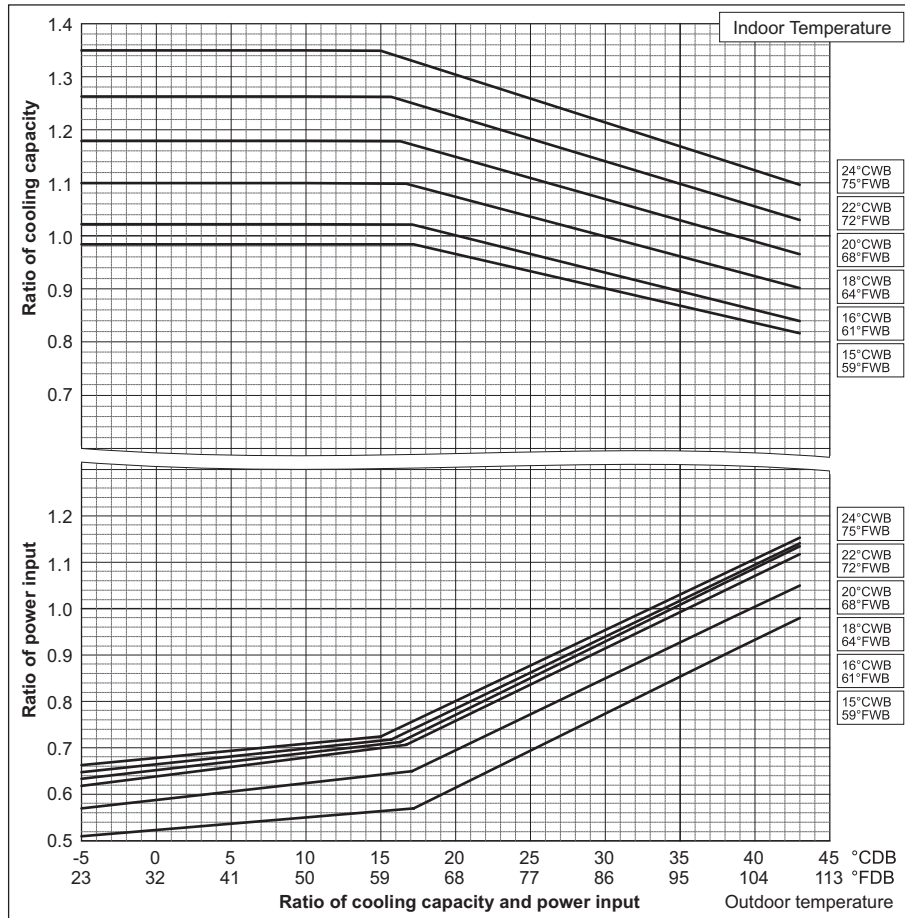
HIGH COP

# 6. CAPACITY TABLES

DATA G6

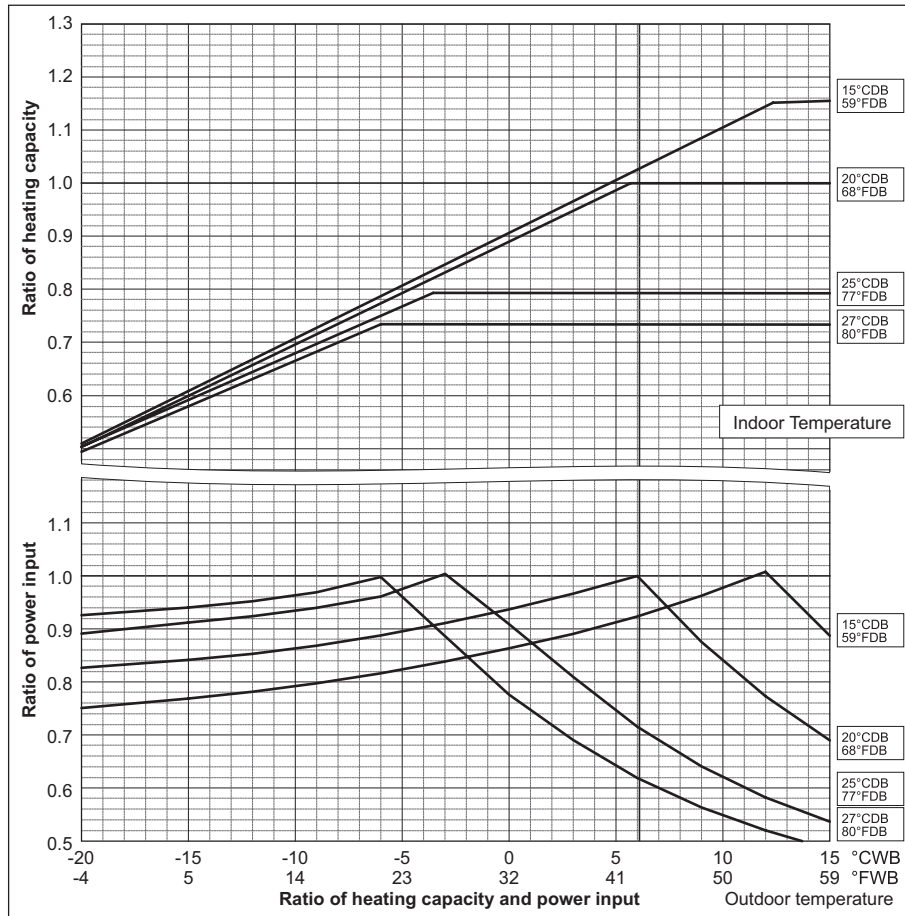
PUHY-		EP700YSHM-A	EP750YSHM-A1
Nominal Cooling Capacity	kW	80.0	85.0
	BTU/h	273,000	290,000
Input	kW	20.99	20.43

PUHY-		EP800YSHM-A
Nominal Cooling Capacity	kW	90.0
	BTU/h	307,100
Input	kW	22.00



PUHY-		EP700YSHM-A	EP750YSHM-A1
Nominal Heating Capacity	kW	88.0	95.0
	BTU/h	300,300	324,100
Input	kW	20.00	22.19

PUHY-		EP800YSHM-A
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	23.41



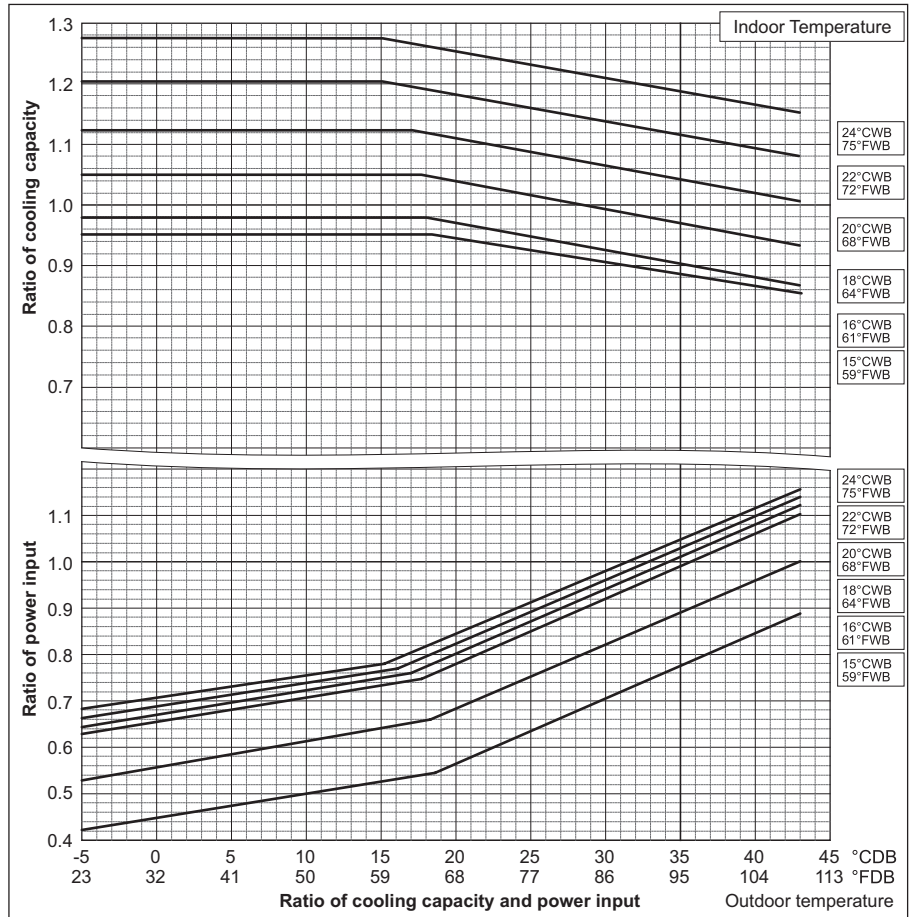
Ref:PUHY\_YHM-A\_C6TMP\_EUDB\_EP700-EP800

