

OUTDOOR UNITS

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1. SPECIFICATIONS

DATA U4

1-1. PUHY-P72~360T(S)HMU-A SPECIFICATIONS

Model			PUHY-P72THMU-A(-BS)		PUHY-P96THMU-A(-BS)		
Power source			3-phase 3-wire 208 / 230V 10% 60Hz		3-phase 3-wire 208 / 230V 10% 60Hz		
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		
		kW	21.1		28.1		
		Power input	kW	5.27 *3		8.42 *3	
		Current input (208 / 230)	A	16.2 / 14.6 *3		25.9 / 23.4 *3	
Temp. range of cooling		Indoor	W.B.	59 to 75degF(15 to 24degC)		59 to 75degF(15 to 24degC)	
		Outdoor	D.B.	23 to 109degF(-5 to 43degC)		23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		
		kW	23.4		31.7		
		Power input	kW	5.68 *3		8.63 *3	
		Current input (208 / 230)	A	17.5 / 15.8 *3		26.6 / 24.0 *3	
Temp. range of heating		Indoor	D.B.	59 to 81degF(15 to 27degC)		59 to 81degF(15 to 27degC)	
		Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		-4 to 60degF(-20 to 15.5degC)	
Indoor unit connectable		Total capacity		50 to 130 % of outdoor unit capacity		50 to 130 % of outdoor unit capacity	
		Model / Quantity		P06 to P96 / 1 to 15		P06 to P96 / 1 to 20	
Sound pressure level (measured in anechoic room)		dB <A>	58.0		58.0		
Refrigerant piping diameter		Liquid pipe	in. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed (1/2"(12.7) Brazed,total length >= 295" [90m])	
		Gas pipe	in. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
Fan		Type x Quantity		Propeller fan x 1		Propeller fan x 1	
		Air flow rate	cfm	7,050		7,050	
			m³ / min	200		200	
			L/s	3,330		3,330	
		Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
		Motor output	kW	0.92		0.92	
		External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
		Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
		Operating Range		18-100%		13-100%	
		Starting method		Inverter		Inverter	
		Motor output	kW	5.1		6.8	
		Case heater	kW	0.051(230 V)		0.051(230 V)	
		Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"		
		mm	1,650 x 920 x 760		1,650 x 920 x 760		
Protection devices		High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
		Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
		Inverter		Over-heat protection, Over-current protection		Over-heat protection,Over-current protection	
Refrigerant		Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)	
		Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	441(200)		441(200)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure		
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing		External		KB94L642		KB94L642	
		Wiring		WKE94C207X01			
		Refrigerant cycle		-		-	
Standard attachment		Document		Installation Manual		Installation Manual	
		Accessory		Refrigerant conn. pipe		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102S/L-G2		Joint: CMY-Y102S/L-G2		
			Header: CMY-Y104/108/1010-G		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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.				

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal = kW x 860 BTU/h = kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm = m ³ /min x 35.31 lb = kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72THMU: MCA = 23 / 21A; Max. Fuse Size: 30 / 30A.
PUHY-P96THMU: MCA = 35 / 32A; Max. Fuse Size: 40 / 40A.

1. SPECIFICATIONS

DATA U4

Model			PUHY-P120THMU-A(-BS)
Power source			3-phase 3-wire 208 / 230V 10% 60Hz
Cooling capacity (Nominal) *1		BTU / h	120,000
		kW	35.2
	Power input	kW	10.11 *3
	Current input (208 / 230)	A	31.1 / 28.1 *3
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)
Heating capacity (Nominal) *2		BTU / h	120,000
		kW	35.2
	Power input	kW	9.26 *3
	Current input (208 / 230)	A	28.5 / 25.8 *3
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 26
Sound pressure level (measured in anechoic room)		dB <A>	60.0
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8"(9.52) Brazed (1/2"(12.7) Brazed,total length >= >= 131' [40m])
	Gas pipe	in. (mm)	7/8"(22.2) Brazed
Fan	Type x Quantity		Propeller fan x 1
	Air flow rate	cfm	7,950
		m³ / min	225
		L/s	3,750
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92
	External static pressure *4		0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Operating Range		18-100%
	Starting method		Inverter
	Motor output	kW	8.8
	Case heater	kW	0.057(230 V)
	Lubricant		MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D	in.	64-31/32" x 48-1/16" x 29-15/16"	
	mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit
Net weight	lbs (kg)		541(245)
Heat exchanger			Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		KB94L643
	Wiring		WKE94C208X01
	Refrigerant cycle		-
Standard attachment	Document		Installation Manual
	Accessory		Refrigerant conn. Pipe
Optional parts			Joint: CMY-Y102S/L-G2
			Header: CMY-Y104/108/1010-G
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section. p. 293.		

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h =kW x 3,412
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	cfm =m ³ /min x 35.31
Level difference:	0ft.(0m)	0ft.(0m)	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.

1. SPECIFICATIONS

DATA U4

Y-SERIES
(208 / 230V)

Model			PUHY-P144TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000	
		kW	42.2	
	Power input	kW	10.87 *3	
	Current input (208 / 230)	A	33.5 / 30.3 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	160,000	
		kW	46.9	
	Power input	kW	11.69 *3	
	Current input (208 / 230)	A	36.0 / 32.6 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 31	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1/2"(12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PUHY-P72THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	7,050	
		m³ / min	200	
		L/s	3,330	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	
	External static pressure *4		0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	5.1	
	Case heater	kW	0.051(230 V)	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)	
	Control		LEV and HIC circuit	
Net weight		lbs (kg)	441(200)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KB94L644	
	Wiring		WKE94C207X01	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. Pipe	
Optional parts	Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
	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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.	

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A; PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P168TSHMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	168,000			
		kW	49.2			
	Power input	kW	14.11 *3			
	Current input (208 / 230)	A	43.5 / 39.3 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	188,000			
		kW	55.1			
	Power input	kW	14.73 *3			
	Current input (208 / 230)	A	45.4 / 41.0 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			8-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 1 to 36			
Sound pressure level (measured in anechoic room)		dB <A>	61.0			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed			
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P72THMU-A(-BS)		PUHY-P96THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,050	
		m ³ / min	200		200	
		L/s	3,330		3,330	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		6.8	
	Case heater	kW	0.051(230 V)		0.051(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)	
	Control		LEV and HIC circuit			
Net weight	lbs (kg)		441(200)		441(200)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		3/8"(9.52)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L644			
	Wiring		WKE94C207X01		WKE94C207X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section. p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h =kW x 3,412
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	cfm =m ³ /min x 35.31
Level difference:	0ft.(0m)	0ft.(0m)	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(208 / 230V)

Model			PUHY-P192TSHMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	192,000			
		kW	56.3			
	Power input	kW	15.84 *3			
	Current input (208 / 230)	A	48.8 / 44.1 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	200,000			
		kW	58.6			
	Power input	kW	15.38 *3			
	Current input (208 / 230)	A	47.4 / 42.8 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			6-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 1 to 41			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed			
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P72THMU-A(-BS)		PUHY-P120THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	441(200)		541(245)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L645			
	Wiring		WKE94C207X01		WKE94C208X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B.	70degF D.B.	kcal =kW x 860
	(26.7degC D.B./ 19.4degC W.B.)	(21.1degC D.B.)	BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B.	cfm =m³/min x 35.31
		(8.3degC D.B./ 6.1degC W.B.)	lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P216TSHMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	216,000			
		kW	63.3			
	Power input	kW	19.09 *3			
	Current input (208 / 230)	A	58.8 / 53.2 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	228,000			
		kW	66.8			
	Power input	kW	18.42 *3			
	Current input (208 / 230)	A	56.8 / 51.3 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			6-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 46			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed			
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P96THMU-A(-BS)		PUHY-P120THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.8		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	441(200)		541(245)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L645			
	Wiring		WKE94C207X01		WKE94C208X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(208 / 230V)

Model				PUHY-P240TSHMU-A(-BS)					
Power source				3-phase 3-wire 208 / 230V 10% 60Hz					
Cooling capacity (Nominal) *1			BTU / h	240,000					
			kW	70.3					
			Power input	kW	20.82 *3				
			Current input (208 / 230)	A	64.2 / 58.0 *3				
Temp. range of cooling			Indoor	W.B. 59 to 75degF(15 to 24degC)					
			Outdoor	D.B. 23 to 109degF(-5 to 43degC)					
Heating capacity (Nominal) *2			BTU / h	240,000					
			kW	70.3					
			Power input	kW	19.07 *3				
			Current input (208 / 230)	A	58.8 / 53.1 *3				
Temp. range of heating			Indoor	D.B. 59 to 81degF(15 to 27degC)					
			Outdoor	W.B. -4 to 60degF(-20 to 15.5degC)					
System Compressor Operating Range				8-100%					
Indoor unit connectable			Total capacity		50 to 130 % of outdoor unit capacity				
			Model / Quantity		P06 to P96 / 2 to 50				
Sound pressure level (measured in anechoic room)			dB <A>	63.0					
Refrigerant piping diameter from Twinning Kit to Indoor Units			Liquid pipe	in. (mm)	5/8"(15.88) Brazed				
			Gas pipe	in. (mm)	1-1/8"(28.58) Brazed				
Set Model									
Model				PUHY-P120THMU-A(-BS)		PUHY-P120THMU-A(-BS)			
Fan			Type x Quantity		Propeller fan x 1		Propeller fan x 1		
			Airflow rate		cfm	7,950		7,950	
					m ³ / min	225		225	
					L/s	3,750		3,750	
			Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
			Motor output		kW	0.92		0.92	
External static pressure *4			0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4				
Compressor			Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
			Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.		
			Starting method		Inverter		Inverter		
			Motor output		kW	8.8		8.8	
			Case heater		kW	0.057(230 V)		0.057(230 V)	
			Lubricant		MEL32		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D			in.	64-31/32" x 48-1/16" x 29-15/16"			64-31/32" x 48-1/16" x 29-15/16"		
			mm	1,650 x 1,220 x 760			1,650 x 1,220 x 760		
Protection devices			High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
			Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch		
			Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant			Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)		R410A x 25 lbs + 6 oz (11.5kg)		
			Control		LEV and HIC circuit				
Net weight			lbs (kg)	541(245)		541(245)			
Heat exchanger				Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)				Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure			
Refrigerant piping diameter from Module to Twinning Kit			Liquid pipe	in. (mm)	1/2"(12.7)Brazed		1/2"(12.7)Brazed		
			Gas pipe	in. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed		
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle)					
Drawing			External		KB94L648				
			Wiring		WKE94C208X01		WKE94C208X01		
			Refrigerant cycle		-				
Standard attachment			Document		Installation Manual				
			Accessory		Refrigerant conn. Pipe				
Optional parts				Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)					
				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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.					

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P264TSHMU-A(-BS)		
Power source			3-phase 3-wire 208 / 230V 10% 60Hz		
Cooling capacity (Nominal) *1	BTU / h		264,000		
	kW		77.4		
	Power input		kW		
	Current input (208 / 230)		A		
Temp. range of cooling	Indoor		W.B.		
	Outdoor		D.B.		
			59 to 75degF(15 to 24degC)		
			23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal) *2	BTU / h		280,000		
	kW		82.1		
	Power input		kW		
	Current input (208 / 230)		A		
Temp. range of heating	Indoor		D.B.		
	Outdoor		W.B.		
			59 to 81degF(15 to 27degC)		
			-4 to 60degF(-20 to 15.5degC)		
System Compressor Operating Range			5-100%		
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 2 to 50		
Sound pressure level (measured in anechoic room)			dB <A>		
			63.5		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe		in. (mm)		
	Gas pipe		in. (mm)		
			3/4"(19.05) Brazed		
			1-3/8"(34.93) Brazed		
Set Model					
Model			PUHY-P72THMU-A(-BS)		PUHY-P120THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1
	Airflow rate	cfm	7,050		7,950
		m³ / min	200		225
		L/s	3,330		3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92		0.92
External static pressure *4			0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter		Inverter
	Motor output	kW	5.1		8.8
	Case heater	kW	0.051(230 V)		0.057(230 V)
	Lubricant	MEL32		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D			in.		64-31/32" x 36-1/4" x 29-15/16"
			mm		1,650 x 920 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	441(200)		541(245)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe		in. (mm)		3/8"(9.52)Brazed
	Gas pipe		in. (mm)		3/4"(19.05)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KB94L651		
	Wiring		WKE94C207X01		WKE94C208X01
Refrigerant cycle			-		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. Pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)		
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.		
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)		BTU/h =kW x 3,412
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		cfm =m³/min x 35.31
Level difference:	0ft.(0m)		0ft.(0m)		lb =kg / 0.4536
					* Above specification data is subject to rounding variation.
* Due to continuing improvement, above specifications may be subject to change without notice.					

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications also apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(208 / 230V)

Model			PUHY-P288TSHMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	288,000			
		kW	84.4			
		Power input	kW	24.52 *3		
Current input (208 / 230)		A	75.6 / 68.3 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	308,000			
		kW	90.3			
		Power input	kW	24.27 *3		
Current input (208 / 230)		A	74.8 / 67.6 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			5-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 50			
Sound pressure level (measured in anechoic room)		dB <A>	63.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed			
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed			
Set Model						
Model			PUHY-P72THMU-A(-BS)		PUHY-P96THMU-A(-BS)	PUHY-P120THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
Compressor	External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		6.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
Lubricant		MEL32		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)	
	Control		LEV and HIC circuit		R410A x 25 lbs + 6 oz (11.5kg)	
Net weight		lbs (kg)	441(200)		541(245)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L651			
	Wiring		WKE94C207X01		WKE94C207X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h =kW x 3,412
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	cfm =m ³ /min x 35.31
Level difference:	0ft.(0m)	0ft.(0m)	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P312TSHMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V 10% 60Hz			
Cooling capacity (Nominal) *1	BTU / h		312,000			
	kW		91.4			
	Power input		kW			
	Current input (208 / 230)		A			
Temp. range of cooling	Indoor		W.B.			
	Outdoor		D.B.			
Heating capacity (Nominal) *2	BTU / h		320,000			
	kW		93.8			
	Power input		kW			
	Current input (208 / 230)		A			
Temp. range of heating	Indoor		D.B.			
	Outdoor		W.B.			
System Compressor Operating Range			4-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 50			
Sound pressure level (measured in anechoic room)			dB <A>			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe		in. (mm)			
	Gas pipe		in. (mm)			
Set Model						
Model			PUHY-P72THMU-A(-BS)		PUHY-P120THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW		0.92	
Compressor	External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output		kW		5.1	
	Case heater		kW		0.051(230 V)	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D			in.		64-31/32" x 36-1/4" x 29-15/16"	
			mm		1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit		R410A x 25 lbs + 6 oz (11.5kg)	
Net weight			lbs (kg)		441(200)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe		in. (mm)		3/8"(9.52)Brazed	
	Gas pipe		in. (mm)		3/4"(19.05)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L652			
	Wiring		WKE94C207X01		WKE94C208X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(208 / 230V)

Model			PUHY-P336TSHMU-A(-BS)				
Power source			3-phase 3-wire 208 / 230V 10% 60Hz				
Cooling capacity (Nominal) *1	BTU / h		336,000				
	kW		98.5				
	Power input		kW			29.50 *3	
	Current input (208 / 230)		A			90.9 / 82.2 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)				
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)				
Heating capacity (Nominal) *2	BTU / h		348,000				
	kW		102.0				
	Power input		kW			27.96 *3	
	Current input (208 / 230)		A			86.2 / 77.9 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)				
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)				
System Compressor Operating Range			4-100%				
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity				
	Model / Quantity		P06 to P96 / 2 to 50				
Sound pressure level (measured in anechoic room)		dB <A>	64.5				
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe		in. (mm)			3/4"(19.05) Brazed	
	Gas pipe		in. (mm)			1-5/8"(41.28) Brazed	
Set Model							
Model		PUHY-P96THMU-A(-BS)		PUHY-P120THMU-A(-BS)		PUHY-P120THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1
	Airflow rate	cfm	7,050		7,950		7,950
		m ³ / min	200		225		225
		L/s	3,330		3,750		3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor
	Motor output		kW		0.92		0.92
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter		Inverter		Inverter
	Motor output		kW		6.8		8.8
	Case heater		kW		0.051(230 V)		0.057(230 V)
	Lubricant		MEL32		MEL32		MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760		1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)		R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit				
Net weight		lbs (kg)	441(200)		541(245)		541(245)
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe		in. (mm)		3/8"(9.52)Brazed		1/2"(12.7)Brazed
	Gas pipe		in. (mm)		7/8"(22.2)Brazed		7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)				
Drawing	External		KB94L652				
	Wiring		WKE94C207X01		WKE94C208X01		WKE94C208X01
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual				
	Accessory		Refrigerant conn. Pipe				
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)				
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.				

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P360TSHMU-A(-BS)		
Power source			3-phase 3-wire 208 / 230V 10% 60Hz		
Cooling capacity (Nominal) *1		BTU / h	360,000		
		kW	105.5		
	Power input	kW	31.23 *3		
	Current input (208 / 230)	A	96.3 / 87.1 *3		
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)		
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal) *2		BTU / h	360,000		
		kW	105.5		
	Power input	kW	28.61 *3		
	Current input (208 / 230)	A	88.2 / 79.7 *3		
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)		
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		
System Compressor Operating Range			6-100%		
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 2 to 50		
Sound pressure level (measured in anechoic room)		dB <A>	65.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed		
	Gas pipe	in. (mm)	1-5/8"(41.28) Brazed		
Set Model					
Model			PUHY-P120THMU-A(-BS)	PUHY-P120THMU-A(-BS)	PUHY-P120THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,950	7,950	7,950
		m³ / min	225	225	225
		L/s	3,750	3,750	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control,Direct-driven by motor
	Motor output	kW	0.92	0.92	0.92
	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	8.8	8.8	8.8
	Case heater	kW	0.057(230 V)	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D	in.	64-31/32" x 48-1/16" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
	mm	1,650 x 1,220 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection,Over-current protection	Over-heat protection,Over-current protection	Over-heat protection,Over-current protection
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)	R410A x 25 lbs + 6 oz (11.5kg)	R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit		
Net weight	lbs (kg)		541(245)	541(245)	541(245)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	1/2"(12.7)Brazed	1/2"(12.7)Brazed	1/2"(12.7)Brazed
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	7/8"(22.2)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KB94L653		
	Wiring		WKE94C208X01	WKE94C208X01	WKE94C208X01
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. Pipe		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)		
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.		

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal = kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	cfm = m ³ /min x 35.31
Level difference:	0ft.(0m)	0ft.(0m)	lb = kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72THMU: MCA = 23 / 21A, Max. Fuse Size: 30 / 30A; PUHY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PUHY-P120THMU: MCA = 41 / 38A, Max. Fuse Size: 50 / 50A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

1-2. PUHY-P72~360Y(S)HMU-A SPECIFICATIONS

Y-SERIES
(460V)

Model			PUHY-P72YHMU-A(-BS)		PUHY-P96YHMU-A(-BS)		
Power source			3-phase 3-wire 460V 10% 60Hz		3-phase 3-wire 460V 10% 60Hz		
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		
		kW	21.1		28.1		
		Power input	kW	5.27 *3		8.42 *3	
	Current input (460)	A	7.3 *3		11.7 *3		
Temp. range of cooling		Indoor	W.B.	59 to 75degF(15 to 24degC)		59 to 75degF(15 to 24degC)	
		Outdoor	D.B.	23 to 109degF(-5 to 43degC)		23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		
		kW	23.4		31.7		
		Power input	kW	5.68 *3		8.63 *3	
	Current input (460)	A	7.9 *3		12.0 *3		
Temp. range of heating		Indoor	D.B.	59 to 81degF(15 to 27degC)		59 to 81degF(15 to 27degC)	
		Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		-4 to 60degF(-20 to 15.5degC)	
Indoor unit connectable		Total capacity		50 to 130 % of outdoor unit capacity		50 to 130 % of outdoor unit capacity	
		Model / Quantity		P06 to P96 / 1 to 15		P06 to P96 / 1 to 20	
Sound pressure level (measured in anechoic room)		dB <A>	58.0		58.0		
Refrigerant piping diameter		Liquid pipe	in. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed (1/2"(12.7) Brazed,total length >= 295" [90m])	
		Gas pipe	in. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
Fan		Type x Quantity		Propeller fan x 1		Propeller fan x 1	
		Air flow rate	cfm	7,050		7,050	
			m³ / min	200		200	
			L/s	3,330		3,330	
		Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
		Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4			
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
		Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
		Operating Range		18-100%		13-100%	
		Starting method		Inverter		Inverter	
		Motor output	kW	5.1		6.8	
		Case heater	kW	0.051(230 V)		0.051(230 V)	
Lubricant		MEL32		MEL32			
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"		
		mm	1,650 x 920 x 760		1,650 x 920 x 760		
Protection devices		High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
		Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
		Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant		Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)	
		Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	474(215)		474(215)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure		
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing		External		KB94L654		KB94L654	
		Wiring		WKE94C211X01		WKE94C211X01	
		Refrigerant cycle		-		-	
Standard attachment		Document		Installation Manual		Installation Manual	
		Accessory		Refrigerant conn. pipe		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102S/L-G2		Joint: CMY-Y102S/L-G2		
			Header: CMY-Y104/108/1010-G		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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.				
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter		
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860 BTU/h =kW x 3,412		
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)		cfm =m³/min x 35.31 lb =kg / 0.4536		
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.		
Level difference:	0ft.(0m)		0ft.(0m)				
* Due to continuing improvement, above specifications may be subject to change without notice.							

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A.
PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A.

1. SPECIFICATIONS

DATA U4

Model			PUHY-P120YHMu-A(-BS)
Power source			3-phase 3-wire 460V 10% 60Hz
Cooling capacity (Nominal) *1	BTU / h		120,000
	kW		35.2
	Power input	kW	10.11 *3
	Current input (460)	A	14.0 *3
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)
Heating capacity (Nominal) *2	BTU / h		120,000
	kW		35.2
	Power input	kW	9.26 *3
	Current input (460)	A	12.9 *3
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 26
Sound pressure level (measured in anechoic room)		dB <A>	60.0
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8"(9.52) Brazed (1/2"(12.7) Brazed,total length >= 131' [40m])
	Gas pipe	in. (mm)	7/8"(22.2) Brazed
Fan	Type x Quantity		Propeller fan x 1
	Air flow rate	cfm	7,950
		m³ / min	225
		L/s	3,750
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92
	External static pressure *4		0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Operating Range		18-100%
	Starting method		Inverter
	Motor output	kW	8.8
	Case heater	kW	0.057(230 V)
	Lubricant		MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit
Net weight	lbs (kg)		574(260)
Heat exchanger			Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		KB94L655
	Wiring		WKE94C211X01
	Refrigerant cycle		-
Standard attachment	Document		Installation Manual
	Accessory		Refrigerant conn. Pipe
Optional parts			Joint: CMY-Y102S/L-G2
			Header: CMY-Y104/108/1010-G
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B.	70degF D.B.	kcal =kW x 860
	(26.7degC D.B./ 19.4degC W.B.)	(21.1degC D.B.)	BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B.	cfm =m³/min x 35.31
		(8.3degC D.B./ 6.1degC W.B.)	lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P120YHMu: MCA = 19A, Max. Fuse Size: 25A.

1. SPECIFICATIONS

DATA U4

Y-SERIES
(460V)

Model			PUHY-P144YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000	
		kW	42.2	
	Power input	kW	10.87 *3	
	Current input (460)	A	15.1 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	160,000	
		kW	46.9	
	Power input	kW	11.69 *3	
	Current input (460)	A	16.3 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 31	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1/2"(12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PUHY-P72YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	7,050	
		m³ / min	200	
		L/s	3,330	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	
Compressor	External static pressure *4		0 in.WG (0 Pa) *4	
	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	5.1	
	Case heater	kW	0.051(230 V)	
Lubricant		MEL32		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)	
Net weight	lbs (kg)	474(215)		
Heat exchanger	Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)	Copper pipe,tube-in-tube structure			
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External	KB94L656		
	Wiring	WKE94C211X01		WKE94C211X01
	Refrigerant cycle	-		
Standard attachment	Document	Installation Manual		
	Accessory	Refrigerant conn. Pipe		
Optional parts	Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
	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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	BTU/h =kW x 3,412
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	cfm =m ³ /min x 35.31
Level difference:	0ft.(0m)	0ft.(0m)	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;
 PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P168YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	168,000	
		kW	49.2	
	Power input	kW	14.11 *3	
	Current input (460)	A	19.6 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	188,000	
		kW	55.1	
	Power input	kW	14.73 *3	
	Current input (460)	A	20.5 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			8-100%	
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 36	
Sound pressure level (measured in anechoic room)	dB <A>		61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PUHY-P72YHMU-A(-BS)	PUHY-P96YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,050	7,050
		m³ / min	200	200
		L/s	3,330	3,330
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
External static pressure *4			0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	5.1	6.8
	Case heater	kW	0.051(230 V)	0.051(230 V)
	Lubricant			MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D	in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"
	mm	1,650 x 920 x 760		1,650 x 920 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)	R410A x 19 lbs + 13 oz (9.0kg)
	Control		LEV and HIC circuit	
Net weight	lbs (kg)	474(215)		474(215)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed	3/8"(9.52)Brazed
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KB94L656	
	Wiring		WKE94C211X01	WKE94C211X01
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. Pipe	
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)	
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.	

