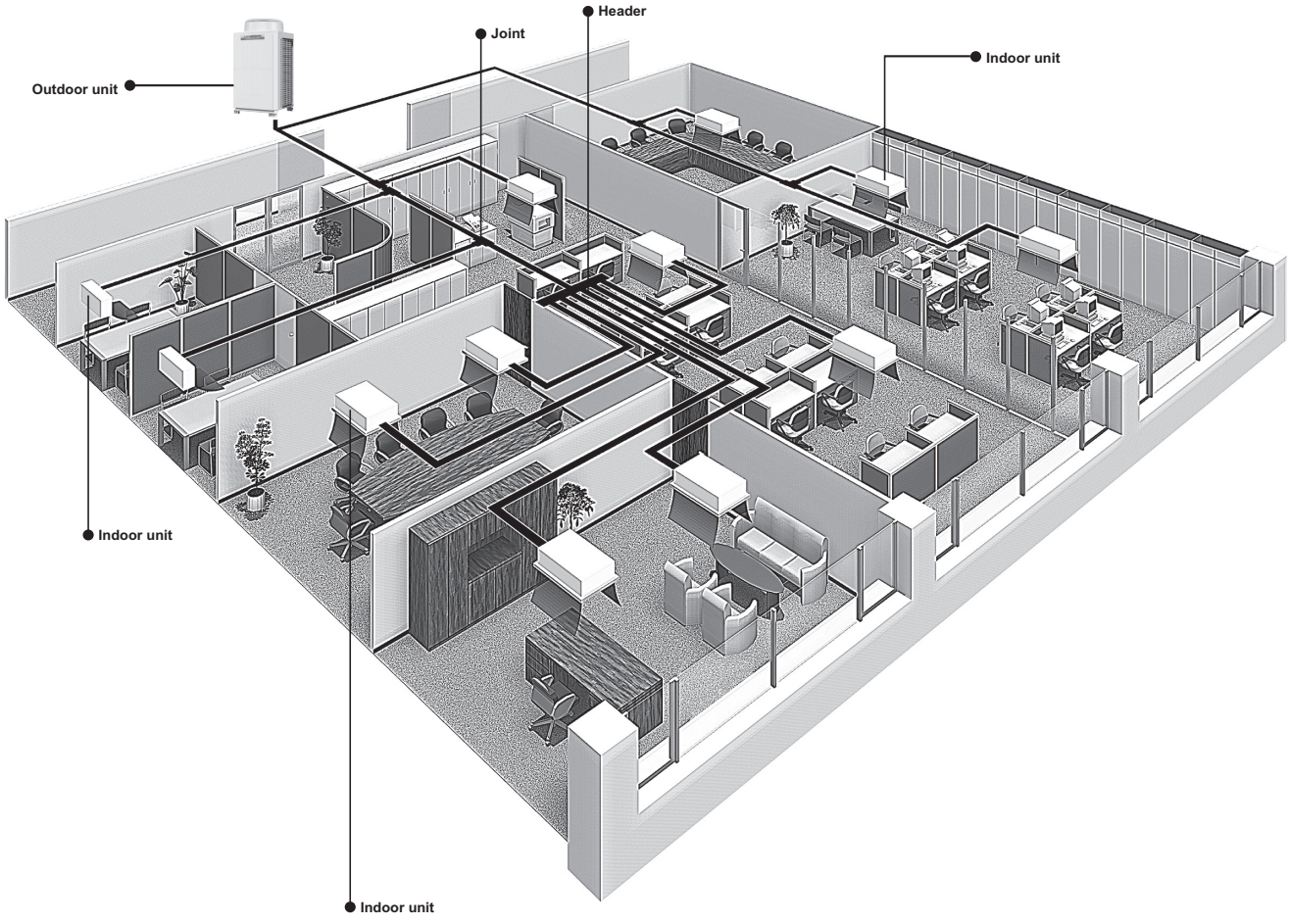
CITY MULTI™
OUTDOOR UNITS

Y (High COP) SERIES



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

	200	300	400	450	500	550	600	650	700	750	800	850	900
	8HP	12HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP
Y Heat pump	●	●	●	●	●	●	●	●	●	●	●	●	●

Ref: PUHY_YHM-A_DOC_EUDB_ALL_Y2

1. SPECIFICATIONS

Model			PUHY-EP200YHM-A(-BS)	PUHY-EP300YHM-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	33.5
	*1	kcal / h	19,300	28,800
	*1	Btu / h	76,400	114,300
	*2	kcal / h	20,000	30,000
Power input		kW	5.18	8.25
Current input		A	8.7-8.3-8.0	13.9-13.2-12.7
COP (kW / kW)			4.32	4.06
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	37.5
	*3	kcal / h	21,500	32,300
	*3	Btu / h	85,300	128,000
Power input		kW	5.77	9.28
Current input		A	9.7-9.2-8.9	15.6-14.8-14.3
COP (kW / kW)			4.33	4.04
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 - 26
Noise 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>=40m)
	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)	Pre-coated galvanized steel sheets (+powder coating for -BS type)
			<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x1220x760
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	200 (441)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	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^3 / min	185	225
		L / s	3,083	3,750
		cfm	6,532	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	Copper pipe,pipe-in-pipe structure
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	Auto-defrost mode (Reversed refrigerant circle)
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit	LEV and HIC circuit
Drawing	External		KB94G545	KB94G546
	Wiring		KE94C140	KE94C140
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
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)

*Nominal condition *1,*3 are subject to JIS B8615-1

*Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter

kcal = kW x 860

Btu/h = kW x 3,412

cfm = m^3/min x 35.31

lb = kg/0.4536

*Above specification data is subject to rounding variation.

Ref.:PUHY_YHM-A_SPC_EUDB_EP200-P300_56

1. SPECIFICATIONS

Model			PUHY-EP400YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	45.0
	*1	kcal / h	38,700
	*1	Btu / h	153,500
	*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 - 34
Noise 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

Model			PUHY-EP200YHM-A(-BS)	PUHY-EP200YHM-A(-BS)
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)	
			<MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x920x760
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"
Net weight		kg (lb)	200 (441)	200 (441)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	5.4	5.4
	Case heater	kW	0.035	0.035
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	185
		L / s	3,083	3,083
		cfm	6,532	6,532
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 9.0 kg (20lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	9.52 (3/8") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed
Drawing	External		KB94G539	
	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	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP400_56

1. SPECIFICATIONS

Model			PUHY-EP450YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	50.0
	*1	kcal / h	43,000
	*1	Btu / h	170,600
	*2	kcal / h	45,000
	Power input	kW	13.15
	Current input	A	22.1-21.0-20.3
	COP (kW / kW)		3.80
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
Noise level (measured in anechoic room)		dB <A>	60
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed
	Gas	mm (in.)	28.58(1-1/8") Brazed

Set Model

Model			PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-A(-BS)
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)	
			<MUNSELL 5Y 8/1 or similar> **5**	
External dimension H x W x D		mm	1,710(without legs 1,650)x920x760	1,710(without legs 1,650)x920x760
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"
Net weight		kg (lb)	200 (441)	200 (441)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	5.4	6.7
	Case heater	kW	0.035	0.035
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	185
		L / s	3,083	3,083
		cfm	6,532	6,532
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 9.0 kg (20lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	9.52 (3/8") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed
Drawing	External		KB94G539	
	Wiring		KE94C140	KE94C140
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP450_56

1. SPECIFICATIONS

Model			PUHY-EP500YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	56.0
	*1	kcal / h	48,200
	*1	Btu / h	191,100
	*2	kcal / h	50,000
	Power input	kW	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
Noise 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-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
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	200 (441)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	5.4	8.3
	Case heater	kW	0.035	0.045
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	225
		L / s	3,083	3,750
		cfm	6,532	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	12.7 (1/2") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed
Drawing	External		KB94G540	
	Wiring		KE94C140	KE94C140
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202-G2 Header :CMY-Y104/108/1010-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP500_56

1. SPECIFICATIONS

Model			PUHY-EP550YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	63.0
	*1	kcal / h	54,200
	*1	Btu / h	215,000
	*2	kcal / h	55,000
	Power input	kW	16.32
	Current input	A	27.5-26.1-25.2
	COP (kW / kW)		3.86
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	17.12
	Current input	A	28.9-27.4-26.4
	COP (kW / kW)		4.03
Temp. range of heating	Indoor temp.	D.B.	15 to 27degC (59 to 81degF)
	Outdoor temp.	W.B.	-20 to 15.5degC (-4 to 60degF)
Indoor unit connectable	Total capacity		50 - 130% of outdoor unit capacity
	Model / Quantity		P15 - P250/1 - 47
Noise level (measured in anechoic room)		dB <A>	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-P250YHM-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
		in.	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	200 (441)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	6.7	8.3
	Case heater	kW	0.035	0.045
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	225
		L / s	3,083	3,750
		cfm	6,532	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	12.7 (1/2") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed
Drawing	External		KB94G540	
	Wiring		KE94C140	KE94C140
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP550_56

1. SPECIFICATIONS

Model			PUHY-EP600YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	69.0
	*1	kcal / h	59,300
	*1	Btu / h	235,400
	*2	kcal / h	60,000
	Power input	kW	16.99
	Current input	A	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
Noise 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-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
		in.	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	245 (541)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	8.3	8.3
	Case heater	kW	0.045	0.045
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	225	225
		L / s	3,750	3,750
		cfm	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	22.2(7/8") Brazed
Drawing	External		KB94G541	
	Wiring		KE94C140	KE94C140
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP600_56

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
Noise level (measured in anechoic room)		dB <A>	63.0
Diameter of refrigerant pipe	Liquid	mm (in.)	15.88 (5/8") Brazed
	Gas	mm (in.)	28.58(1-1/8") Brazed

Set Model

Model			PUHY-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")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	245 (541)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter
	Motor output	kW	8.3	10.3
	Case heater	kW	0.045	0.045
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	225	225
		L / s	3,750	3,750
		cfm	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure	
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x original charge		R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit	
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed
	Gas	mm (in.)	22.2(7/8") Brazed	28.58(1-1/8") Brazed
Drawing	External		KB94G541	
	Wiring		KE94C140	KE94C140
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Outdoor Twinning Kit : CMY-Y100VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)
Pipe length :	7.5m(24-9/16ft)	5m(16-3/8ft)	7.5m(24-9/16ft)
Level difference :	0m(0ft)	0m(0ft)	0m(0ft)

*Nominal condition *1,*3 are subject to JIS B8615-1

*Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter
kcal = kW x 860
Btu/h = kW x 3,412
cfm = m^3/min x 35.31
lb = kg/0.4536
*Above specification data is subject to rounding variation.

Ref.:PUHY_YHM-A_SPC_EUDB_EP650_56

1. SPECIFICATIONS

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
Noise 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")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
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
	Maker		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^3 / min	185	185	225
		L / s	3,083	3,083	3,750
		cfm	6,532	6,532	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure		
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit		
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	9.52 (3/8") 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		KB94G542		
	Wiring		KE94C140	KE94C140	KE94C140
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning Kit : CMY-Y300VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP700_56

1. SPECIFICATIONS

Model			PUHY-EP750YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	85.0
	*1	kcal / h	73,100
	*1	Btu / h	290,000
	*2	kcal / h	75,000
	Power input	kW	21.79
	Current input	A	36.7-34.9-33.6
	COP (kW / kW)		3.90
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
Noise 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(1-1/4") Brazed

Set Model

Model			PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-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")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
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
	Maker		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	6.7	8.3
	Case heater	kW	0.035	0.035	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	185	225
		L / s	3,083	3,083	3,750
		cfm	6,532	6,532	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure		
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit		
Pipe between unit distributor	Liquid	mm (in.)	9.52 (3/8") Brazed	9.52 (3/8") 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		KB94G542		
	Wiring		KE94C140	KE94C140	KE94C140
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning Kit : CMY-Y300VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP750_56

1. SPECIFICATIONS

Model			PUHY-EP800YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	90.0
	*1	kcal / h	77,400
	*1	Btu / h	307,100
	*2	kcal / h	80,000
	Power input	kW	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
Noise level (measured in anechoic room)		dB <A>	64
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	34.93(1-1/4") 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")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	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
	Maker		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.4	8.3	8.3
	Case heater	kW	0.035	0.045	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	225	225
		L / s	3,083	3,750	3,750
		cfm	6,532	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure		
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit		
Pipe between unit distributor	Liquid	mm (in.)	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		KB94G543		
	Wiring		KE94C140	KE94C140	KE94C140
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning Kit : CMY-Y300VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP800_56

1. SPECIFICATIONS

Model			PUHY-EP850YSHM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	*1	kW	96.0
	*1	kcal / h	82,600
	*1	Btu / h	327,600
	*2	kcal / h	85,000
	Power input	kW	24.67
	Current input	A	41.6-39.5-38.1
	COP (kW / kW)		3.89
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
Noise level (measured in anechoic room)		dB <A>	64
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	41.28(1-1/2") Brazed

Set Model

Model			PUHY-P250YHM-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")x36-1/4"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	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
	Maker		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	6.7	8.3	8.3
	Case heater	kW	0.035	0.045	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m^3 / min	185	225	225
		L / s	3,083	3,750	3,750
		cfm	6,532	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure		
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge		R410A x 9.0 kg (20lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit		
Pipe between unit distributor	Liquid	mm (in.)	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		KB94G543		
	Wiring		KE94C140	KE94C140	KE94C140
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning Kit : CMY-Y300VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

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

Ref.:PUHY_YHM-A_SPC_EUDB_EP850_56

1. SPECIFICATIONS

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
Noise level (measured in anechoic room)		dB <A>	65
Diameter of refrigerant pipe	Liquid	mm (in.)	19.05 (3/4") Brazed
	Gas	mm (in.)	41.28(1-1/2") 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")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"	67-3/8"(without legs 65")x48-1/16"x29-15/16"
Net weight		kg (lb)	245 (541)	245 (541)	245 (541)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	8.3	8.3	8.3
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	MEL32	MEL32
FAN	Air flow rate	m^3 / min	225	225	225
		L / s	3,750	3,750	3,750
		cfm	7,945	7,945	7,945
	External static press.		0 - 30 - 60Pa	0 - 30 - 60Pa	0 - 30 - 60Pa
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 1	0.46 x 1	0.46 x 1
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,pipe-in-pipe structure		
Protection	High pressure protection		High pres. Sensor & High pres. Switch at 4.15 MPa (601psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)		
Refrigerant	Type x original charge		R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)	R410A x 11.5 kg (26lb)
	Control		LEV and HIC circuit		
Pipe between unit distributor	Liquid	mm (in.)	12.7 (1/2") Brazed	12.7 (1/2") Brazed	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		KB94G544		
	Wiring		KE94C140	KE94C140	KE94C140
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Outdoor Twinning Kit : CMY-Y300VBK2 joint :CMY-Y102S/L-G2,CMY-Y202/302-G2 Header :CMY-Y104/108/1010-G		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

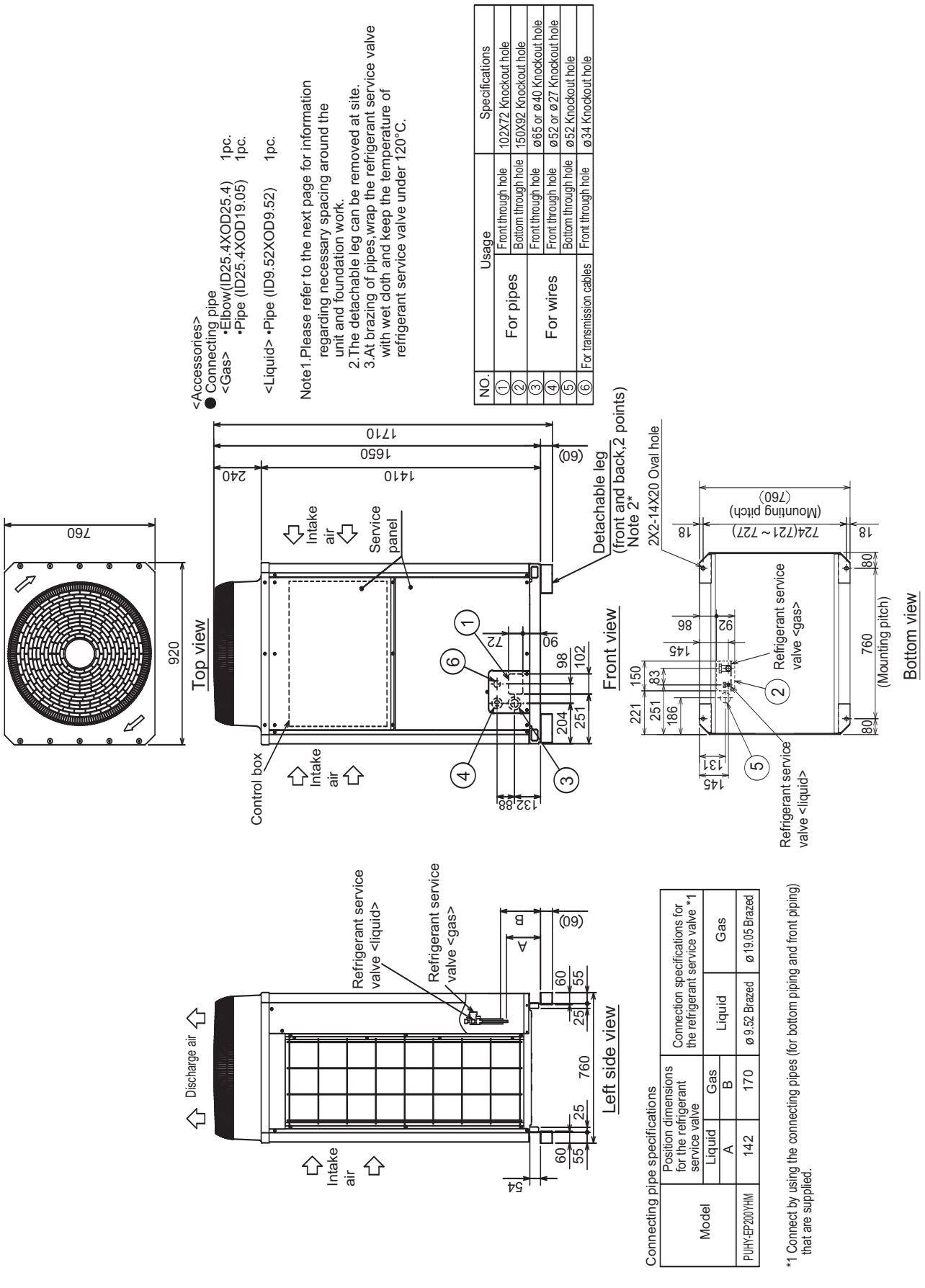
Note :	*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB(68degFDB)	kcal = kW x 860
Outdoor :	35degCDB(95degFDB)	35degCDB(95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)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

Ref.:PUHY_YHM-A_SPC_EUDB_EP900_56

2. EXTERNAL DIMENSIONS

PUHY-EP200YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP200_Y1
Unit : mm



PUHY-EP200YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP200_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

<Unit:mm>

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

● 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.