Y(HIGH COP)

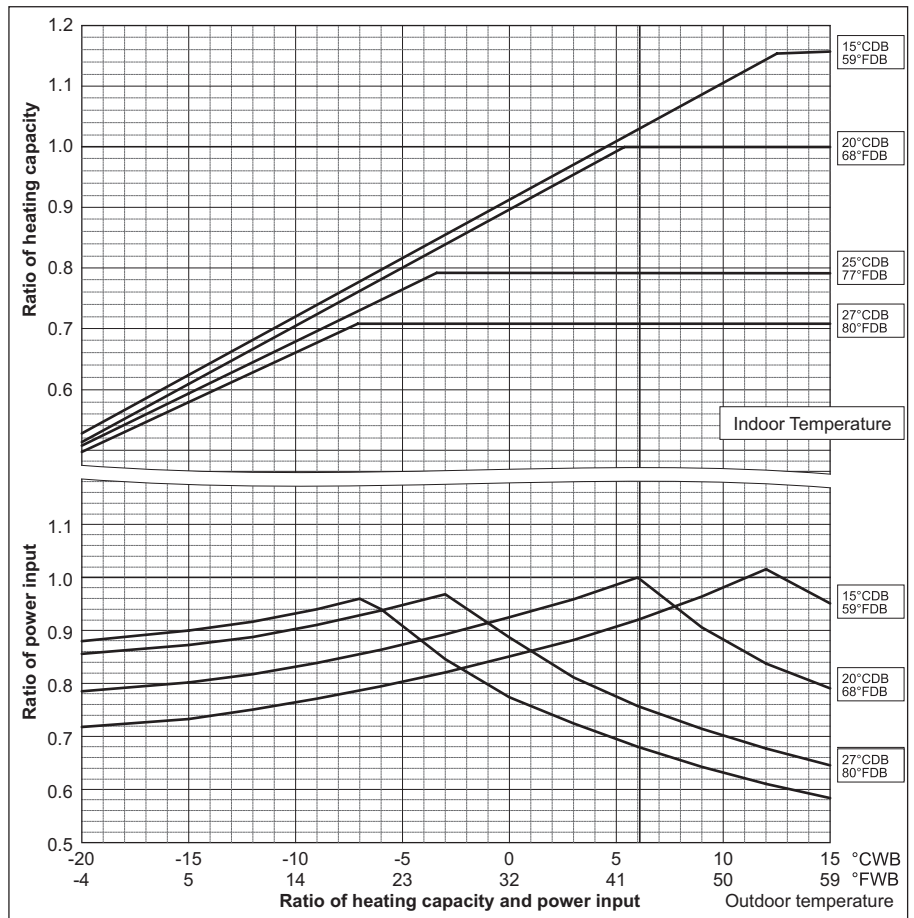
# 6. CAPACITY TABLES

DATA G6

PUHY-		EP850YSHM-A1	EP900YSHM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	23.58	24.87



PUHY-		EP850YSHM-A1	EP900YSHM-A
Nominal Heating Capacity	kW	108.0	113.0
	BTU/h	368,500	385,600
Input	kW	25.59	27.90



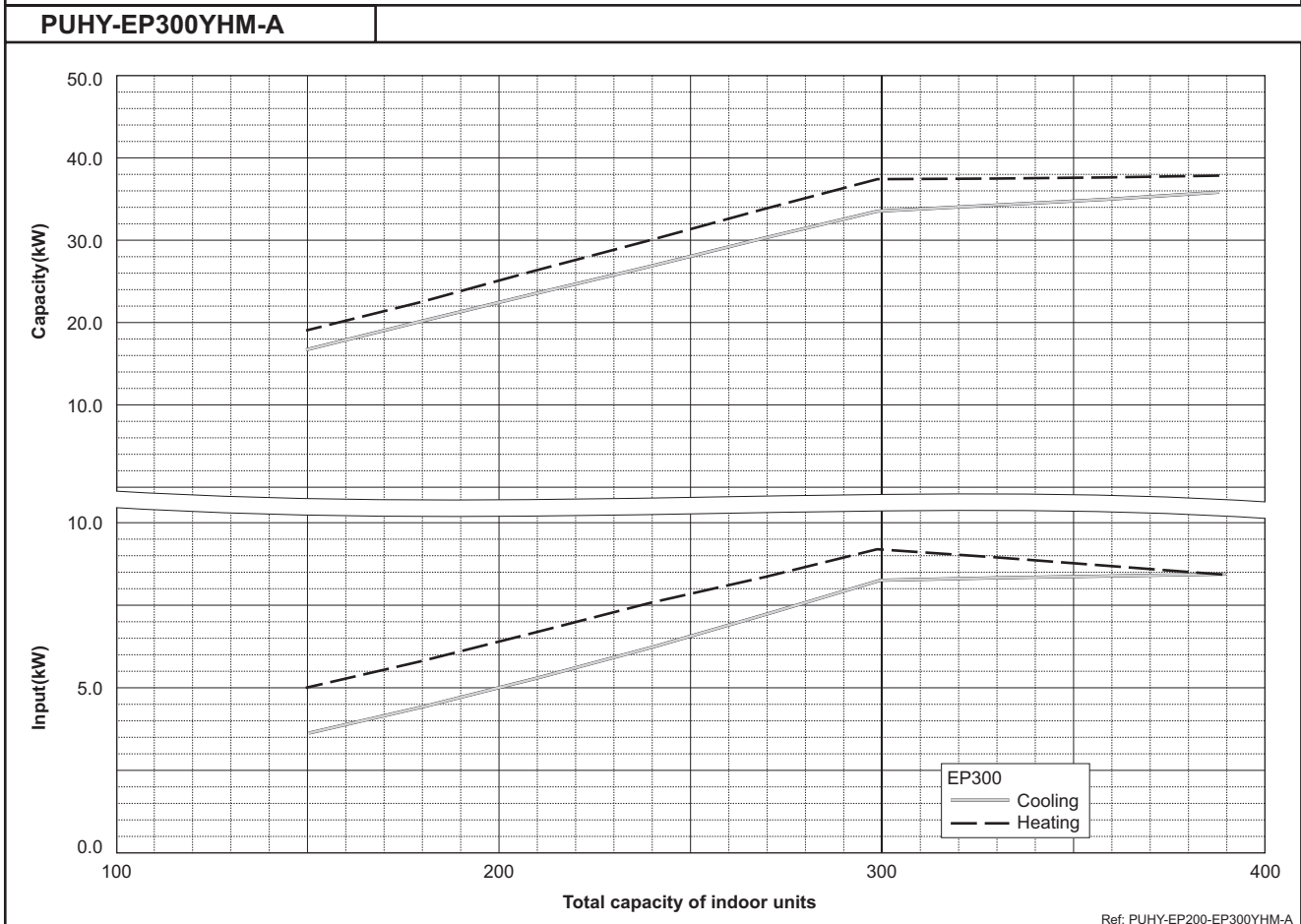
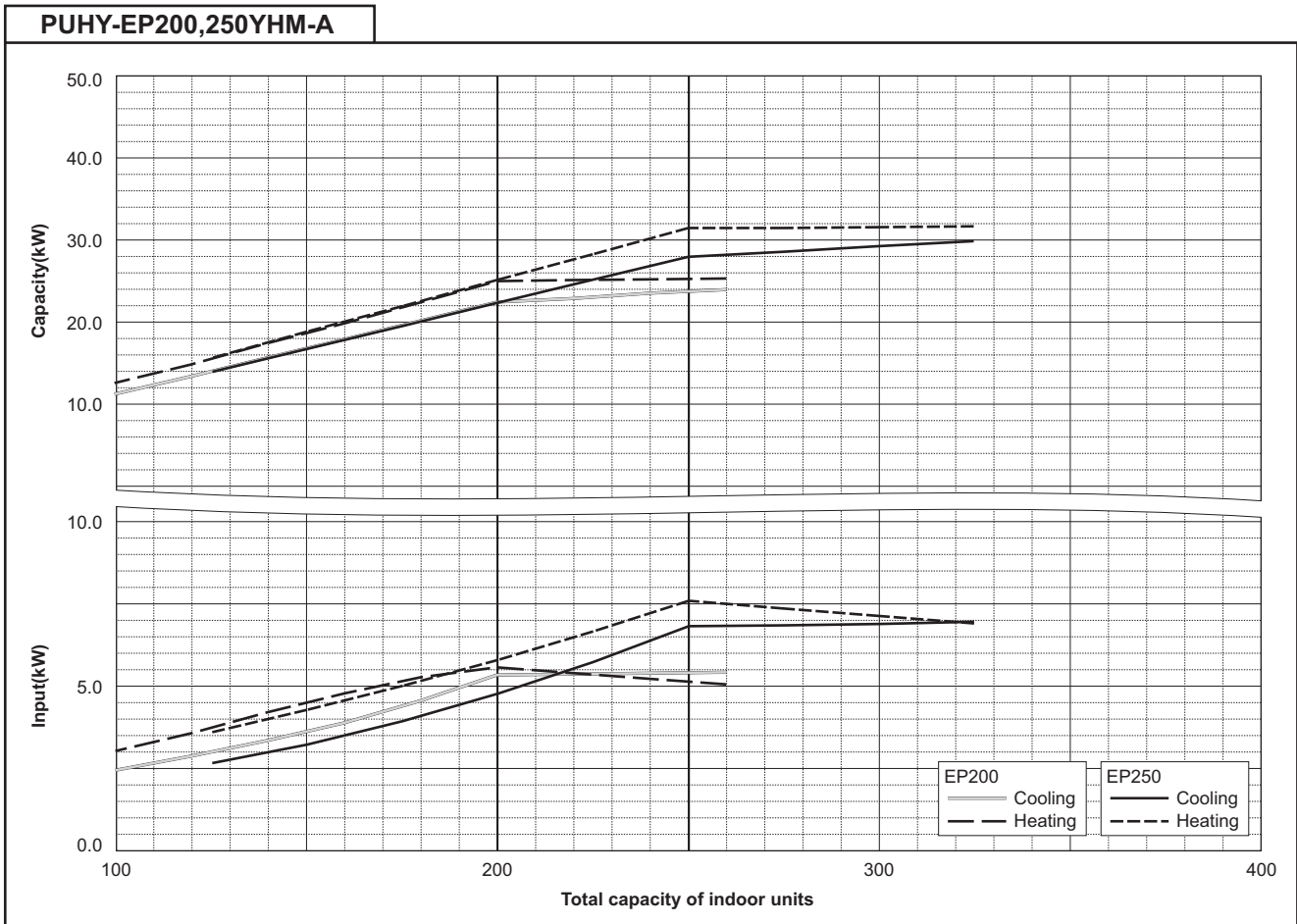
Ref:PUHY\_YHM-A\_CbTMP\_EUDB\_EP850-EP900