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(460V)

Model			PUHY-P192YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	192,000			
		kW	56.3			
		Power input	kW	15.84 *3		
		Current input (460)	A	22.0 *3		
Temp. range of cooling		Indoor	W.B.	59 to 75degF(15 to 24degC)		
		Outdoor	D.B.	23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal) *2		BTU / h	200,000			
		kW	58.6			
		Power input	kW	15.38 *3		
		Current input (460)	A	21.4 *3		
Temp. range of heating		Indoor	D.B.	59 to 81degF(15 to 27degC)		
		Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		
System Compressor Operating Range			6-100%			
Indoor unit connectable		Total capacity	50 to 130 % of outdoor unit capacity			
		Model / Quantity	P06 to P96 / 1 to 41			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units		Liquid pipe	in. (mm)	5/8"(15.88) Brazed		
		Gas pipe	in. (mm)	1-1/8"(28.58) Brazed		
Set Model						
Model			PUHY-P72YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L657			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P216YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	216,000			
		kW	63.3			
	Power input	kW	19.09 *3			
	Current input (460)	A	26.6 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	228,000			
		kW	66.8			
	Power input	kW	18.42 *3			
	Current input (460)	A	25.6 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			6-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 46			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed			
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P96YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.8		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L657			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;
PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(460V)

Model			PUHY-P240YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	240,000	
		kW	70.3	
	Power input	kW	20.82 *3	
	Current input (460)	A	29.0 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	240,000	
		kW	70.3	
	Power input	kW	19.07 *3	
	Current input (460)	A	26.5 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			8-100%	
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 2 to 50	
Sound pressure level (measured in anechoic room)		dB <A>	63.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	5/8"(15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model		PUHY-P120YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	7,950	
		m ³ / min	225	
		L/s	3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	
Compressor	External static pressure *4		0 in.WG (0 Pa) *4	
	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	8.8	
	Case heater	kW	0.057(230 V)	
Lubricant		MEL32		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit	
Net weight		lbs (kg)	574(260)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KB94L658	
	Wiring		WKE94C211X01	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. Pipe	
Optional parts		Outdoor Twinning kit: CMY-Y100VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)		
		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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.		

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;
 PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.
 These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P264YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	264,000			
		kW	77.4			
	Power input	kW	21.28 *3			
	Current input (460)	A	29.6 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	280,000			
		kW	82.1			
	Power input	kW	21.23 *3			
	Current input (460)	A	29.6 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			5-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 50			
Sound pressure level (measured in anechoic room)		dB <A>	63.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed			
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed			
Set Model						
Model		PUHY-P72YHMU-A(-BS)		PUHY-P72YHMU-A(-BS)		
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L659			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(460V)

Model			PUHY-P288YSHMU-A(-BS)					
Power source			3-phase 3-wire 460V 10% 60Hz					
Cooling capacity (Nominal) *1		BTU / h	288,000					
		kW	84.4					
	Power input	kW	24.52 *3					
	Current input (460)	A	34.1 *3					
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)					
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)					
Heating capacity (Nominal) *2		BTU / h	308,000					
		kW	90.3					
	Power input	kW	24.27 *3					
	Current input (460)	A	33.8 *3					
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)					
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)					
System Compressor Operating Range			5-100%					
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity					
	Model / Quantity		P06 to P96 / 2 to 50					
Sound pressure level (measured in anechoic room)		dB <A>	63.5					
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed					
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed					
Set Model								
Model		PUHY-P72YHMU-A(-BS)		PUHY-P96YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)		
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,050		7,950	
		m³ / min	200		200		225	
		L/s	3,330		3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	5.1		6.8		8.8	
	Case heater	kW	0.051(230 V)		0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit					
Net weight		lbs (kg)	474(215)		474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Drawing	External		KB94L659					
	Wiring		WKE94C211X01		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-					
Standard attachment	Document		Installation Manual					
	Accessory		Refrigerant conn. Pipe					
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)					
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.					

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P312YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	312,000			
		kW	91.4			
	Power input	kW	26.25 *3			
	Current input (460)	A	36.6 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	320,000			
		kW	93.8			
	Power input	kW	24.92 *3			
	Current input (460)	A	34.7 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			4-100%			
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 50			
Sound pressure level (measured in anechoic room)		dB <A>	64.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed			
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed			
Set Model						
Model			PUHY-P72YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.1		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D			in. 64-31/32" x 36-1/4" x 29-15/16"		in. 64-31/32" x 48-1/16" x 29-15/16"	
			mm 1,650 x 920 x 760		mm 1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight			lbs (kg) 474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L660			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Y-SERIES
(460V)

Model			PUHY-P336YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	336,000			
		kW	98.5			
	Power input	kW	29.50 *3			
	Current input (460)	A	41.1 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	348,000			
		kW	102.0			
	Power input	kW	27.96 *3			
	Current input (460)	A	38.9 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			4-100%			
Indoor unit connectable	Total capacity	50 to 130 % of outdoor unit capacity				
	Model / Quantity	P06 to P96 / 2 to 50				
Sound pressure level (measured in anechoic room)		dB <A>	64.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed			
	Gas pipe	in. (mm)	1-5/8"(41.28) Brazed			
Set Model						
Model		PUHY-P96YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)		
Fan	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Manufacturer	AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter		Inverter		
	Motor output	kW	6.8		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)	
	Lubricant	MEL32		MEL32		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	474(215)		574(260)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L660			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
			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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;
PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1. SPECIFICATIONS

DATA U4

Model			PUHY-P360YSHMU-A(-BS)		
Power source			3-phase 3-wire 460V 10% 60Hz		
Cooling capacity (Nominal) *1		BTU / h	360,000		
		kW	105.5		
	Power input	kW	31.23 *3		
	Current input (460)	A	43.5 *3		
Temp. range of cooling	Indoor	W.B.	59 to 75degF (15 to 24degC)		
	Outdoor	D.B.	23 to 109degF (-5 to 43degC)		
Heating capacity (Nominal) *2		BTU / h	360,000		
		kW	105.5		
	Power input	kW	28.61 *3		
	Current input (460)	A	39.8 *3		
System Compressor Operating Rane			6-100%		
Temp. range of heating	Indoor	D.B.	59 to 81degF (15 to 27degC)		
	Outdoor	W.B.	-4 to 60degF (-20 to 15.5degC)		
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 2 to 50		
Sound pressure level (measured in anechoic room)		dB <A>	65.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	3/4"(19.05) Brazed		
	Gas pipe	in. (mm)	1-5/8"(41.28) Brazed		
Set Model					
Model			PUHY-P120YHMU-A(-BS)	PUHY-P120YHMU-A(-BS)	PUHY-P120YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,950	7,950	7,950
		m ³ / min	225	225	225
		L/s	3,750	3,750	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92	0.92
External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	8.8	8.8	8.8
	Case heater	kW	0.057(230 V)	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	64-31/32" x 48-1/16" x 29-15/16"	64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 1,220 x 760	1,650 x 1,220 x 760	1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5kg)	R410A x 25 lbs + 6 oz (11.5kg)	R410A x 25 lbs + 6 oz (11.5kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	574(260)	574(260)	574(260)
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	1/2"(12.7)Brazed	1/2"(12.7)Brazed	1/2"(12.7)Brazed
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	7/8"(22.2)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KB94L661		
	Wiring		WKE94C211X01	WKE94C211X01	WKE94C211X01
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. Pipe		
Optional parts		Outdoor Twinning kit: CMY-Y300VBK2 (Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set)			
		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. *3 For details on the electrical data needed for installing these units, see the Y-Series System Design section, pgs. 255-261. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the Y-Series System Design section, p. 293.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m ³ /min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

PUHY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PUHY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PUHY-P120YHMU: MCA = 19A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PUHY-P144-P360).

1-3. ENERGY EFFICIENCIES

Model	Nominal Cooling Capacity	Cooling EER	Heating 47° F COP	Heating 17° F COP	IPLV
HEAT PUMP Models 208/230V and 460V, 3-phase					
PUHY-P72T/YHMu-A	72,000 Btu/h	12.4	3.7	2.5	18.6
PUHY-P96T/YHMu-A	96,000 Btu/h	10.8	3.3	2.3	16.1
PUHY-P120T/YHMu-A	120,000 Btu/h	10.9	3.5	2.4	17.4
PUHY-P144T/YSHMu-A	144,000 Btu/h	12.4	3.7	2.5	18.6
PUHY-P168T/YSHMu-A	168,000 Btu/h	11.5	3.5	2.4	17.2
PUHY-P192T/YSHMu-A	192,000 Btu/h	11.4	3.6	2.4	17.9
PUHY-P216T/YSHMu-A	216,000 Btu/h	10.8	3.4	2.4	16.8
PUHY-P240T/YSHMu-A	240,000 Btu/h	10.9	3.5	2.4	17.4
PUHY-P264T/YSHMu-A	264,000 Btu/h	11.7	3.6	2.4	18.1
PUHY-P288T/YSHMu-A	288,000 Btu/h	11.2	3.5	2.4	17.3
PUHY-P312T/YSHMu-A	312,000 Btu/h	11.2	3.5	2.4	17.7
PUHY-P336T/YSHMu-A	336,000 Btu/h	10.8	3.4	2.4	17.0
PUHY-P360T/YSHMu-A	360,000 Btu/h	10.9	3.5	2.4	17.4

These units were tested per the guidelines provided by the Department of Energy (DOE) in the Federal Register / Vol. 73 No. 239 / Thursday, December 11, 2008 / Notices / pages 75408 – 75417. Testing was done in accordance with the DOE guidelines and ARI Draft Standard 1230, which is based on ARI Standard 340/360 and ISO Standard 13256-1. All units meet or exceed ASHRAE 90.1 efficiency requirements.

Important: Interpreting the Test Results**COP and EER**

Testing on these units was performed at full load per the test standard so the Energy Efficiency Ratio (EER) and Coefficient of Performance (COP) are based on a fixed energy consumption level. Because of this, many of the energy saving benefits of these Variable Refrigerant Flow Zoning (VRFZ) systems are not truly reflected in these numbers. Some of the other ways these units maximize energy use, which are not included in EER and COP are:

1. Inverter driven compressor varies the system capacity based on load demands. Capacity can vary from 100% down to 16%.
2. Smart coil technology automatically varies the indoor unit capacity based on space cooling or heating requirements.
3. The CITY MULTI VRFZ systems can take advantage of building load diversity by using up to 130% (Y Series) and 150% (R2 Series) connected indoor unit capacity. In many cases this can result in smaller capacity outdoor units required to condition the space.
4. Each R2-Series system has the ability to transfer heat from one area of the building to another. As an example; at 50% heating and 50% cooling demand, no energy is rejected or absorbed from the outdoors. The energy is moved from one part of the building to another within the system.

IPLV

Integrated Part-Load Value (IPLV) is not an ASHRAE 90.1 requirement but it better demonstrates the energy saving capabilities of the CITY MULTI VRFZ systems by taking into account efficiencies at varying capacity conditions. However, it still doesn't account for items 2 – 4 above. Another important note when comparing these IPLV number to chillers is to know how the calculation/testing was done. The IPLV values above include all power required to condition the space. Chillers that commonly use IPLV ratings often do not include other energy consuming devices within the system when arriving at their values. Items such as pumps for water circulation and blower motors in the air handling devices are often excluded.

PUHY-P72,96THMU-A(-BS)

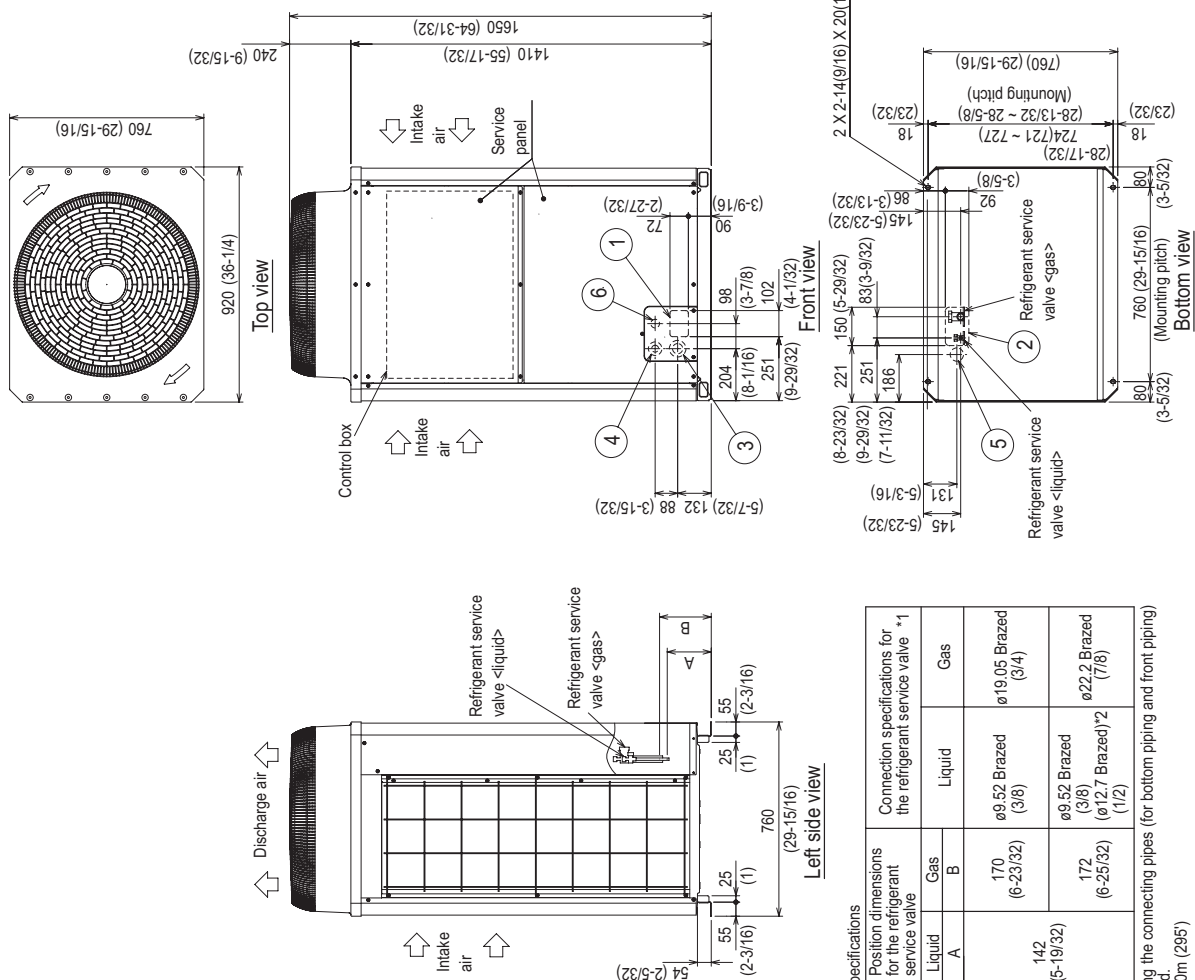
Ref. : PUHY_THMU-A_EXD_USDB_P72-96_Y1

Unit : mm(in)

- <Accessories>
 ● Connecting pipe
 <Gas> Elbow (IDø25.4(1) X ODø25.4(1)).....P72,P96 1pc.
 Pipe (IDø25.4(1) X ODø19.05(3/4)).....P72 1pc.
 Pipe (IDø25.4(1) X ODø22.2(7/8)).....P96 1pc.
 <Liquid> Pipe (IDø9.52(3/8) X ODø9.52(3/8)).....P72,P96 1pc.

Note1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

NO.	Usage	Specifications
①	Front through hole	102 X 72 Knockout hole (4-1/32) (2-27/32)
②	Bottom through hole	150 X 92 Knockout hole (5-29/32) (3-5/8)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø52 Knockout hole (2-1/16)
⑥	Front through hole	ø34 Knockout hole (1-1/32)



Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	A	B	Liquid	Gas
PUHY-P72THMU (-BS)	142 (5-19/32)	170 (6-23/32)	ø9.52 Braze (3/8)	ø19.05 Braze (3/4)
PUHY-P96THMU (-BS)	172 (6-25/32)	172 (6-25/32)	ø9.52 Braze (3/8) ø12.7 Braze (1/2)*2	ø22.2 Braze (7/8)

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
 *2 Total length $\pm$ 90m (295')

PUHY-P72,96THMU-A(-BS)

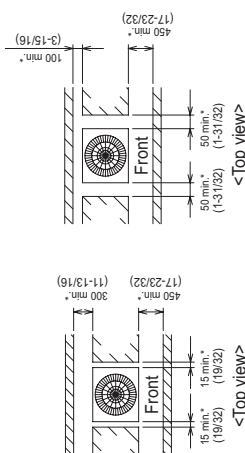
Ref. : PUHY_THMU-A_EXD_USDB_P72-96_Y2
Unit : mm(in)

Y-SERIES

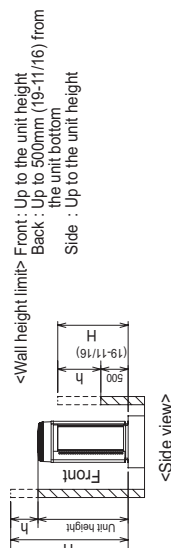
1. Required space around the unit

● In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
- ② With a space of at least 300mm (11-13/16) to the wall on the back of the unit



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



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
<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)
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 (1-3/16). (Fig.A)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- 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.

● 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.

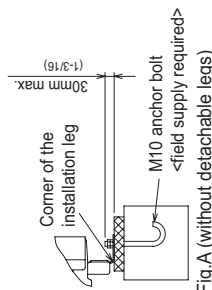
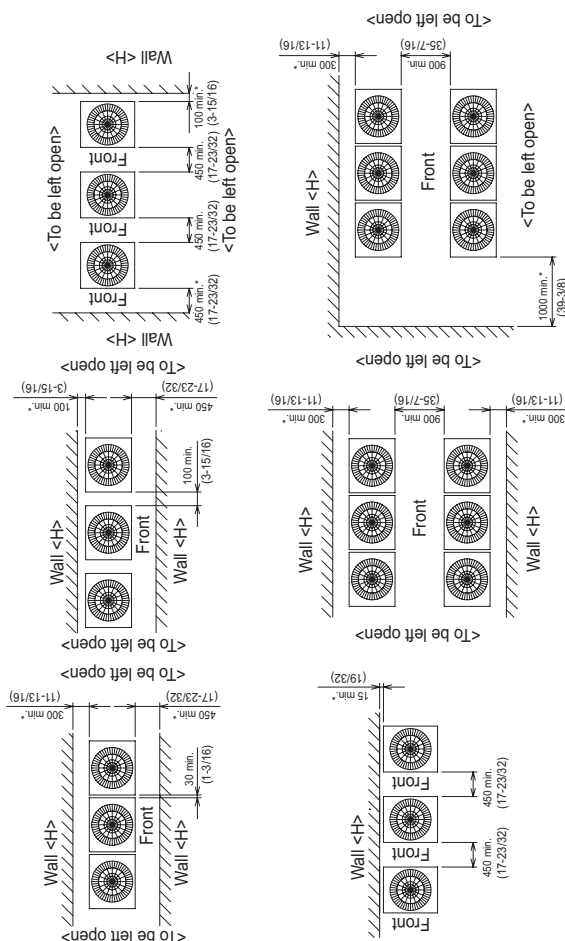


Fig.A (without detachable legs)

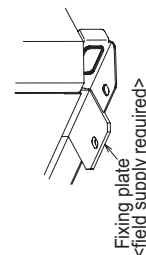
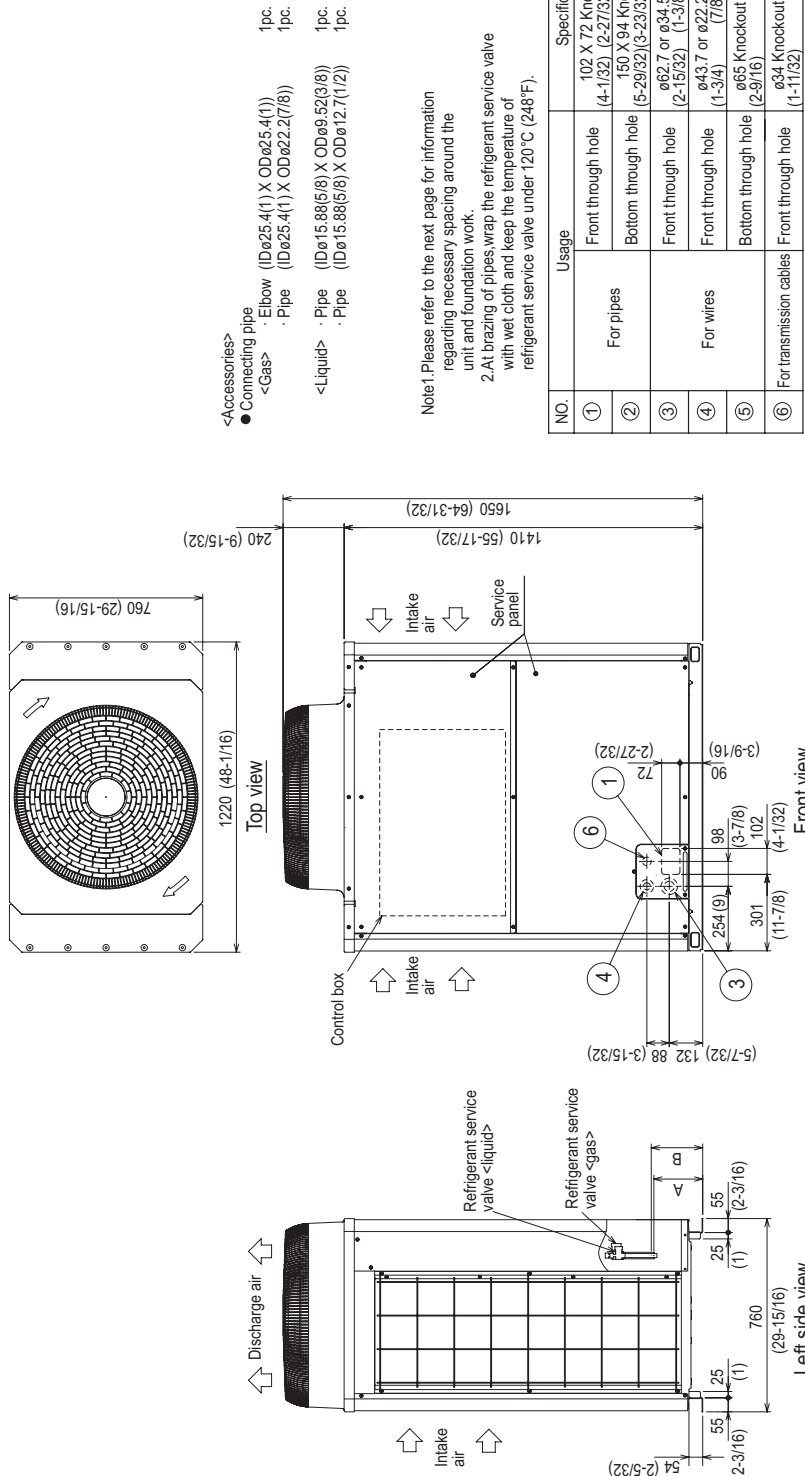


Fig.B (without detachable legs)

PUHY-P120THMU-A(-BS)

Ref.: PUHY_THMU-A_EXD_USDB_P120_Y1
Unit: mm(in)



- <Accessories>
● Connecting pipe
· Elbow (IDø25.4(1) X ODø25.4(1)) 1pc.
· Pipe (IDø25.4(1) X ODø22.2(7/8)) 1pc.
· Pipe (IDø15.88(5/8) X ODø9.52(3/8)) 1pc.
· Pipe (IDø15.88(5/8) X ODø12.7(1/2)) 1pc.