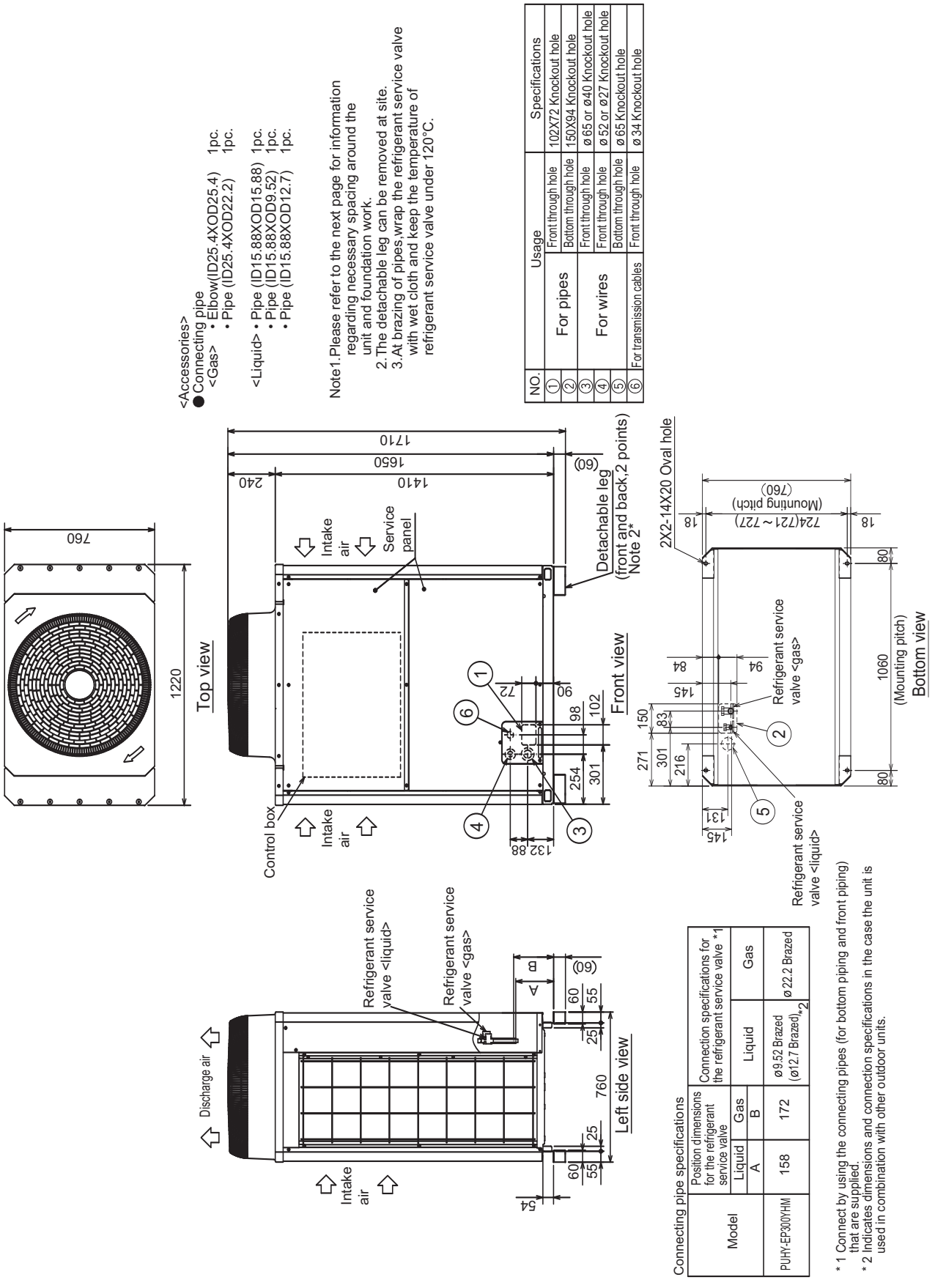
<Unit:mm>

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-EP300YHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP300_Y1
Unit : mm

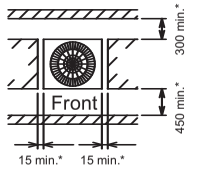


1. Required space around the unit

● In case of single installation

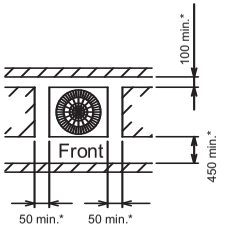
① Secure enough space around the unit as shown in the figure below.

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



<Top view>

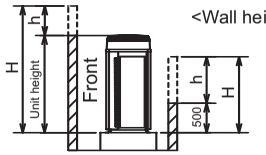
• With a space of at least 100mm to the wall on the back of the unit



<Top view>

<Unit:mm>

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.

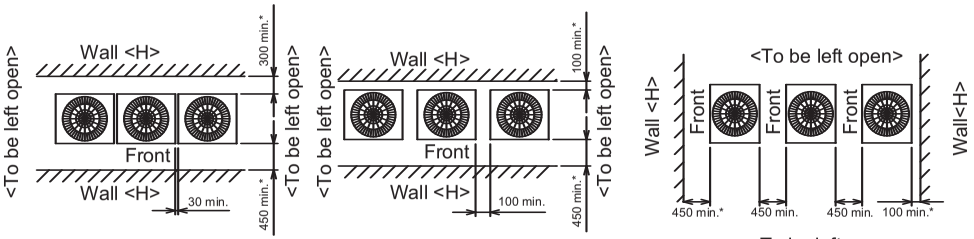


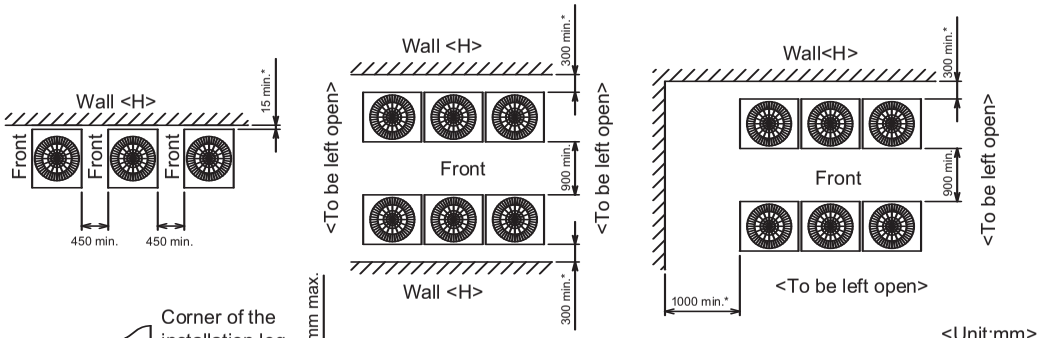
<Side view>

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

● In case of collective installation

① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of 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.





<Unit:mm>

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.

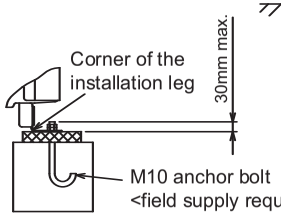


Fig.A (without detachable legs)

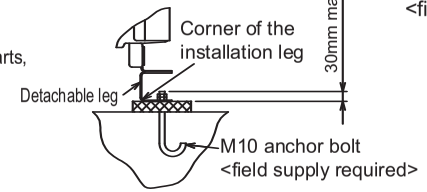


Fig.B (with detachable legs)

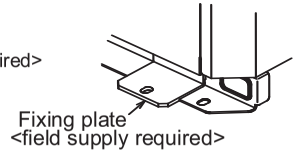


Fig.C (without detachable legs)

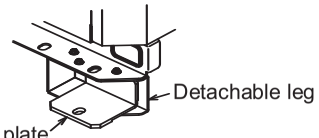
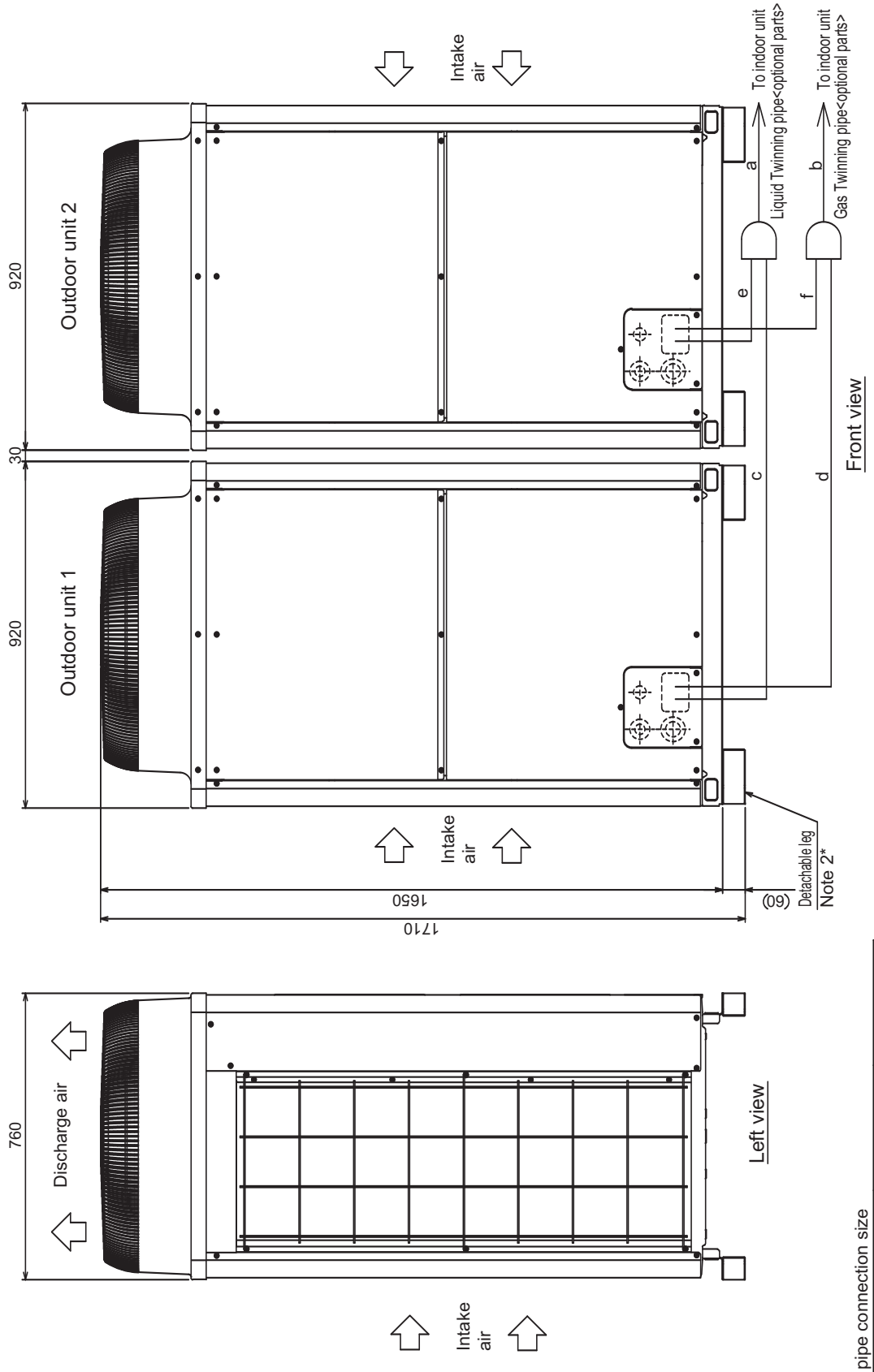


Fig.D (with detachable legs)

Ref. : PUHY_YHM-A_EXD_EUDB_EP300_Y2
Unit : mm

PUHY-EP400,450YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP400-EP450
Unit : mm



Twinning pipe ~ Outdoor unit	Unit model	Liquid	Gas
		c or e	d or f
	P250	ø9.52	ø22.2
	EP200	ø9.52	ø19.05

Twinning pipe connection size

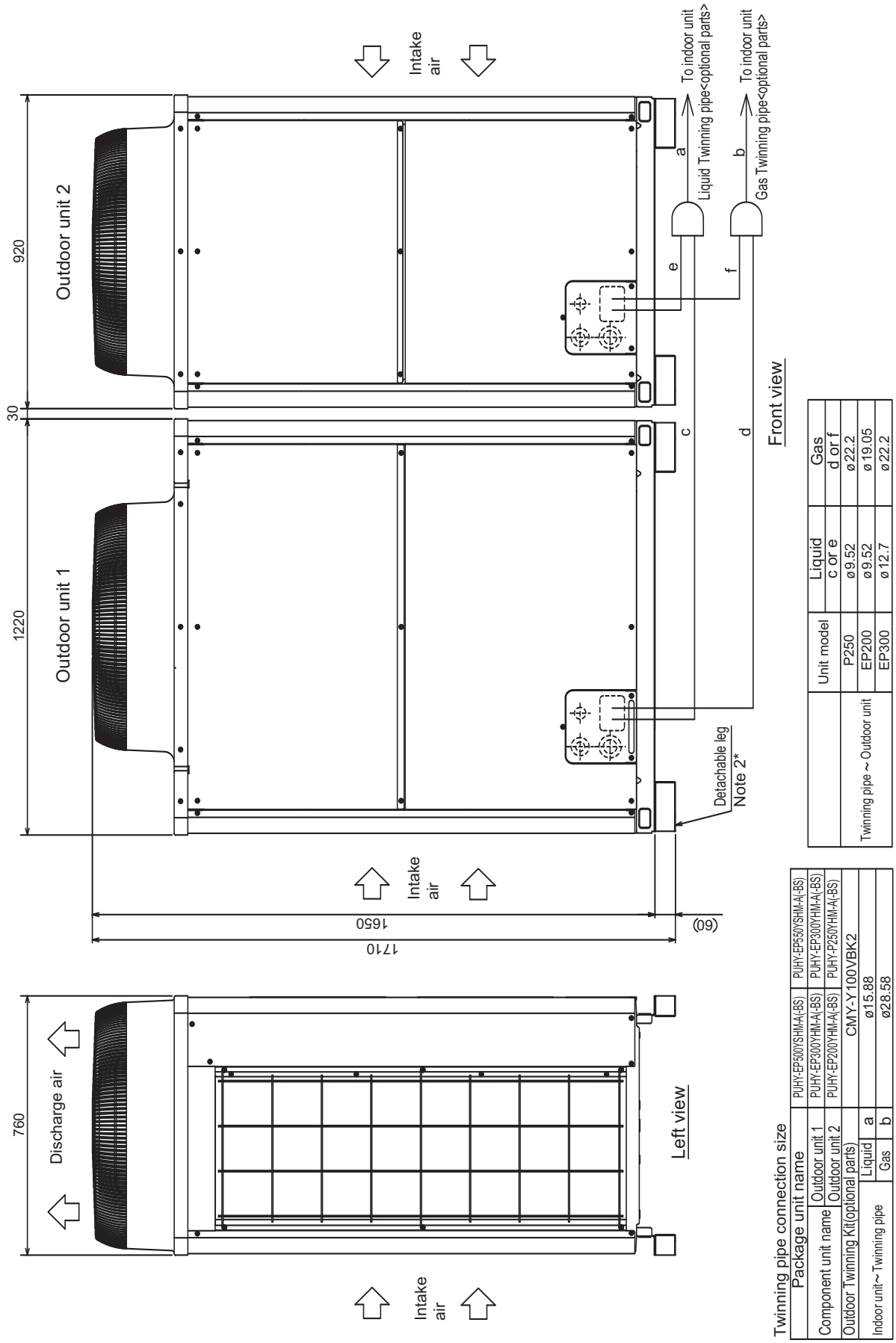
Package unit name			PUHY-EP400YSHM-A(-BS)	PUHY-EP450YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-A(-BS)
	Outdoor unit 2		PUHY-EP200YHM-A(-BS)	PUHY-EP200YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2	
Indoor unit ~ Twinning pipe	Liquid	a	ø15.88	
	Gas	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 ground.See the Installation Manual for details.

PUHY-EP500,550YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP500-EP550

Unit : mm



Twinning pipe ~ Outdoor unit	Unit model	Liquid c or e	Gas d or f
	P250	ø9.52	ø22.2
	EP200	ø9.52	ø19.05
	EP300	ø12.7	ø22.2

Twinning pipe connection size

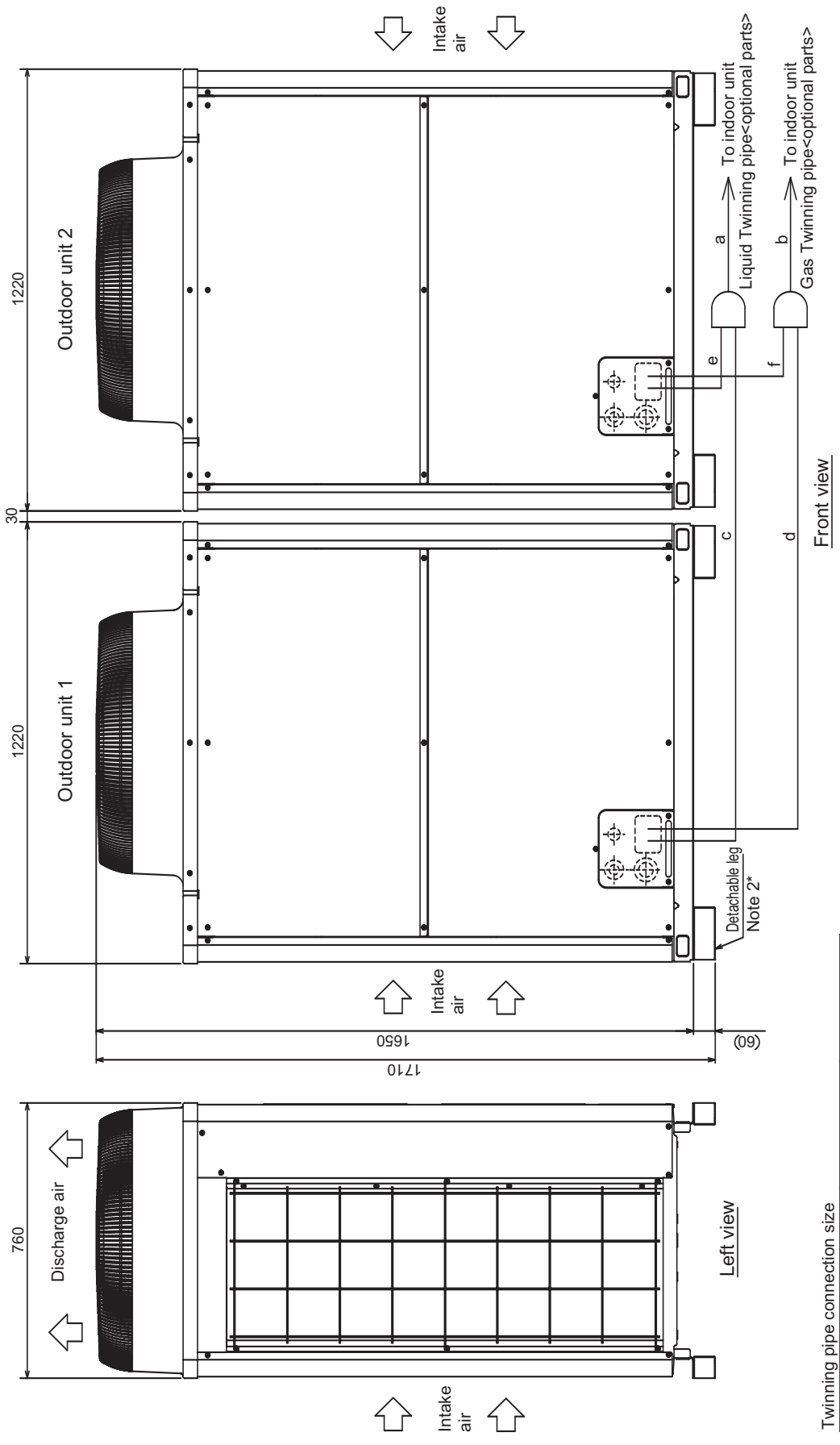
Package unit name			PUHY-EP500YSHM-A(-BS)	PUHY-EP550YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
	Outdoor unit 2		PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2	
Indoor unit~ Twinning pipe	Liquid	a	ø15.88	
	Gas	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 ground.See the Installation Manual for details.

PUHY-EP600,650YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP600-EP650

Unit : mm



	Unit model	Liquid	Gas
Twinning pipe ~ Outdoor unit		c or e	d or f
	P350	ø12.7	ø28.58
	EP300	ø12.7	ø22.2

Twinning pipe connection size

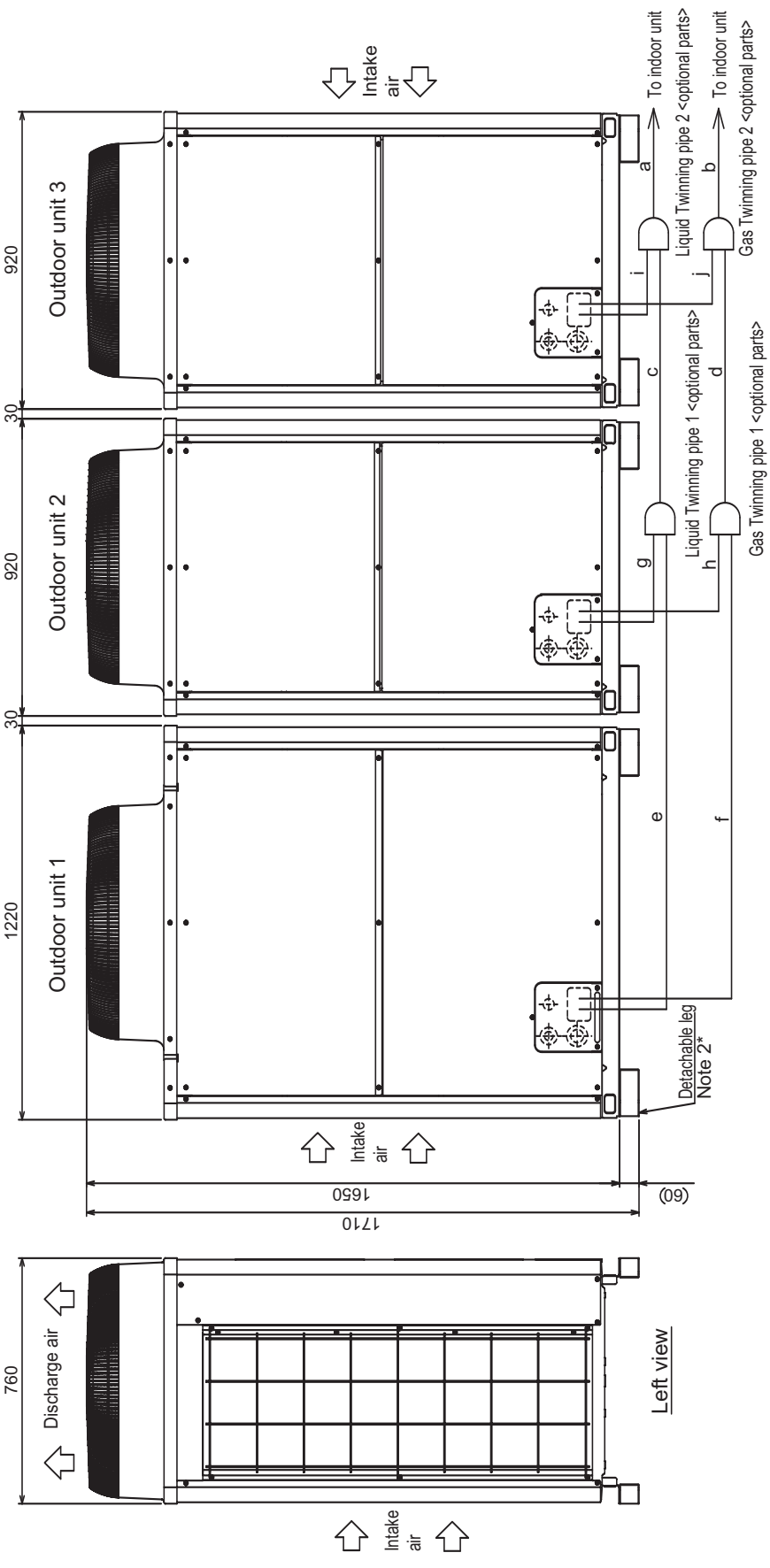
Package unit name			PUHY-EP600YSHM-A(-BS)	PUHY-EP650YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YHM-A(-BS)	PUHY-P350YHM-A(-BS)
	Outdoor unit 2		PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y100VBK2	
Indoor unit~ Twinning pipe	Liquid	a	ø15.88	
	Gas	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 ground.See the Installation Manual for details.