Y(HIGH COP)

## 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.

Y(HIGH COP)



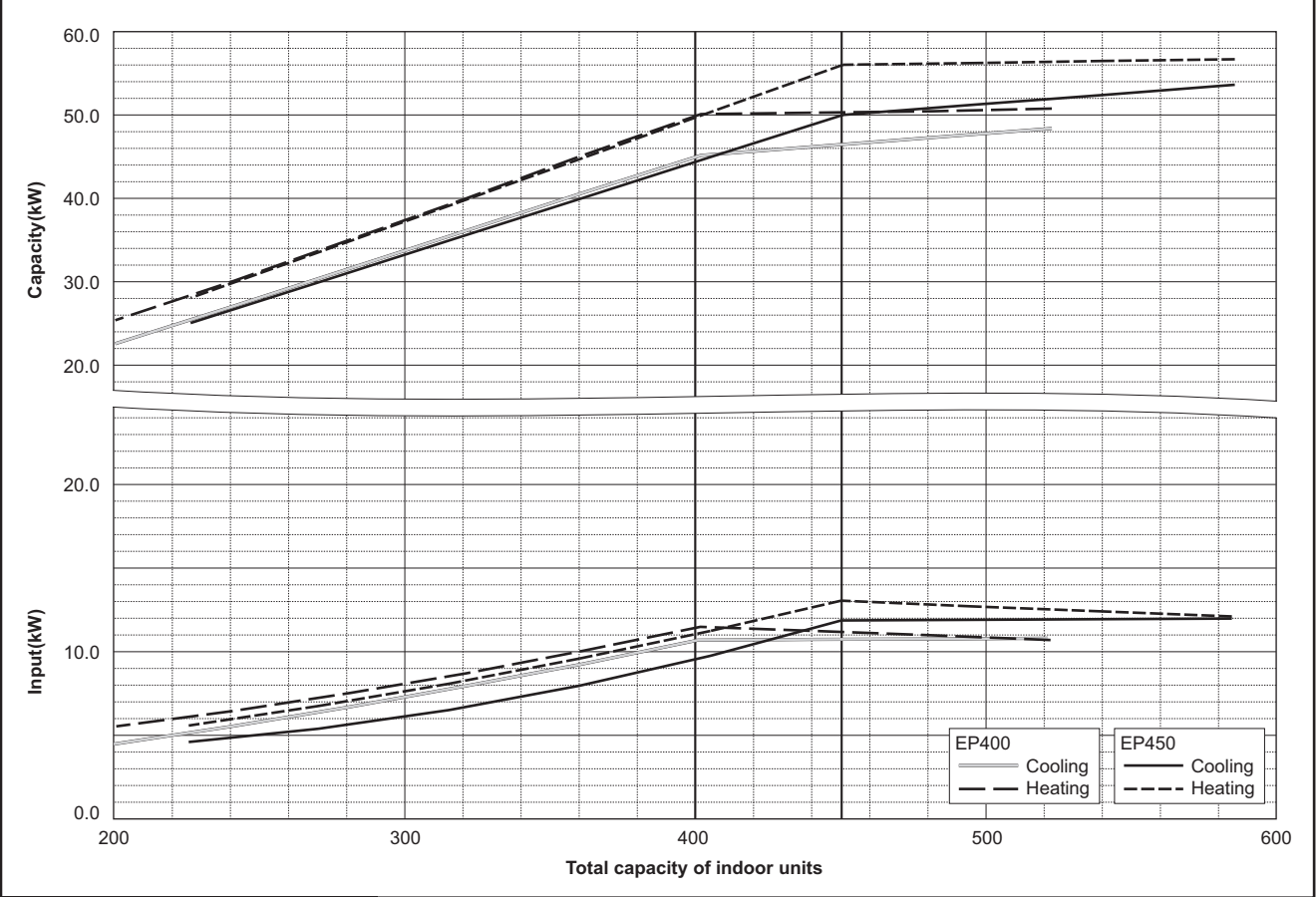
Ref: PUHY-EP200-EP300YHM-A

# 6. CAPACITY TABLES

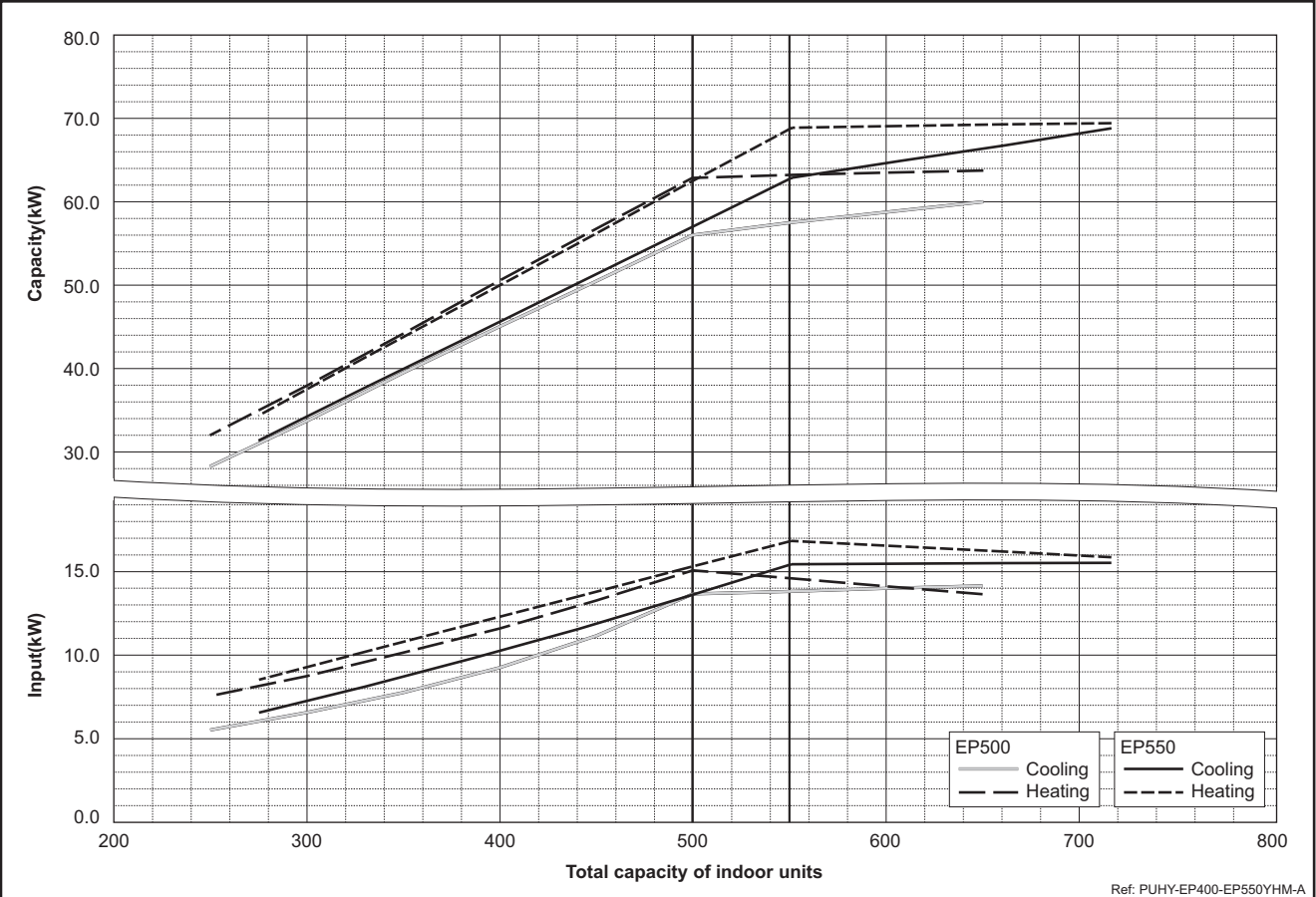
DATA G6

Y(HIGH COP)

**PUHY-EP400,450YSHM-A(1)**



**PUHY-EP500,550YSHM-A(1)**

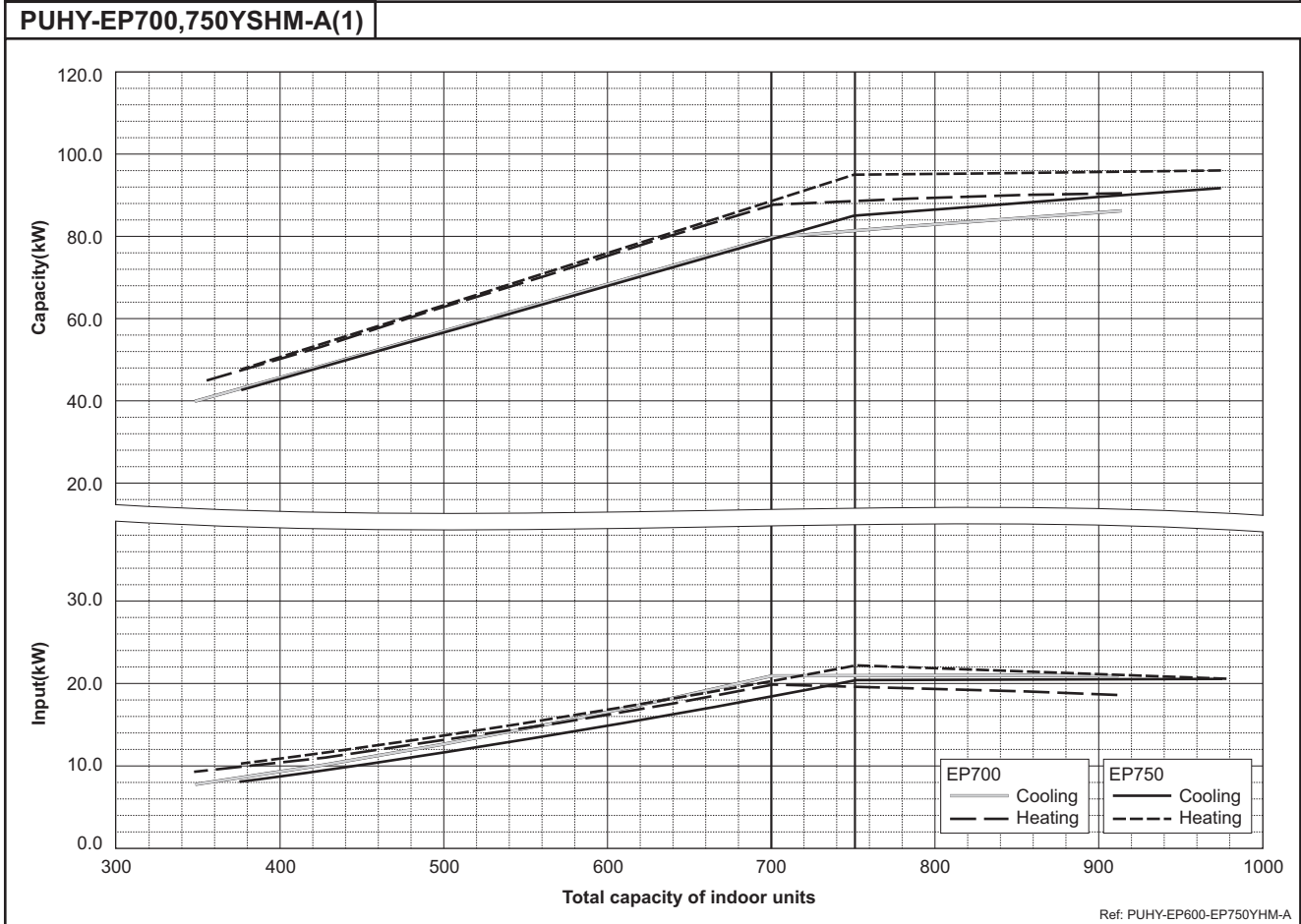
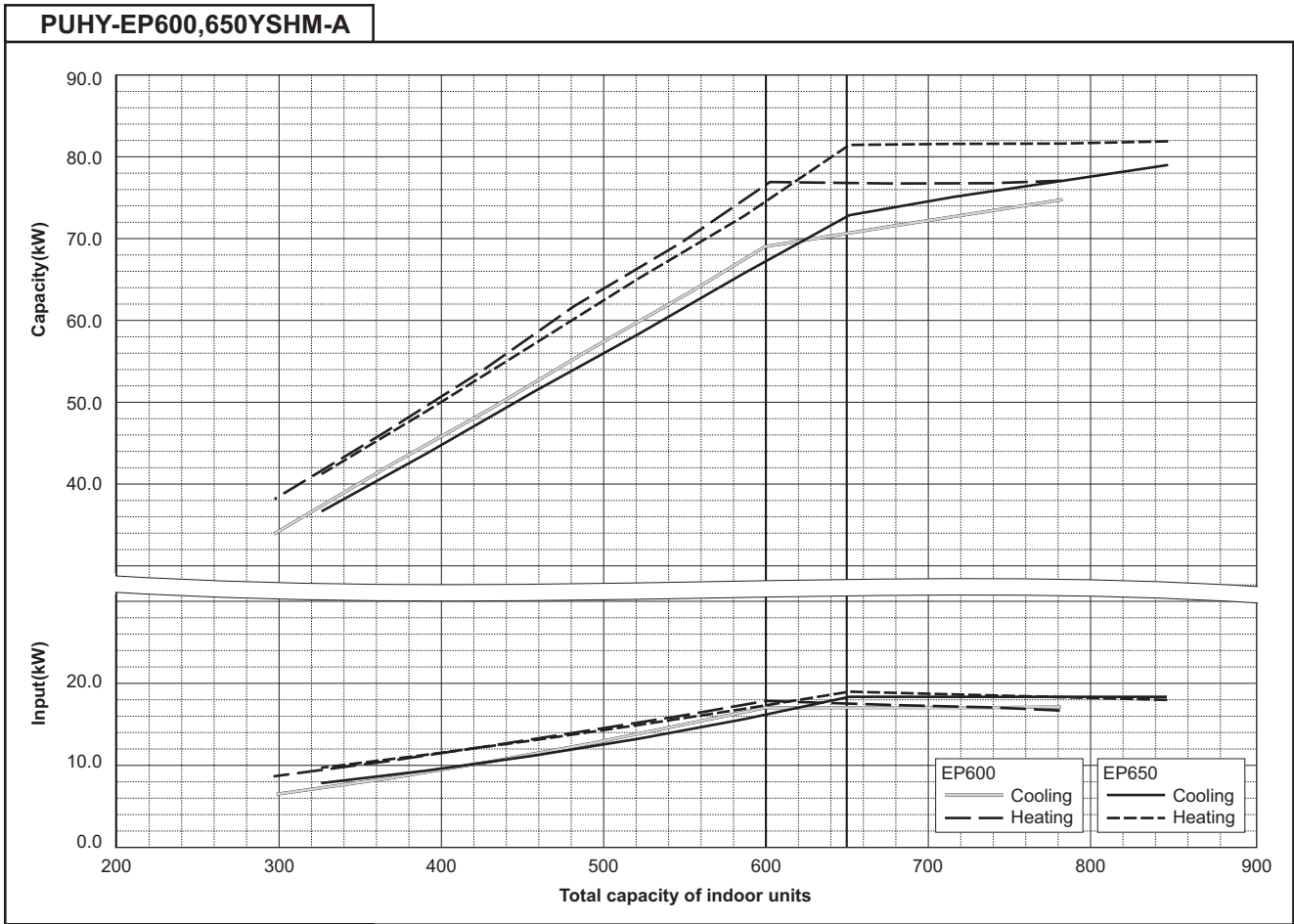