Note1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. At brazing of pipes wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

NO.	Usage	Specifications
①	Front through hole	102 X 72 Knockout hole (4-1/32) (2-27/32)
②	Bottom through hole	150 X 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Front through hole	ø34 Knockout hole (1-11/32)

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	Liquid	Gas	Liquid	Gas
PUHY-P120THMU-A(-BS)	158 (6-1/4)	172 (6-25/32)	ø9.52 Braze (3/8) (ø12.7 Braze) *2 *3	ø22.2 Braze (7/8)

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
*3 Total length ≥ 40m (131')

PUHY-P120THMU-A(-BS)

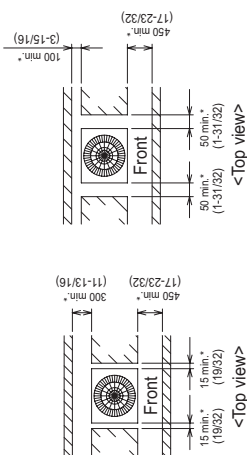
Ref.: PUHY_THMU-A_EXD_USDB_P120_Y2
Unit: mm(in)

Y-SERIES

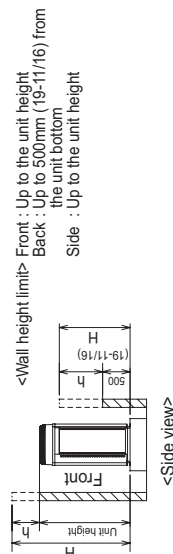
1.Required space around the unit

In case of single installation

- Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm (11-13/16) to the wall on the back of the unit



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



2.Foundation work

- Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
 - Note that the drain water comes out of the unit during operation.
- Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)
 - When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- The protrusion length of the anchor bolt must not exceed 30mm (1-3/16). (Fig.A)
- Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- 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>.
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.

In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

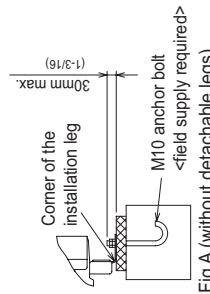
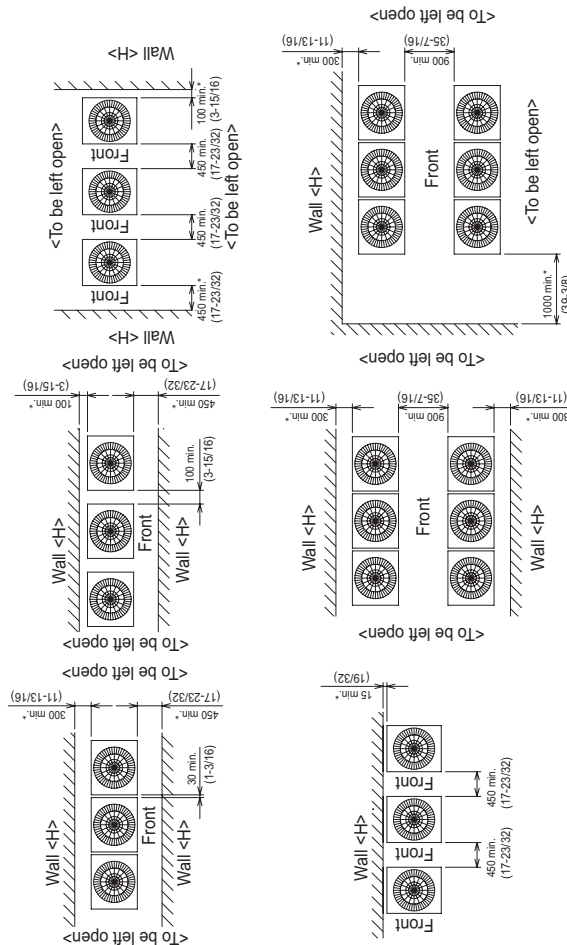


Fig.A (without detachable legs)

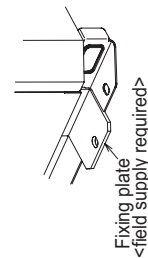
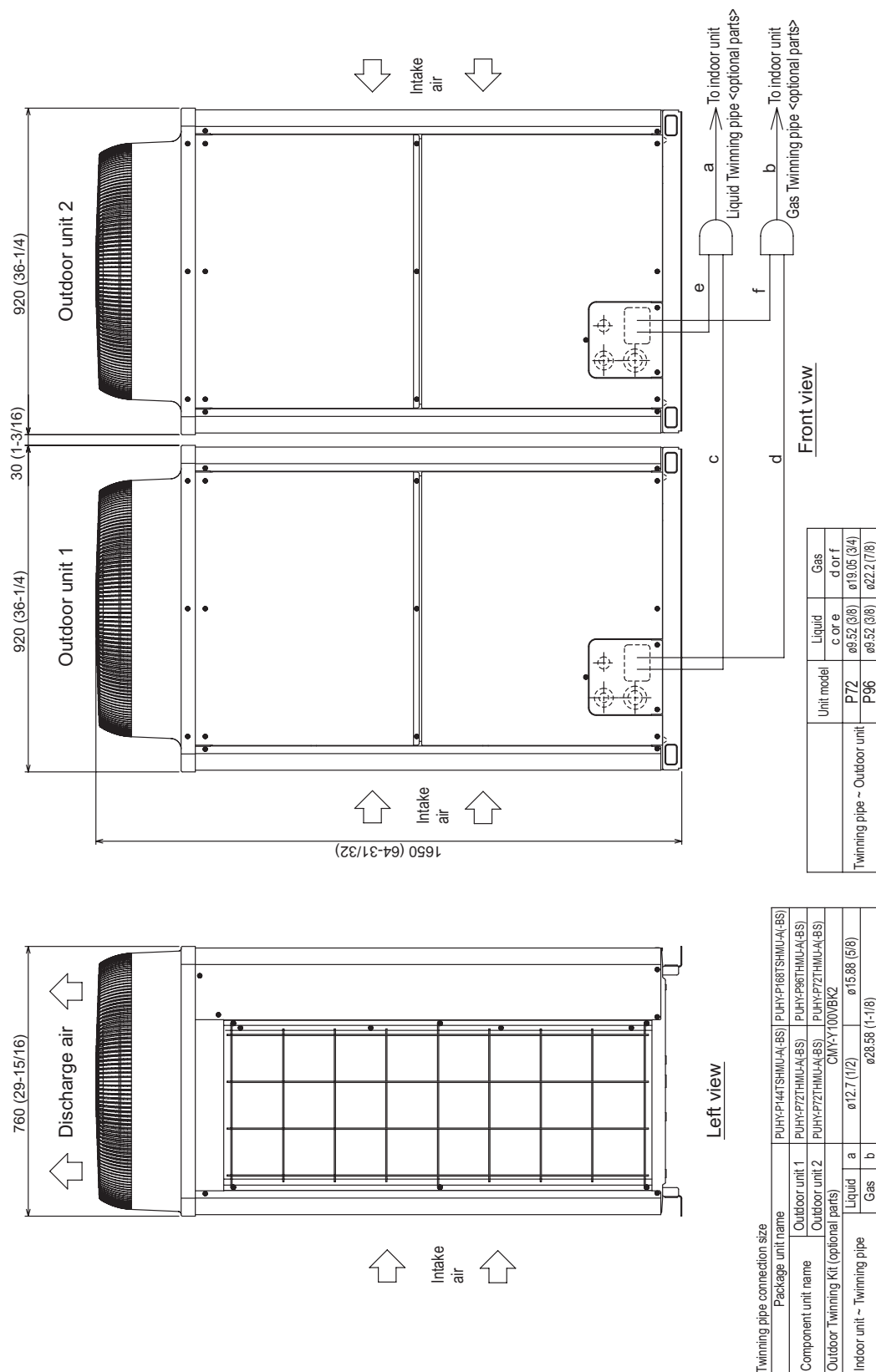


Fig.B (without detachable legs)

PUHY-P144,168TSHMU-A(-BS)

Ref. : PUHY_TSHMU_EXD_USDB_P144-168

Unit : mm(in)



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

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

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

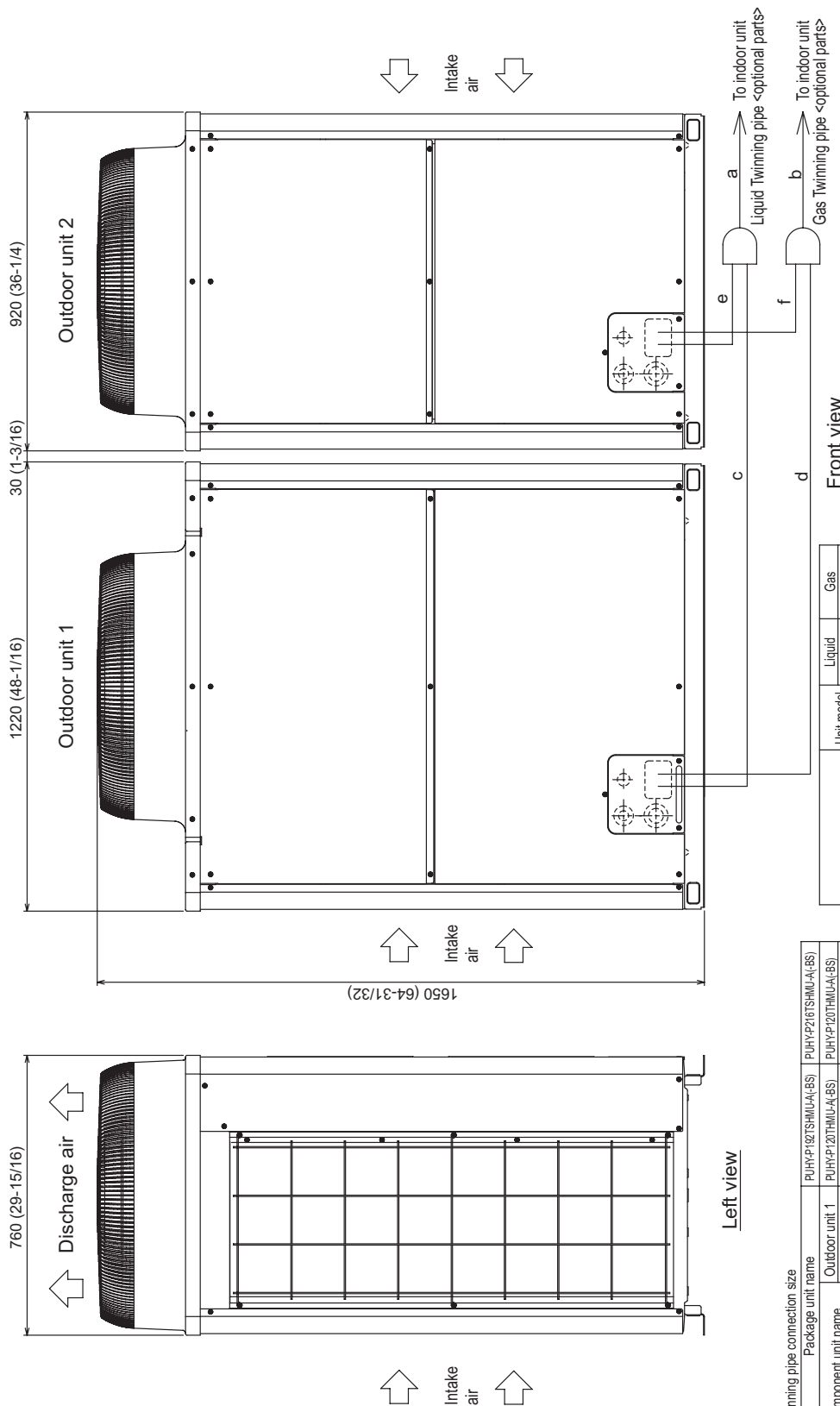
3. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).

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

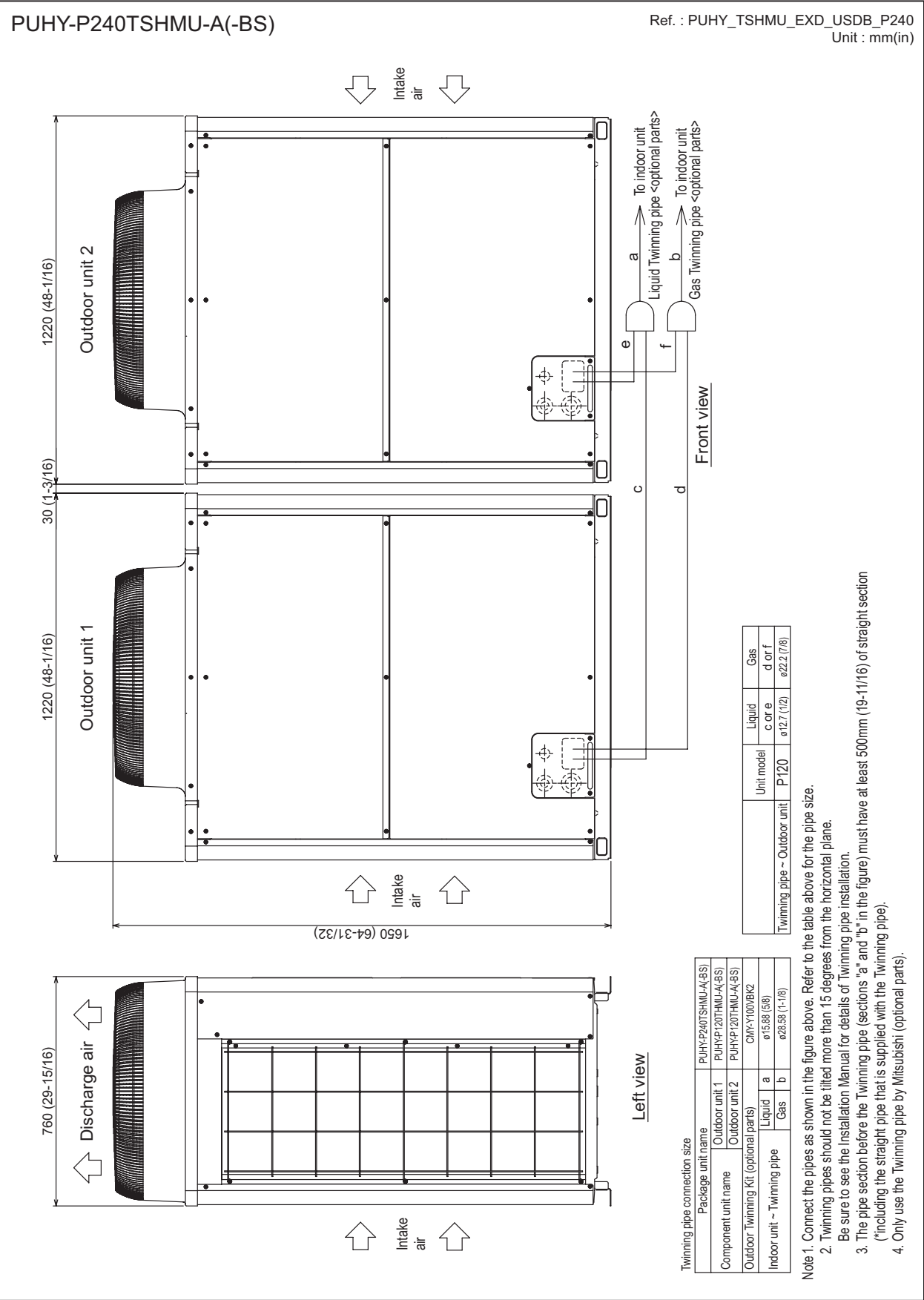
Y-SERIES

PUHY-P192,216TSHMU-A(-BS)

Ref. : PUHY_TSHMU_EXD_USDB_P192-216
Unit : mm(in)



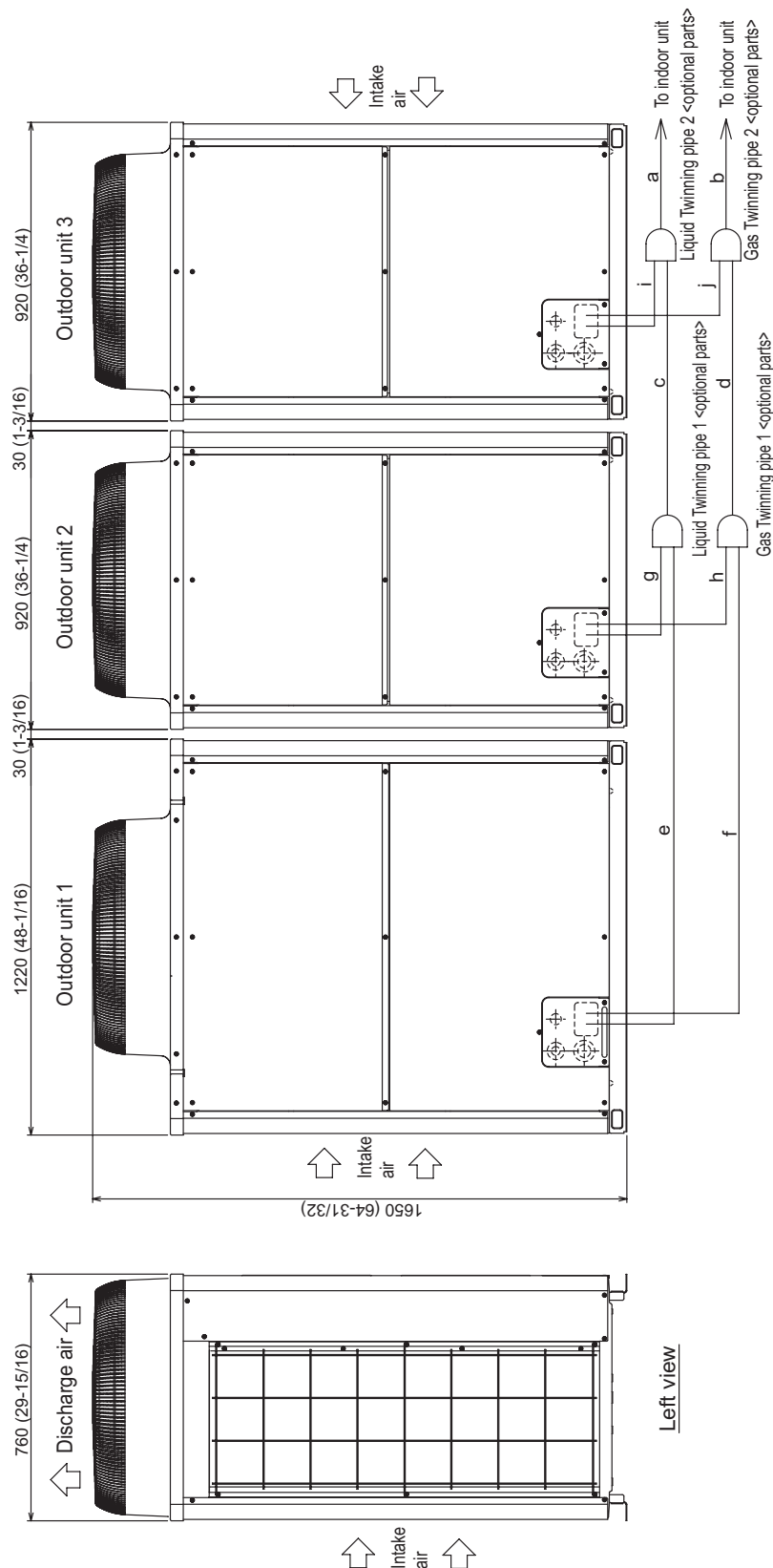
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
 4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).
 5. Only use the Twinning pipe by Mitsubishi (optional parts).



PUHY-P264,288TSHMU-A(-BS)

Ref. : PUHY_TSHMU_EXD_USDB_P264-288

Unit : mm(in)



Twining pipe connection size

Package unit name		PUHY-P264TSHMU-A(-BS)	PUHY-P288TSHMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P120THMU-A(-BS)	PUHY-P120THMU-A(-BS)
	Outdoor unit 2	PUHY-P72THMU-A(-BS)	PUHY-P72THMU-A(-BS)
	Outdoor unit 3	PUHY-P72THMU-A(-BS)	PUHY-P72THMU-A(-BS)
Outdoor Twining Kit (optional parts)		CMV-Y300BK2	
Indoor unit - Twining pipe 2	Liquid a	ø19.05 (3/4)	
	Gas b	ø34.93 (1-3/8)	
Twining pipe 1 - Twining pipe 2	Liquid c	ø19.05 (3/4)	
	Gas d	ø34.93 (1-3/8)	

Twining pipe - Outdoor unit	Unit model	Liquid		Gas	
		c or e	d or f	d or f	d or f
P72	P72	ø19.05 (3/8)	ø19.05 (3/4)	ø19.05 (3/4)	ø19.05 (3/4)
P96	P96	ø19.05 (3/8)	ø22.2 (7/8)	ø22.2 (7/8)	ø22.2 (7/8)
P120	P120	ø19.05 (3/8)	ø22.2 (7/8)	ø22.2 (7/8)	ø22.2 (7/8)

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

Note 2. Twining pipes should not be tilted more than 15 degrees from the horizontal plane.

Note 3. Be sure to see the Installation Manual for details of Twining pipe installation.

Note 4. The pipe section before the Twining pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section.

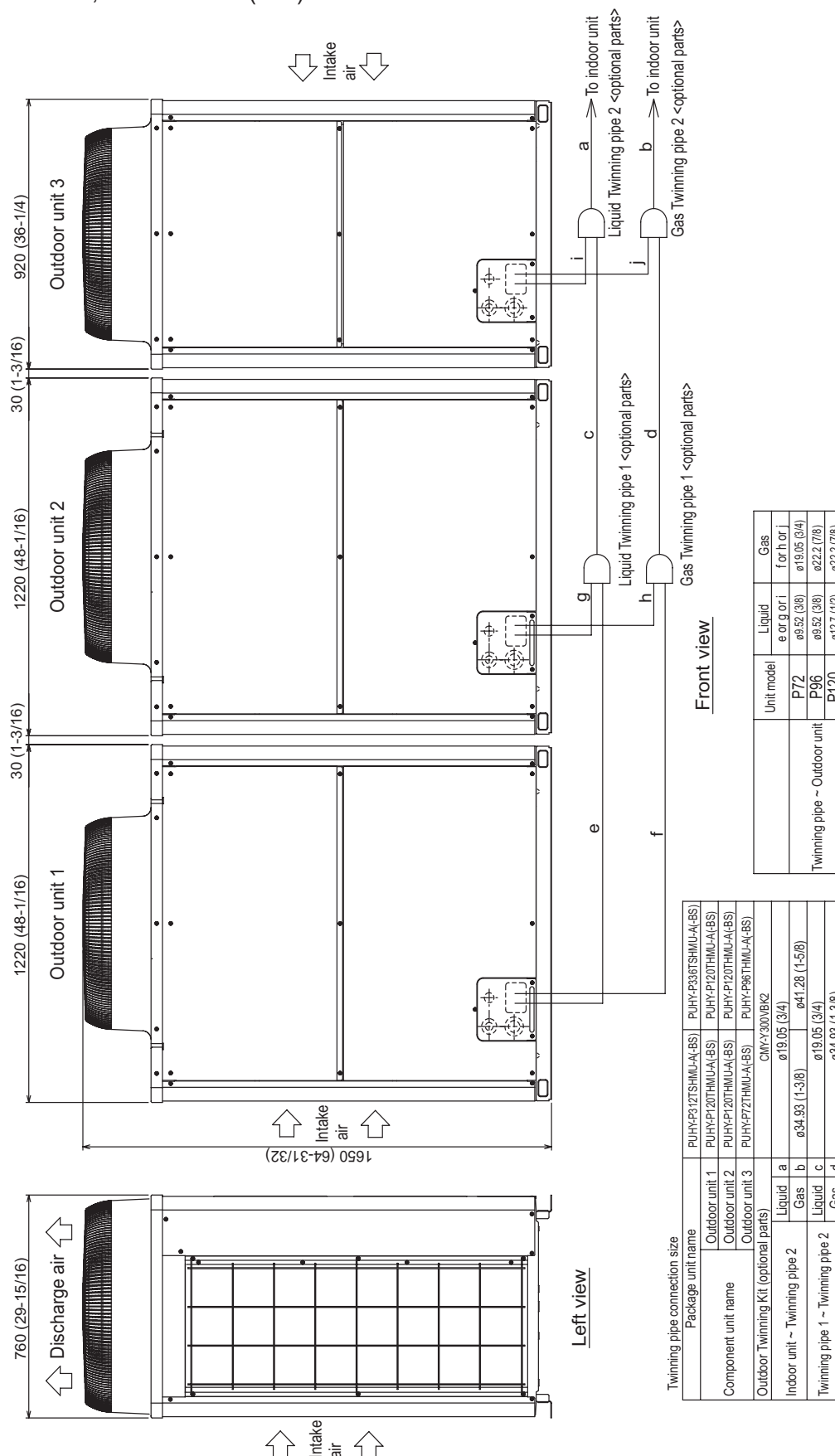
(*including the straight pipe that is supplied with the Twining pipe).