PUHY-EP700,750YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP700-EP750

Unit : mm



Twinning pipe connection size

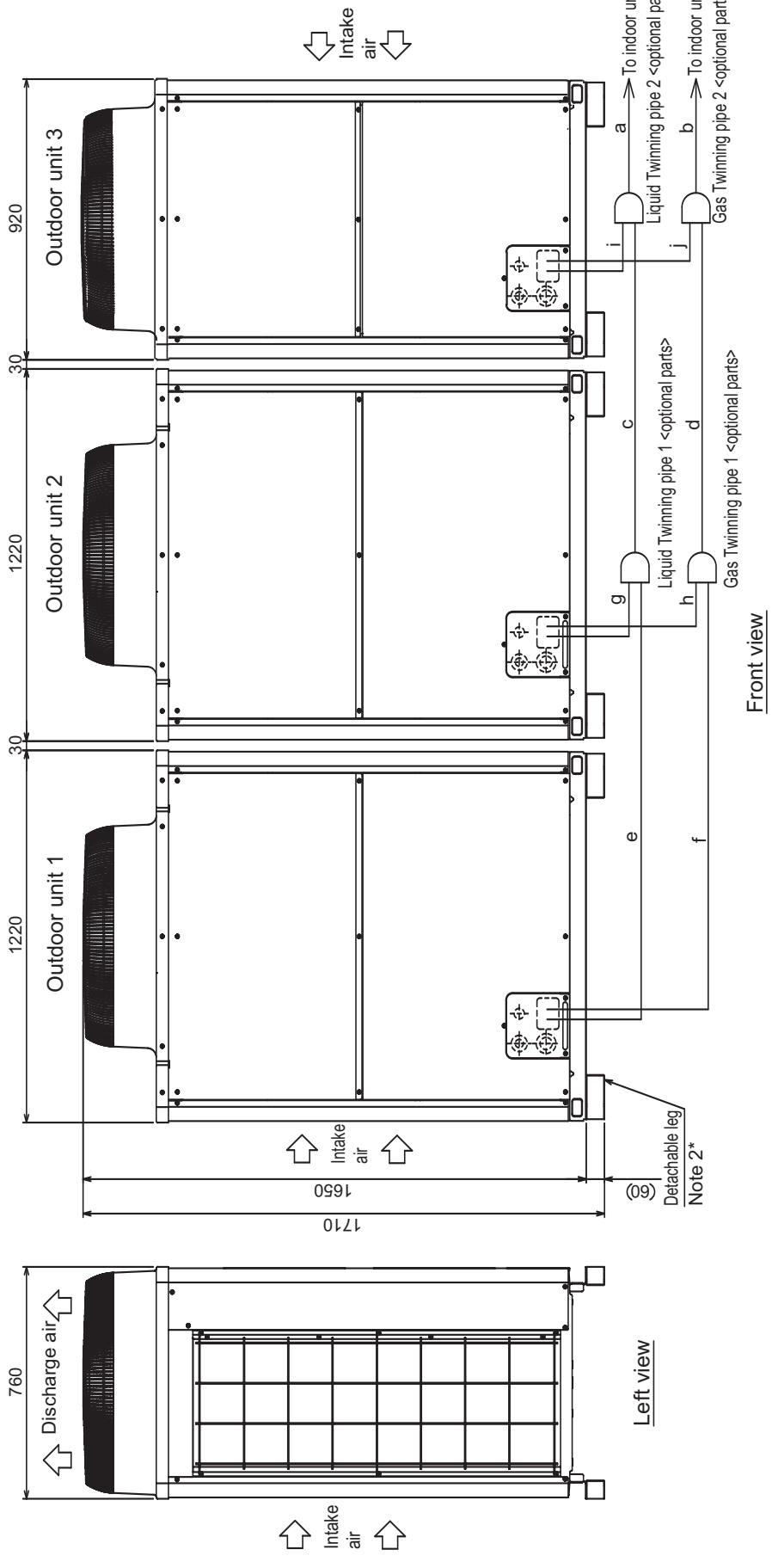
Package unit name			PUHY-EP700YSHM-A(-BS)	PUHY-EP750YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
	Outdoor unit 2		PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-A(-BS)
	Outdoor unit 3		PUHY-EP200YHM-A(-BS)	PUHY-EP200YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2	
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	Gas
		e or g or i	f or h or j
Twinning pipe ~ Outdoor unit	P250	ø9.52	ø22.2
	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 ground.See the Installation Manual for details.

PUHY-EP800,850YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP800-EP850
Unit : mm



	Unit model	Liquid	Gas
Twinning pipe ~ Outdoor unit		e or g or i	f or h or j
	P250	ø9.52	ø22.2
	EP200	ø9.52	ø19.05
	EP300	ø12.7	ø22.2

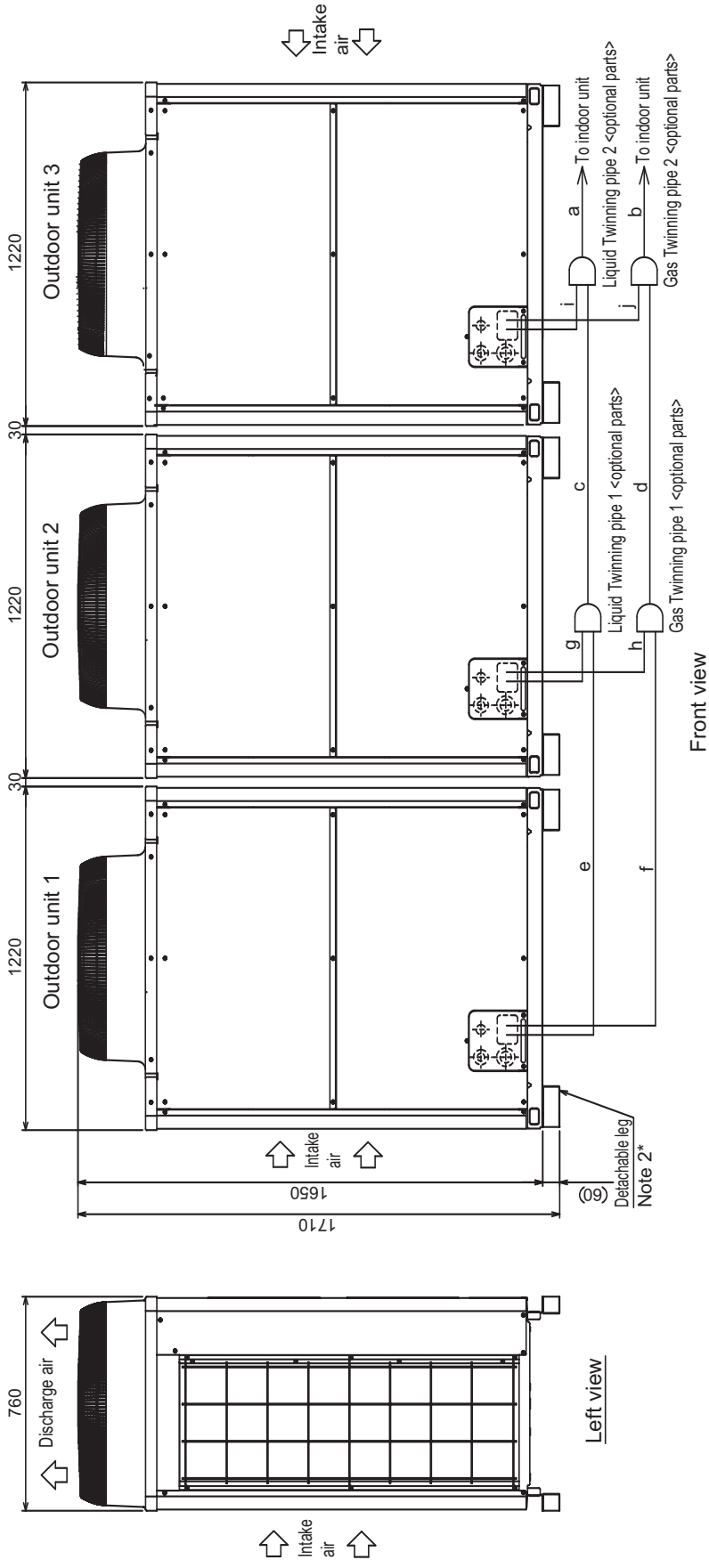
Twinning pipe connection size

Package unit name			PUHY-EP800YSHM-A(-BS)	PUHY-EP850YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
	Outdoor unit 2		PUHY-EP300YHM-A(-BS)	PUHY-EP300YHM-A(-BS)
	Outdoor unit 3		PUHY-EP200YHM-A(-BS)	PUHY-P250YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300VBK2	
Indoor unit~ Twinning pipe 2	Liquid	a	ø19.05	
	Gas	b	ø34.93	ø41.28
Twinning pipe 1 ~ Twinning pipe 2	Liquid	c	ø19.05	
	Gas	d	ø34.93	

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

PUHY-EP900YSHM-A(-BS)

Ref. : PUHY_YHM-A_EXD_EUDB_EP900
Unit : mm



Twinning pipe connection size

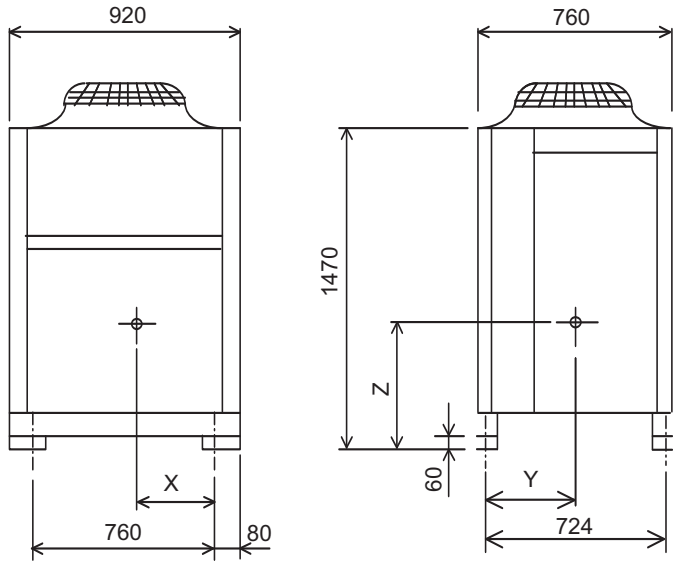
Package unit name			PUHY-EP900YSHM-A(-BS)
Component unit name	Outdoor unit 1		PUHY-EP300YHM-A(-BS)
	Outdoor unit 2		PUHY-EP300YHM-A(-BS)
	Outdoor unit 3		PUHY-EP300YHM-A(-BS)
Outdoor Twinning Kit(optional parts)			CMY-Y300GVBK2
Indoor unit~ Twinning pipe 2	Liquid	a	ø19.05
	Gas	b	ø41.28
Twinning pipe 1~ Twinning pipe 2	Liquid	c	ø19.05
	Gas	d	ø34.93

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

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

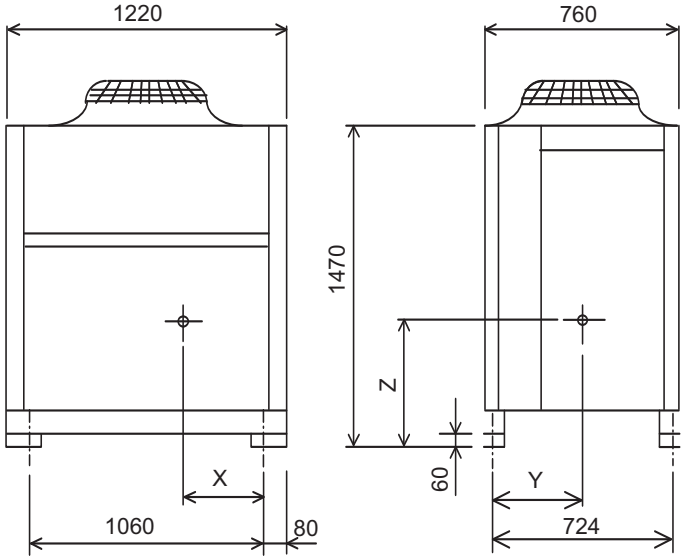
3. CENTER OF GRAVITY

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



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

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

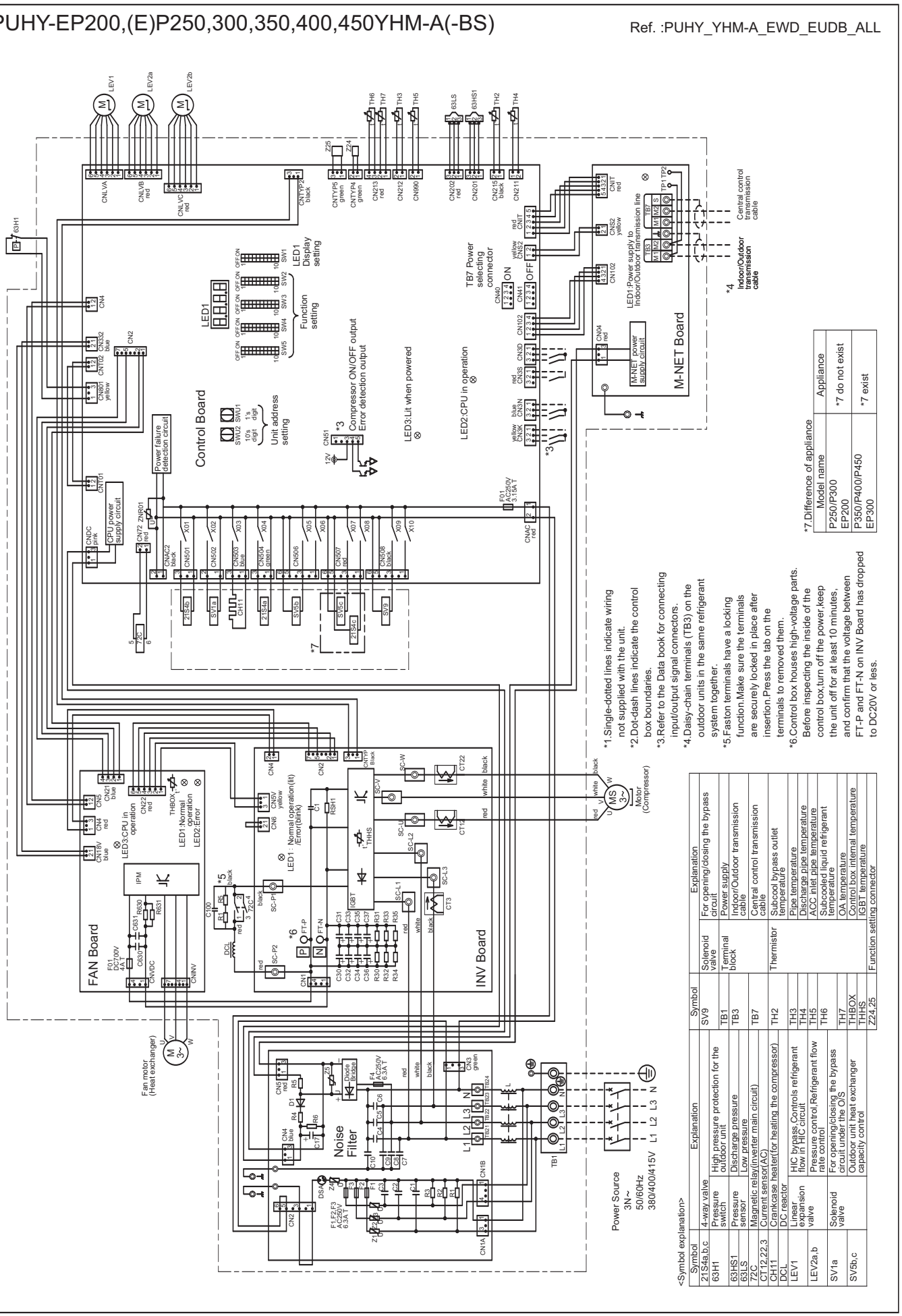


Model	X	Y	Z
PUHY-P350YHM-A (-BS)	440	329	630
PUHY-P400YHM-A (-BS)	440	329	630
PUHY-P450YHM-A (-BS)	440	329	630
PUHY-EP300YHM-A (-BS)	440	329	630

Ref. : PUHY_YHM-A_COG_EUDB_ALL

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

Ref. :PUHY_YHM-A_EWD_EUDB_ALL



*1.Single-dotted lines indicate wiring not supplied with the unit.

*2.Dot-dash lines indicate the control box boundaries.

*3.Refer to the Data book for connecting input/output signal connectors.

*4.Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.

*5.Faston terminals have a locking function.Make sure the terminals are securely locked in place after insertion.Press the tab on the terminals to removed them.

*6.Control box houses high-voltage parts. Before inspecting the inside of the control box,turn off the power,keep the unit off for at least 10 minutes, and confirm that the voltage between FT-P and FT-N on INV Board has dropped to DC20V or less.