Ref: PUHY-EP400-EP550YHM-A



# 6. CAPACITY TABLES

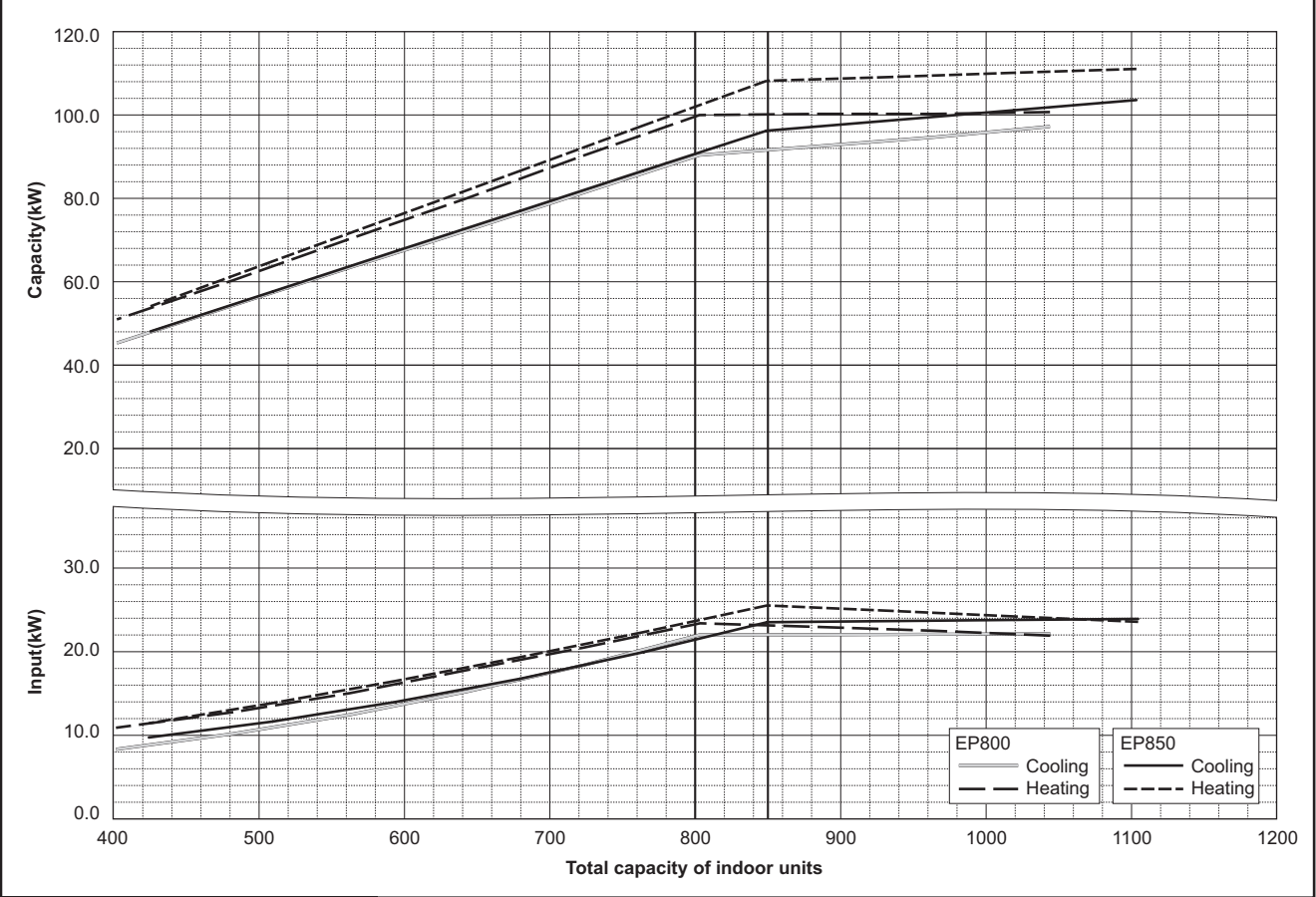
Y(HIGH COP)