4. Only use the Twining pipe by Mitsubishi (optional parts).

PUHY-P312,336TSHMU-A(-BS)

Ref.: PUHY_TSHMU_EXD_USDB_P312-336

Unit: mm(in)



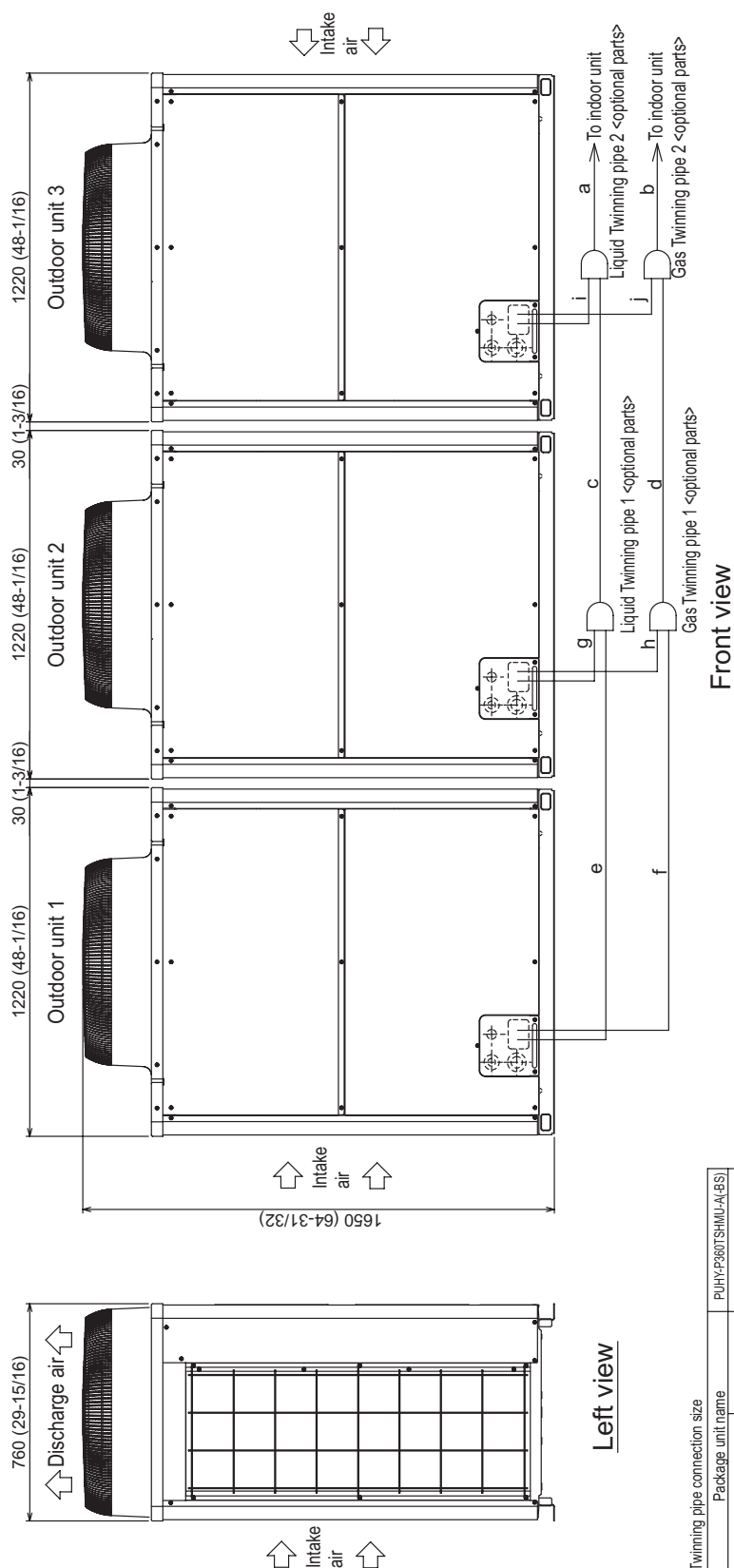
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
- Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).
- Note 5. Only use the Twinning pipe by Mitsubishi (optional parts).

Y-SERIES

PUHY-P360TSHMU-A(-BS)

Ref. : PUHY_TSHMU_EXD_USDB_P360

Unit : mm(in)



Twinning pipe connection size		PUHY-P360TSHMU-A(-BS)	
Package unit name		PUHY-P360TSHMU-A(-BS)	
Component unit name	Outdoor unit 1	PUHY-P360TSHMU-A(-BS)	
	Outdoor unit 2	PUHY-P360TSHMU-A(-BS)	
Outdoor Twinning Kit (optional parts)	Outdoor unit 3	PUHY-P360TSHMU-A(-BS)	
	Indoor unit ~ Twinning pipe 2	CNY-7300/BK2	
Twinning pipe 1 ~ Twinning pipe 2	Liquid	ø19.05 (3/4)	
	Gas	ø41.28 (1-5/8)	
Twinning pipe 1 ~ Twinning pipe 2	Liquid	ø19.05 (3/4)	
	Gas	ø34.93 (1-3/8)	

	Unit model	Liquid	Gas
		e or g or i	f or h or j
Twinning pipe ~ Outdoor unit	P120	ø12.7 (1/2)	ø22.2 (7/8)

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

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

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

4. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).

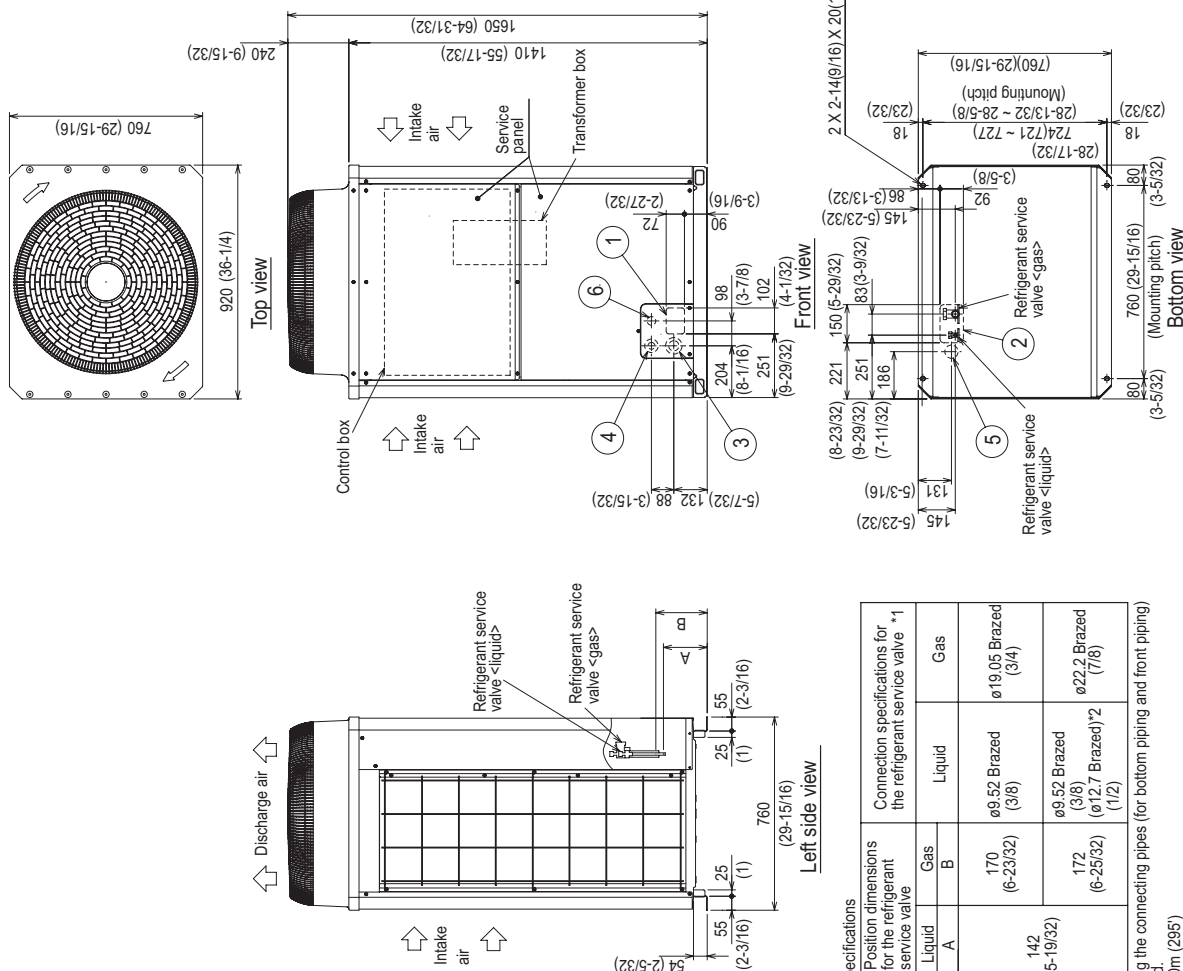
5. Only use the Twinning pipe by Mitsubishi (optional parts).

PUHY-P72,96YHMu-A(-BS)

Ref. : PUHY_YHMu-A_EXD_USDB_P72-96_Y1
Unit : mm(in)

- <Accessories>
 ● Connecting pipe (IDø25.4(1) X ODø25.4(1))..... P72,P96 1pc.
 - Elbow (IDø25.4(1) X ODø19.05(3/4))..... P72 1pc.
 - Pipe (IDø25.4(1) X ODø22.2(7/8))..... P96 1pc.
 <Liquid> - Pipe (IDø9.52(3/8) X ODø9.52(3/8))..... P72,P96 1pc.

Note1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).



NO.	Usage	Specifications
①	Front through hole	102 X 72 Knockout hole (4-1/32) (2-27/32)
②	Bottom through hole	150 X 92 Knockout hole (5-23/32) (3-5/16)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø52 Knockout hole (2-1/16)
⑥	Front through hole	ø34 Knockout hole (1-11/32)

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	Liquid A	Gas B	Liquid	Gas
PUHY-P72YHMu (-BS)	142 (5-19/32)	170 (6-23/32)	ø9.52 Braze (3/8)	ø19.05 Braze (3/4)
PUHY-P96YHMu (-BS)	172 (6-25/32)	172 (6-25/32)	ø9.52 Braze (3/8) ø12.7 Braze (1/2)	ø22.2 Braze (7/8)

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
 *2 Total length ≥ 90m (295')

PUHY-P72,96YHMu-A(-BS)

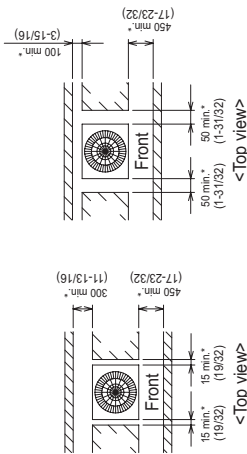
Ref. : PUHY_YHMu-A_EXD_USDB_P72-96_Y2
Unit : mm(in)

Y-SERIES

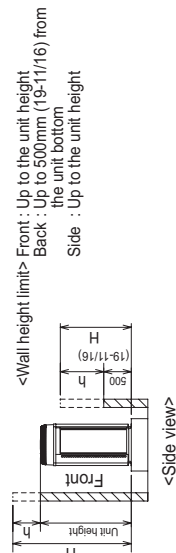
1. Required space around the unit

● In case of single installation

- Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm (11-13/16) to the wall on the back of the unit



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



2. Foundation work

- Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
 - Note that the drain water comes out of the unit during operation.
- Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)
 - When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- The protrusion length of the anchor bolt must not exceed 30mm (1-3/16). (Fig.A)
- Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- 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>.
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

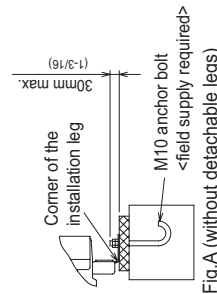
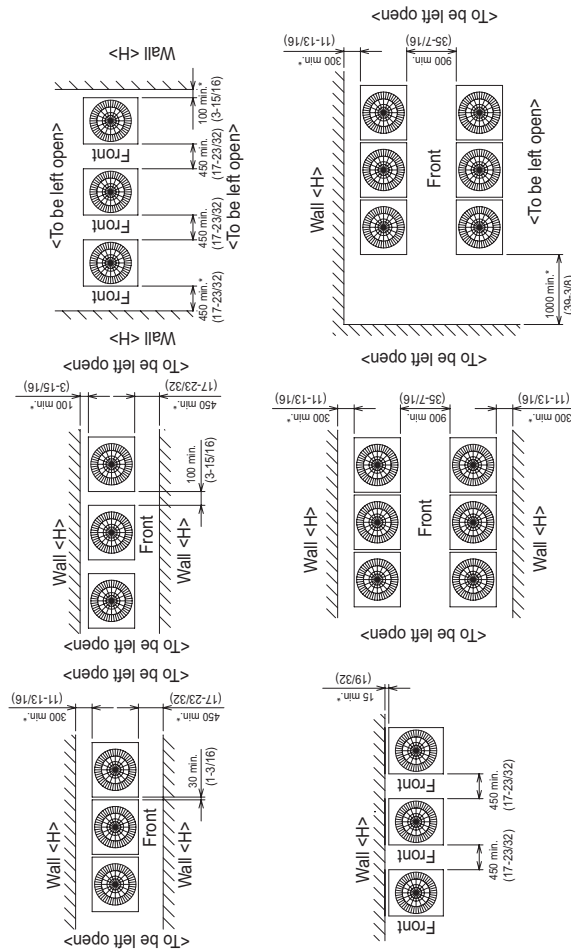


Fig.A (without detachable legs)

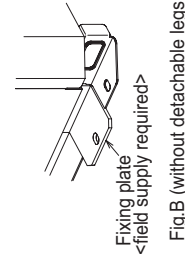


Fig.B (without detachable legs)

DATA U4

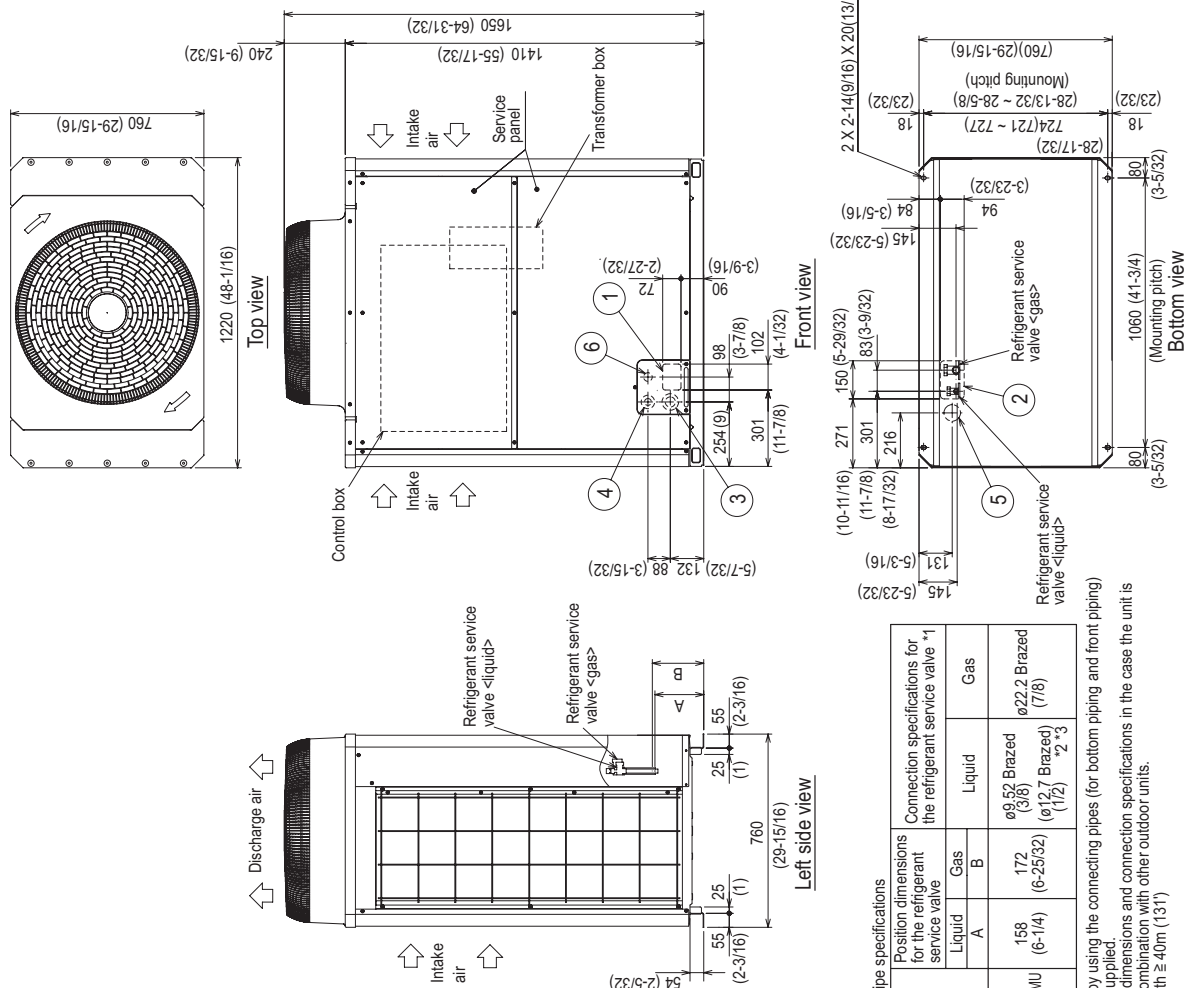
Ref. : PUHY_YHMu-A_EXD_USDB_P120_Y1
Unit : mm(in)

<Accessories>
 ● Connecting pipe
 <Gas> Elbow (IDø25.4(1) X ODø25.4(1)) 1pc.
 · Pipe (IDø25.4(1) X ODø22.2(7/8)) 1pc.
 <Liquid> · Pipe (IDø15.88(5/8) X ODø9.52(3/8)) 1pc.
 · Pipe (IDø15.88(5/8) X ODø12.7(1/2)) 1pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

NO.	Usage	Specifications
①	Front through hole	102 X 72 Knockout hole (4-1/32) (2-27/32)
②	For pipes	Bottom through hole 150 X 94 Knockout hole (5-29/32)(3-23/32)
③	Front through hole	Front through hole ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	For wires	Front through hole ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	For transmission cables	Front through hole ø34 Knockout hole (1-11/32)



*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
 *2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
 *3 Total length $\geq 40\text{m}$ (131')

*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

*3 Total length $\geq 40\text{m}$ (131')

Y-SERIES

PUHY-P120YHMU-A-(BS)

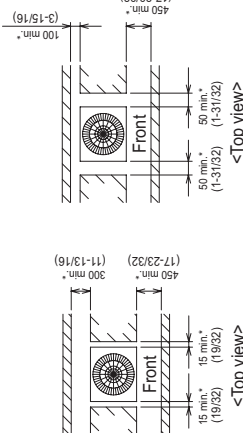
Ref. : PUHY_YHMU-A_EXD_USDB_P120_Y2
Unit : mm(in)

Y-SERIES

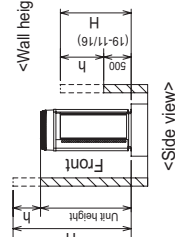
1. Required space around the unit

● In case of single installation

- Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm (11-13/16) to the wall on the back of the unit



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



2. Foundation work

- Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
 - Note that the drain water comes out of the unit during operation.
- Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- The protrusion length of the anchor bolt must not exceed 30mm (1-3/16). (Fig.A)
- Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- 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>.
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

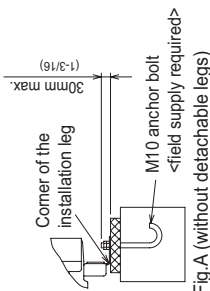
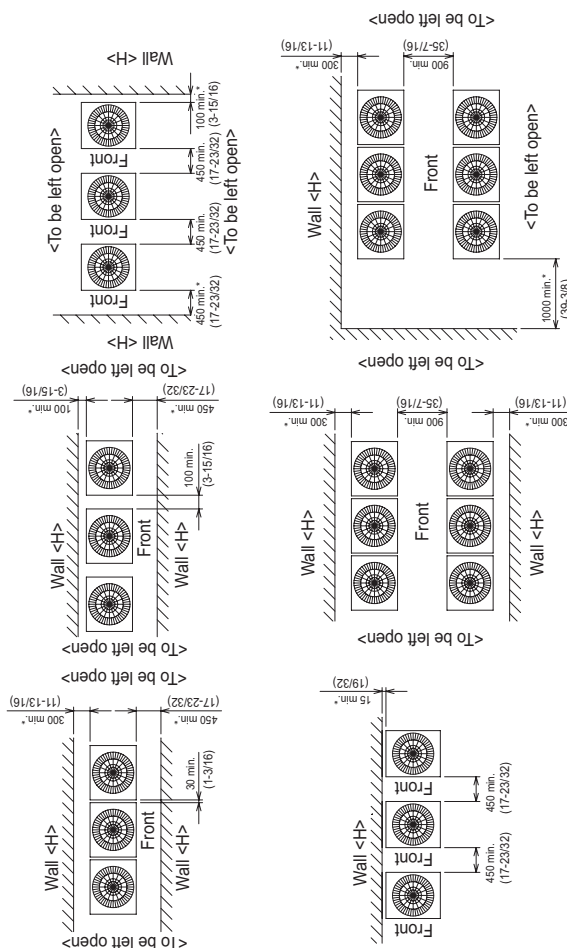


Fig. A (without detachable legs)

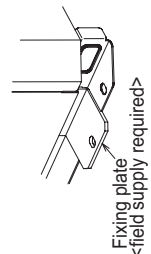
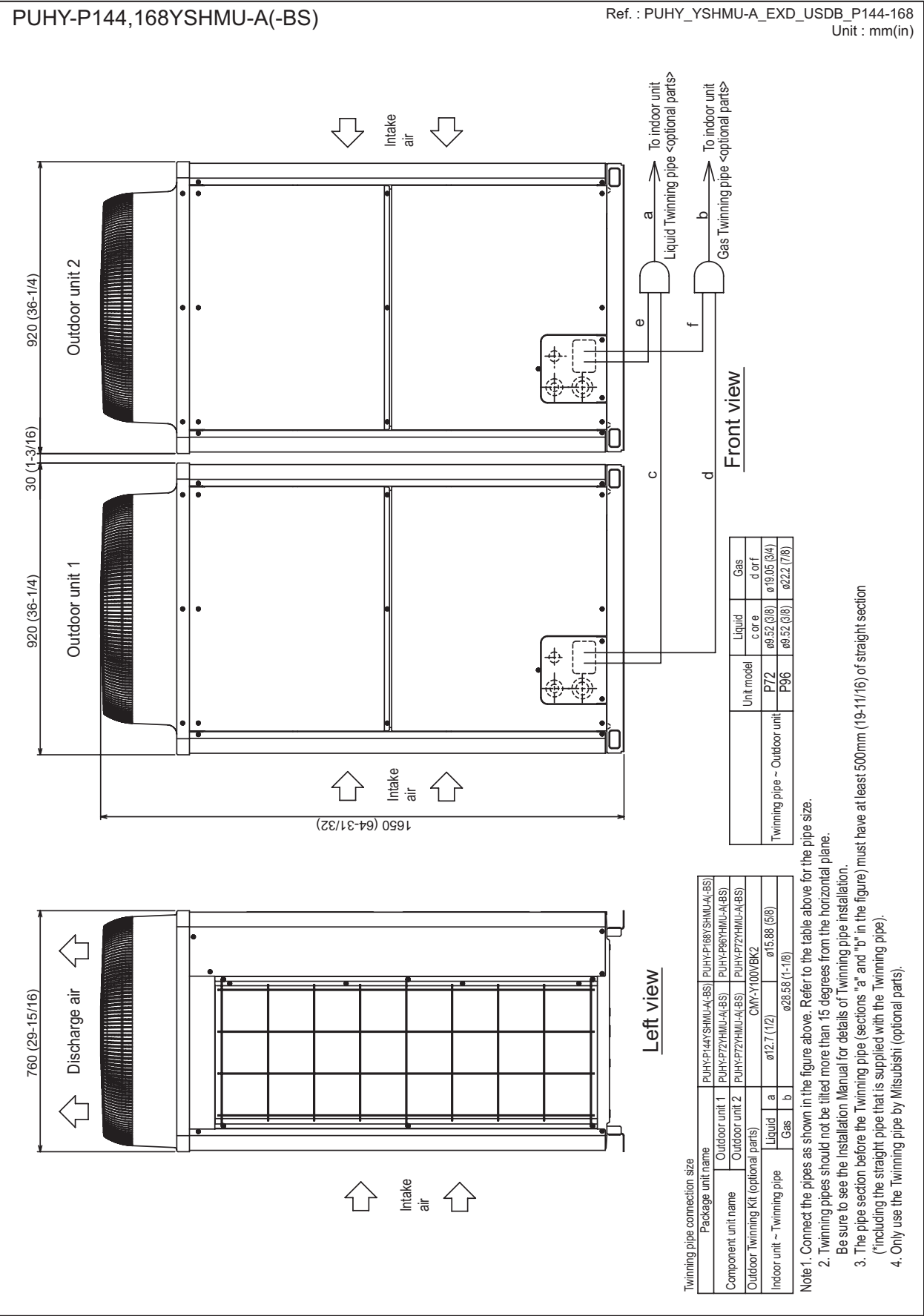