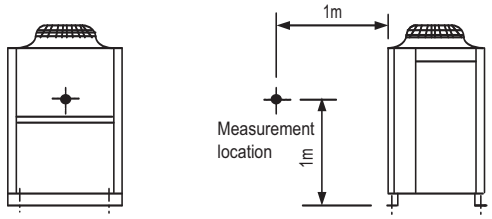
*7.Difference of appliance

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

<Symbol explanation>

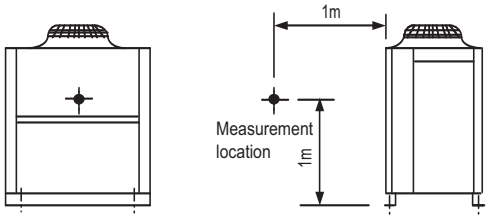
Symbol	Explanation		Symbol	Explanation	
21S4a,b,c	4-way valve		SV9	Solenoid valve	For opening/closing the bypass circuit
63H1	Pressure switch	High pressure protection for the outdoor unit	TB1	Terminal block	Power supply
63HS1	Pressure sensor	Discharge pressure	TB3		Indoor/Outdoor transmission cable
63LS		Low pressure	TB7		Central control transmission cable
72C	Magnetic relay(Inverter main circuit)		TH2	Thermistor	Subcool bypass outlet temperature
CT12,22,3	Current sensor(AC)				Pipe temperature
CH11	Crankcase heater(for heating the compressor)		TH3		Discharge pipe temperature
DCL	DC reactor		TH4		ACC inlet pipe temperature
LEV1	Linear expansion valve	HIC bypass,Controls refrigerant flow in HIC circuit	TH5		Subcooled liquid refrigerant temperature
LEV2a,b		Pressure control,Refrigerant flow rate control	TH6		OA temperature
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S	TH7		Control box internal temperature
SV5b,c		Outdoor unit heat exchanger capacity control	THBOX		IGBT temperature
			THHS		Function setting connector
			Z24,25		

Measurement condition
PUHY-EP200YHM



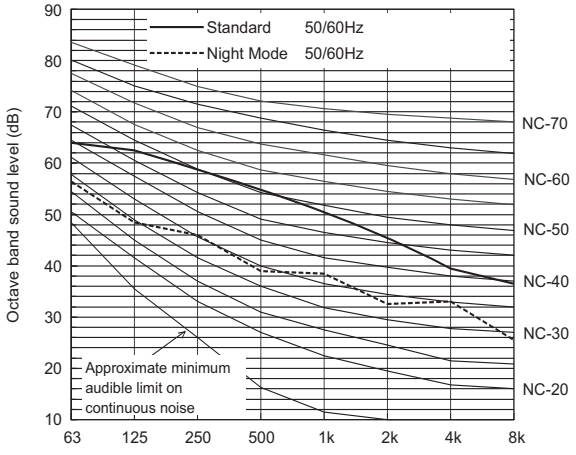
Ref.:PUHY_YHM-A_NCC_EUDB_EP200_Y1

Measurement condition
PUHY-EP300YHM



Ref.:PUHY_YHM-A_NCC_EUDB_EP300_Y1

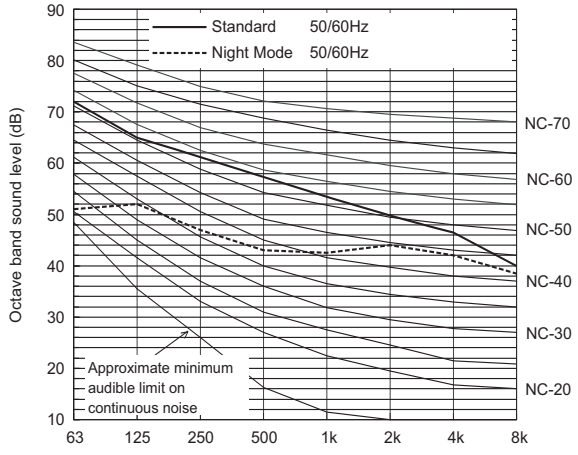
Sound level of PUHY-EP200YHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP200



		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
Night Mode	50/60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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

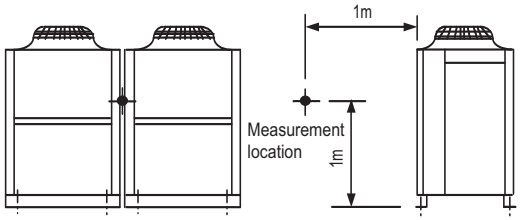
Sound level of PUHY-EP300YHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP300



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

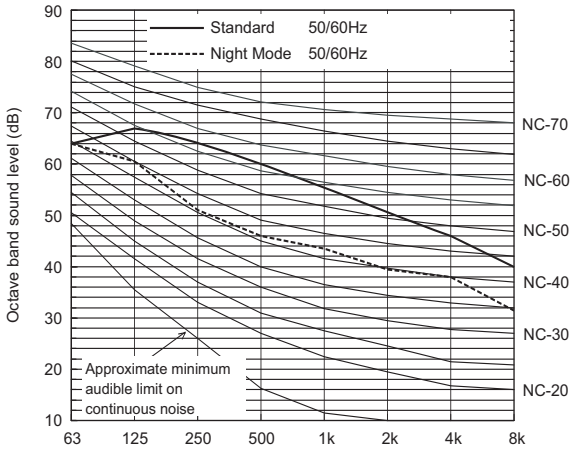
When Night Mode is set,the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

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



Ref.:PUHY_YHM-A_NCC_EUDB_EP400-EP650_Y1

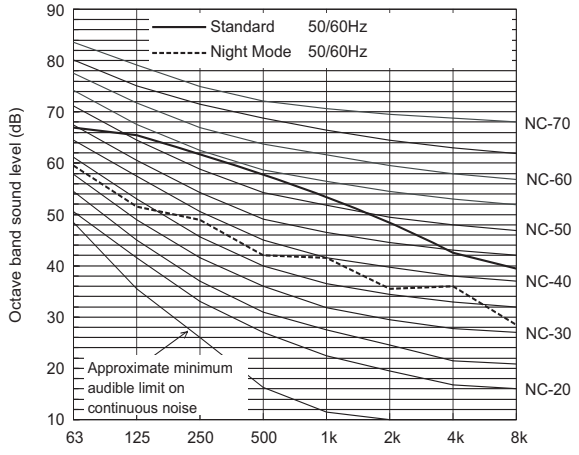
Sound level of PUHY-EP500YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP500



		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
Night Mode	50/60Hz	64.0	60.5	51.0	46.0	43.5	39.5	38.0	31.5	51.0

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

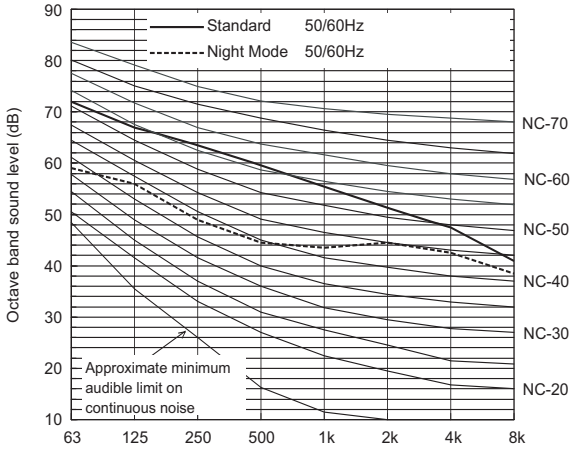
Sound level of PUHY-EP400YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP400



		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
Night Mode	50/60Hz	59.5	51.5	49.0	42.0	41.5	35.5	36.0	28.5	47.0

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

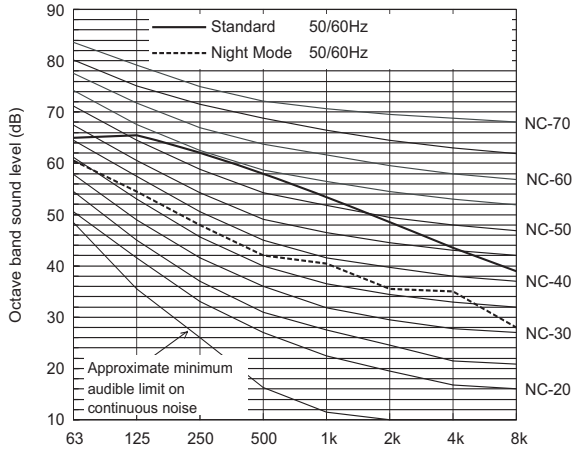
Sound level of PUHY-EP550YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP550



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

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

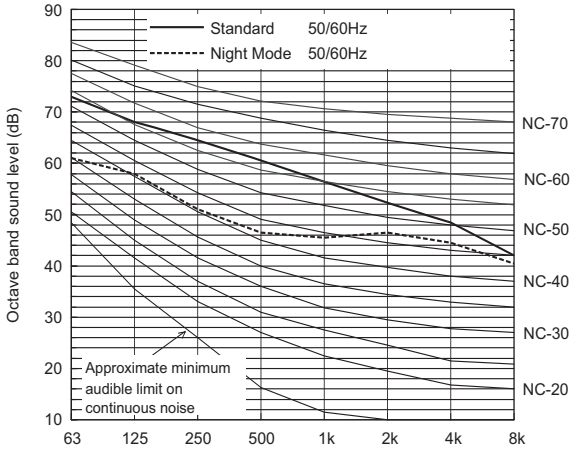
Sound level of PUHY-EP450YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP450



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	65.0	65.5	63.0	57.0	53.5	49.0	43.5	39.0	60.0
Night Mode	50/60Hz	60.5	54.5	48.0	42.0	40.5	35.5	35.0	28.0	47.0

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

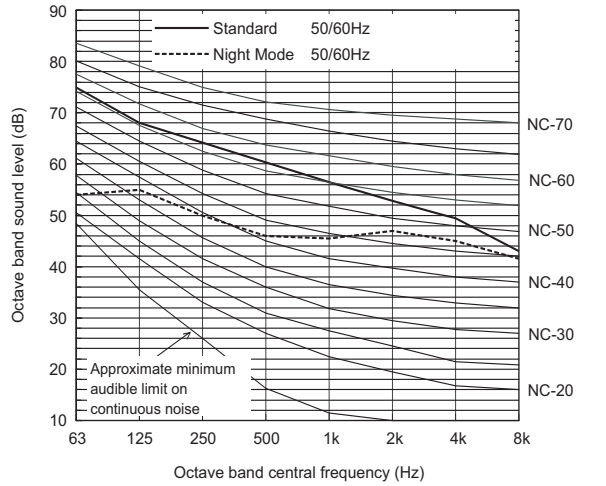
Sound level of PUHY-EP600YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP600



		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
Night Mode	50/60Hz	61.0	58.0	51.0	46.5	45.5	46.5	44.5	40.5	53.0

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

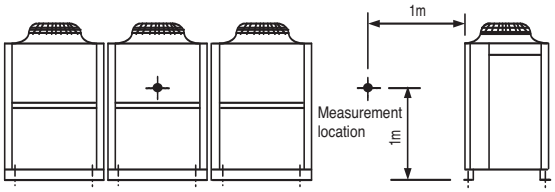
Sound level of PUHY-EP650YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP650



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	68.0	64.5	60.0	56.5	53.0	49.5	43.0	63.0
Night Mode	50/60Hz	54.0	55.0	50.0	46.0	45.5	47.0	45.0	41.5	53.0

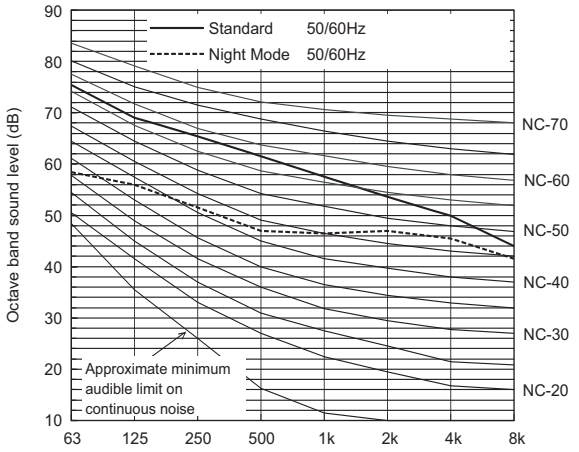
When Night Mode is set,the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

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



Ref.:PUHY_YHM-A_NCC_EUDB_EP700-EP900_Y1

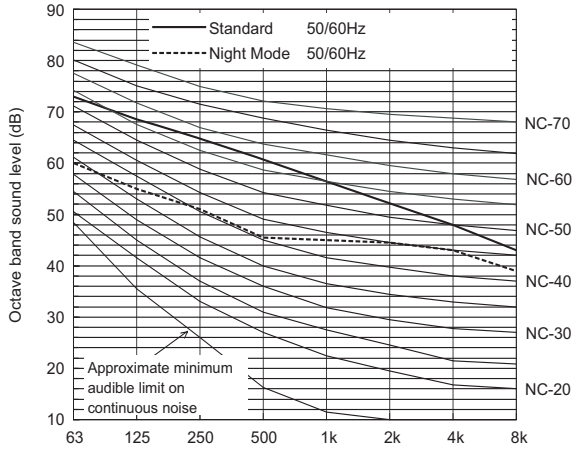
Sound level of PUHY-EP800YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP800



		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
Night Mode	50/60Hz	58.5	56.0	51.5	47.0	46.5	47.0	45.5	41.5	53.5

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

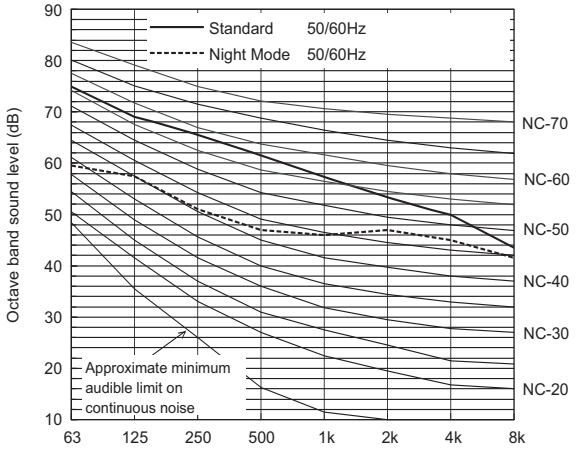
Sound level of PUHY-EP700YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP700



		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
Night Mode	50/60Hz	60.0	55.0	51.0	45.5	45.0	44.5	43.0	39.0	52.0

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

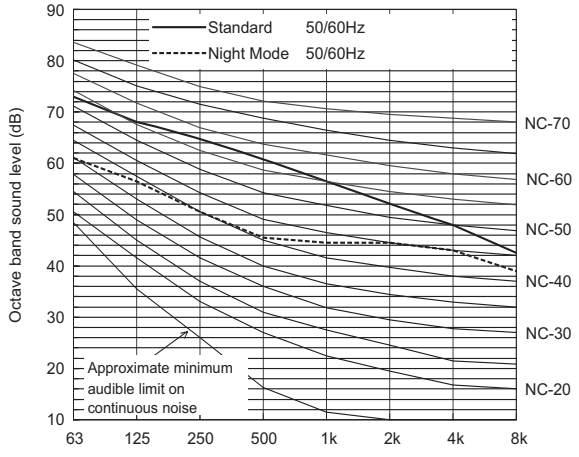
Sound level of PUHY-EP850YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP850



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	75.0	69.0	66.0	61.0	57.5	53.5	50.0	43.5	64.0
Night Mode	50/60Hz	59.5	57.5	51.0	47.0	46.0	47.0	45.0	41.5	53.5

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

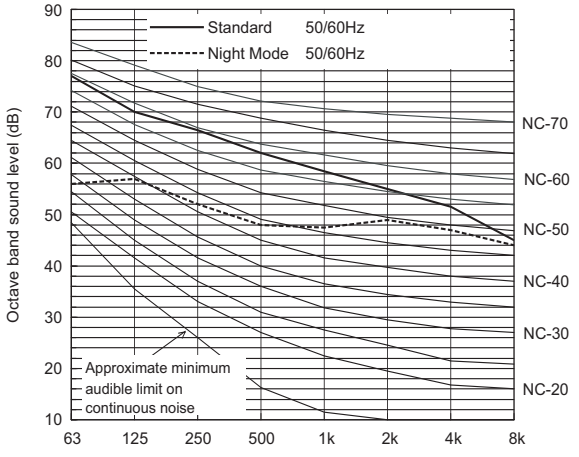
Sound level of PUHY-EP750YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP750



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	73.0	68.0	65.5	60.0	56.5	52.5	48.0	42.5	63.0
Night Mode	50/60Hz	61.0	56.5	50.5	45.5	44.5	44.5	43.0	39.0	52.0

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

Sound level of PUHY-EP900YSHM-A(-BS) Ref.:PUHY_YHM-A_NCC_EUDB_EP900



		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
Night Mode	50/60Hz	56.0	57.0	52.0	48.0	47.5	49.0	47.0	44.0	55.0

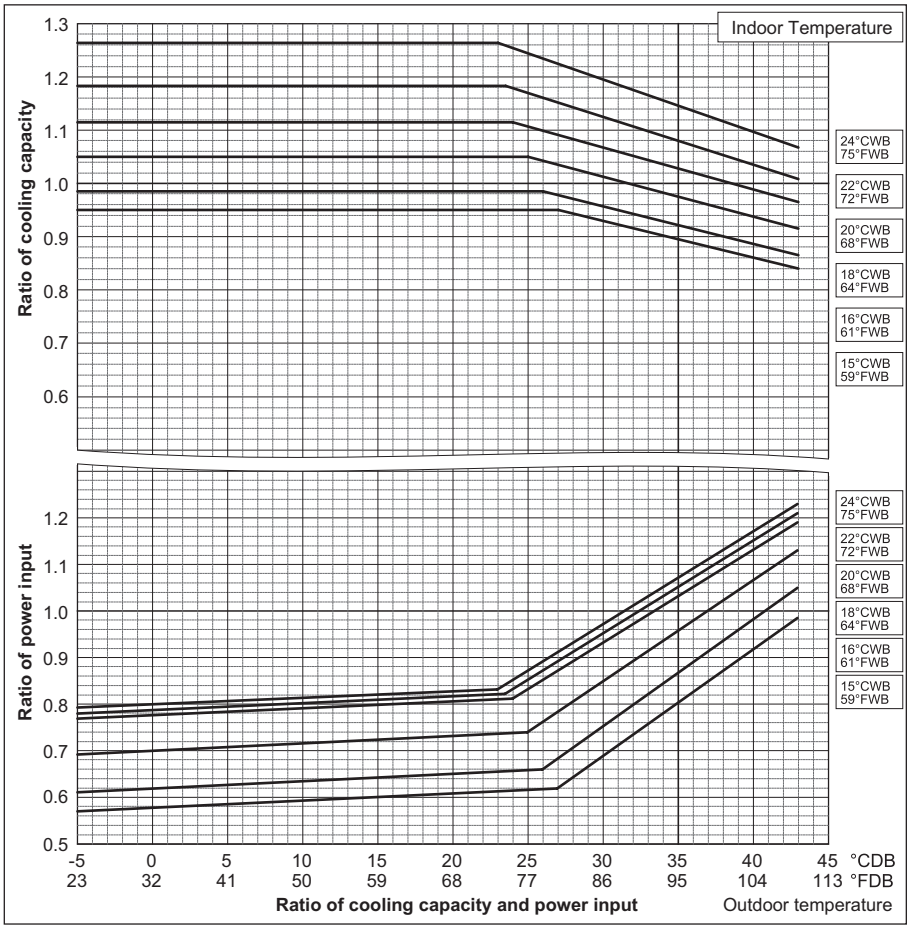
When Night Mode is set,the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

6. CAPACITY TABLES

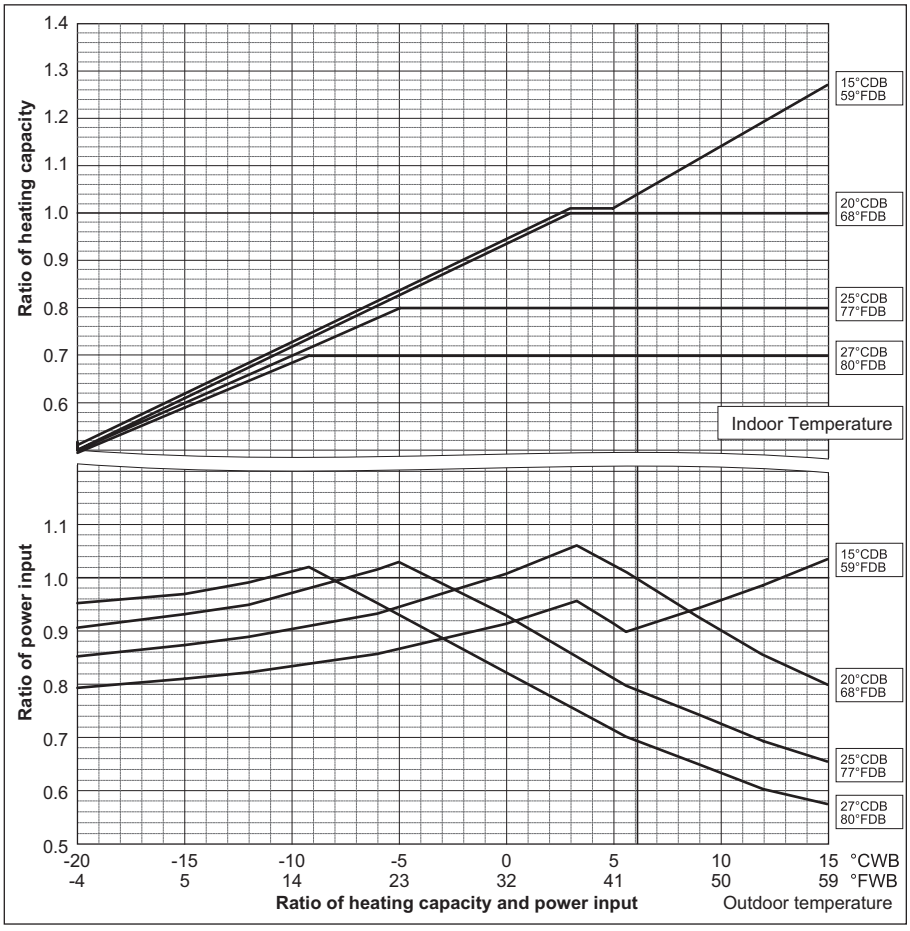
6-1. Correction by temperature

CITY MULTI^{TM} 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
Nominal Cooling Capacity	kW	22.4
	BTU/h	76,400
Input	kW	5.18