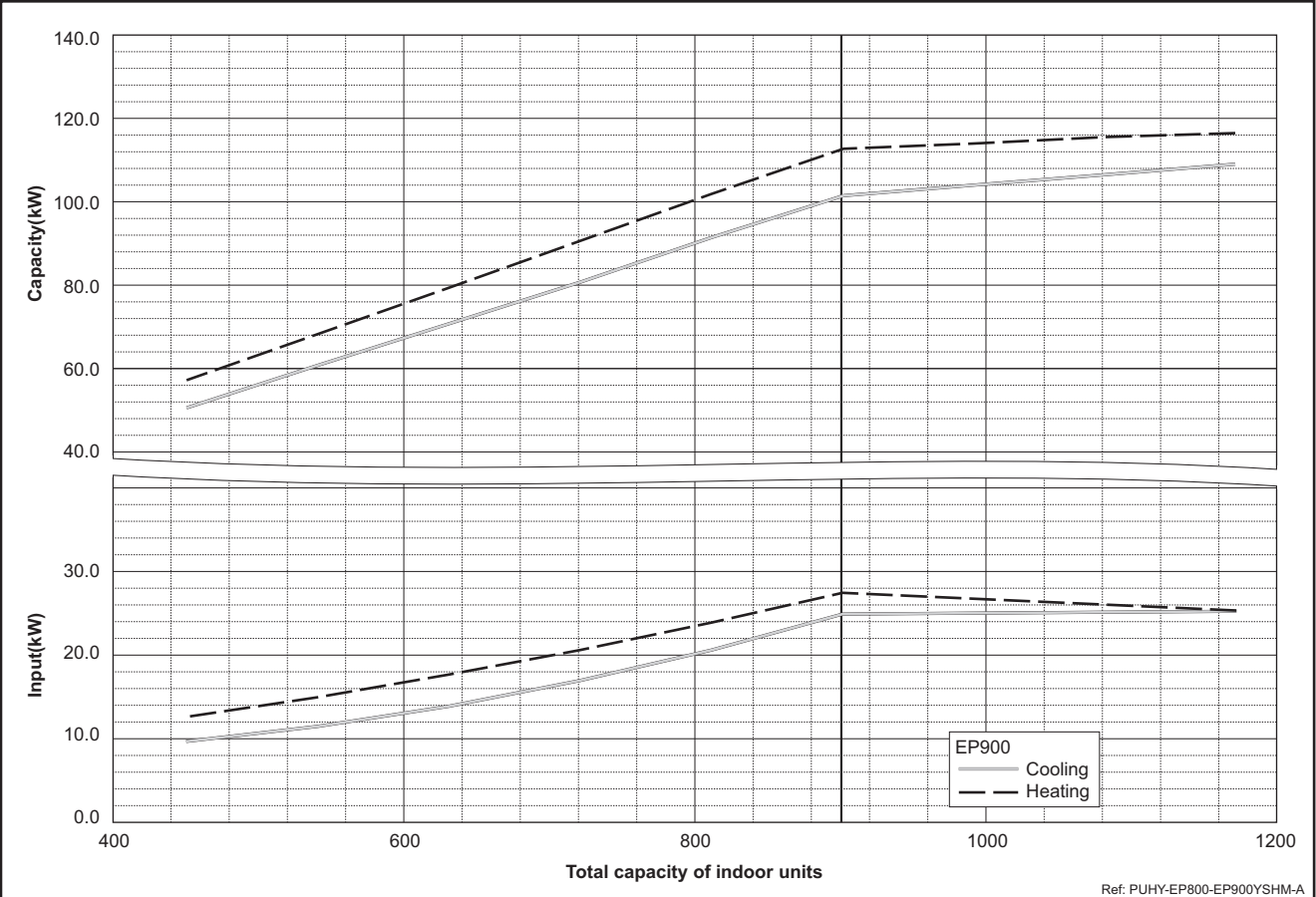
Ref: PUHY-EP600-EP750YHM-A

Y(HIGH COP)