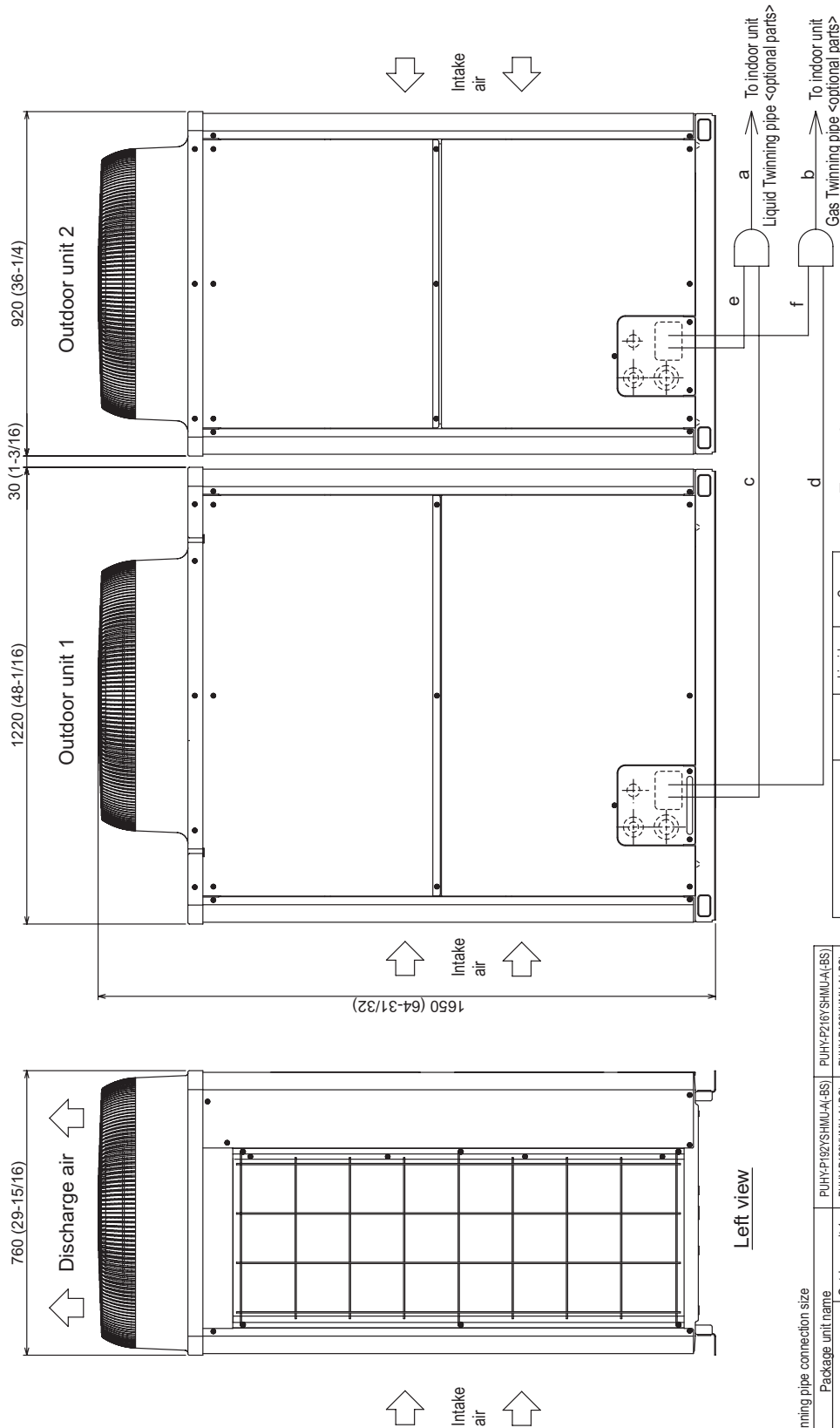
Fig. B (without detachable legs)



PUHY-P192,216YSHMU-A(-BS)

Ref. : PUHY_YSHMU_EXD_USDB_P192-216

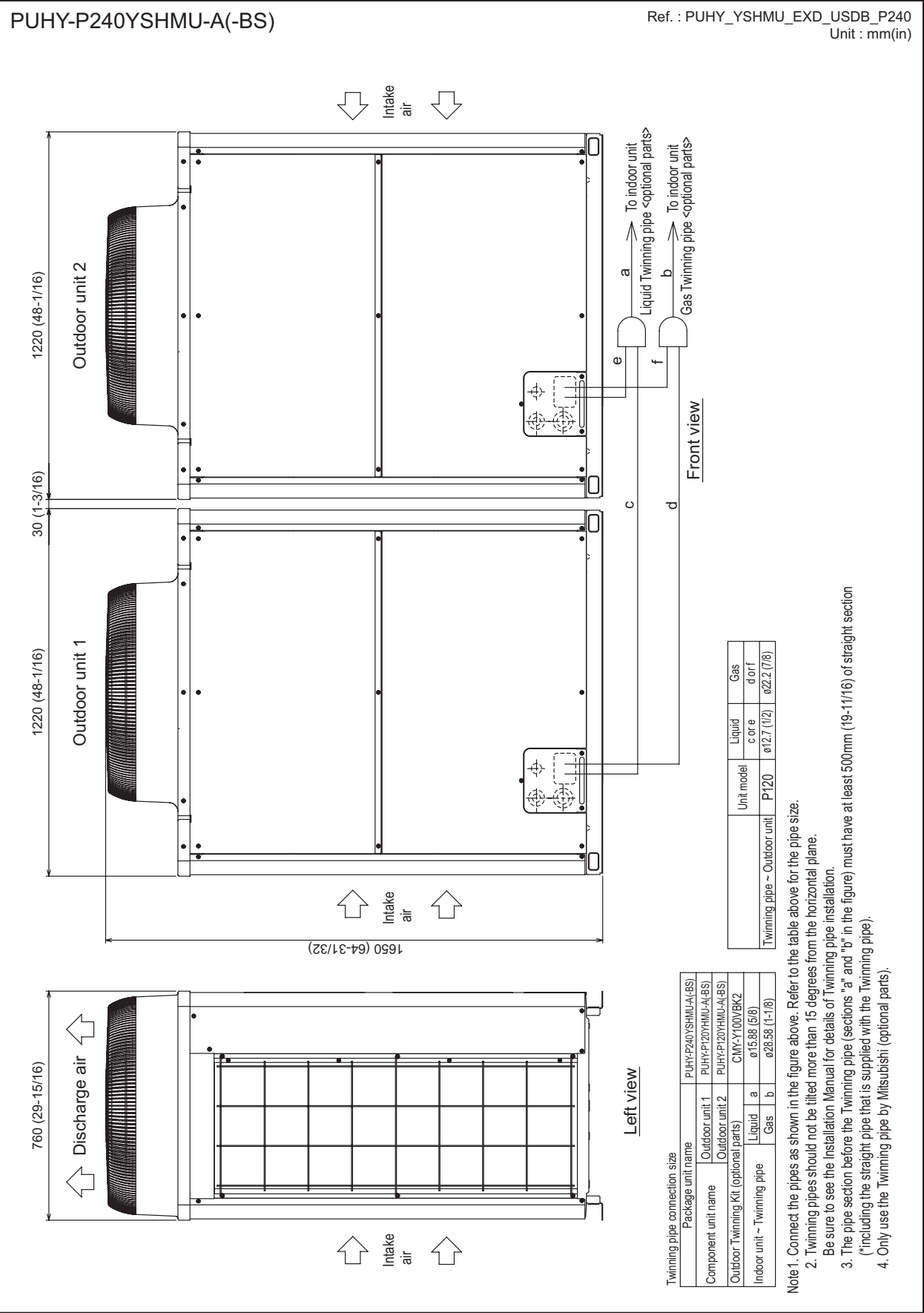
Unit : mm(in)



Unit model	Liquid	Gas
P72	ø52 (3/8)	ø19.05 (3/4)
P96	ø52 (3/8)	ø22.2 (7/8)
P120	ø52.7 (1/2)	ø22.2 (7/8)

Package unit name	PUHY-P192YSHMU-A(-BS)	PUHY-P216YSHMU-A(-BS)
Component unit name	Outdoor unit 1	Outdoor unit 2
Outdoor Twinning Kit (optional parts)	CMYCY100VBK2	
Indoor unit ~ Twinning pipe	Liquid a	Gas b
	ø15.88 (5/8)	ø28.58 (1-1/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
- Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).
- Note 5. Only use the Twinning pipe by Mitsubishi (optional parts).



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

2. Twining pipes should not be tilted more than 15 degrees from the horizontal plane.

Be sure to see the Installation Manual for details of Twining pipe installation.

3. The pipe section before the Twining pipe (sections "a" and "b" in the figure) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twining pipe).

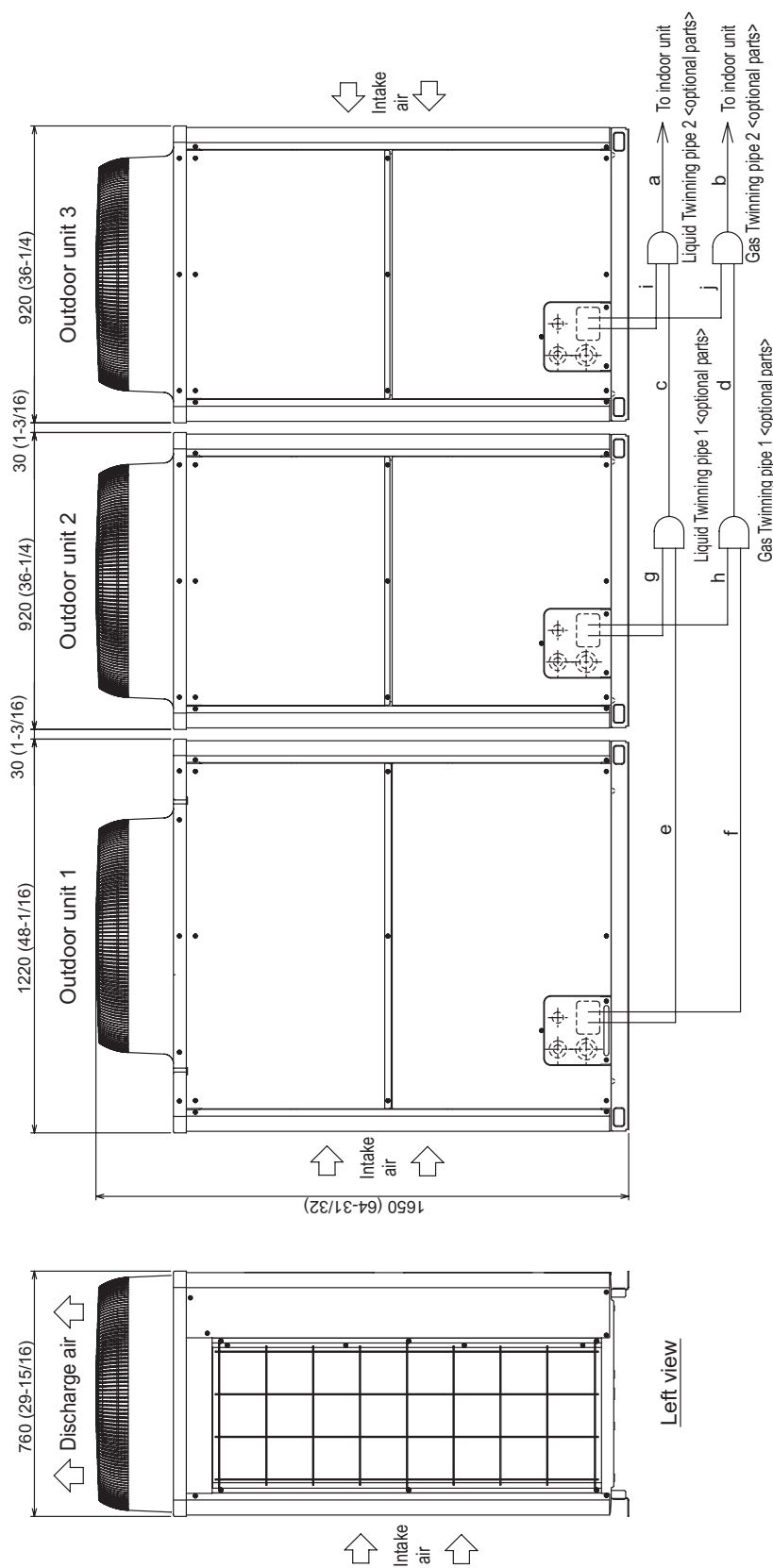
4. Only use the Twining pipe by Mitsubishi (optional parts).

Y-SERIES

PUHY-P264,288YSHMU-A(-BS)

Ref. : PUHY_YSHMU_EXD_USDB_P264-288

Unit : mm(in)



Front view

Left view

Twinning pipe connection size		PUHY-P264YSHMU-A(-BS)	PUHY-P288YSHMU-A(-BS)
Package unit name		PUHY-P264YSHMU-A(-BS)	PUHY-P288YSHMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P264YSHMU-A(-BS)	PUHY-P288YSHMU-A(-BS)
	Outdoor unit 2	PUHY-P264YSHMU-A(-BS)	PUHY-P288YSHMU-A(-BS)
Outdoor Twinning Kit (optional parts)	Outdoor unit 3	PUHY-P264YSHMU-A(-BS)	PUHY-P288YSHMU-A(-BS)
	Indoor unit ~ Twinning pipe 2	CMY-Y300VBK2	CMY-Y300VBK2
Twinning pipe 1 ~ Twinning pipe 2	Liquid	ø19.05 (3/4)	ø19.05 (3/4)
	Gas	ø34.93 (1-3/8)	ø34.93 (1-3/8)
Twinning pipe 1 ~ Twinning pipe 2	Liquid	ø19.05 (3/4)	ø19.05 (3/4)
	Gas	ø34.93 (1-3/8)	ø34.93 (1-3/8)

Unit model	Liquid	Gas
P72	ø19.05 (3/4)	ø19.05 (3/4)
P96	ø19.05 (3/4)	ø22.2 (7/8)
P120	ø22.2 (7/8)	ø22.2 (7/8)

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

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

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

3. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section

(*including the straight pipe that is supplied with the Twinning pipe).

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

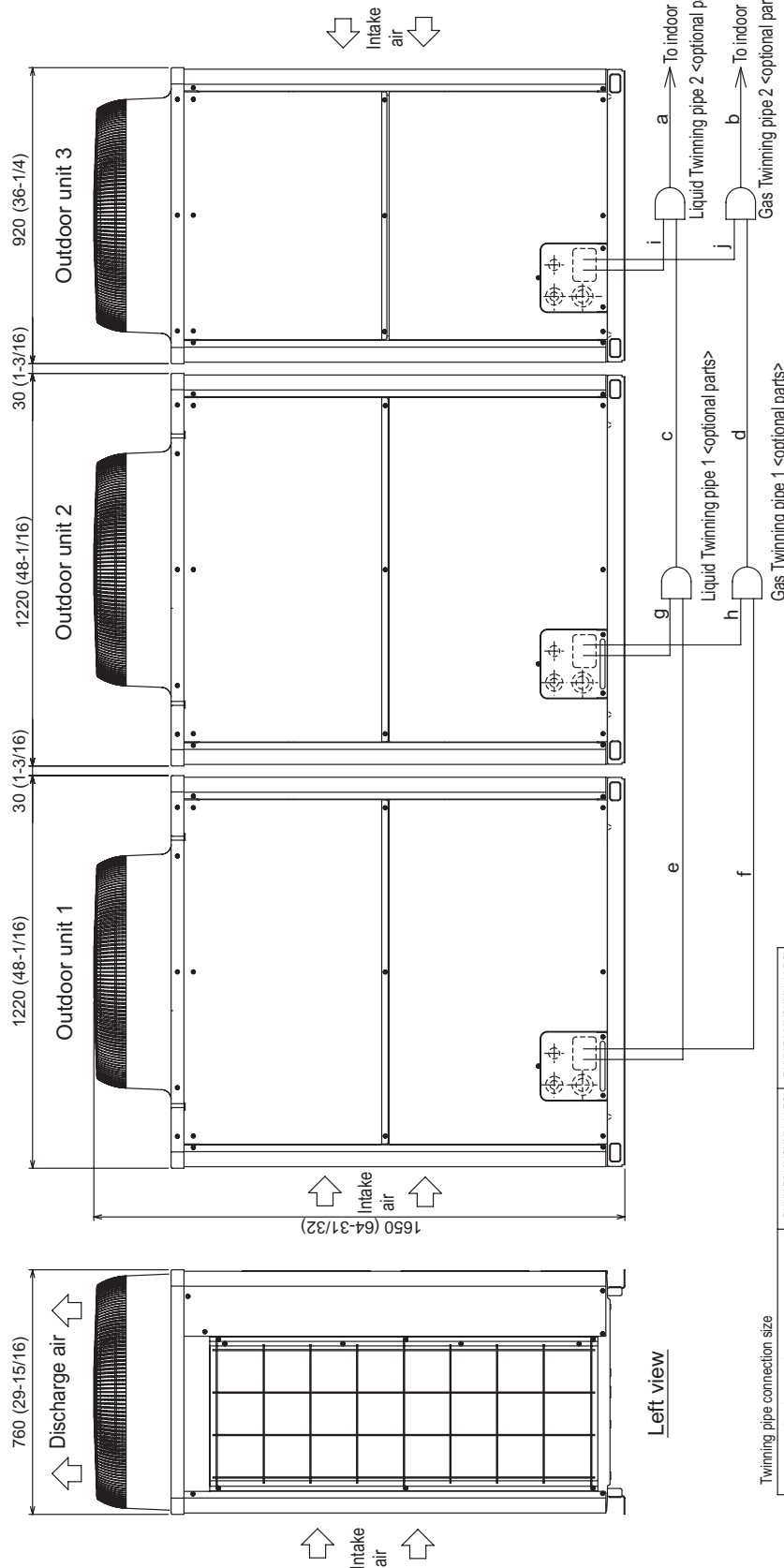
2. EXTERNAL DIMENSIONS

DATA U4

PUHY-P312,336YSHMU-A(-BS)

Ref. : PUHY_YSHMU-A_EXD_USDB_P312-336

Unit : mm(in)



Twinning pipe connection size		PUHY-P312YSHMU-A(-BS)	PUHY-P336YSHMU-A(-BS)
Package unit name	Outdoor unit 1	PUHY-P120YHMLA(-BS)	PUHY-P120YHMLA(-BS)
	Outdoor unit 2	PUHY-P120YHMLA(-BS)	PUHY-P120YHMLA(-BS)
Component unit name	Outdoor unit 3	PUHY-P120YHMLA(-BS)	PUHY-P120YHMLA(-BS)
	Outdoor unit 3	PUHY-P120YHMLA(-BS)	PUHY-P120YHMLA(-BS)
Outdoor Twinning Kit(optional parts)		CMY-Y300VBK2	
Indoor unit ~ Twinning pipe 2	Liquid	a	ø19.05 (3/4)
	Gas	b	ø41.28 (1-5/8)
Twinning pipe 1 ~ Twinning pipe 2	Liquid	c	ø19.05 (3/4)
	Gas	d	ø34.93 (1-3/8)

Unit model	Liquid	Gas
P72	e or g or i ø9.52 (3/8)	f or h or j ø19.05 (3/4)
P96	ø9.52 (3/8)	ø22.2 (7/8)
P120	ø12.7 (1/2)	ø22.2 (7/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section
 (*including the straight pipe that is supplied with the Twinning pipe).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

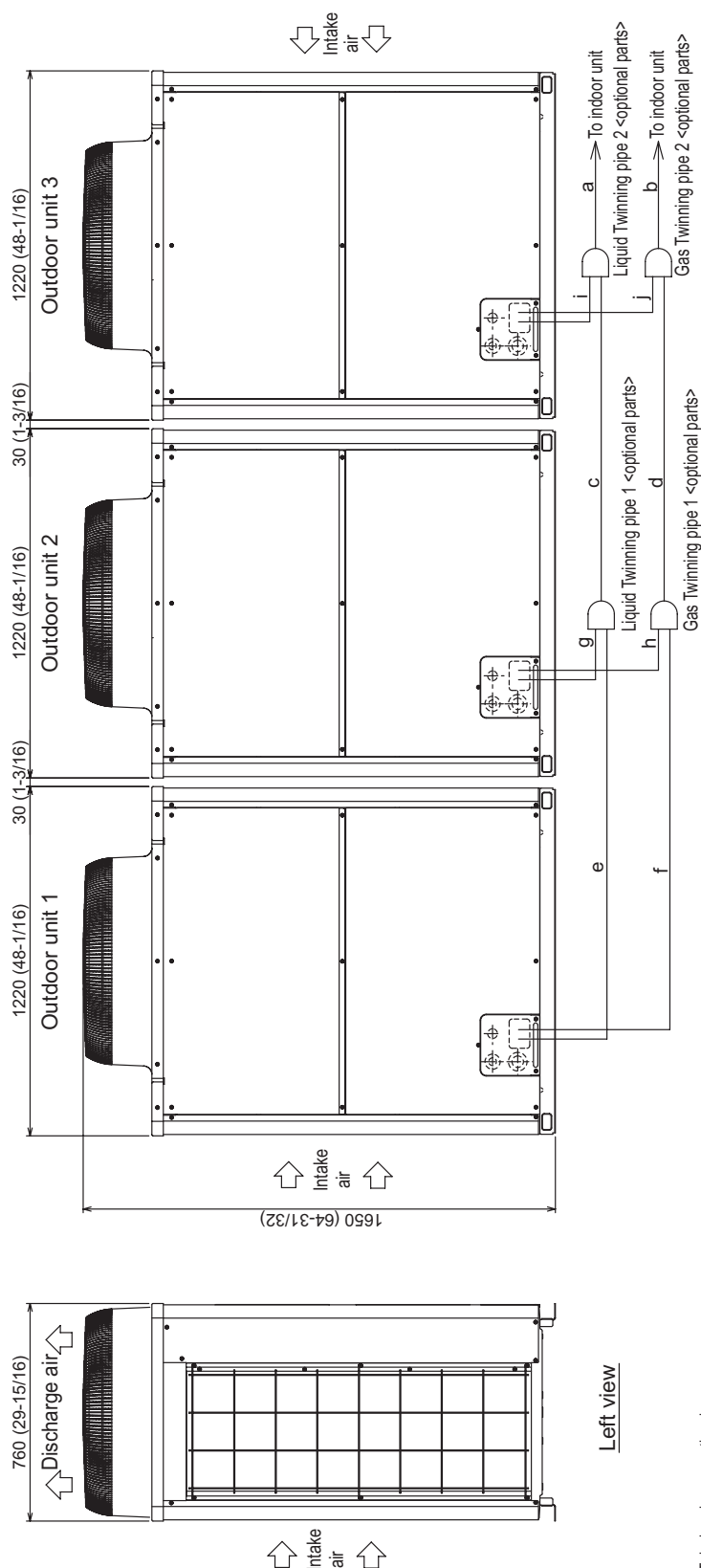
Y-SERIES

PUHY-P360YSHMU-A(-BS)

Ref. : PUHY_YSHMU-A_EXD_USDB_P360

Unit : mm(in)

Y-SERIES



Front view

Twinning pipe connection size

Package unit name		PUHY-P360YSHMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P120YSHMU-A(-BS)
	Outdoor unit 2	PUHY-P120YSHMU-A(-BS)
Outdoor Twinning Kit(optional parts)	Outdoor unit 3	PUHY-P120YSHMU-A(-BS)
	Liquid	CWY-Y300VBK2
Indoor unit ~ Twinning pipe 2	a	ø19.05 (3/4)
	b	ø41.28 (1-5/8)
Twinning pipe 1 ~ Twinning pipe 2	Liquid	ø19.05 (3/4)
	Gas	ø34.93 (1-3/8)

Unit model		P120
Twinning pipe ~ Outdoor unit	Liquid e or g or i	ø12.7 (1/2)
	Gas f or h or j	ø22.2 (7/8)

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

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

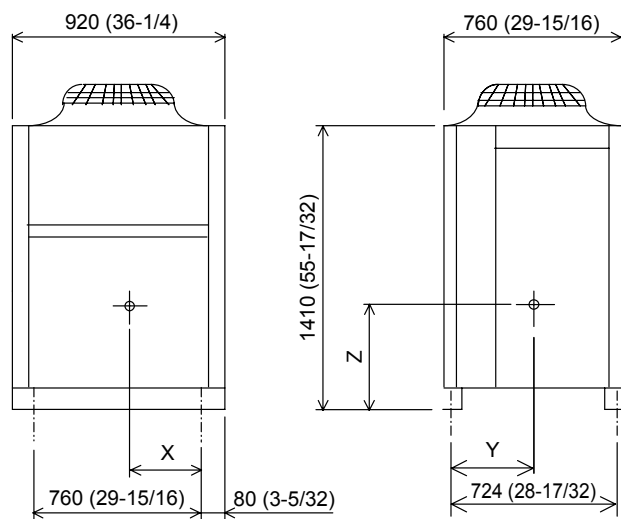
Be sure to see the Installation Manual for details of Twinning pipe installation.

3. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm (19-11/16) of straight section

(*including the straight pipe that is supplied with the Twinning pipe).