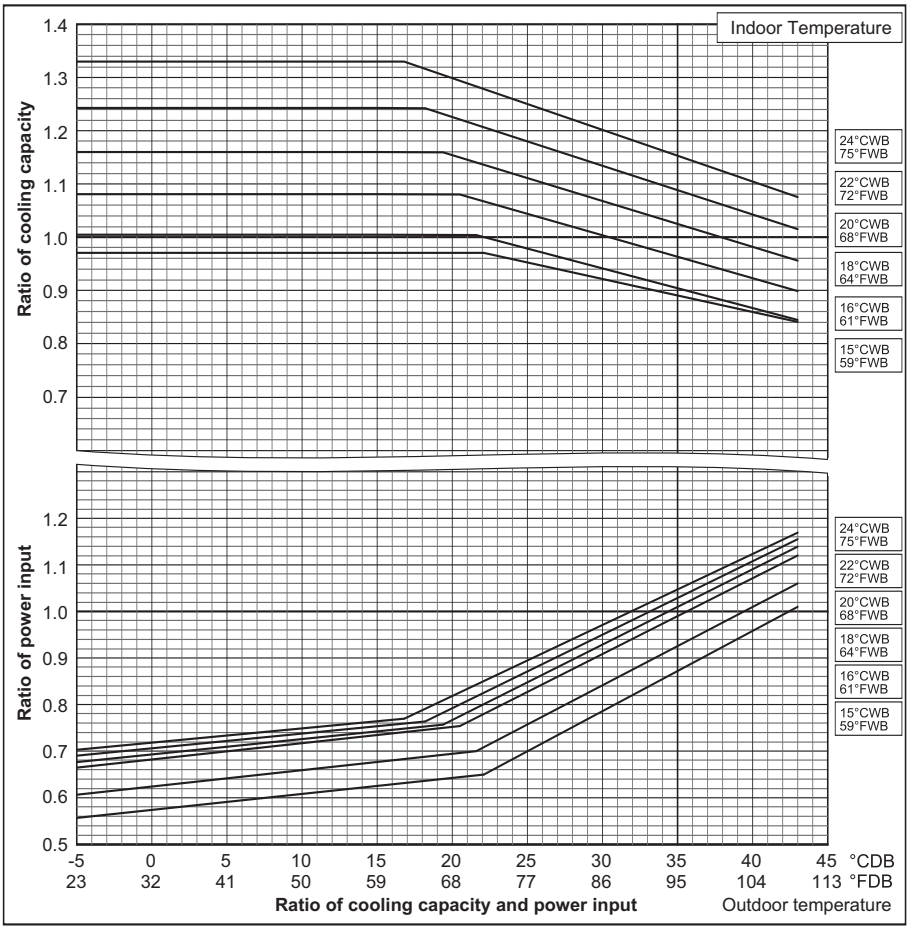


PUHY-		EP200YHM-A
Nominal Heating Capacity	kW	25.0
	BTU/h	85,300
Input	kW	5.77

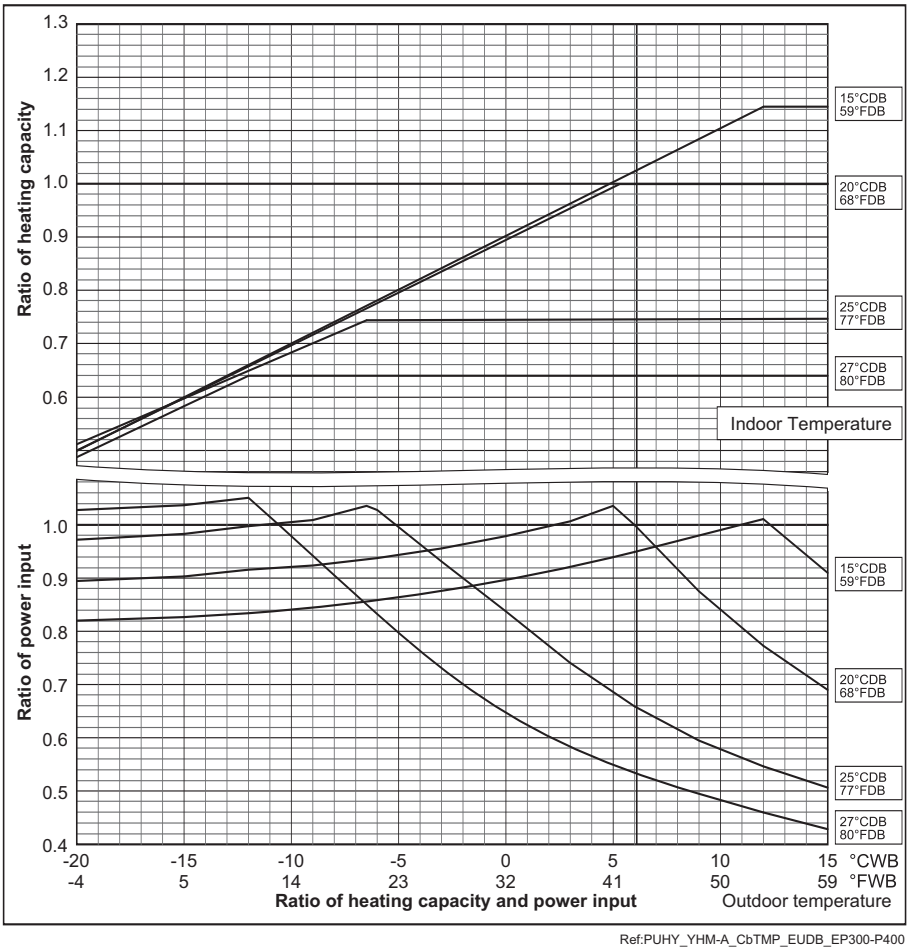


Ref:PUHY_YHM-A_CbTMP_EUDB_EP200

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



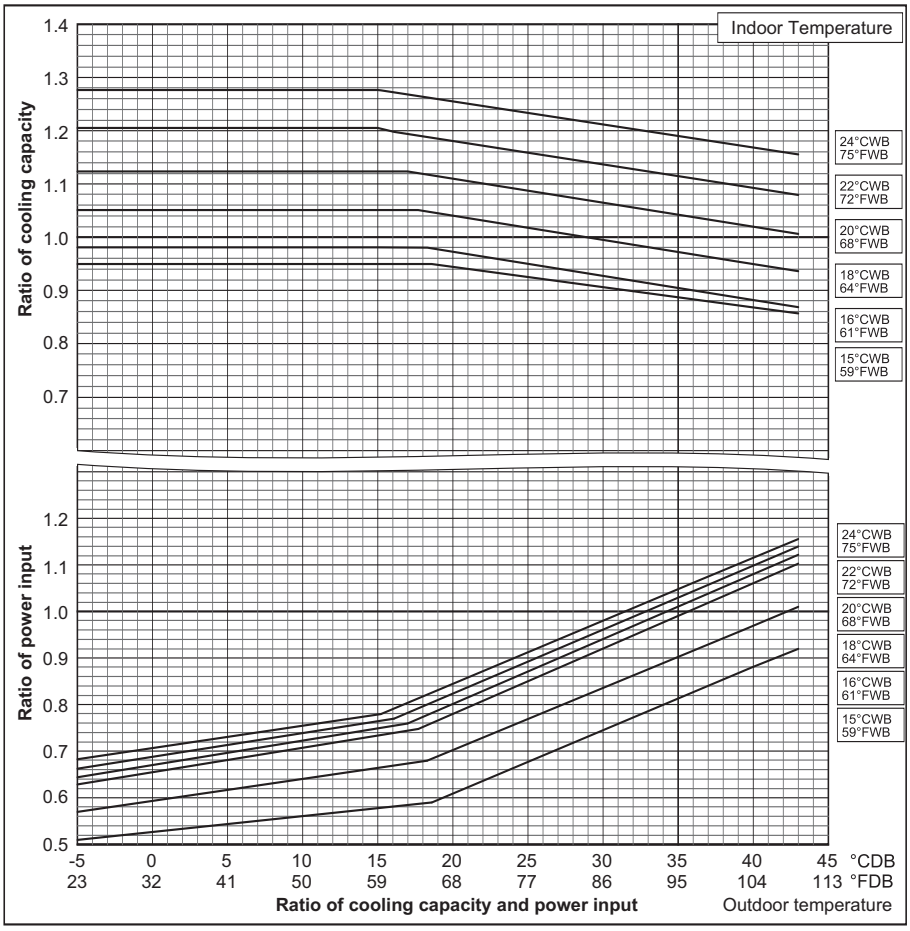
Ref:PUHY_YHM-A_CbTMP_EUDB_EP300-P400

6. CAPACITY TABLES

PUHY-		EP450YSHM-A	EP500YSHM-A
Nominal Cooling Capacity	kW	50.0	56.0
	BTU/h	170,600	191,100
Input	kW	13.15	13.46

PUHY-		EP550YSHM-A	EP600YSHM-A
Nominal Cooling Capacity	kW	63.0	69.0
	BTU/h	215,000	235,400
Input	kW	16.32	16.99

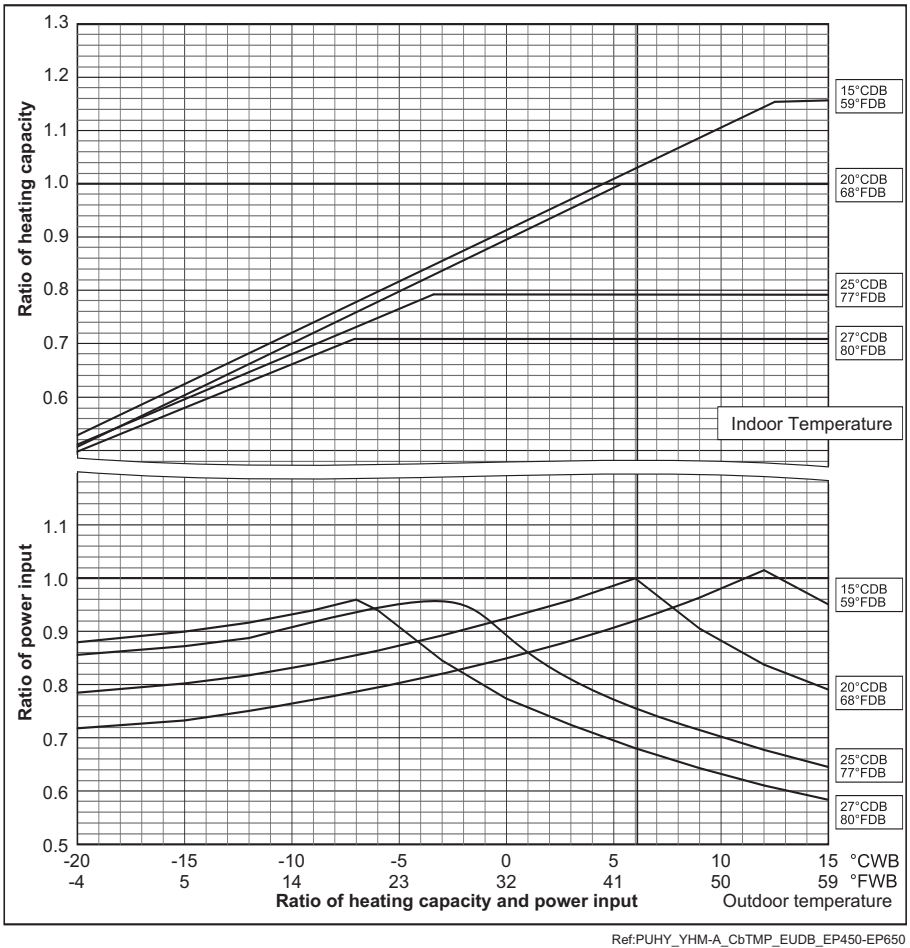
PUHY-		EP650YSHM-A
Nominal Cooling Capacity	kW	73.0
	BTU/h	249,100
Input	kW	18.34



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

PUHY-		EP550YSHM-A	EP600YSHM-A
Nominal Heating Capacity	kW	69.0	76.5
	BTU/h	235,400	261,000
Input	kW	17.12	18.93

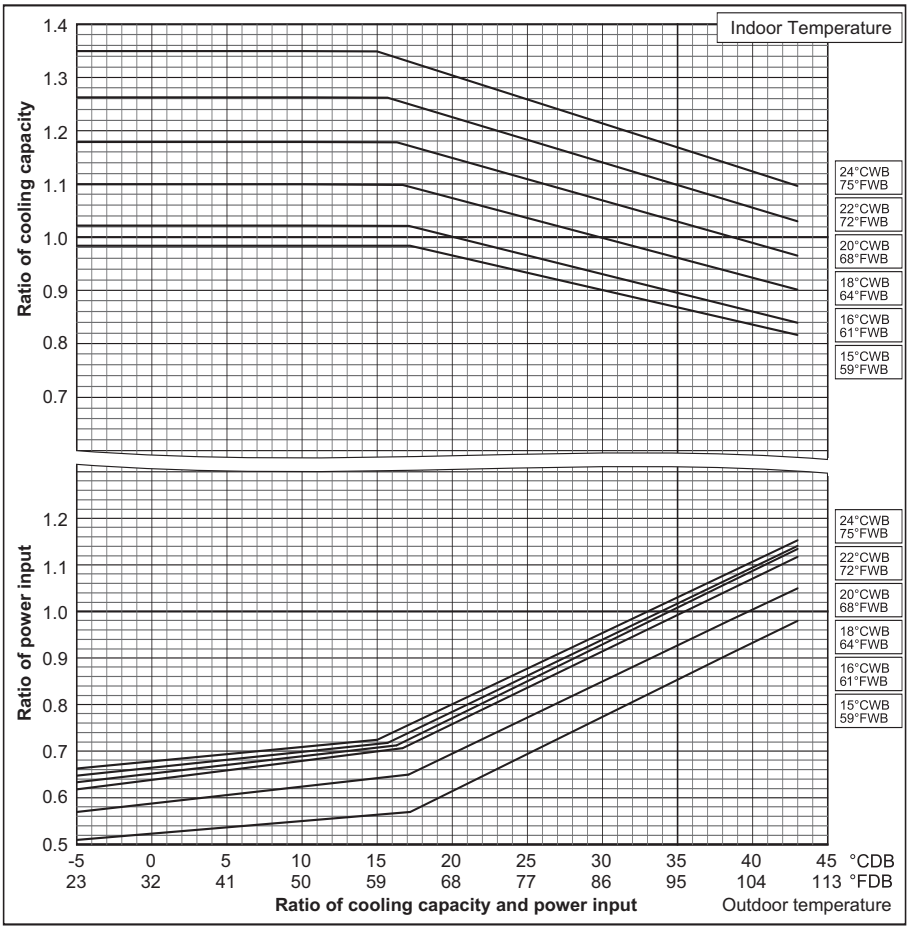
PUHY-		EP650YSHM-A
Nominal Heating Capacity	kW	81.5
	BTU/h	278,100
Input	kW	19.13



Ref:PUHY_YHM-A_CbTMP_EUDB_EP450-EP650

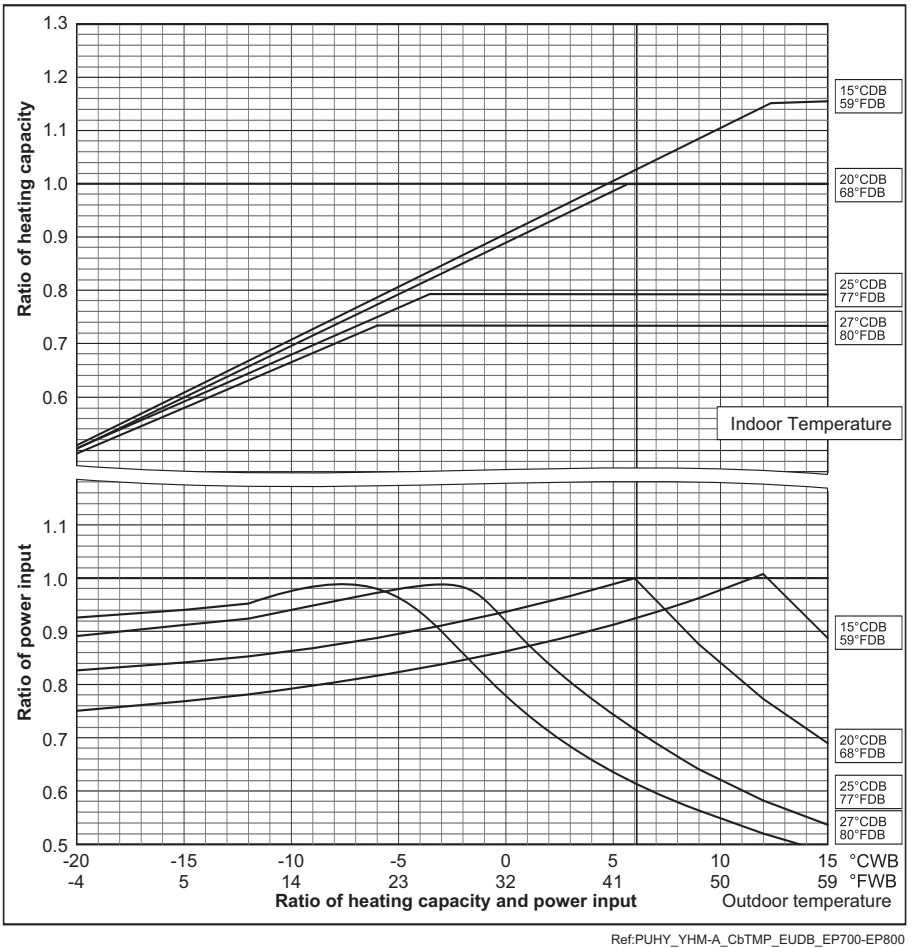
PUHY-		EP700YSHM-A	EP750YSHM-A
Nominal Cooling Capacity	kW	80.0	85.0
	BTU/h	273,000	290,000
Input	kW	20.99	21.79

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



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

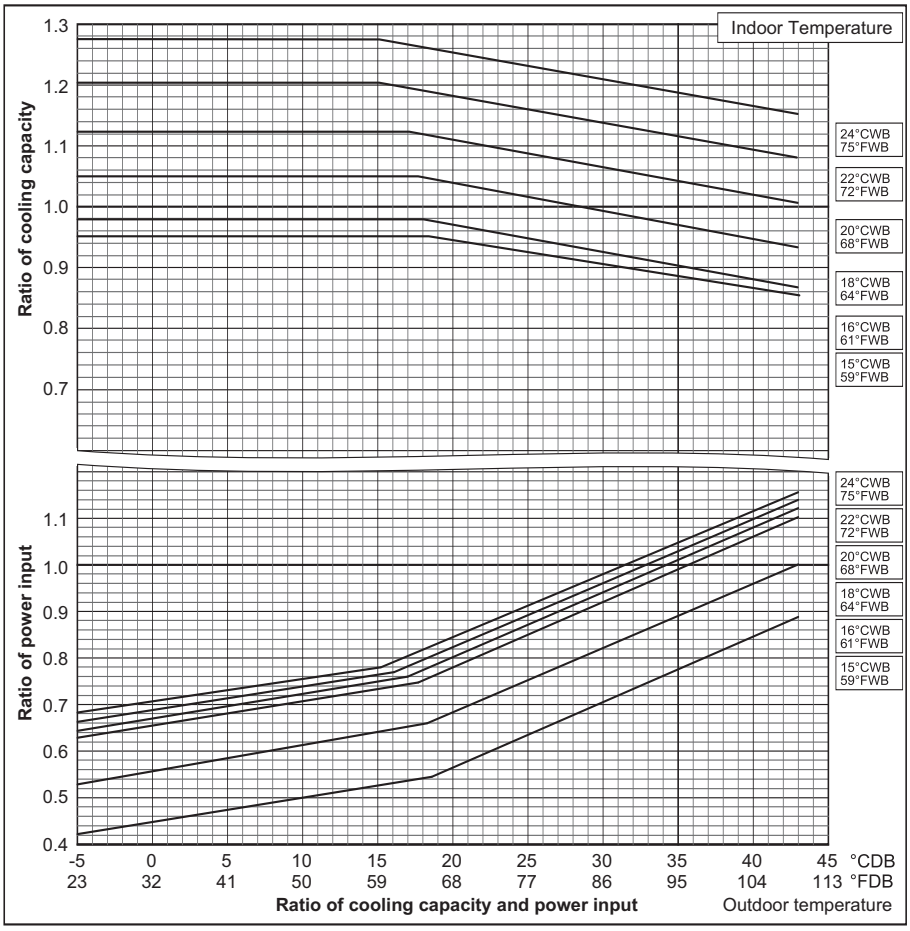
PUHY-		EP800YSHM-A
Nominal Heating Capacity	kW	100.0
	BTU/h	341,200
Input	kW	23.41



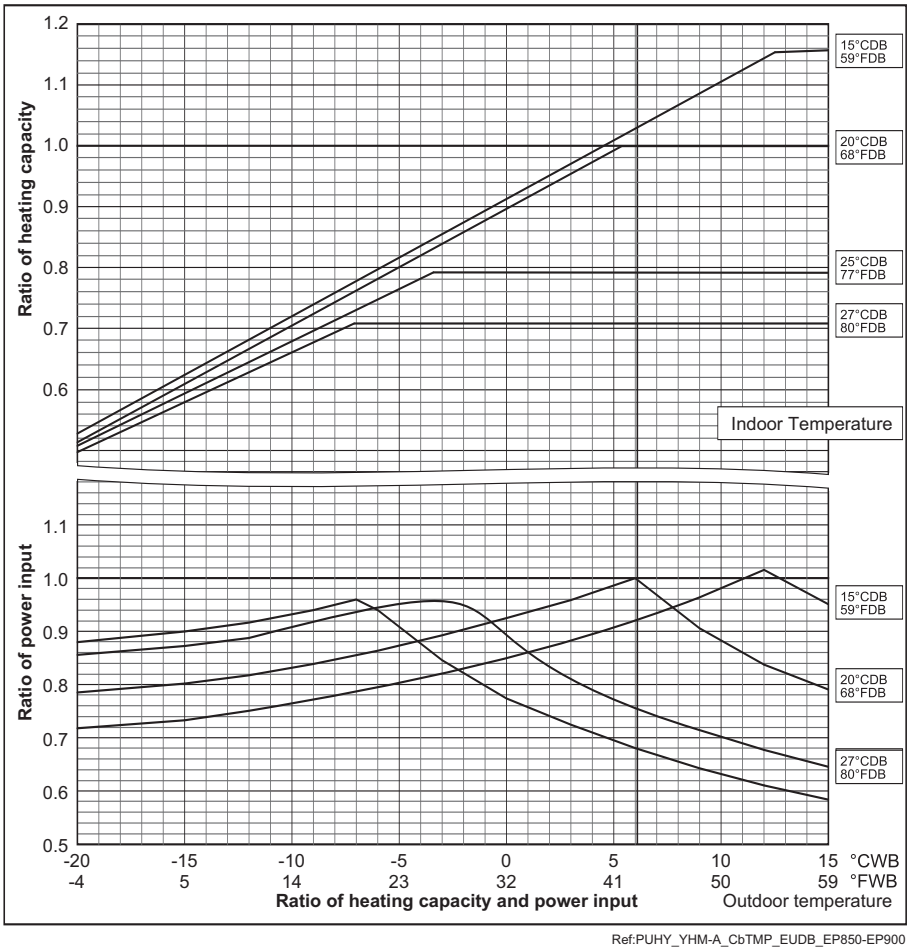
Ref:PUHY_YHM-A_CbTMP_EUDB_EP700-EP800

6. CAPACITY TABLES

PUHY-		EP850YSHM-A	EP900YSHM-A
Nominal Cooling Capacity	kW	96.0	101.0
	BTU/h	327,600	344,600
Input	kW	24.67	24.87