**PUHY-EP800,850YSHM-A(1)**



**PUHY-EP900YSHM-A**



Ref: PUHY-EP800-EP900YSHM-A

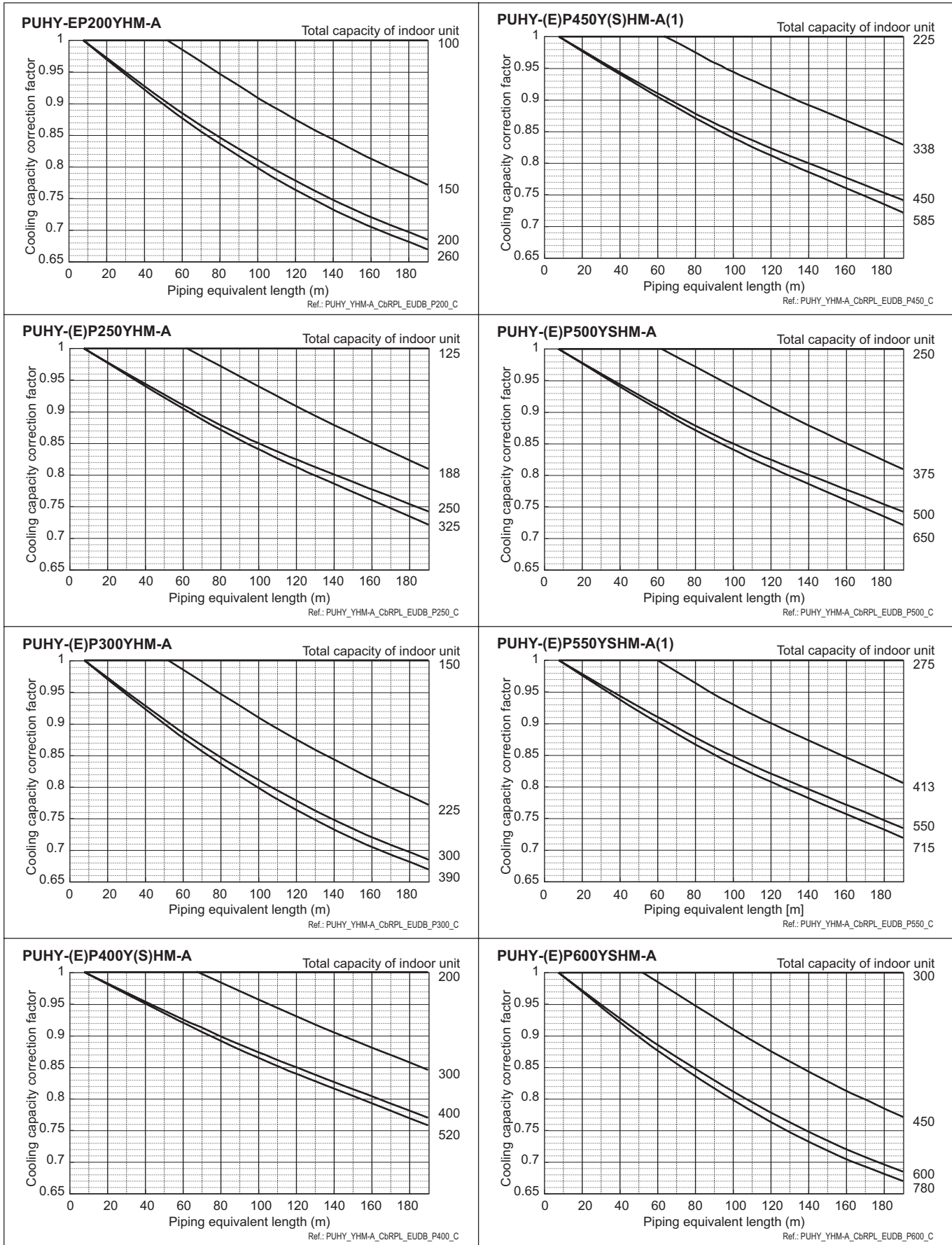


6-3. Correction by refrigerant piping length

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

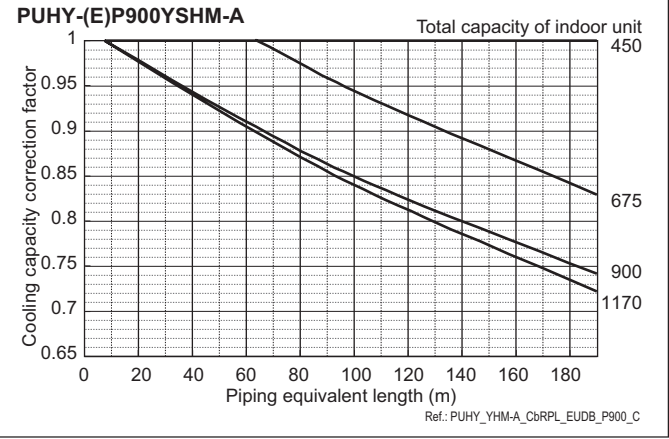
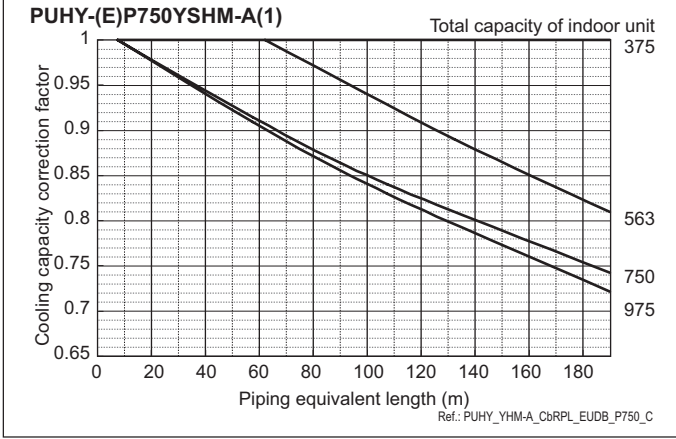
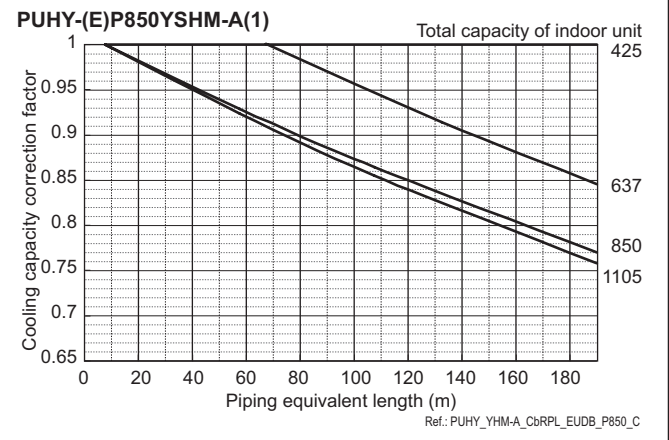
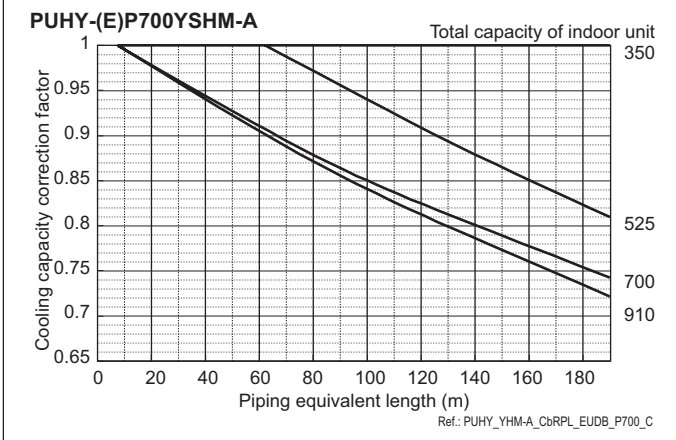
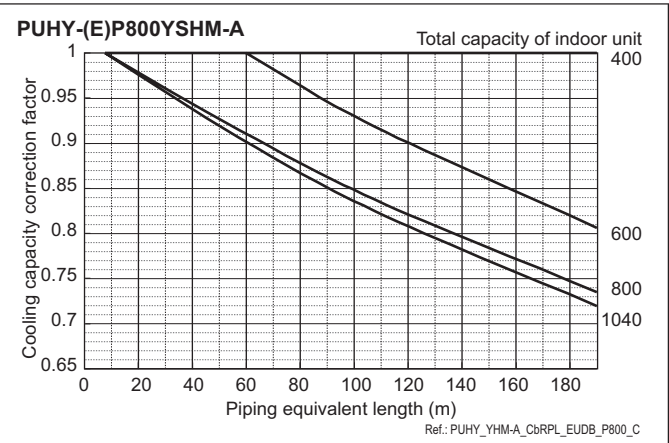
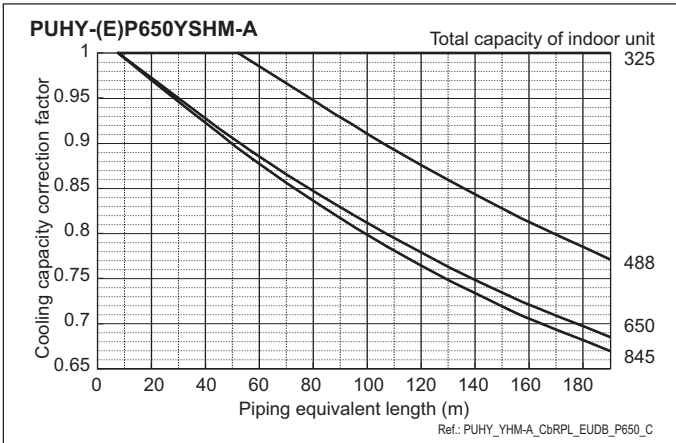
6-3-1. Cooling capacity correction

Y(HIGH COP)



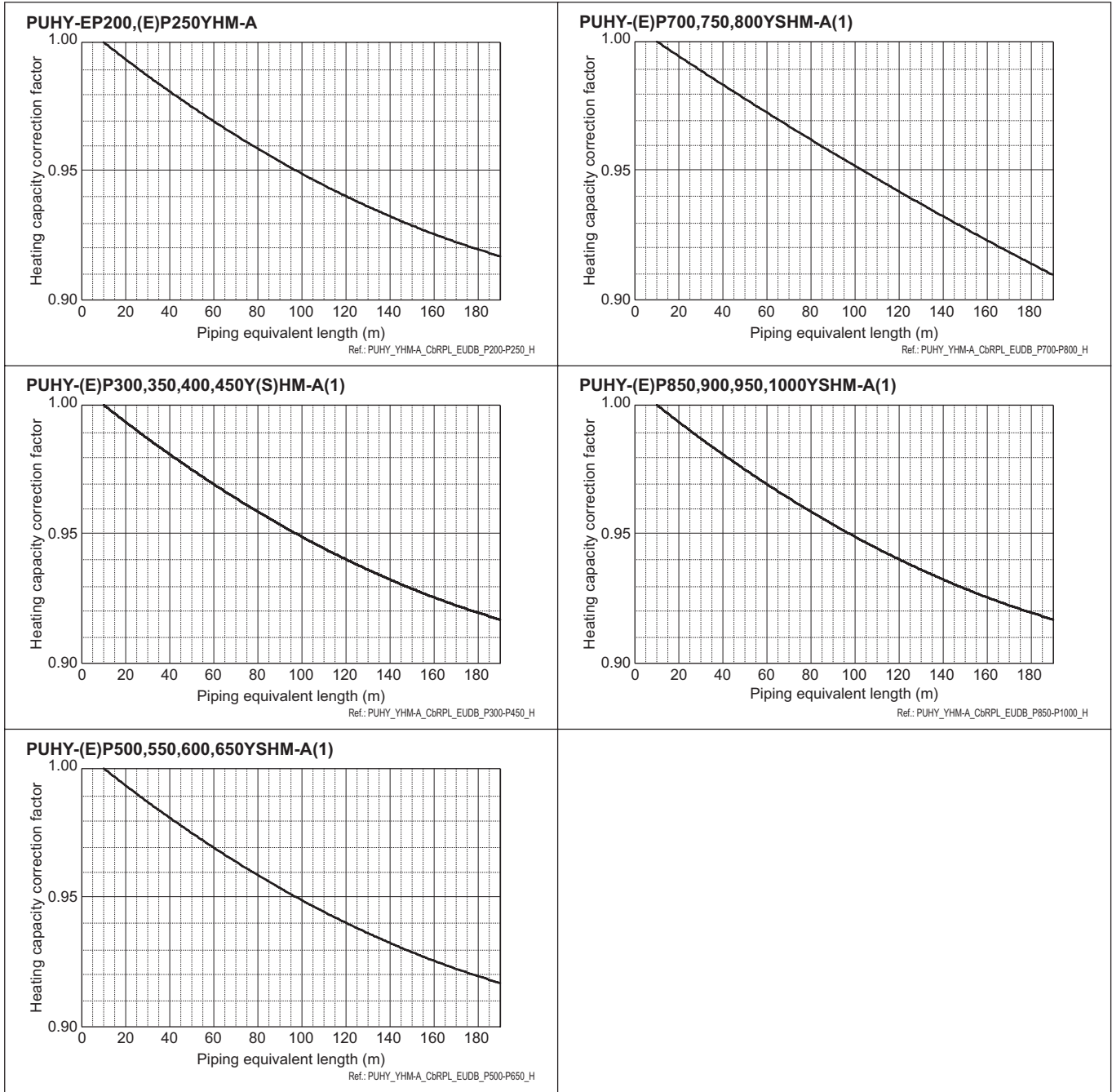
# 6. CAPACITY TABLES

Y(HIGH COP)



6-3-2. Heating capacity correction