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

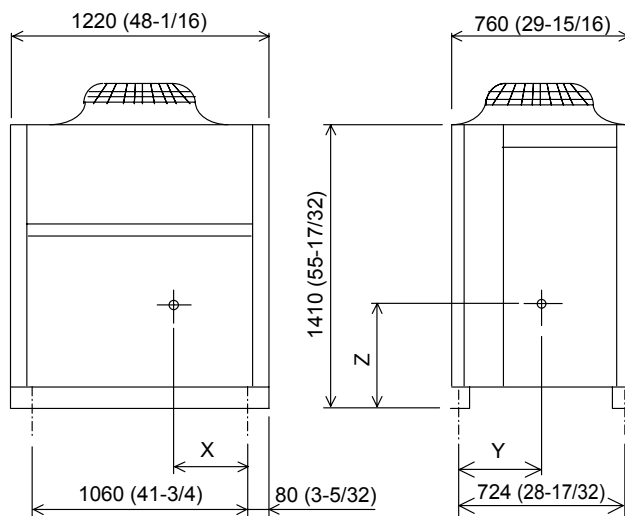
PUHY-P72,96THMU-A (-BS)
PUHY-P72,96YHMu-A (-BS)



Unit : mm[in]

Model	X	Y	Z
PUHY-P72THMU-A (-BS)	334[13-5/32]	329[12-31/32]	592[23-5/16]
PUHY-P96THMU-A (-BS)	334[13-5/32]	329[12-31/32]	592[23-5/16]
PUHY-P72YHMu-A (-BS)	327[12-7/8]	321[12-21/32]	608[23-15/16]
PUHY-P96YHMu-A (-BS)	327[12-7/8]	321[12-21/32]	608[23-15/16]

PUHY-P120THMU-A (-BS)
PUHY-P120YHMu-A (-BS)



Unit : mm[in]

Model	X	Y	Z
PUHY-P120THMU-A (-BS)	440[17-11/32]	329[12-31/32]	570[22-15/32]
PUHY-P120YHMu-A (-BS)	429[16-29/32]	321[12-21/32]	584[23]

Ref. : PUHY_YHMu-A_COg_USDB_ALL

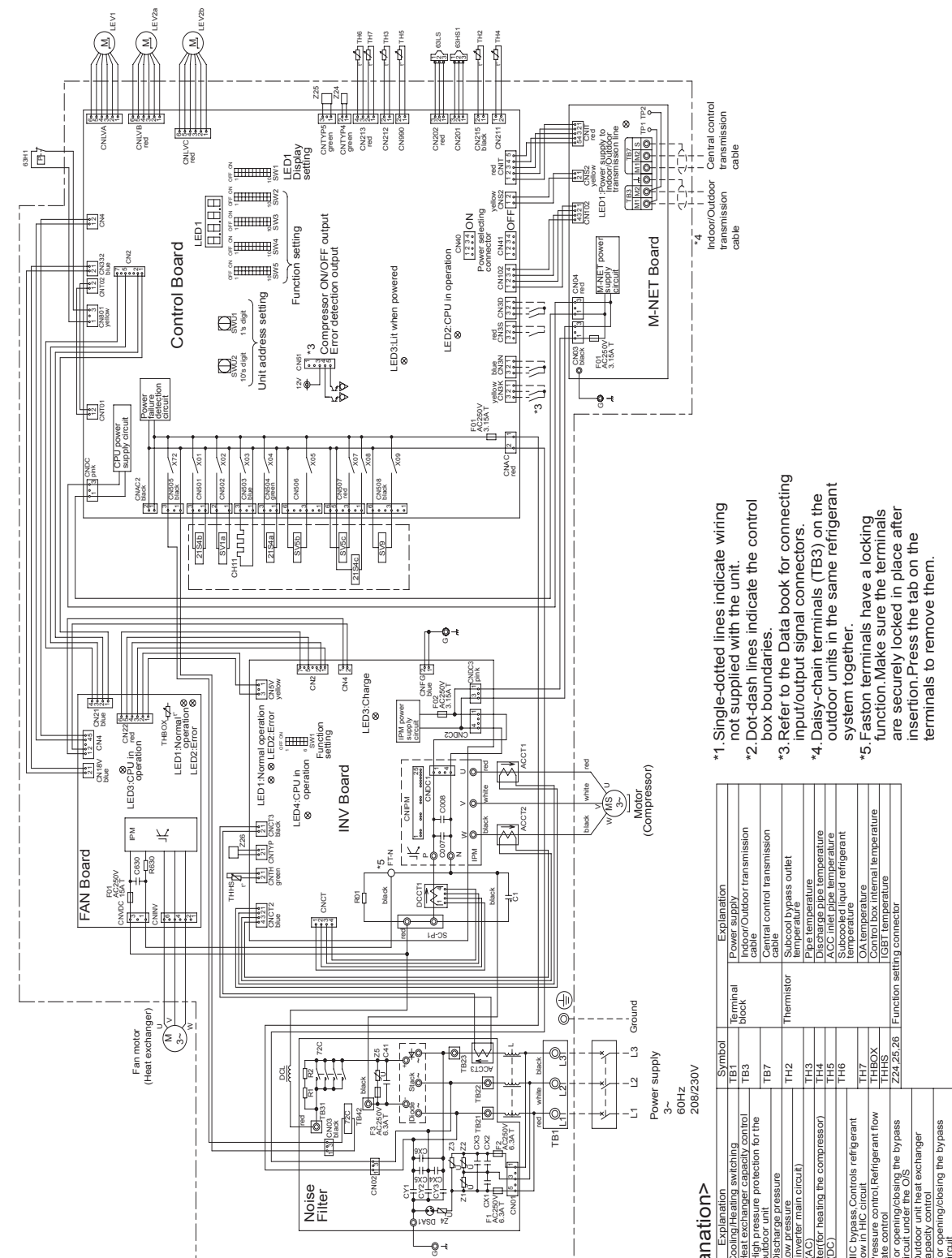
Ref.:PUHY THMU-A EWD USDB P72-96



Symbol	Explanation	Symbol	Explanation
21S4a	4-way valve	TB1	Terminal block
21S4b	Heat exchanger capacity control	TB3	Indoor/Outdoor transmission cable
63H1	Pressure switch	TB7	Central control transmission cable
63HS1	Pressure switch	TH2	Subcool bypass outlet
63LS	Low pressure	TH3	Pipe temperature
G112.22.3	Magnetic float (water main circuit)	TH4	Discharge pipe temperature
G112.22.3	Current sensor(AC)	TH5	ACC inlet pipe temperature
DC1	Crankcase heater(for heating the compressor)	TH6	Subcooled liquid refrigerant temperature
LEV1	DC reactor	TH7	Oil temperature
LEV2a,b	Linear expansion valve	TH8	Pressure control
SV1a	For opening/closing the bypass circuit under the O/S	TH9	Pressure control
SV1b	Outdoor unit heat exchanger capacity control	Z24.25	Function setting connector
SV5	Solenoid valve		For opening/closing the bypass
SV9			

PUHY-P120THMU-A(-BS)

Ref.:PUHY_THMU-A_EWD_USDB_P120

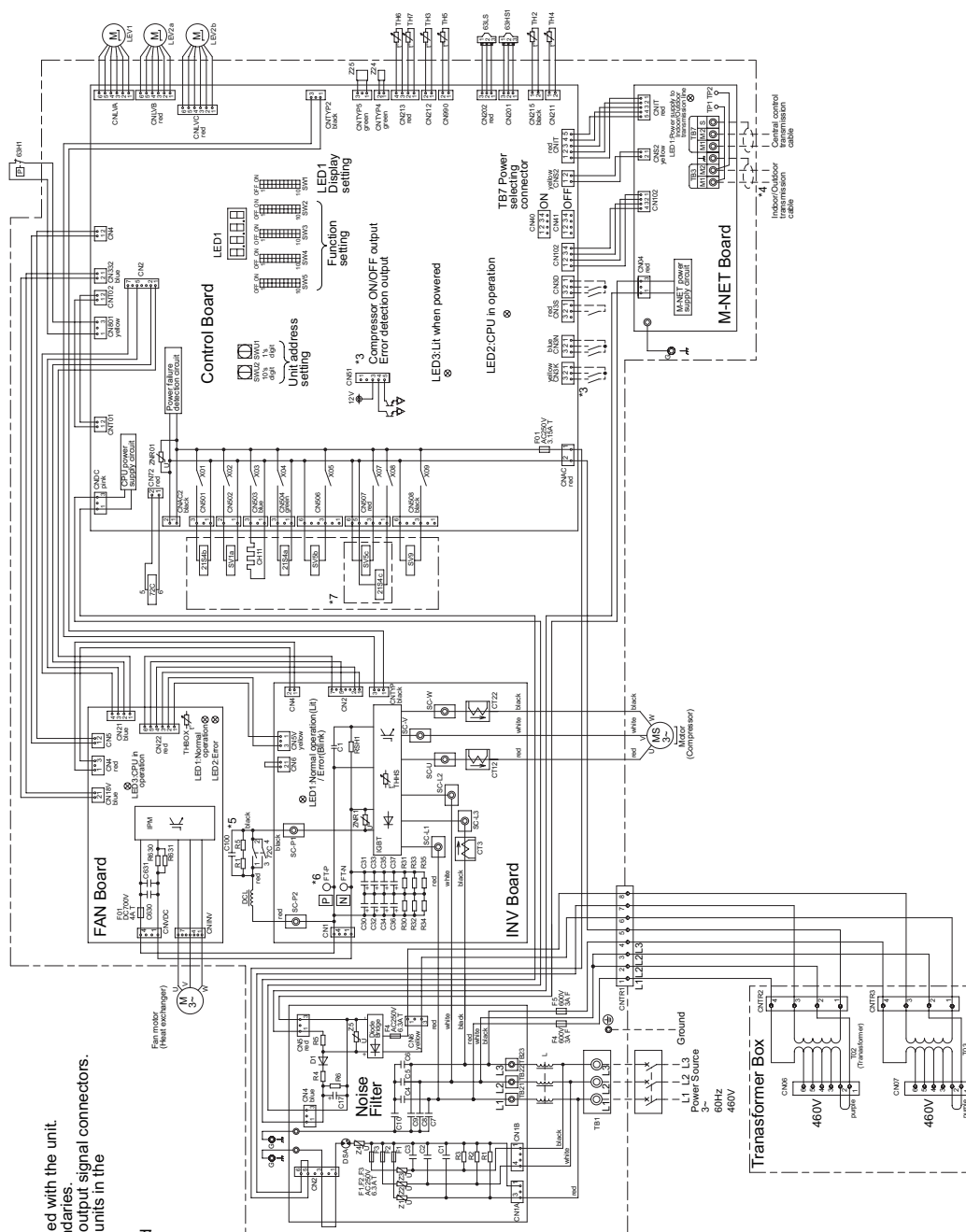


- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
-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

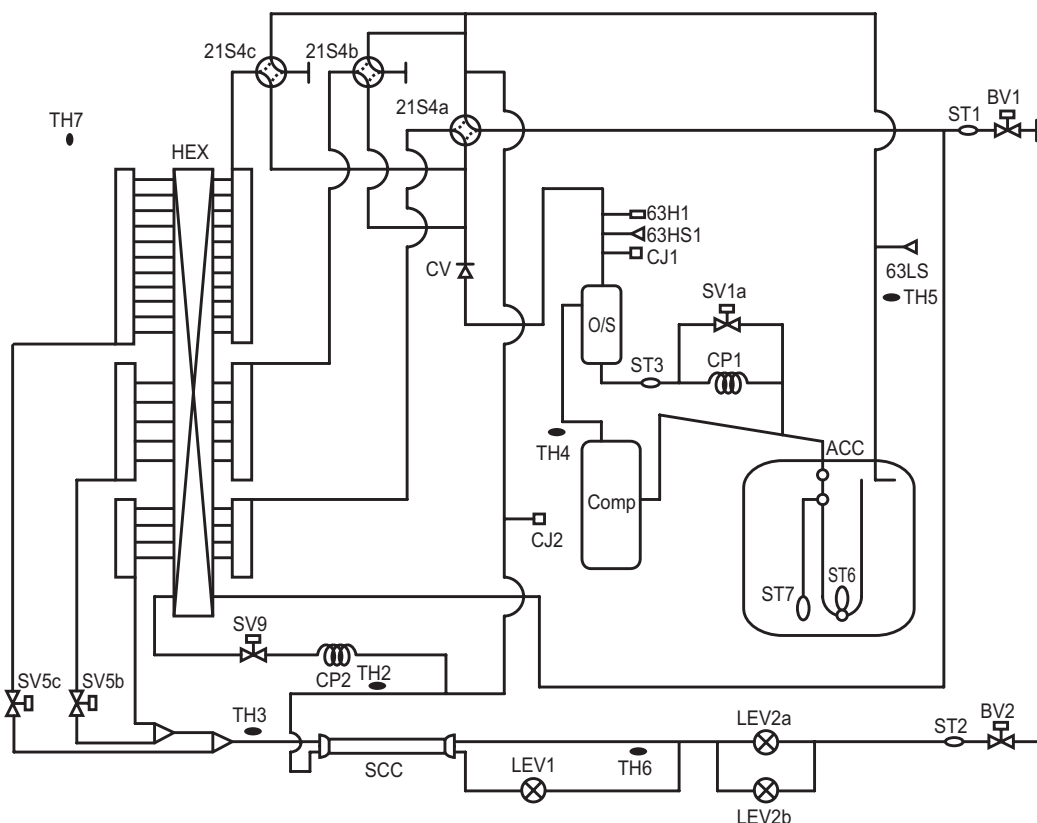
Y-SERIES

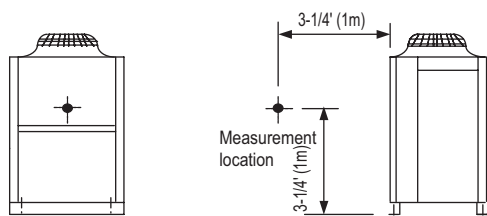
PUHY-P72,96,120YHMu-A(-BS)

Ref.:PUHY_YHMu-A_EWD_USDB_P72-120

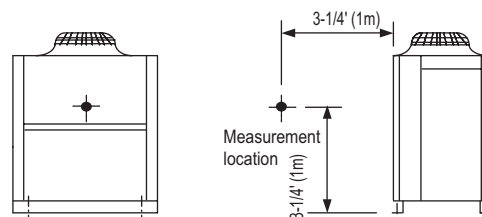


Y-SERIES

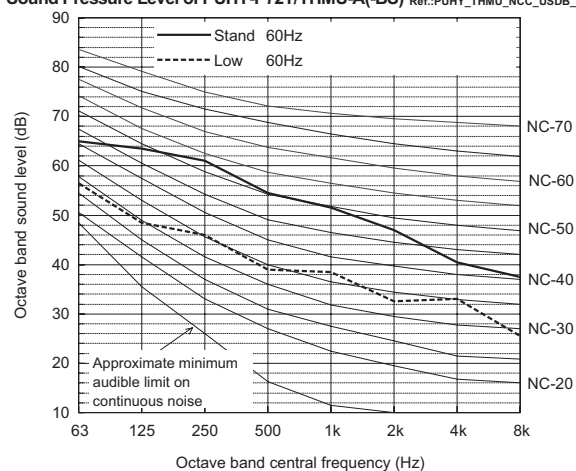


Measurement condition
PUHY-P72,96THMU/YHMU


Ref.:PUHY_THMU_NCC_USDB_Y1

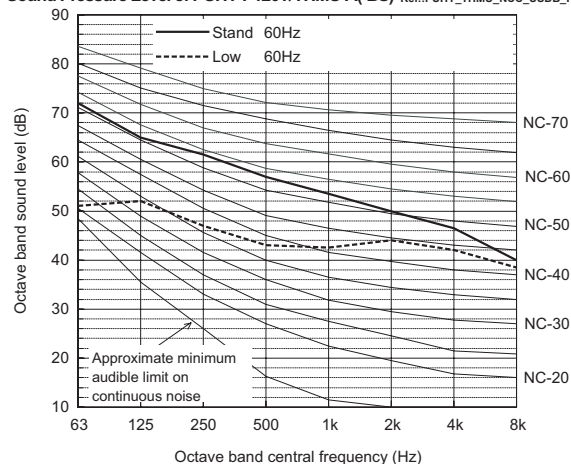
Measurement condition
PUHY-P120THMU/YHMU


Ref.:PUHY_THMU_NCC_USDB_Y2

Sound Pressure Level of PUHY-P72T/YHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P72


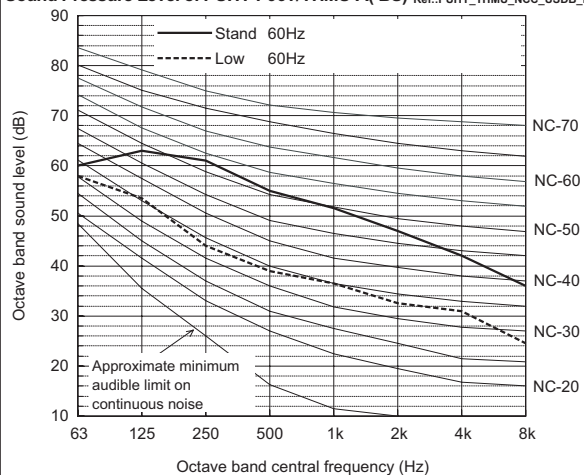
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.0	63.5	61.0	54.5	51.5	47.0	40.5	37.5	58.0
Low noise mode	60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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

Sound Pressure Level of PUHY-P120T/YHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P120


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

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

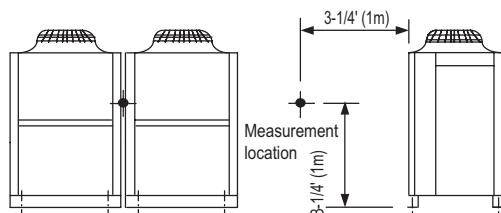
Sound Pressure Level of PUHY-P96T/YHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P96


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	60.0	63.0	61.0	55.0	51.5	47.0	42.0	36.0	58.0
Low noise mode	60Hz	58.0	53.5	44.0	39.0	36.5	32.5	31.0	24.5	44.0

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

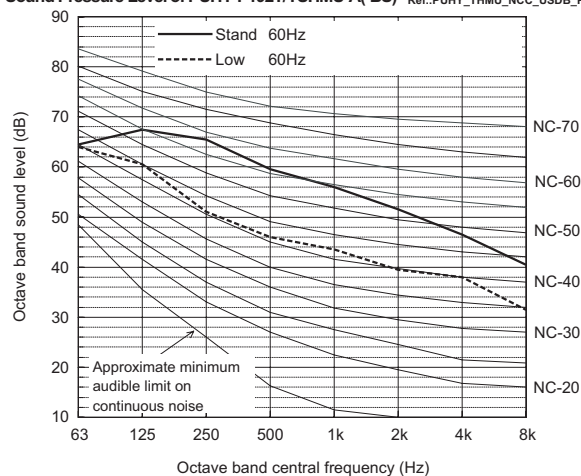
Measurement condition

PUHY-P144,168,192,216,240TSHMU/YSHMU



Ref.:PUHY_THMU_NCC_USDB_Y3

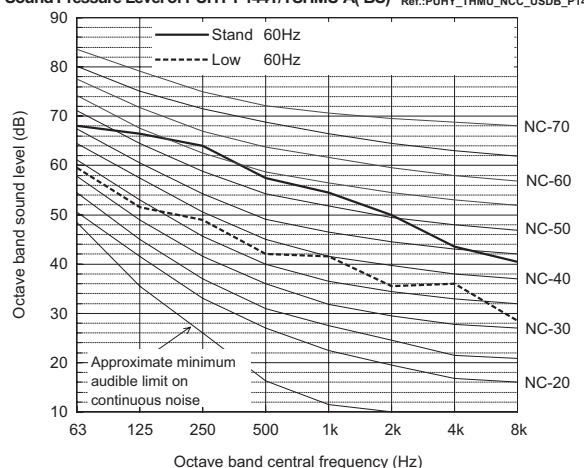
Sound Pressure Level of PUHY-P192T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P192



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	64.5	67.5	65.5	59.5	56.0	51.5	46.5	40.5	62.5
Low noise mode	60Hz	64.0	60.5	51.0	46.0	43.5	39.5	38.0	31.5	51.0

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

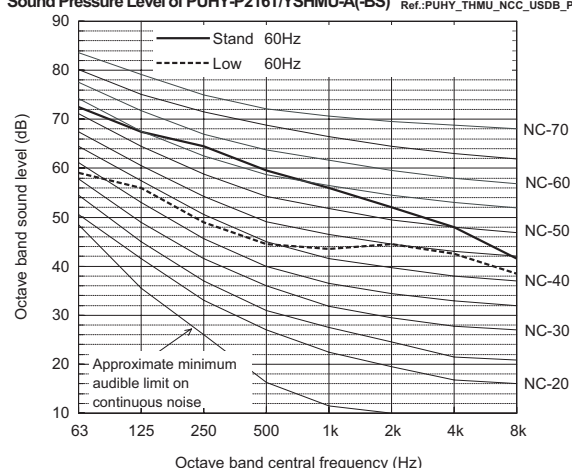
Sound Pressure Level of PUHY-P144T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P144



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	68.0	66.5	64.0	57.5	54.5	50.0	43.5	40.5	61.0
Low noise mode	60Hz	59.5	51.5	49.0	42.0	41.5	35.5	36.0	28.5	47.0

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

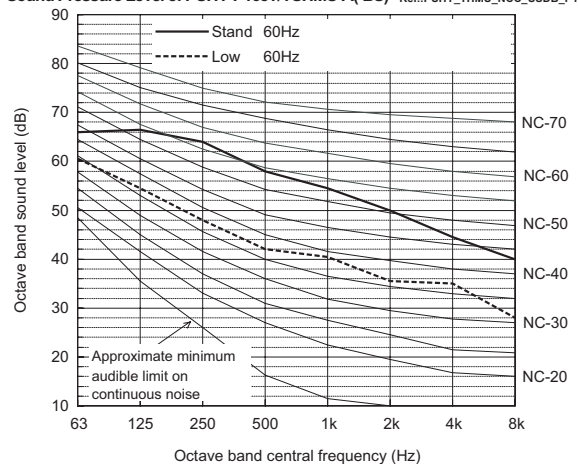
Sound Pressure Level of PUHY-P216T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P216



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.5	67.5	64.5	59.5	56.0	52.0	48.0	41.5	62.5
Low noise mode	60Hz	59.0	56.0	49.0	44.5	43.5	44.5	42.5	38.5	51.0

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

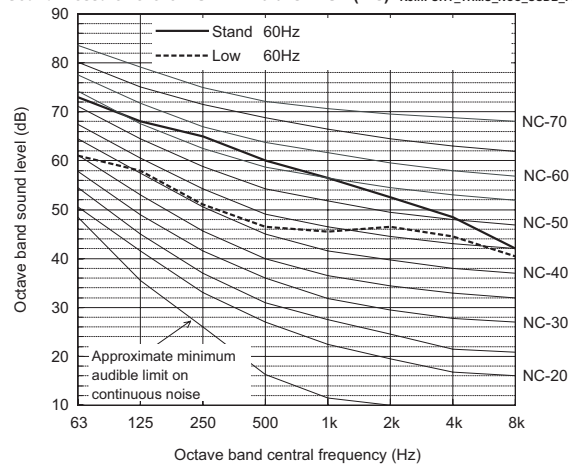
Sound Pressure Level of PUHY-P168T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P168



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	66.0	66.5	64.0	58.0	54.5	50.0	44.5	40.0	61.0
Low noise mode	60Hz	60.5	54.5	48.0	42.0	40.5	35.5	35.0	28.0	47.0

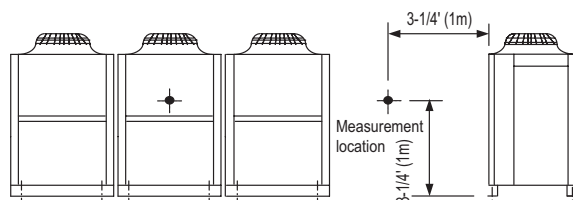
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound Pressure Level of PUHY-P240T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P240

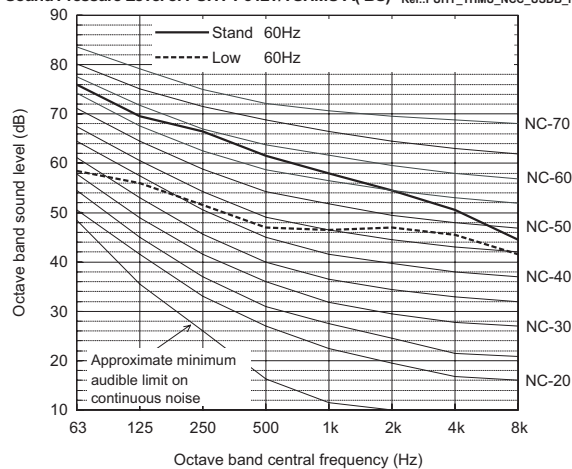


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	73.0	68.0	65.0	60.0	56.5	52.5	48.5	42.0	63.0
Low noise mode	60Hz	61.0	58.0	51.0	46.5	45.5	46.5	44.5	40.5	53.0