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

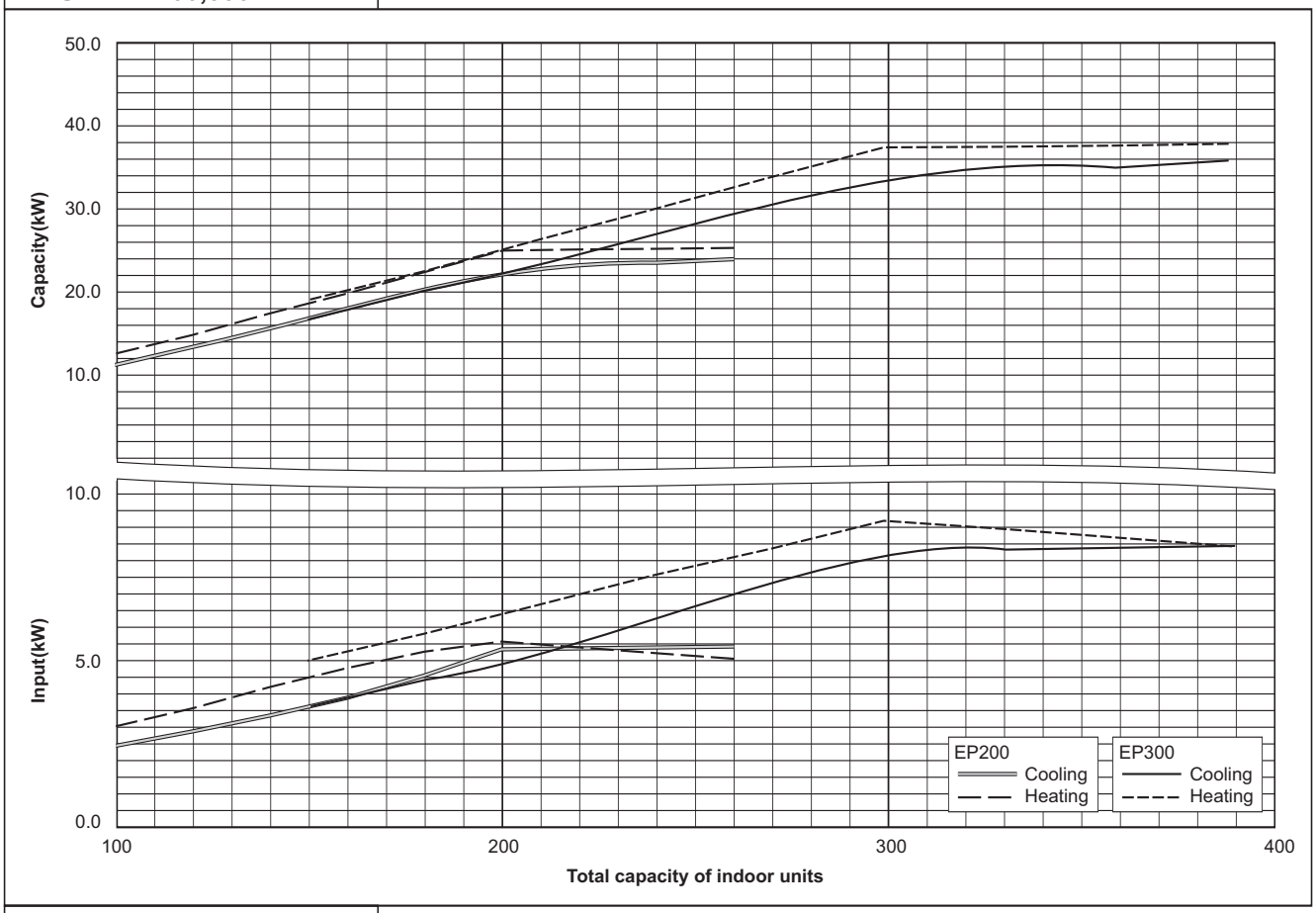


Ref:PUHY_YHM-A_CbTMP_EUDB_EP850-EP900

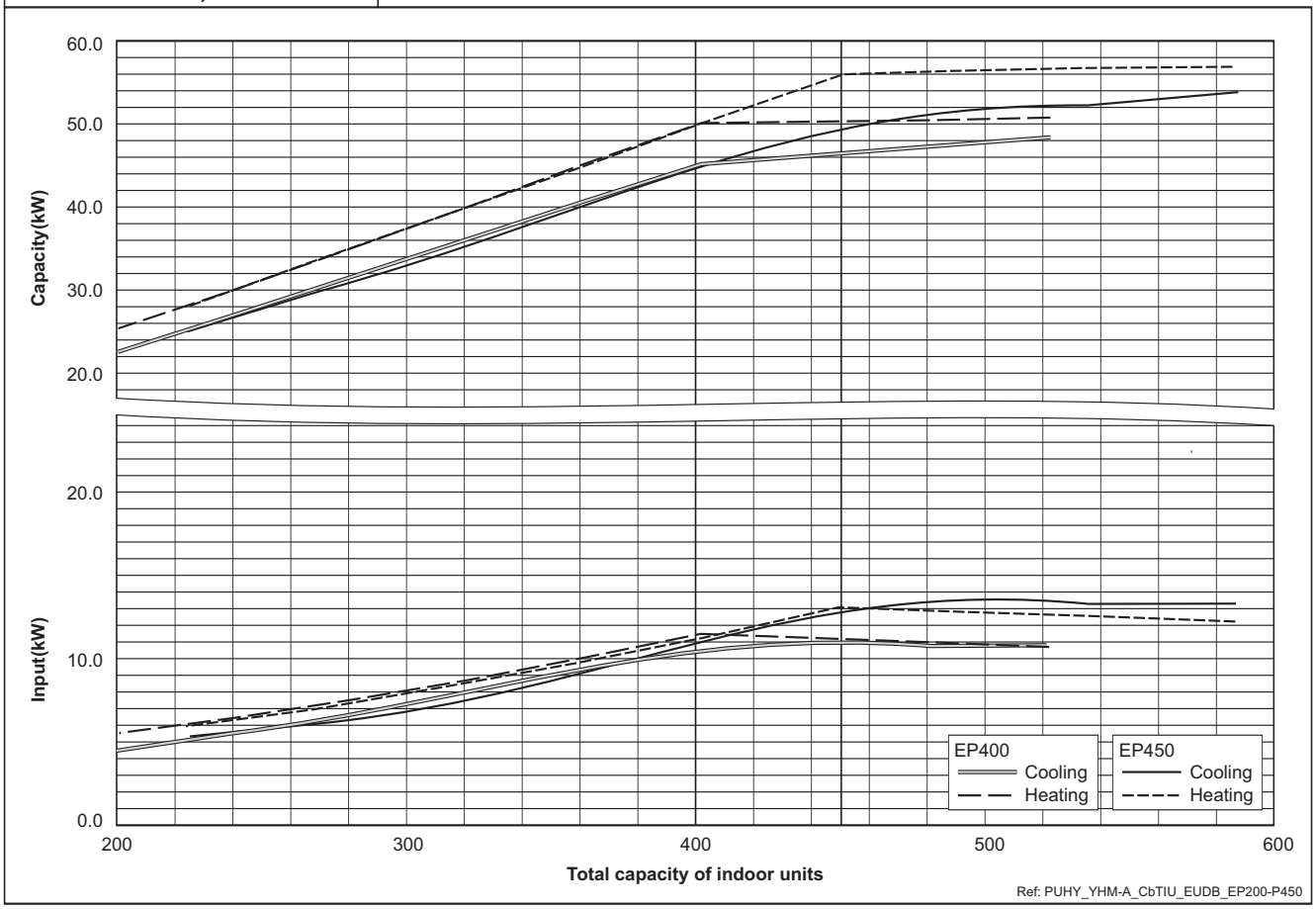
6-2. Correction by total indoor

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

PUHY-EP200,300YHM-A

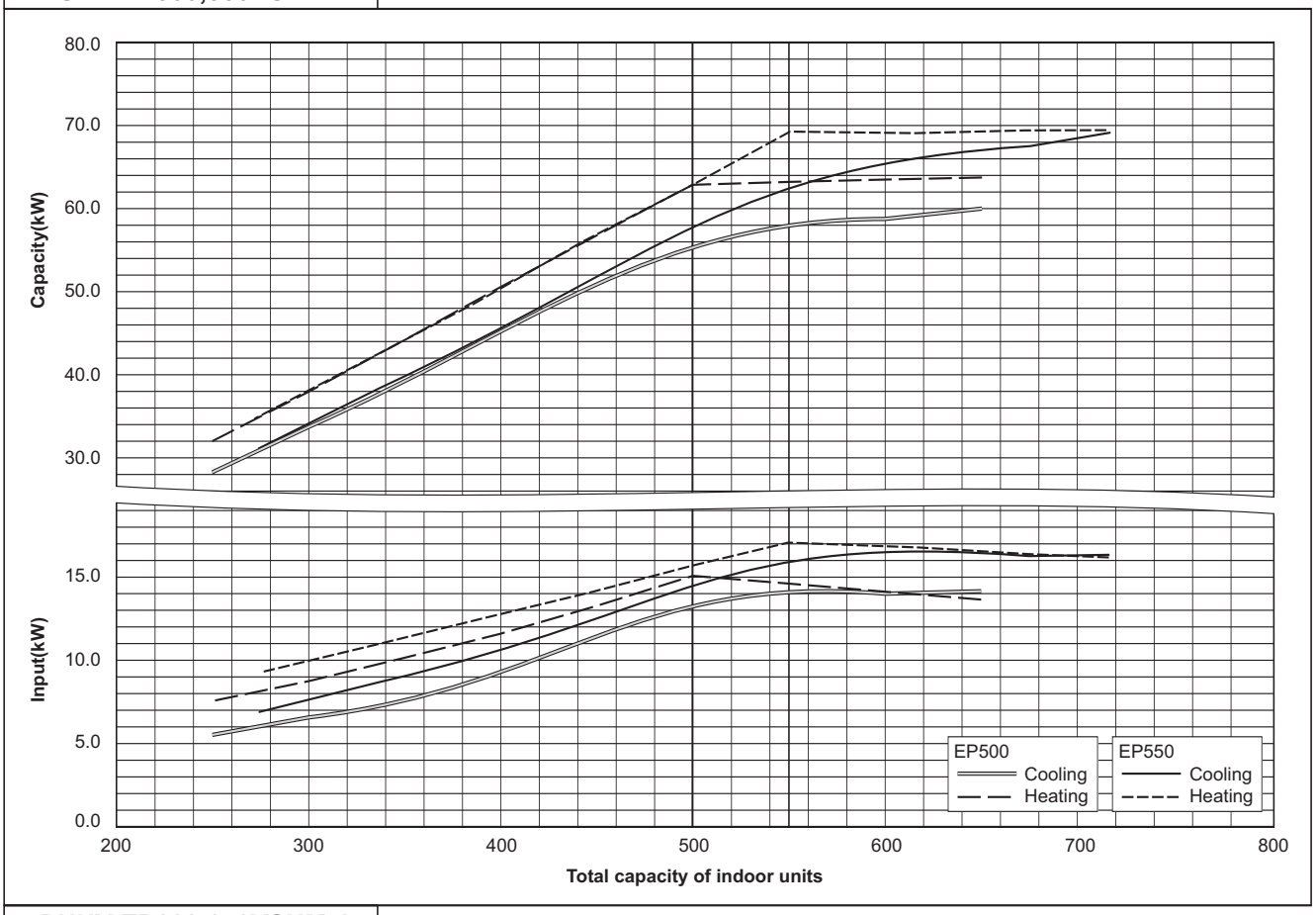


PUHY-EP400,450YSHM-A

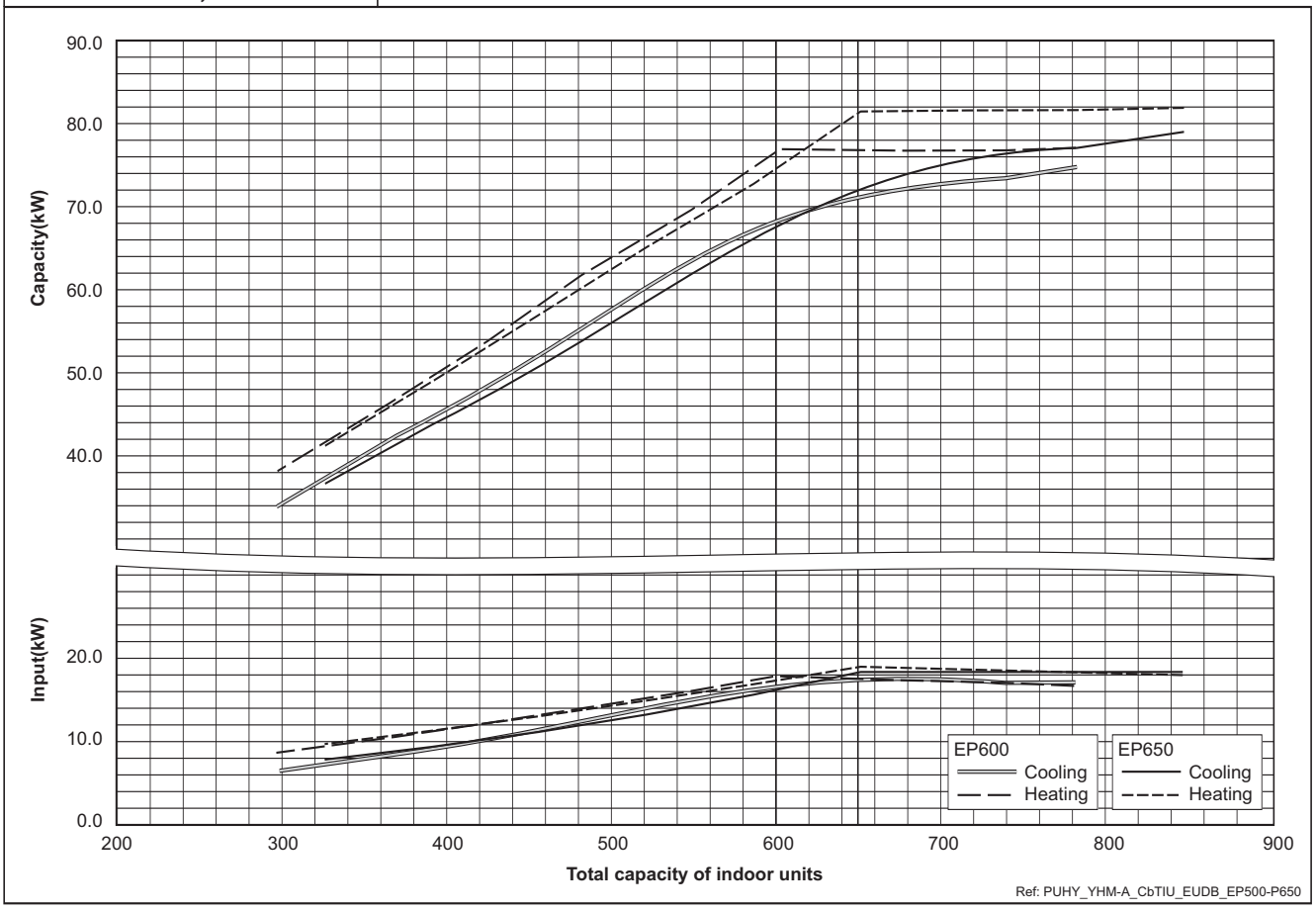


Ref: PUHY_YHM-A_CbTIU_EUDB_EP200-P450

PUHY-EP500,550YSHM-A

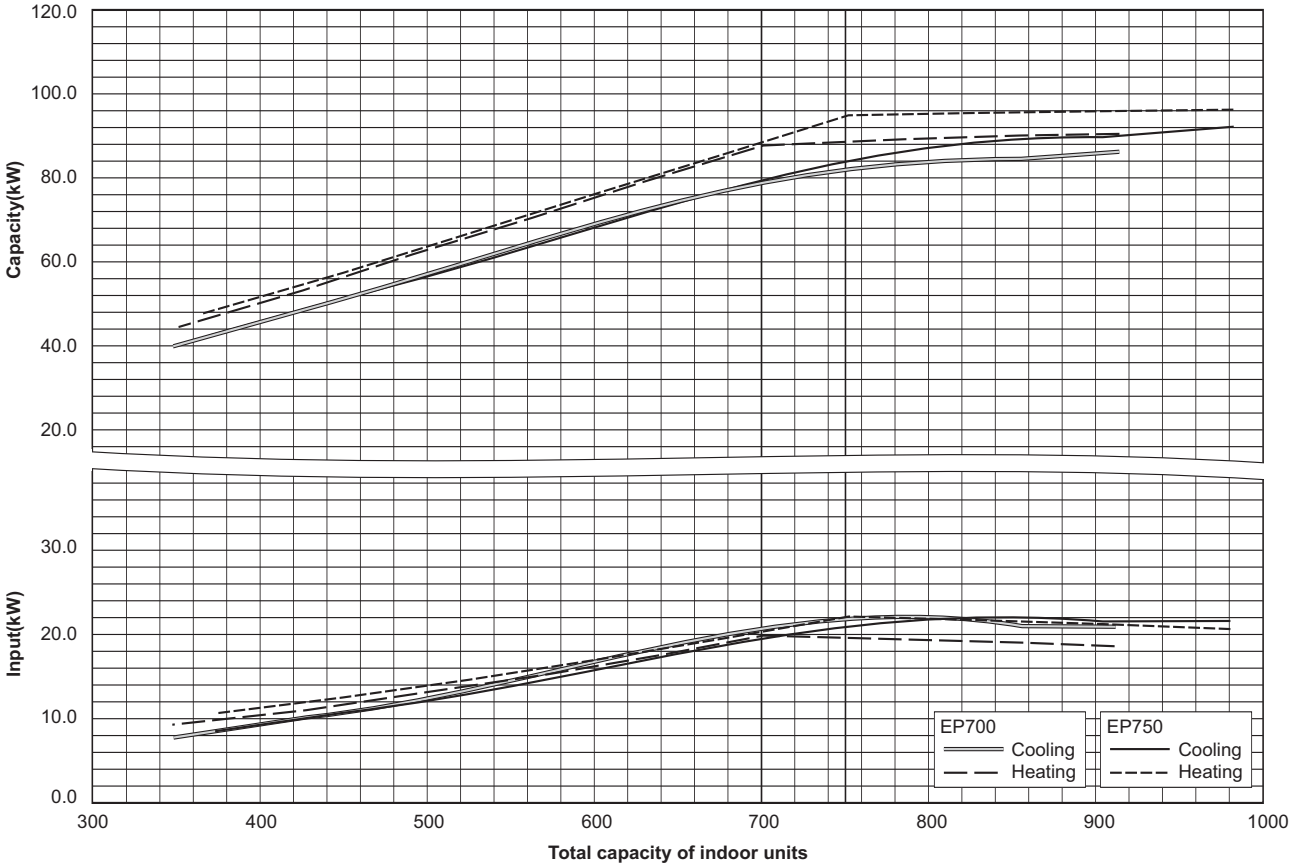


PUHY-EP600,650YSHM-A

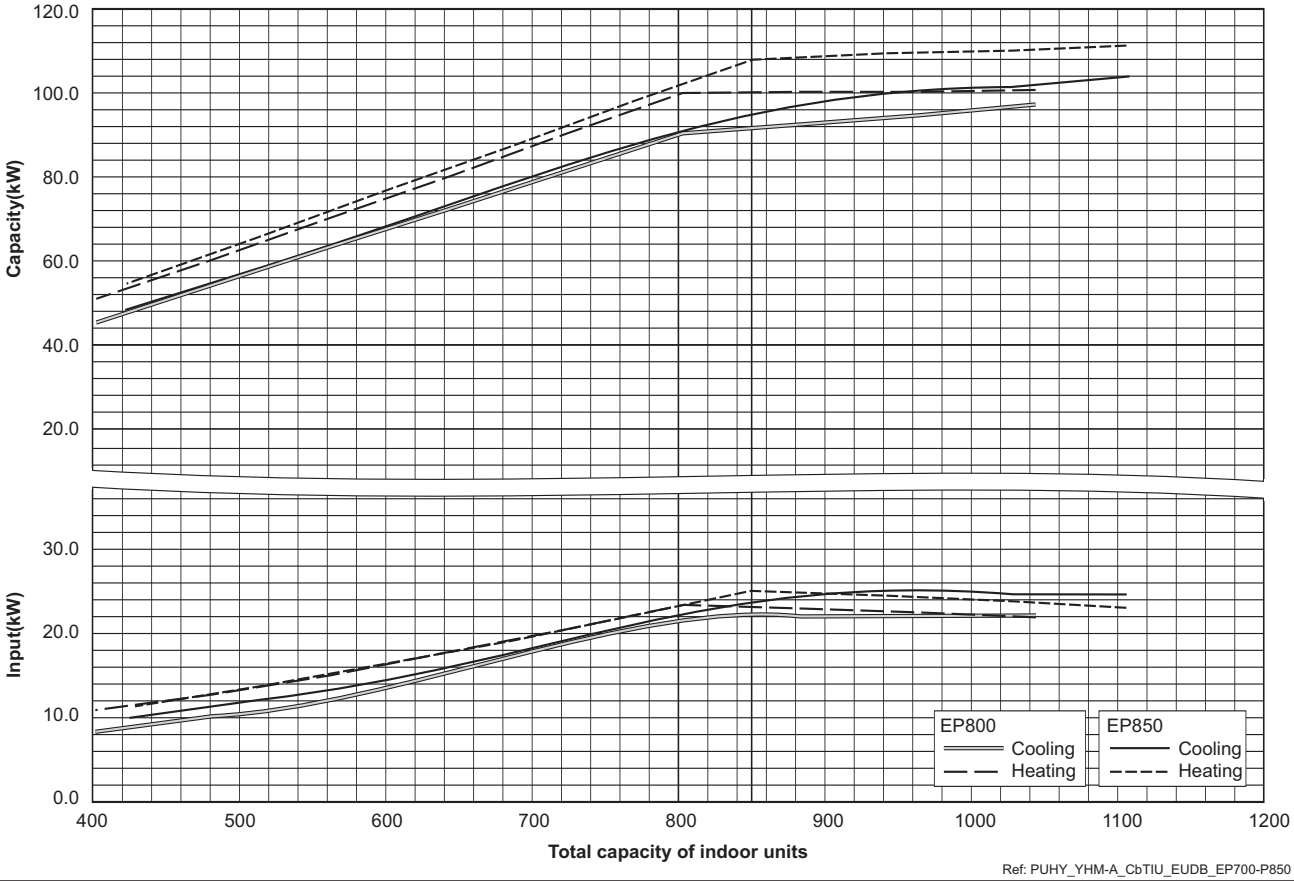


Ref: PUHY_YHM-A_CbTIU_EUDB_EP500-P650

PUHY-EP700,750YSHM-A

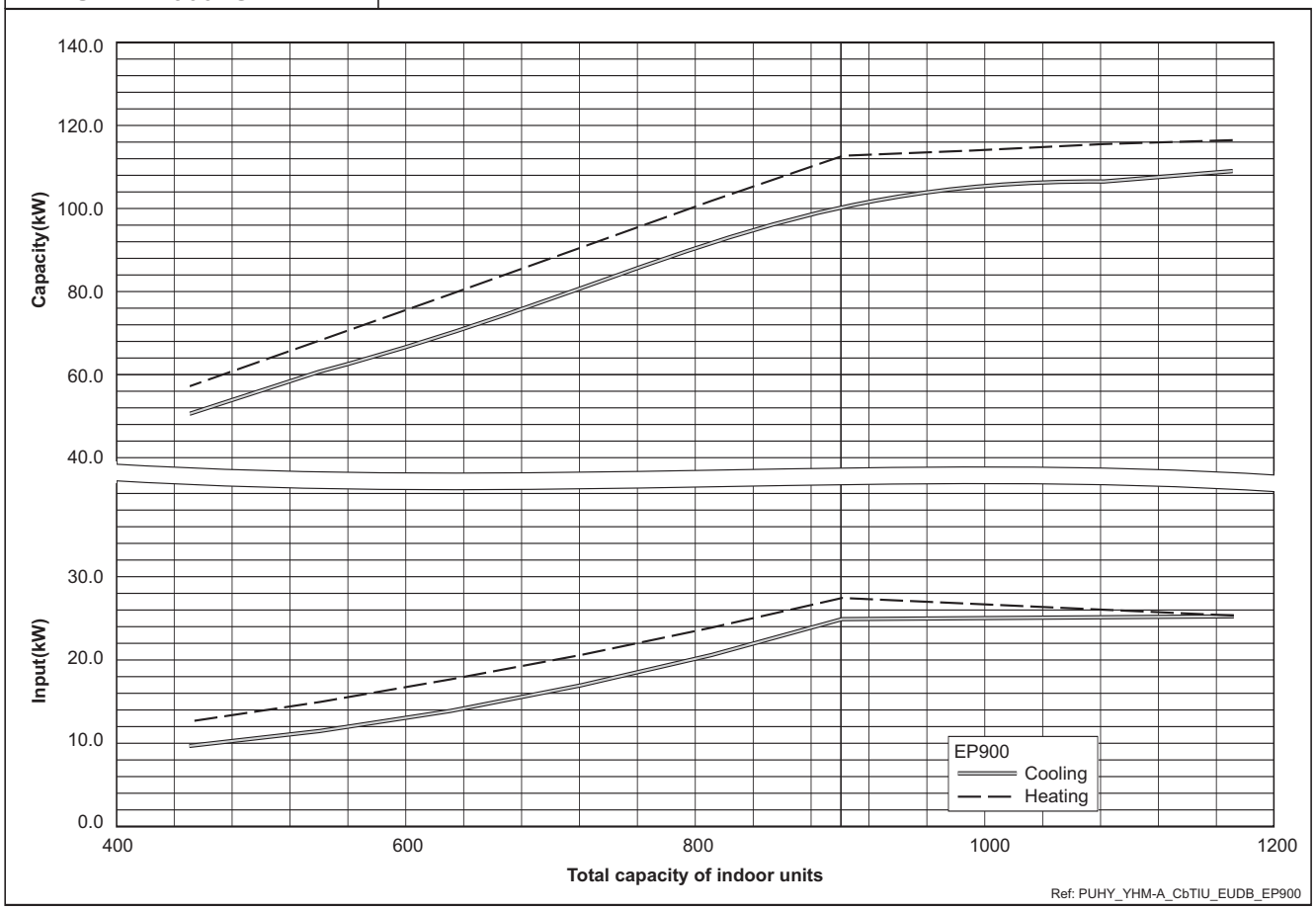


PUHY-EP800,850YSHM-A



Ref: PUHY_YHM-A_CbTIU_EUDB_EP700-P850

PUHY-EP900YSHM-A

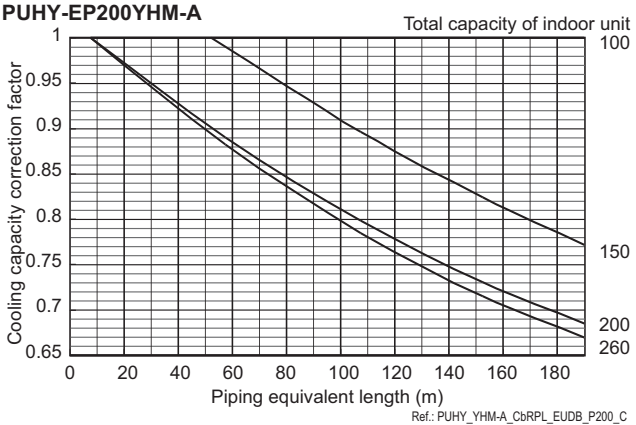


6-3. Correction by refrigerant piping length

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

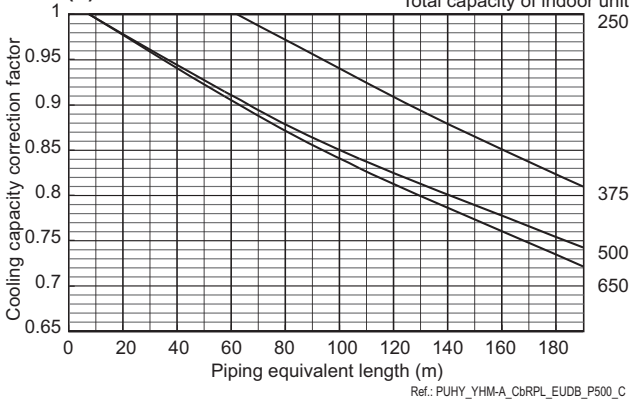
6-3-1. Cooling capacity correction

PUHY-EP200YHM-A



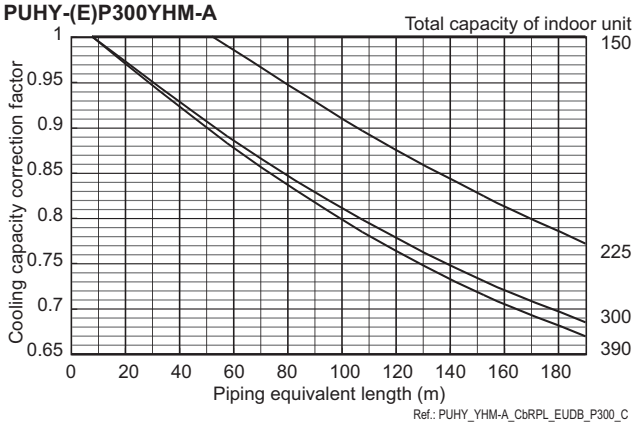
Ref.: PUHY_YHM-A_CbRPL_EUDB_P200_C

PUHY-(E)P500YSHM-A



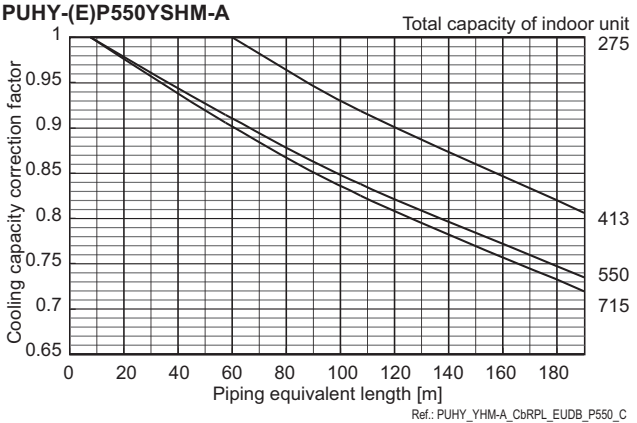
Ref.: PUHY_YHM-A_CbRPL_EUDB_P500_C

PUHY-(E)P300YHM-A



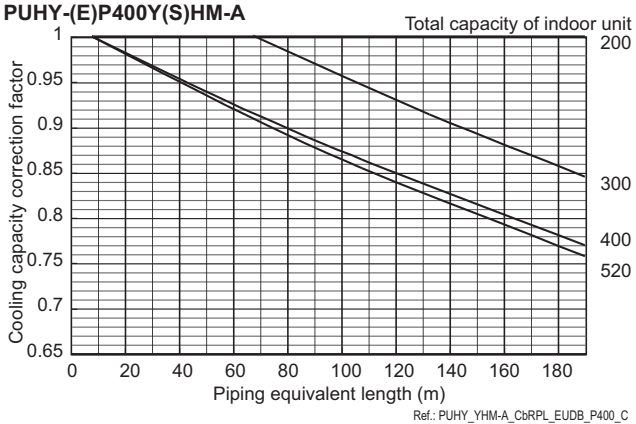
Ref.: PUHY_YHM-A_CbRPL_EUDB_P300_C

PUHY-(E)P550YSHM-A



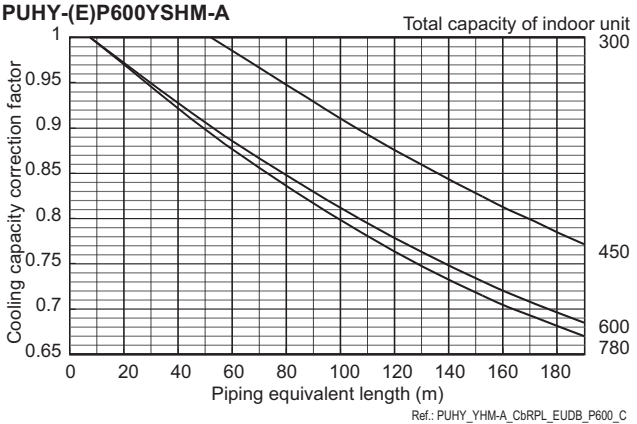
Ref.: PUHY_YHM-A_CbRPL_EUDB_P550_C

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



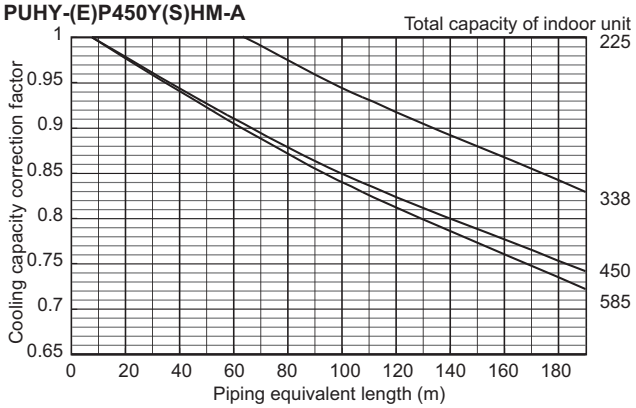
Ref.: PUHY_YHM-A_CbRPL_EUDB_P400_C

PUHY-(E)P600YSHM-A



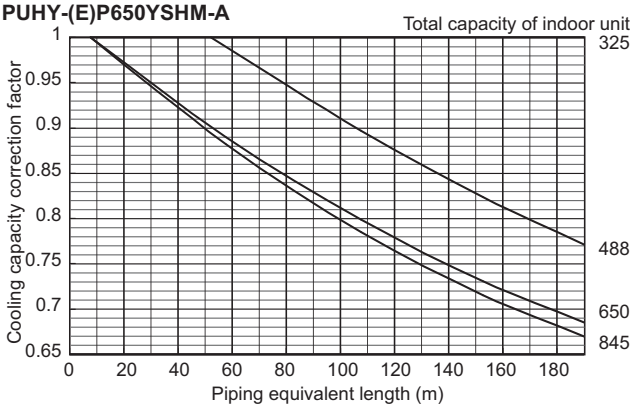
Ref.: PUHY_YHM-A_CbRPL_EUDB_P600_C

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



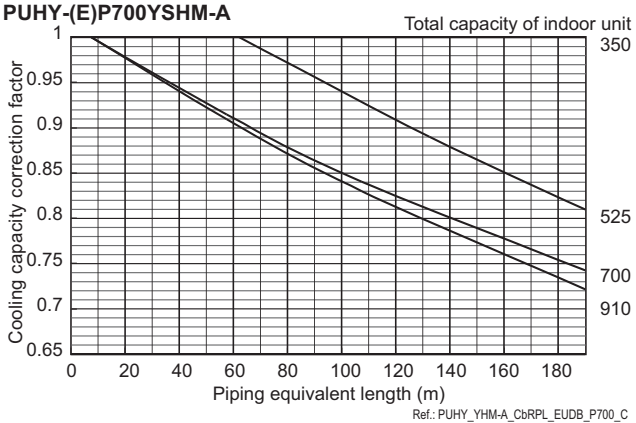
Ref.: PUHY_YHM-A_CbRPL_EUDB_P450_C

PUHY-(E)P650YSHM-A



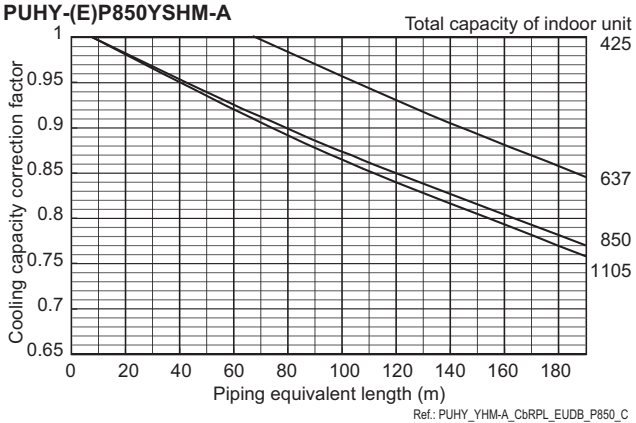
Ref.: PUHY_YHM-A_CbRPL_EUDB_P650_C

PUHY-(E)P700YSHM-A



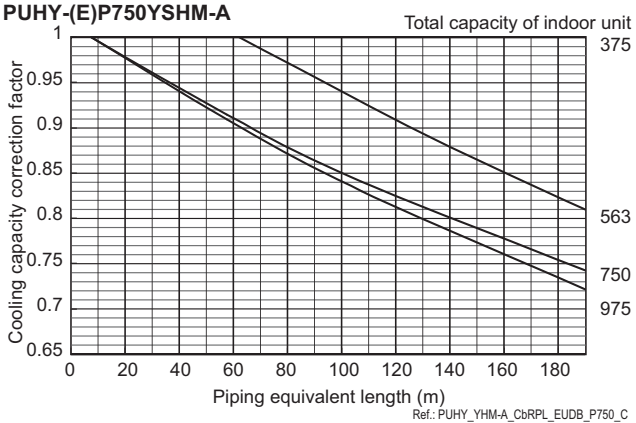
Ref.: PUHY_YHM-A_CbRPL_EUDB_P700_C

PUHY-(E)P850YSHM-A



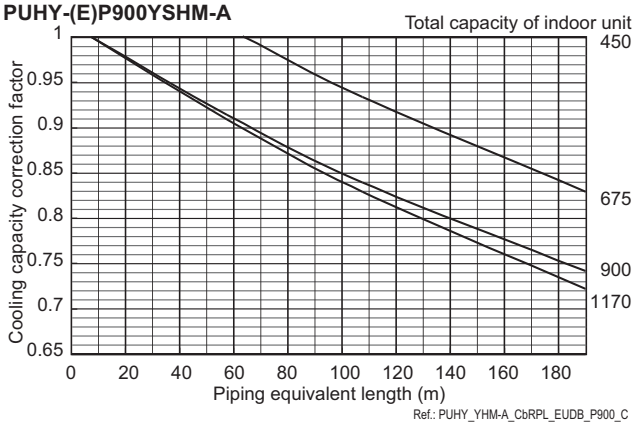
Ref.: PUHY_YHM-A_CbRPL_EUDB_P850_C

PUHY-(E)P750YSHM-A



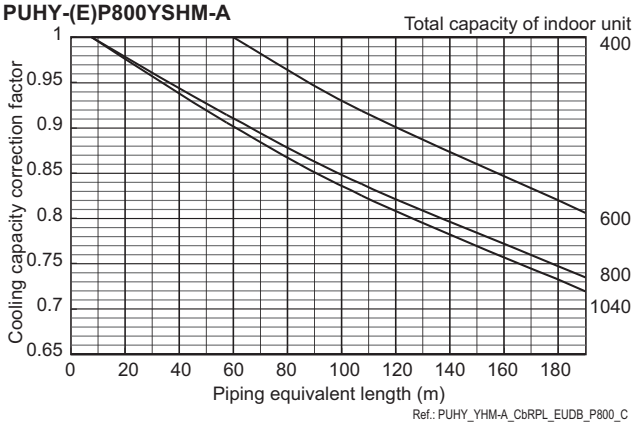
Ref.: PUHY_YHM-A_CbRPL_EUDB_P750_C

PUHY-(E)P900YSHM-A



Ref.: PUHY_YHM-A_CbRPL_EUDB_P900_C

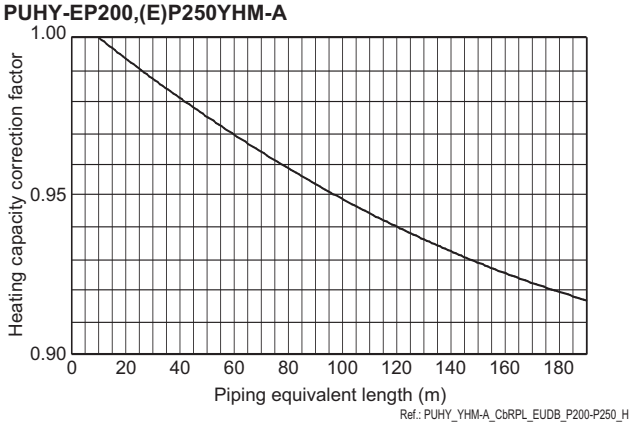
PUHY-(E)P800YSHM-A



Ref.: PUHY_YHM-A_CbRPL_EUDB_P800_C

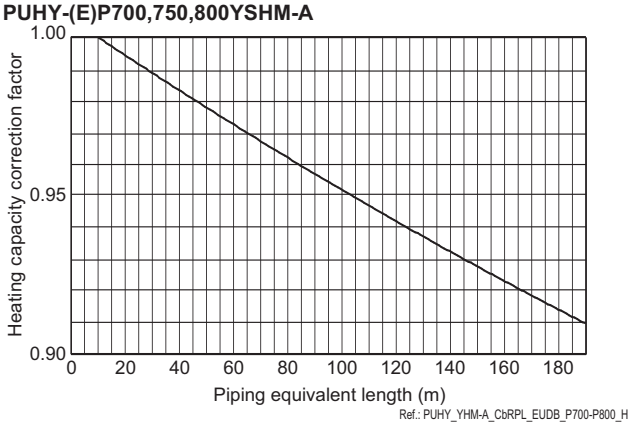
6-3-2. Heating capacity correction

PUHY-EP200,(E)P250YHM-A