Y(HIGH COP)



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

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

Ref: PUHY\_YHM-A\_EqPLTH\_EUDB\_ALL

## 6-4. Correction at frost and defrost

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

Table of correction factor at frost and defrost

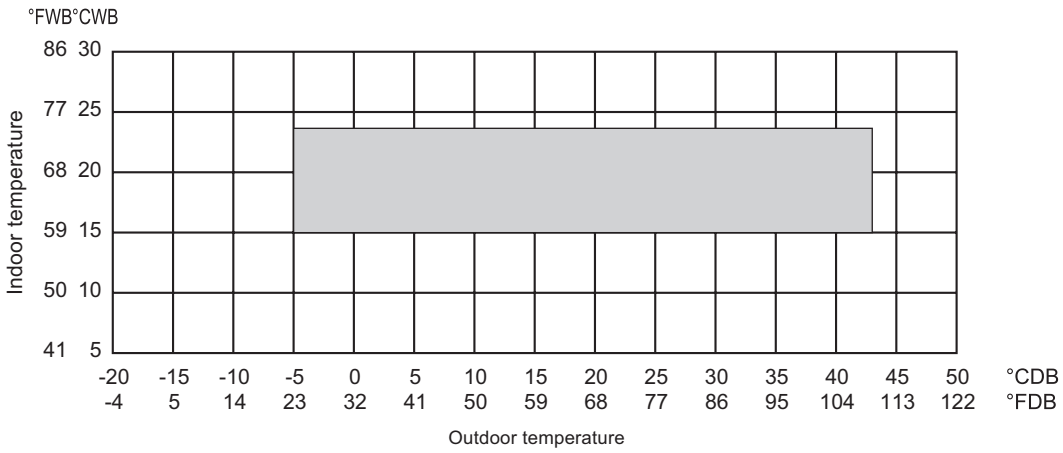
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PUHY-EP200YHM	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P250YHM	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-(E)P300YHM	1.00	0.93	0.82	0.80	0.82	0.86	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