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

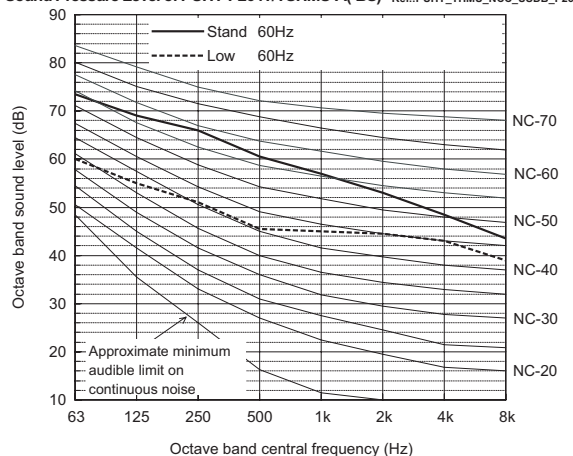
Measurement condition
PUHY-P264,288,312,336,360TSHMU/YSHMU


Ref.:PUHY_THMU_NCC_USDB_Y4

Sound Pressure Level of PUHY-P312T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P312


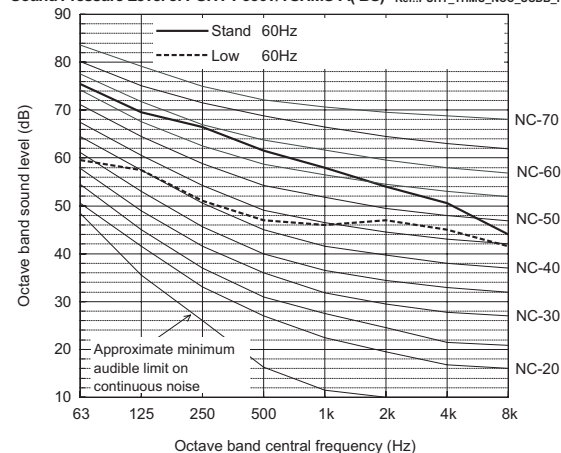
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	76.0	69.5	66.5	61.5	58.0	54.5	50.5	44.5	64.5
Low noise mode	60Hz	58.5	56.0	51.5	47.0	46.5	47.0	45.5	41.5	53.5

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

Sound Pressure Level of PUHY-P264T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P264


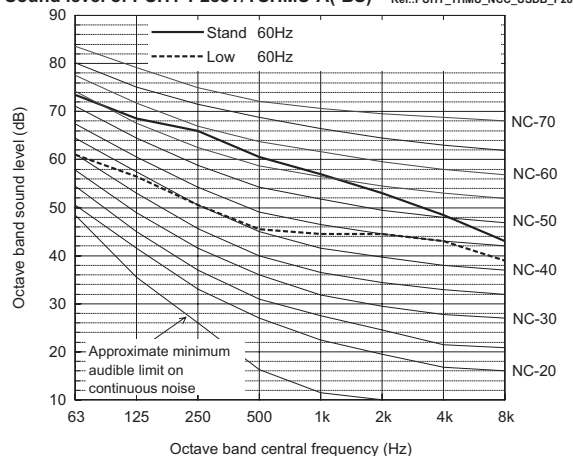
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	73.5	69.0	66.0	60.5	57.0	53.0	48.5	43.5	63.5
Low noise mode	60Hz	60.0	55.0	51.0	45.5	45.0	44.5	43.0	39.0	52.0

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

Sound Pressure Level of PUHY-P336T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P336


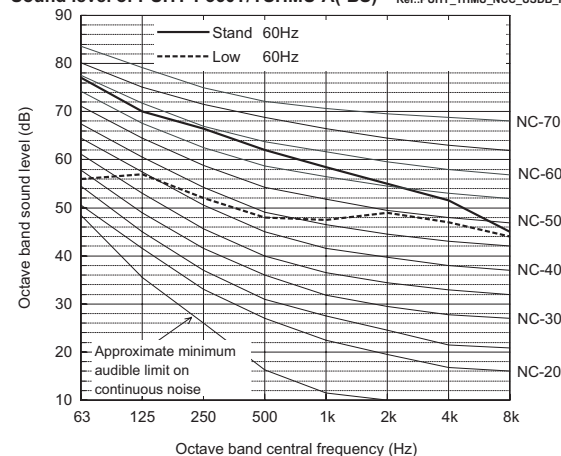
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	75.5	69.5	66.5	61.5	58.0	54.0	50.5	44.0	64.5
Low noise mode	60Hz	59.5	57.5	51.0	47.0	46.0	47.0	45.0	41.5	53.5

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

Sound level of PUHY-P288T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P288


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	73.5	68.5	66.0	60.5	57.0	53.0	48.5	43.0	63.5
Low noise mode	60Hz	61.0	56.5	50.5	45.5	44.5	44.5	43.0	39.0	52.0

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

Sound level of PUHY-P360T/YSHMU-A(-BS) Ref.:PUHY_THMU_NCC_USDB_P360


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

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

7. CAPACITY TABLES

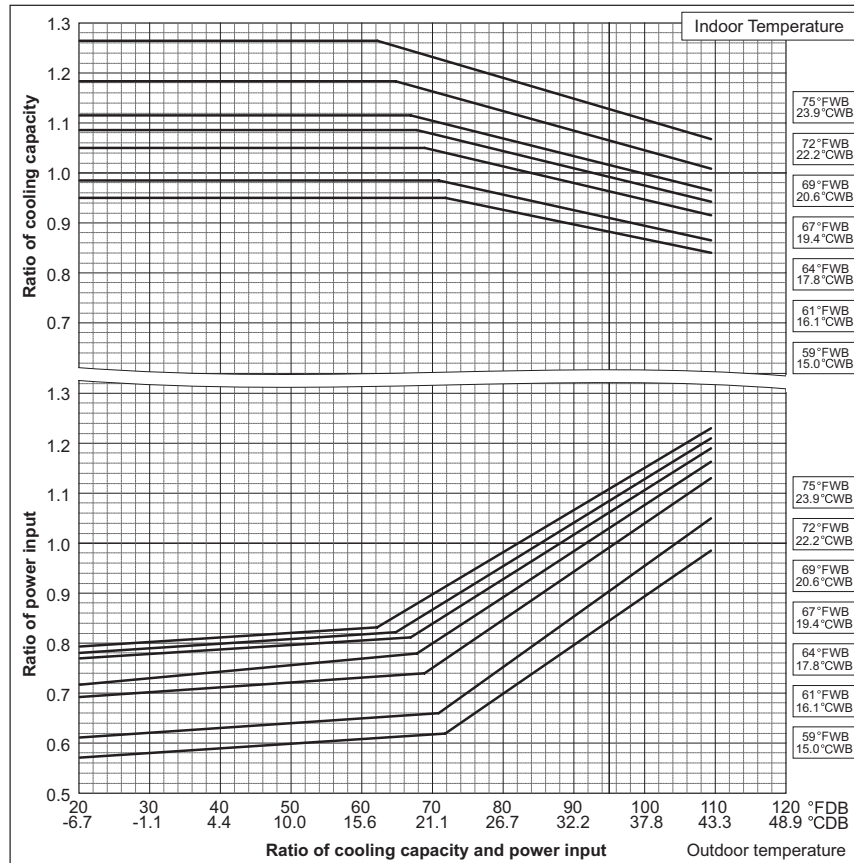
DATA U4

7-1. Correction by Temperature

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

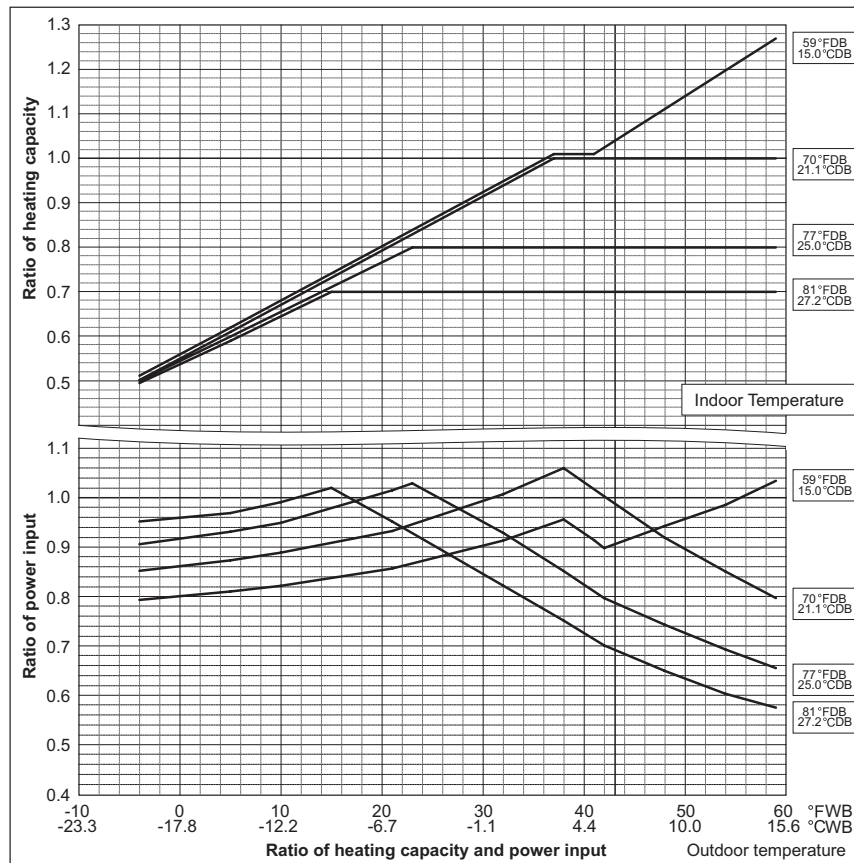
PUHY-		P72THMU	P96THMU
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.27	8.42

PUHY-		P72YHMU	P96YHMU
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.27	8.42



PUHY-		P72THMU	P96THMU
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	5.68	8.63

PUHY-		P72YHMU	P96YHMU
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	5.68	8.63



Ref:PUHY_THMU_C10_USDB_P72-96

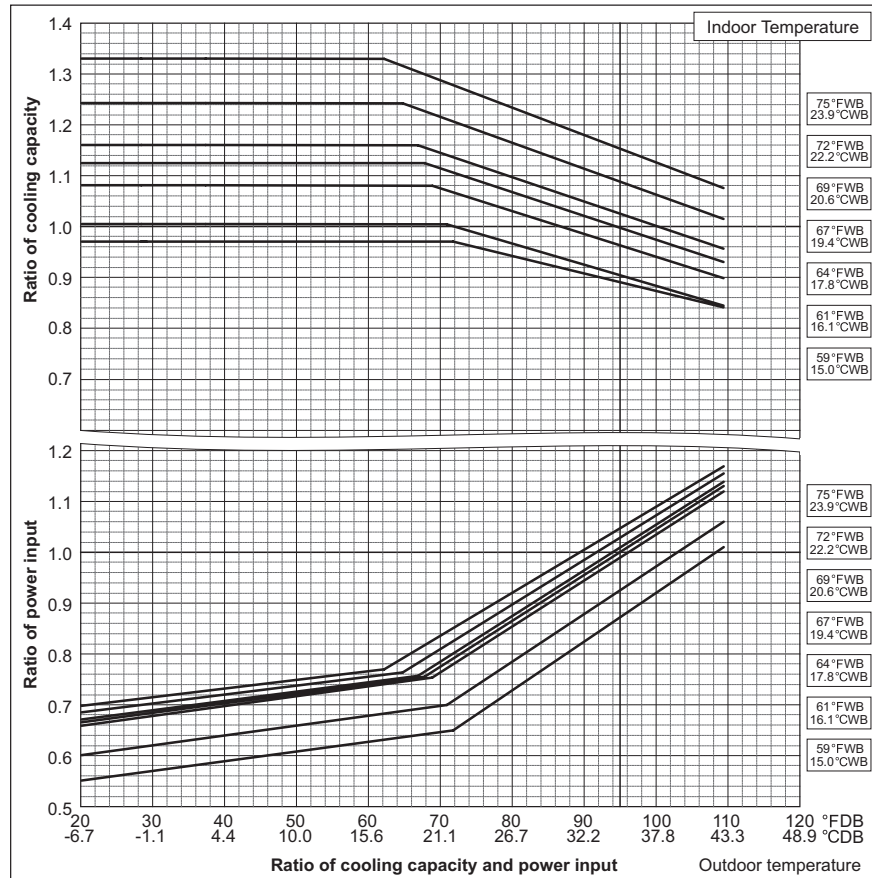
7. CAPACITY TABLES

DATA U4

Y-SERIES

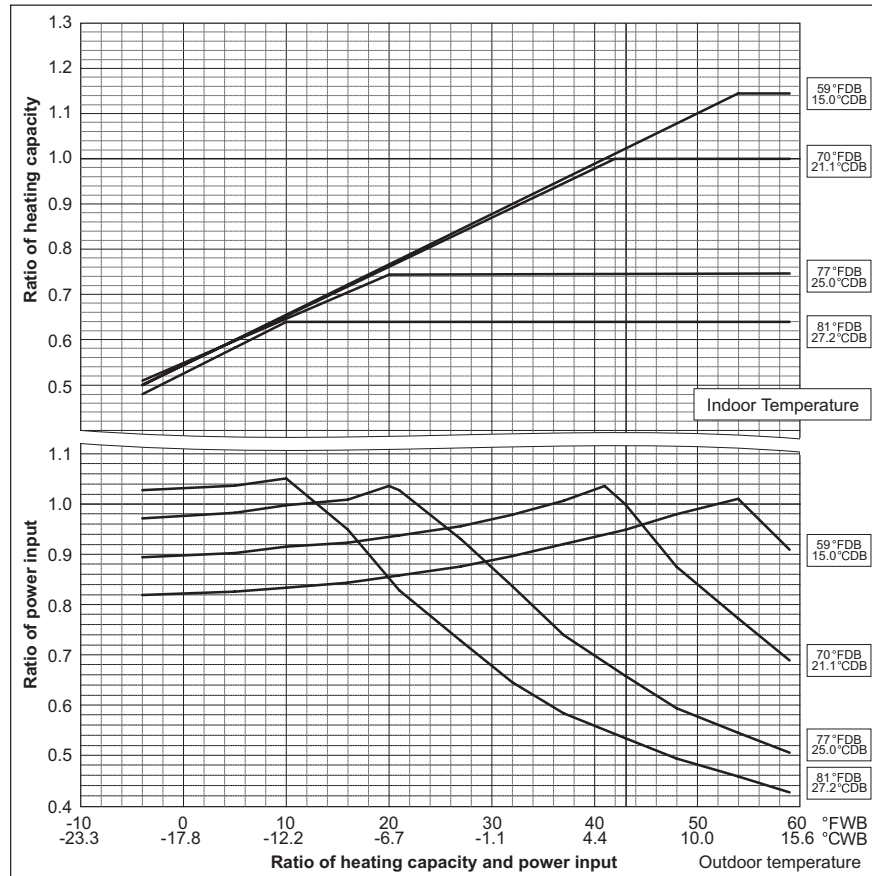
PUHY-		P120THMU	P144TSHMU
Nominal Cooling Capacity	kW	35.2	42.2
	BTU/h	120,000	144,000
Input	kW	10.11	10.87

PUHY-		P120YHMU	P144YSHMU
Nominal Cooling Capacity	kW	35.2	42.2
	BTU/h	120,000	144,000
Input	kW	10.11	10.87



PUHY-		P120THMU	P144TSHMU
Nominal Heating Capacity	kW	35.2	46.9
	BTU/h	120,000	160,000
Input	kW	9.26	11.69

PUHY-		P120YHMU	P144YSHMU
Nominal Heating Capacity	kW	35.2	46.9
	BTU/h	120,000	160,000
Input	kW	9.26	11.69



Ref:PUHY_THMU_C10_USDB_P120-144

7. CAPACITY TABLES

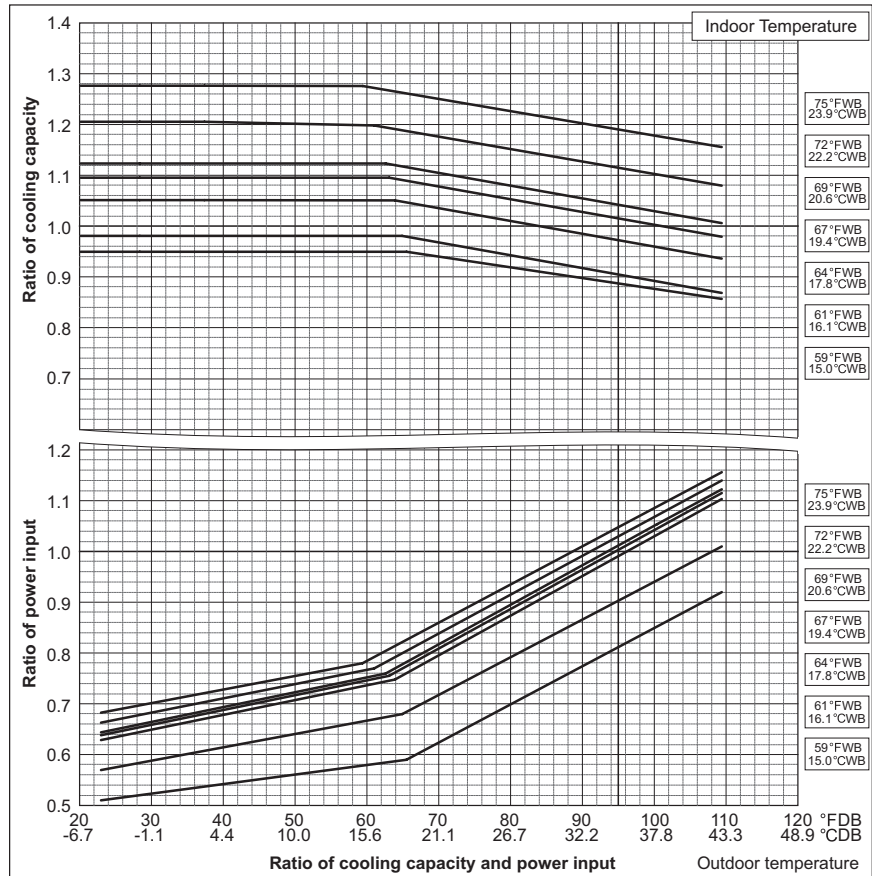
DATA U4

PUHY-		P168TSHMU	P192TSHMU
Nominal Cooling Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	14.11	15.84

PUHY-		P216TSHMU	P240TSHMU
Nominal Cooling Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	19.09	20.82

PUHY-		P168YSHMU	P192YSHMU
Nominal Heating Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	14.11	15.84

PUHY-		P216YSHMU	P240YSHMU
Nominal Heating Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	19.09	20.82

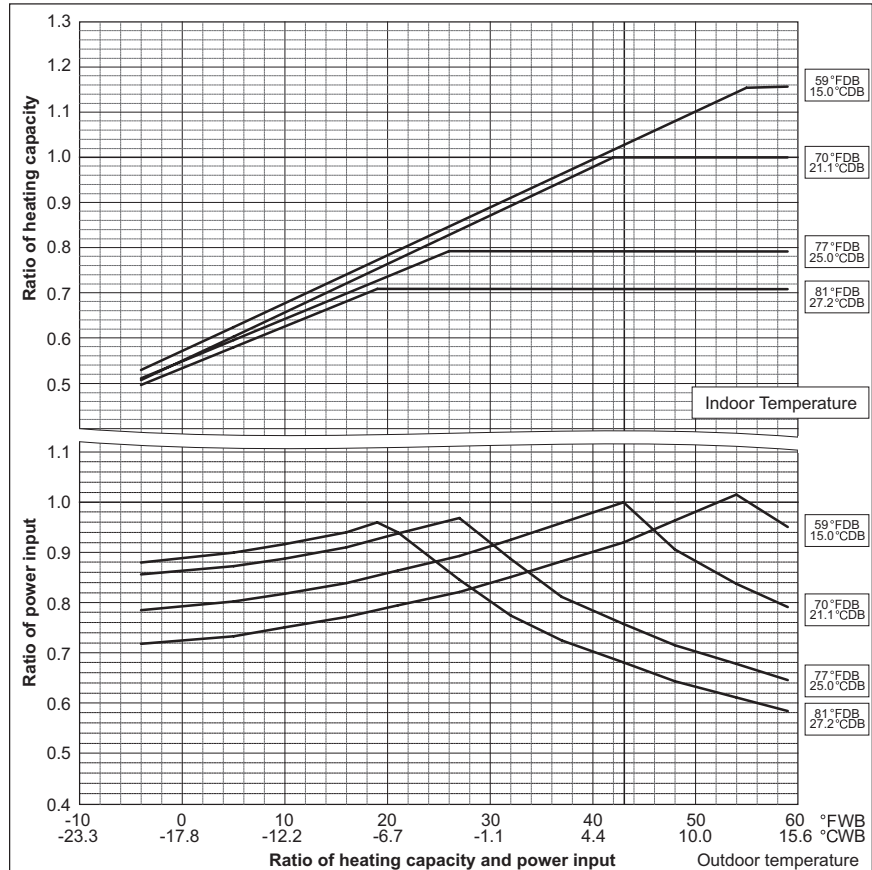


PUHY-		P168TSHMU	P192TSHMU
Nominal Heating Capacity	kW	55.1	58.6
	BTU/h	188,000	200,000
Input	kW	14.73	15.38

PUHY-		P216TSHMU	P240TSHMU
Nominal Heating Capacity	kW	66.8	70.3
	BTU/h	228,000	240,000
Input	kW	18.42	19.07

PUHY-		P168YSHMU	P192YSHMU
Nominal Heating Capacity	kW	55.1	58.6
	BTU/h	188,000	200,000
Input	kW	14.73	15.38

PUHY-		P216YSHMU	P240YSHMU
Nominal Heating Capacity	kW	66.8	70.3
	BTU/h	228,000	240,000
Input	kW	18.42	19.07



Ref:PUHY_THMU_C10_USDB_P168-240

7. CAPACITY TABLES

DATA U4

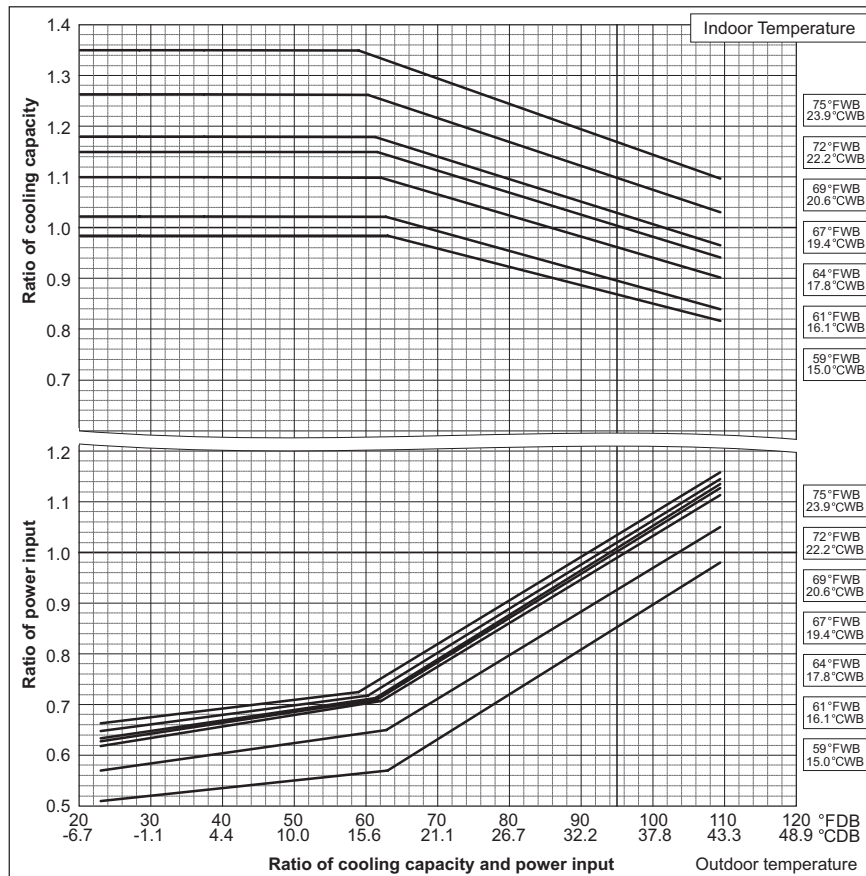
Y-SERIES

PUHY-		P264TSHMU	P288TSHMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	21.28	24.52

PUHY-		P312TSHMU	
Nominal Cooling Capacity	kW	91.4	
	BTU/h	312,000	
Input	kW	26.25	

PUHY-		P264YSHMU	P288YSHMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	21.28	24.52

PUHY-		P312YSHMU	
Nominal Cooling Capacity	kW	91.4	
	BTU/h	312,000	
Input	kW	26.25	