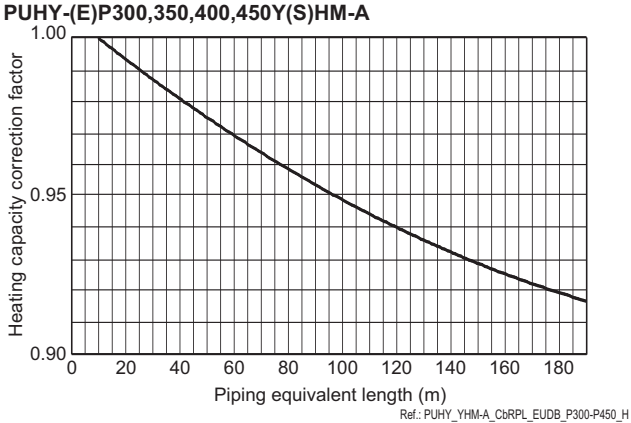
Ref.: PUHY_YHM-A_CbRPL_EUDB_P200-P250_H

PUHY-(E)P700,750,800YSHM-A



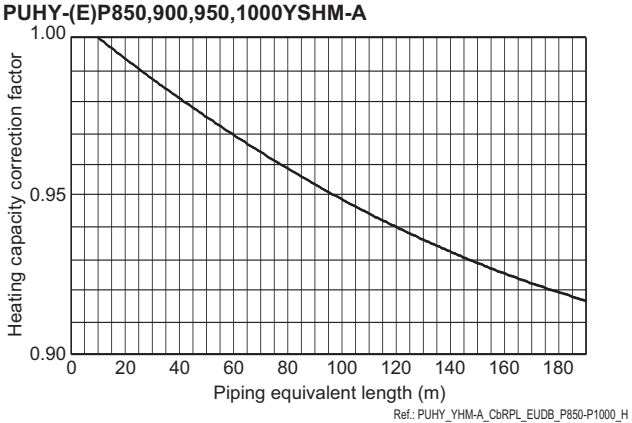
Ref.: PUHY_YHM-A_CbRPL_EUDB_P700-P800_H

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



Ref.: PUHY_YHM-A_CbRPL_EUDB_P300-P450_H

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



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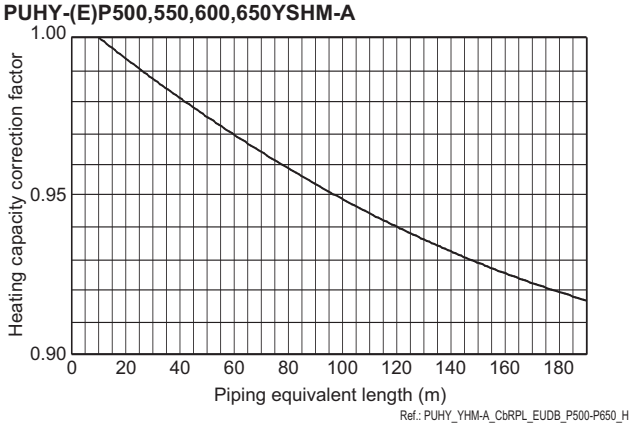
PUHY-(E)P500,550,600,650YSHM-A



Ref.: PUHY_YHM-A_CbRPL_EUDB_P500-P650_H

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

1 **PUHY-EP200YHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bent on the piping) m

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

3 **PUHY-P350YHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bent on the piping) m

4 **PUHY-(E)P400,450YHM, 500,550,600,650YSHM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bent on the piping) m

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

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

Ref: PUHY_YHM-A_EqPLTH_EUDB_ALL

6-4. Correction at frosting and defrosting

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

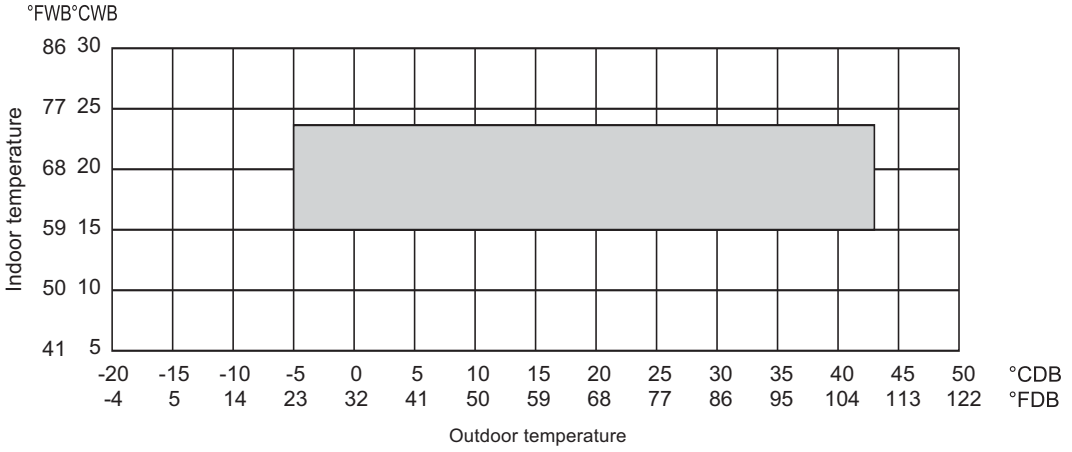
Table of correction factor at frosting and defrosting

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

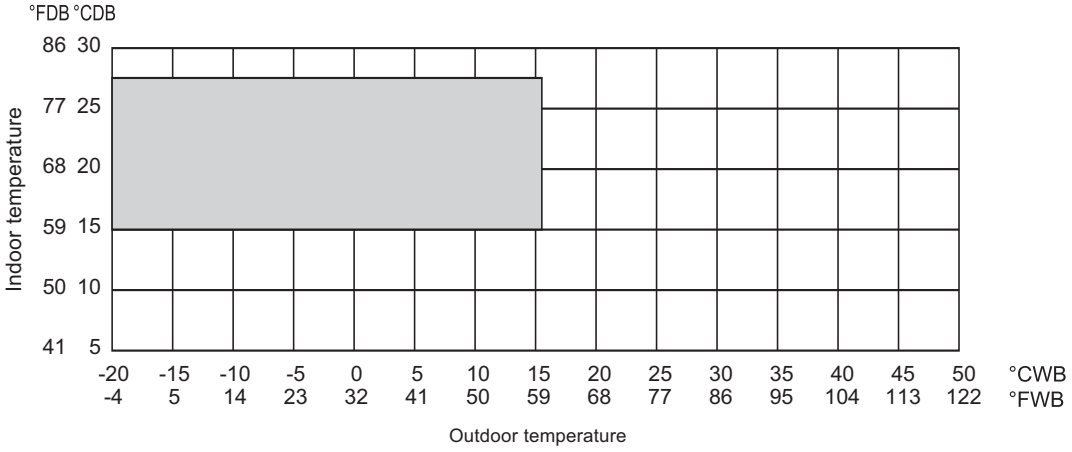
Ref: PUHY_YHM-A_CbFROST_EUDB_ALL

6-5. Temp. range of running

• Cooling



• Heating



Ref.: PUHY_YHM-A_TMPRNG_EUDB_ALL

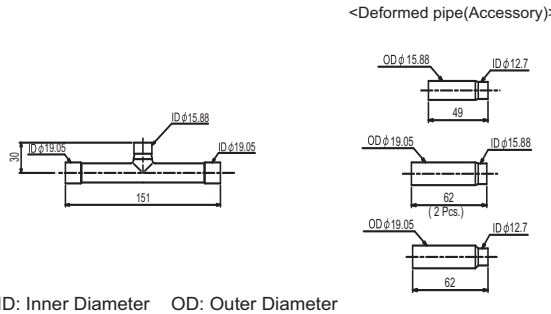
7-1. JOINT

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

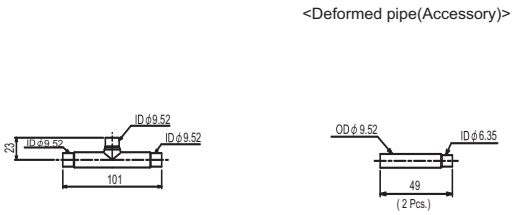
CMY-Y102S-G2

Ref.: CMY_Y102S_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

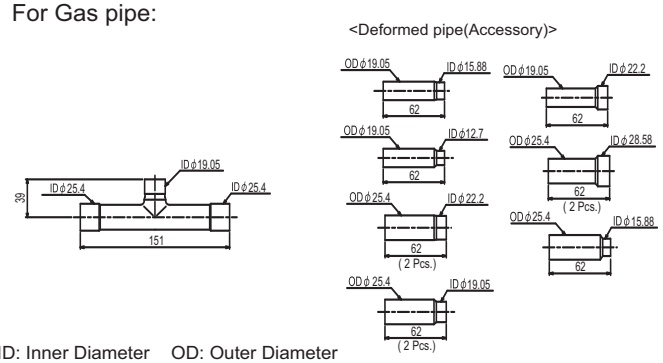


ID: Inner Diameter OD: Outer Diameter

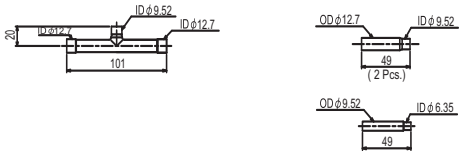
CMY-Y102L-G2

Ref.: CMY_Y102L_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

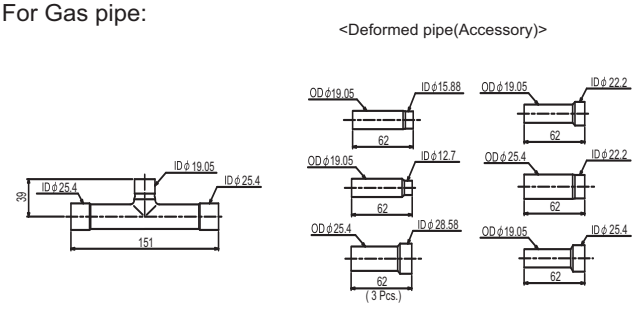


ID: Inner Diameter OD: Outer Diameter

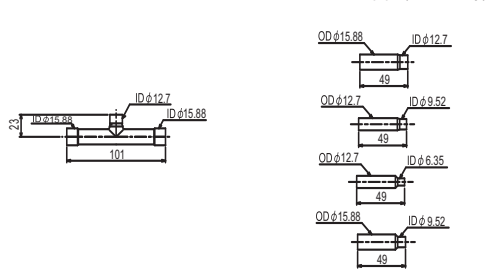
CMY-Y202-G2

Ref.: CMY_Y202_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:

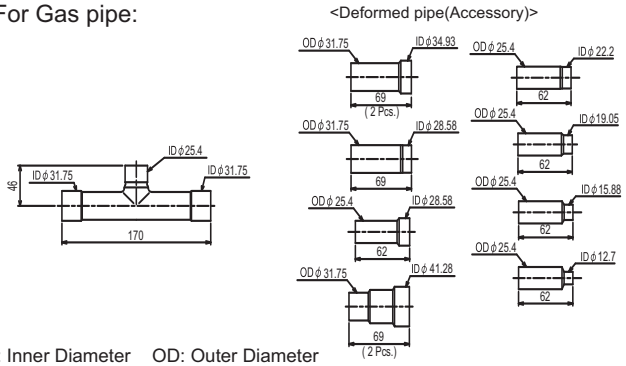


ID: Inner Diameter OD: Outer Diameter

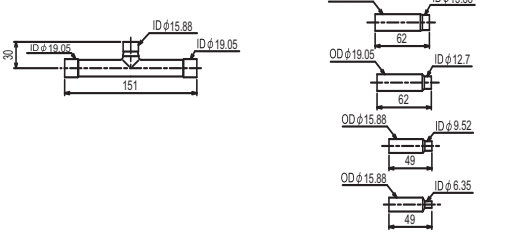
CMY-Y302-G2

Ref.: CMY_Y302_G2_EXD_EUDB_SI
mm

For Gas pipe:



For Liquid pipe:



ID: Inner Diameter OD: Outer Diameter

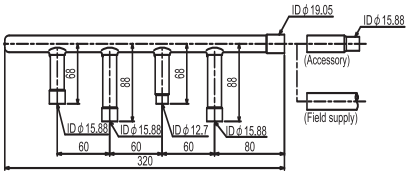