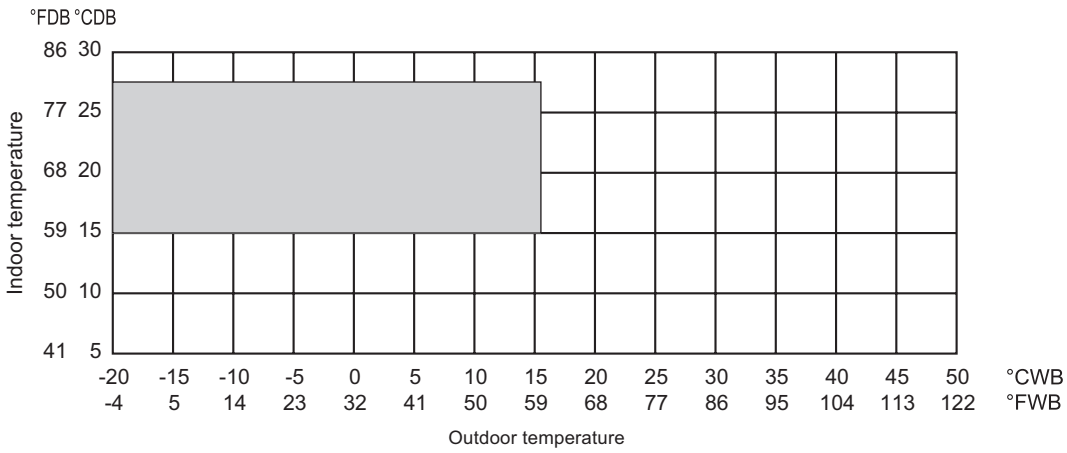
Y(HIGH COP)

6-5. Operation temperature range

• Cooling



• Heating



Ref.: PUHY\_YHM-A\_TMPRNG\_EUDB\_ALL

Y(HIGH COP)

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)>

ID: Inner Diameter OD: Outer Diameter

<Deformed pipe(Accessory)>

**CMY-Y102L-G2** Ref.: CMY\_Y102L\_G2\_EXD\_EUDB\_SI  
mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

<Deformed pipe(Accessory)>

**CMY-Y202-G2** Ref.: CMY\_Y202\_G2\_EXD\_EUDB\_SI  
mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

<Deformed pipe(Accessory)>

**CMY-Y302-G2** Ref.: CMY\_Y302\_G2\_EXD\_EUDB\_SI  
mm

For Gas pipe: For Liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

<Deformed pipe(Accessory)>

Y(HIGH COP)



## 7-2. HEADER

Piping for CITY MULTI can be easily done with Joints and Headers provided by MITSUBISHI ELECTRIC CORP..

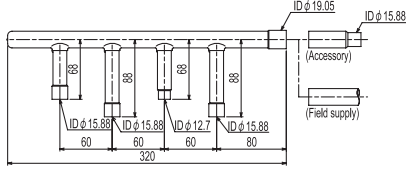
There are 3 sets of Headers selectable for piping. Details for applying the Header sets are referable to System Design 3, or their own Installation Manual.

Y(HIGH COP)

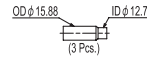
### CMY-Y104-G

Ref.: CMY\_Y104-G\_EXD\_EUDB\_SI mm

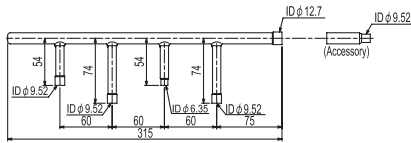
For Gas pipe:



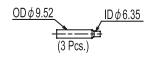
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>



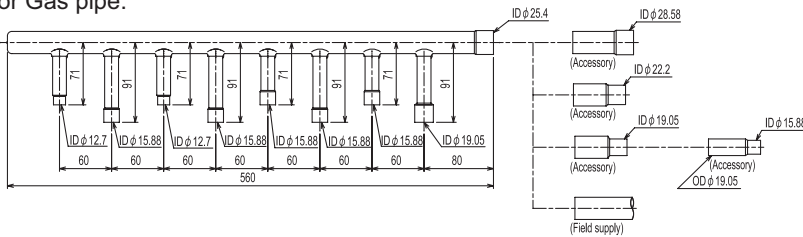
ID: Inner Diameter OD: Outer Diameter

NOTE: Besides above mentioned accessories, caps for pipe of  $\phi 6.35$ ,  $\phi 9.52$ ,  $\phi 12.7$ ,  $\phi 15.88$  (each diameter 1 piece) are included in the Header set.

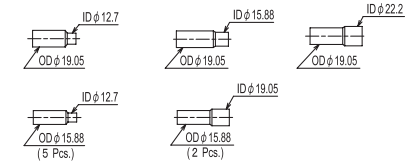
### CMY-Y108-G

Ref.: CMY\_Y108-G\_EXD\_EUDB\_SI mm

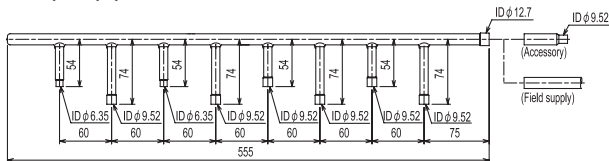
For Gas pipe:



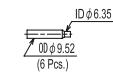
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>



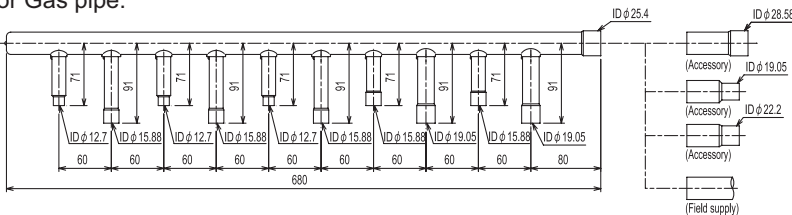
ID: Inner Diameter OD: Outer Diameter

NOTE: Besides above mentioned accessories, caps for pipe of  $\phi 6.35$ ,  $\phi 9.52$ ,  $\phi 12.7$ ,  $\phi 15.88$  (each diameter 2 pieces) and 1 cap for pipe of  $\phi 19.05$  are included in the Header set.

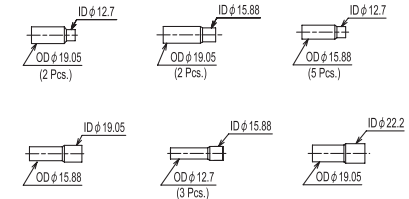
### CMY-Y1010-G

Ref.: CMY\_Y1010-G\_EXD\_EUDB\_SI mm

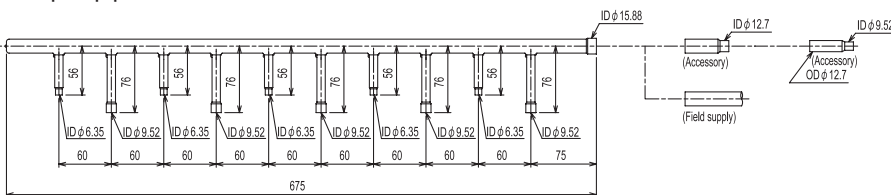
For Gas pipe:



<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>



ID: Inner Diameter OD: Outer Diameter

NOTE: Besides above mentioned accessories, caps for pipe of  $\phi 6.35$ ,  $\phi 9.52$ ,  $\phi 12.7$ ,  $\phi 15.88$  (each diameter 2 pieces) and 1 cap for pipe of  $\phi 19.05$  are included in the Header set.