7-2. HEADER

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

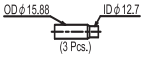
CMY-Y104-G

Ref.: CMY_Y104-G_EXD_EUDB_SI.
mm

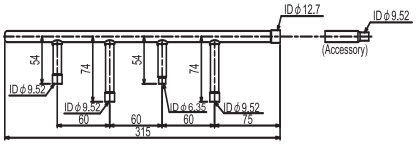
For Gas pipe:



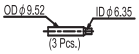
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>

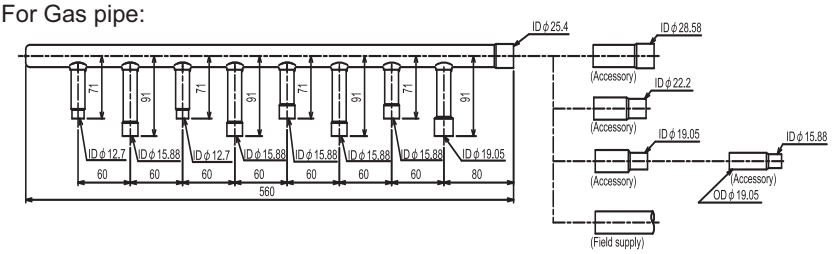


ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of φ6.35, φ9.52, φ12.7, φ15.88 (each diameter 1 piece) are included in the Header set.

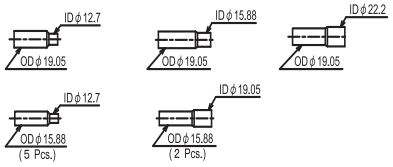
CMY-Y108-G

Ref.: CMY_Y108-G_EXD_EUDB_SI
mm

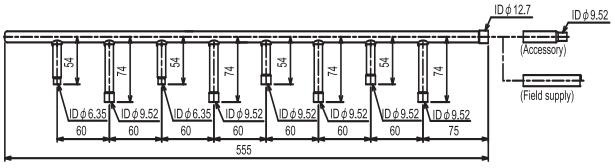
For Gas pipe:



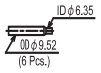
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>

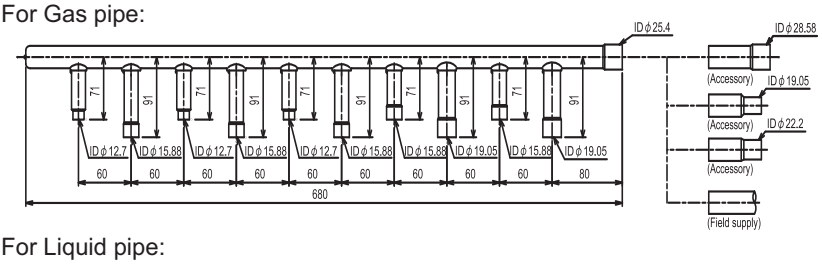


ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of φ6.35, φ9.52, φ12.7, φ15.88 (each diameter 2 pieces) and 1 cap for pipe of φ19.05 are included in the Header set.

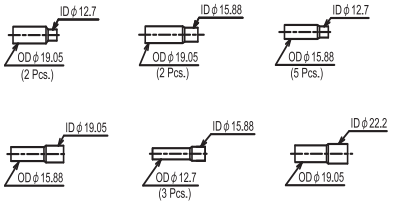
CMY-Y1010-G

Ref.: CMY_Y1010-G_EXD_EUDB_SI
mm

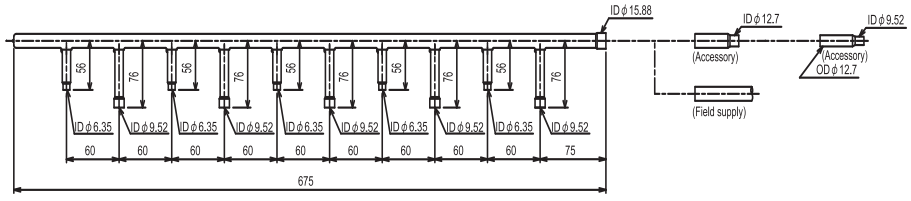
For Gas pipe:



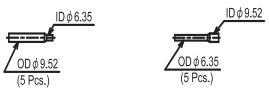
<Deformed pipe(Accessory)>



For Liquid pipe:



<Deformed pipe(Accessory)>



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

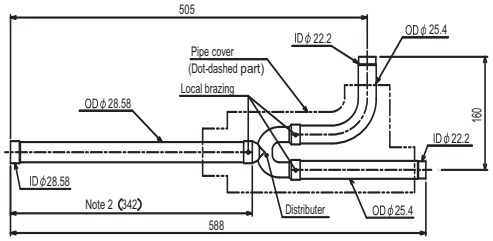
7-3. OUTDOOR TWINNING KIT

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

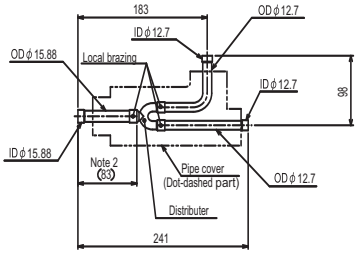
CMY-Y100VBK2

Ref.: CMY_Y100VBK2_EXD_EUDB_SI
mm

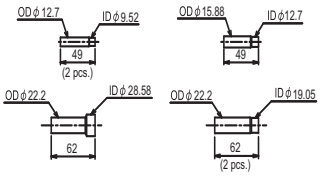
For Gas pipe:



For Liquid pipe:



<Deformed pipe(Accessory)>

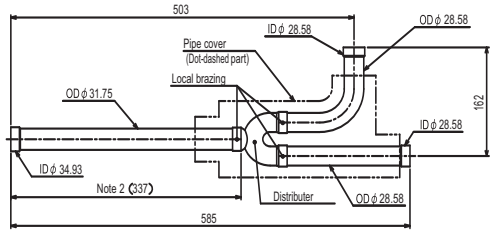


ID: Inner Diameter OD: Outer Diameter

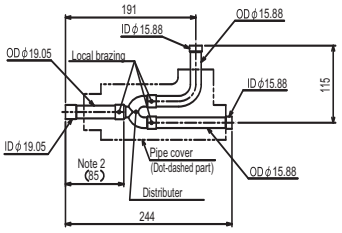
CMY-Y200VBK2

Ref.: CMY_Y200VBK2_EXD_EUDB_SI
mm

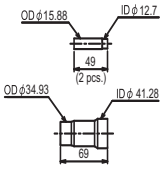
For Gas pipe:



For Liquid pipe:



<Deformed pipe(Accessory)>

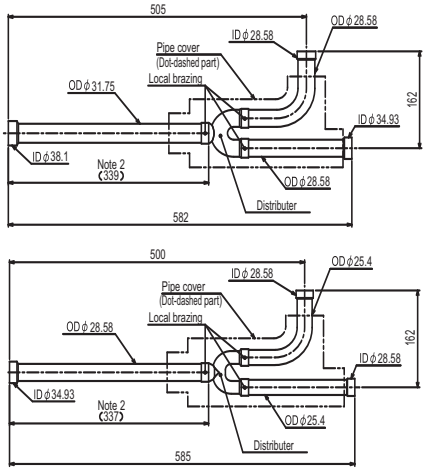


ID: Inner Diameter OD: Outer Diameter

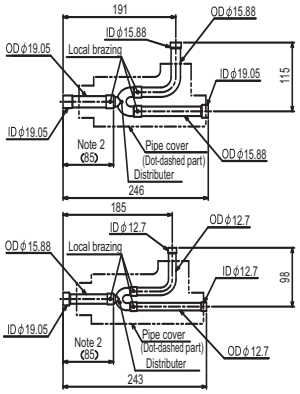
CMY-Y300VBK2

Ref.: CMY_Y300VBK2_EXD_EUDB_SI
mm

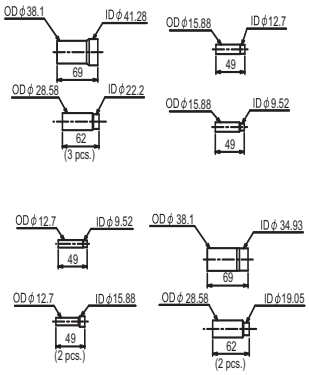
For Gas pipe:



For Liquid pipe:

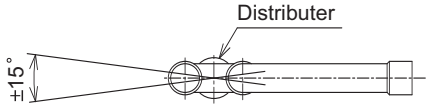


<Deformed pipe(Accessory)>



ID: Inner Diameter OD: Outer Diameter

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



The angle of the branch pipe is within ±15˚against the ground.

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