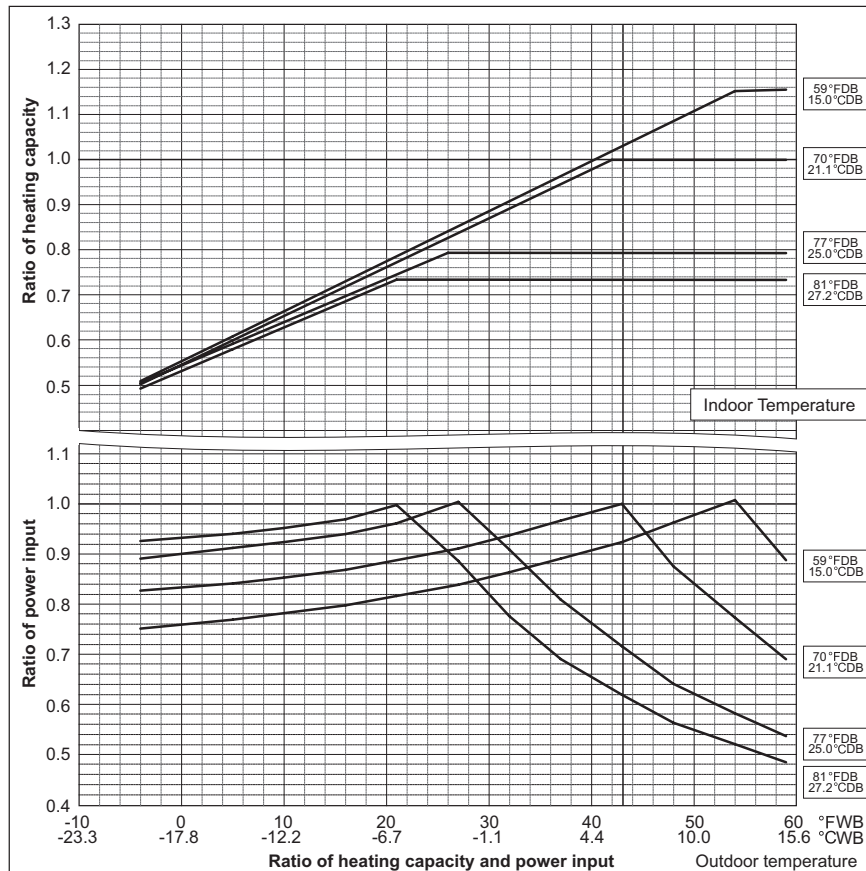


PUHY-		P264TSHMU	P288TSHMU
Nominal Heating Capacity	kW	82.1	90.3
	BTU/h	280,000	308,000
Input	kW	21.23	24.27

PUHY-		P312TSHMU	
Nominal Heating Capacity	kW	93.8	
	BTU/h	320,000	
Input	kW	24.92	

PUHY-		P264YSHMU	P288YSHMU
Nominal Heating Capacity	kW	82.1	90.3
	BTU/h	280,000	308,000
Input	kW	21.23	24.27

PUHY-		P312YSHMU	
Nominal Heating Capacity	kW	93.8	
	BTU/h	320,000	
Input	kW	24.92	



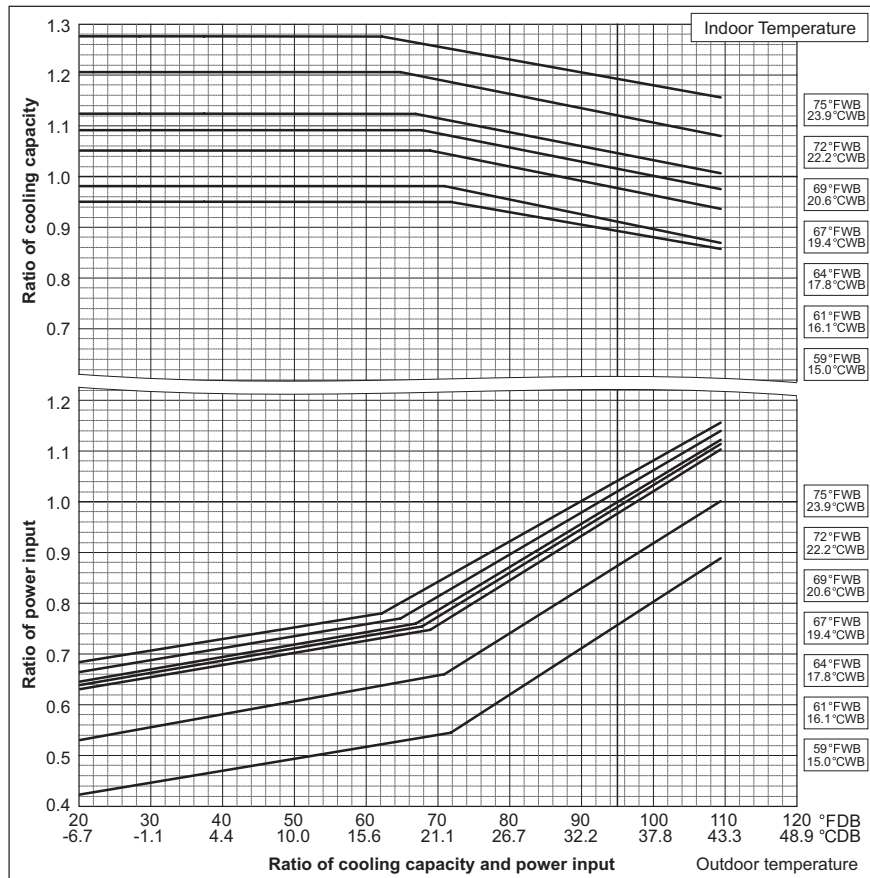
Ref:PUHY_THMU_C10_USDB_P264-312

7. CAPACITY TABLES

DATA U4

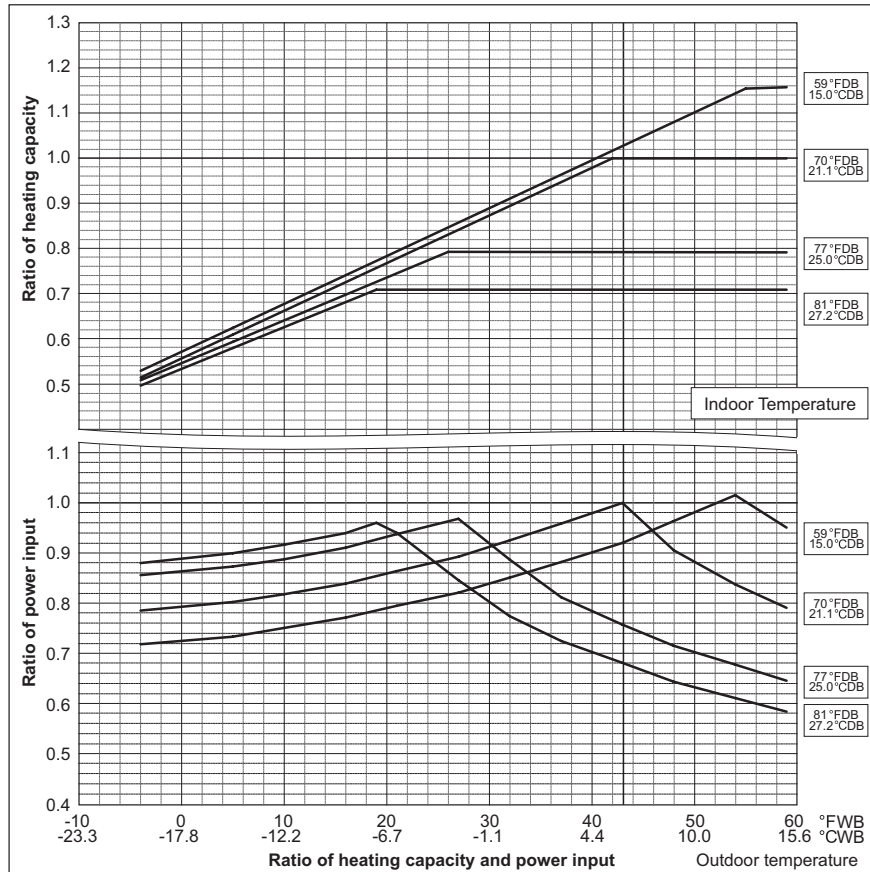
PUHY-		P336TSHMU	P360TSHMU
Nominal Cooling Capacity	kW	98.5	105.5
	BTU/h	336,000	360,000
Input	kW	29.50	31.23

PUHY-		P336YSHMU	P360YSHMU
Nominal Cooling Capacity	kW	98.5	105.5
	BTU/h	336,000	360,000
Input	kW	29.50	31.23



PUHY-		P336TSHMU	P360TSHMU
Nominal Heating Capacity	kW	102.0	105.5
	BTU/h	348,000	360,000
Input	kW	27.96	28.61

PUHY-		P336YSHMU	P360YSHMU
Nominal Heating Capacity	kW	102.0	105.5
	BTU/h	348,000	360,000
Input	kW	27.96	28.61



Ref:PUHY_THMU_C10_USDB_P336-360

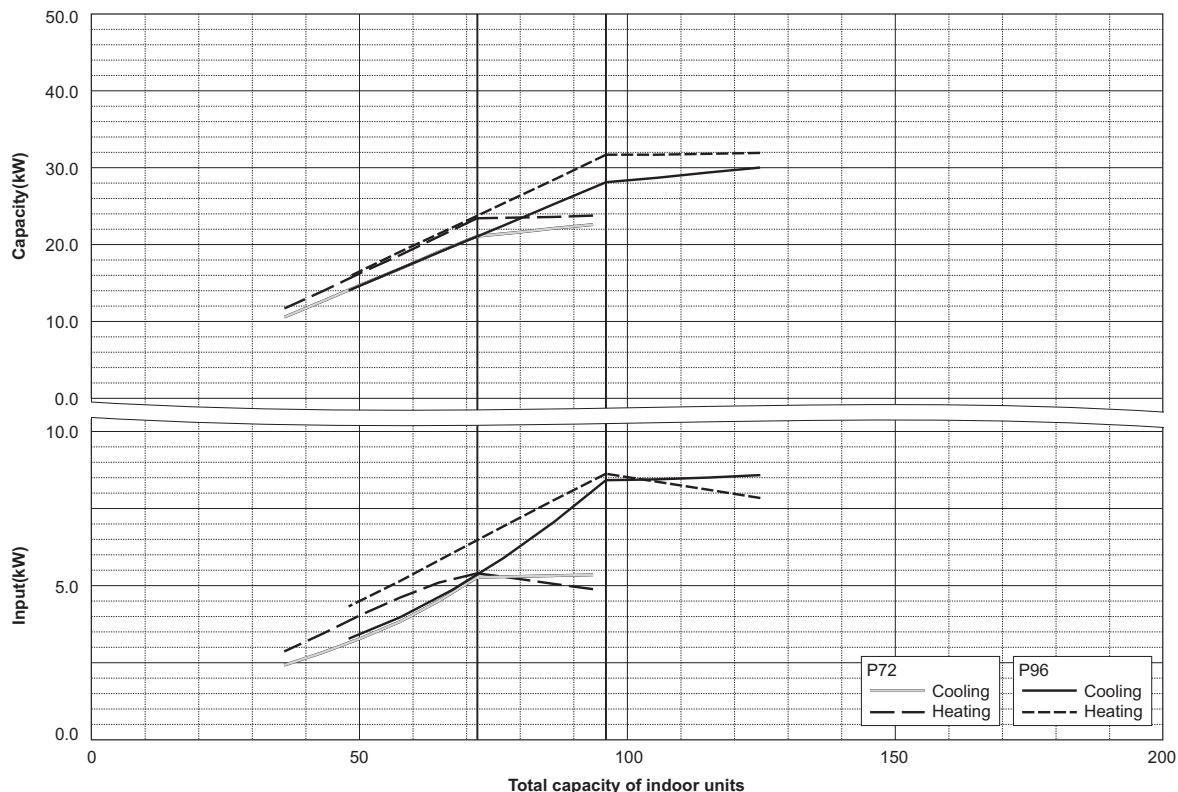
7. CAPACITY TABLES

DATA U4

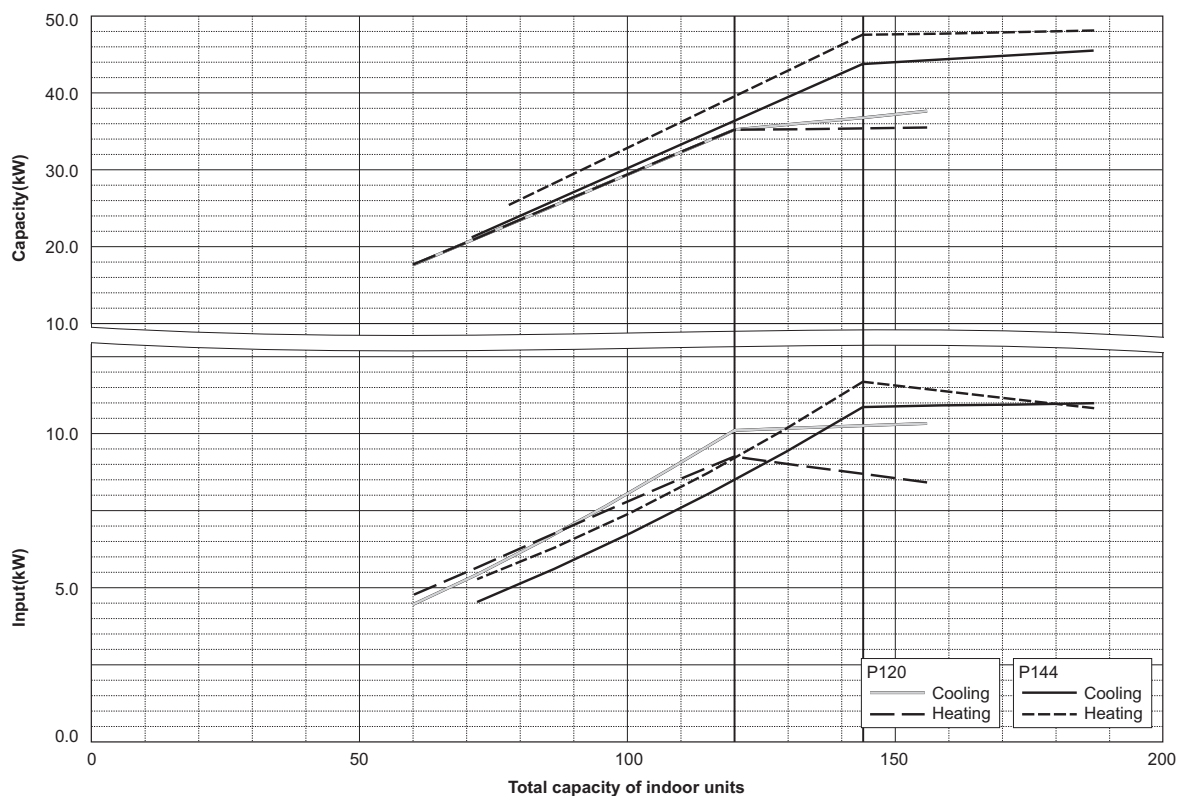
7-2. Correction by Total Indoor

CITY MULTI systems have different capacities and inputs when different combinations of indoor units with different total capacities are connected. Using following tables, the maximum capacity can be found to ensure the system is installed with enough capacity for a particular application.

PUHY-P72,96THMU/YHMU

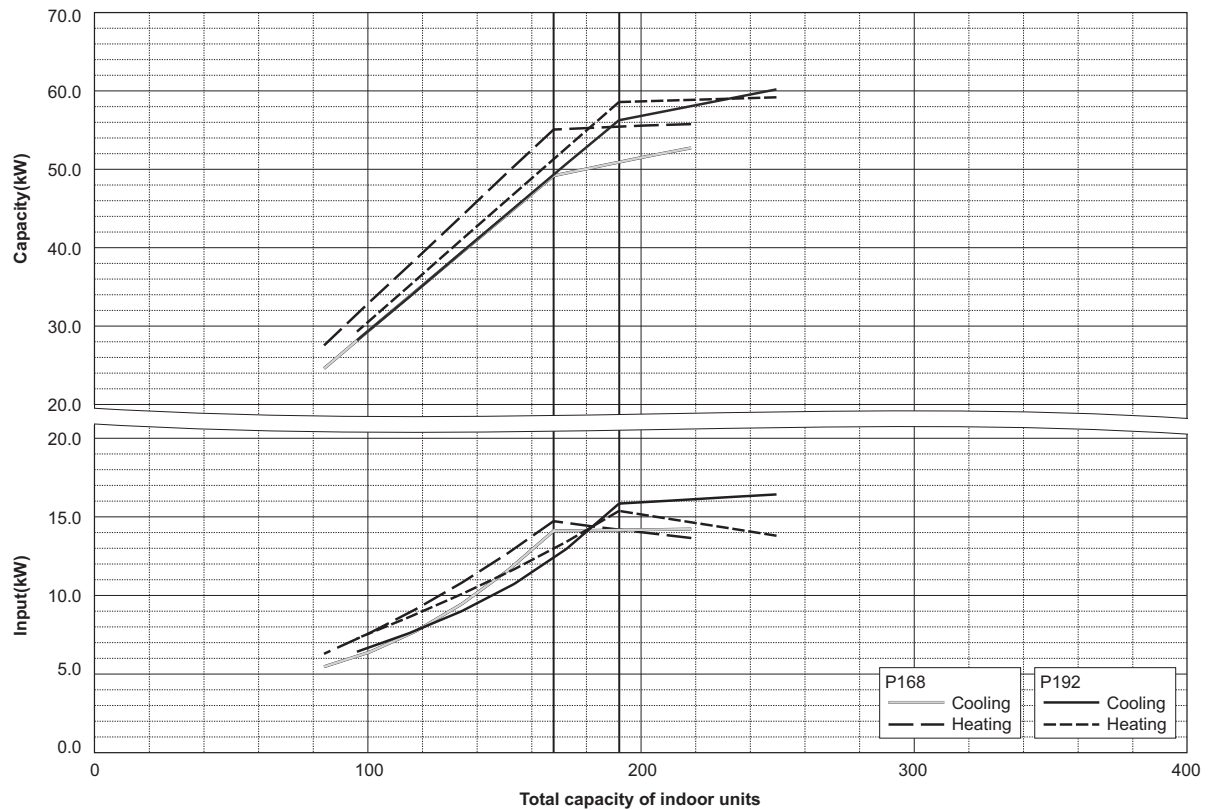


PUHY-P120,144T(S)HMU/Y(S)HMU

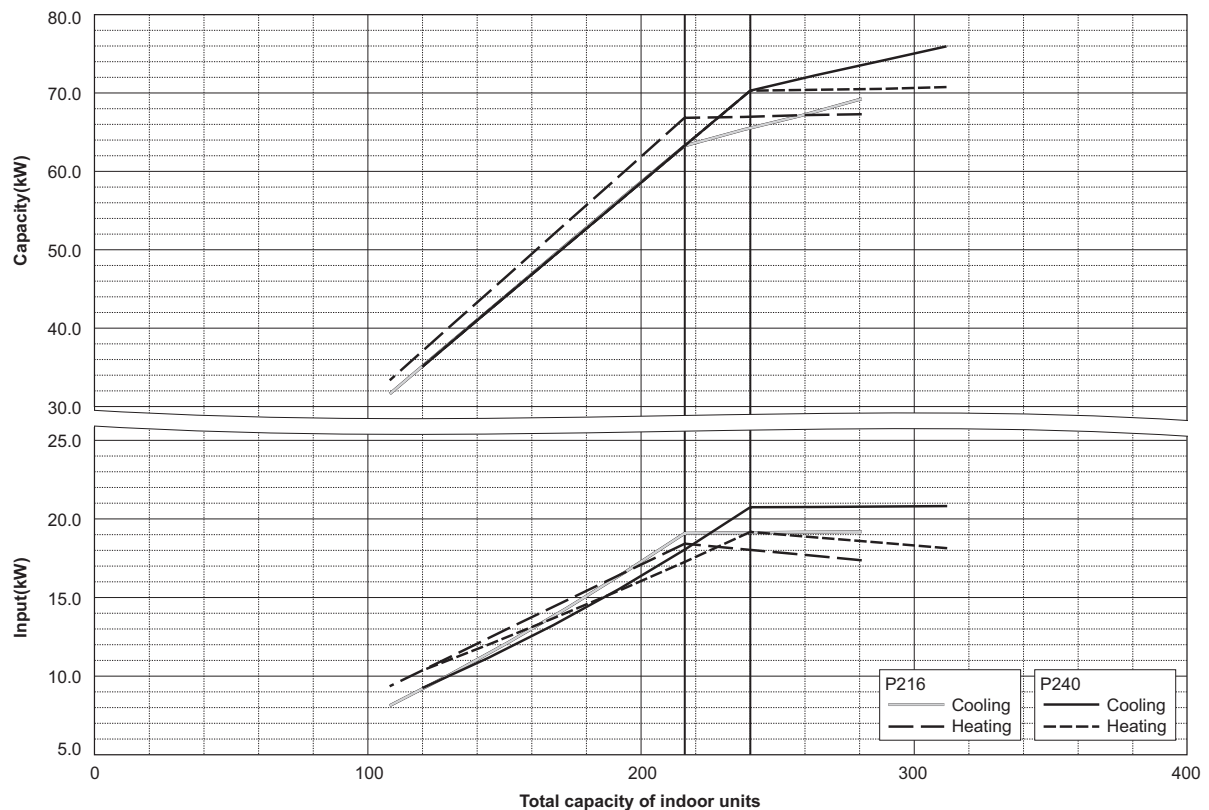


Ref: PUHY_THMU_C20_USDB_P72-144

PUHY-P168,192TSHMU/YSHMU



PUHY-P216,240TSHMU/YSHMU



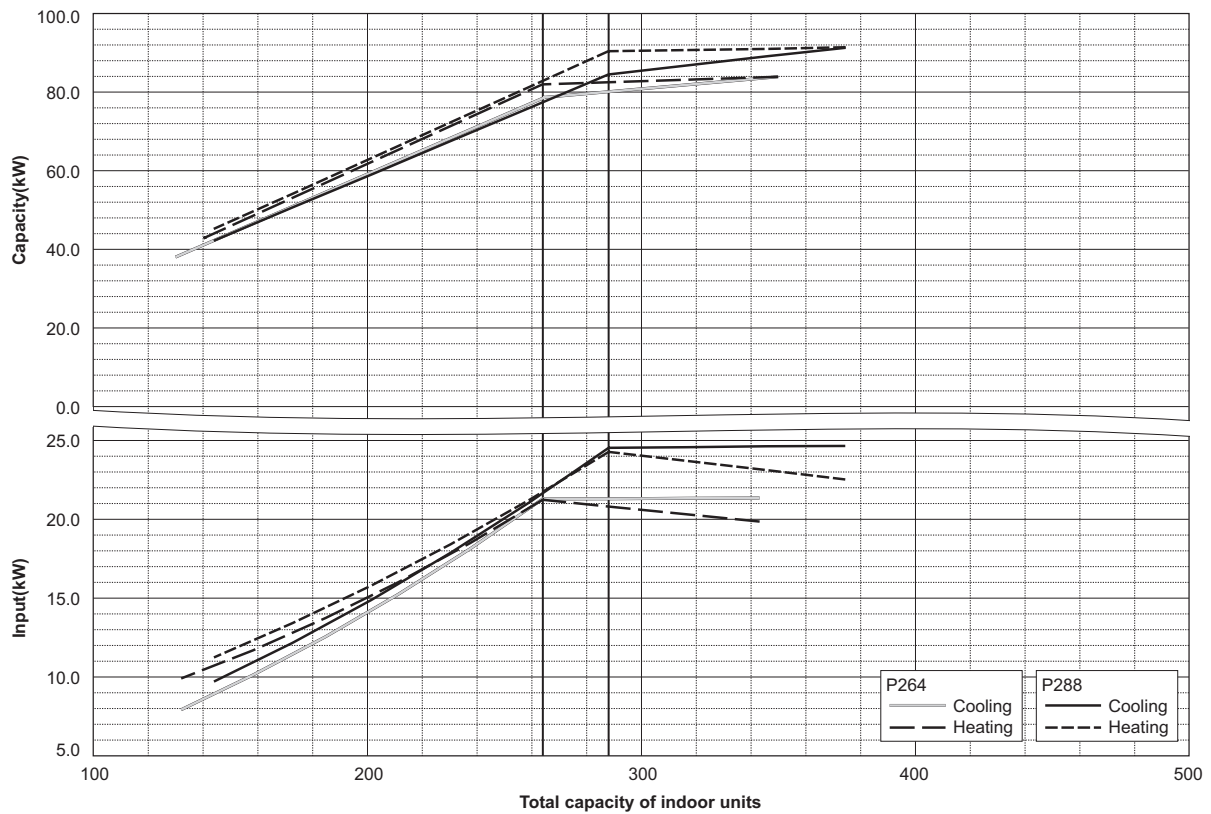
Ref: PUHY THMU C20 USDB P168-240

7. CAPACITY TABLES

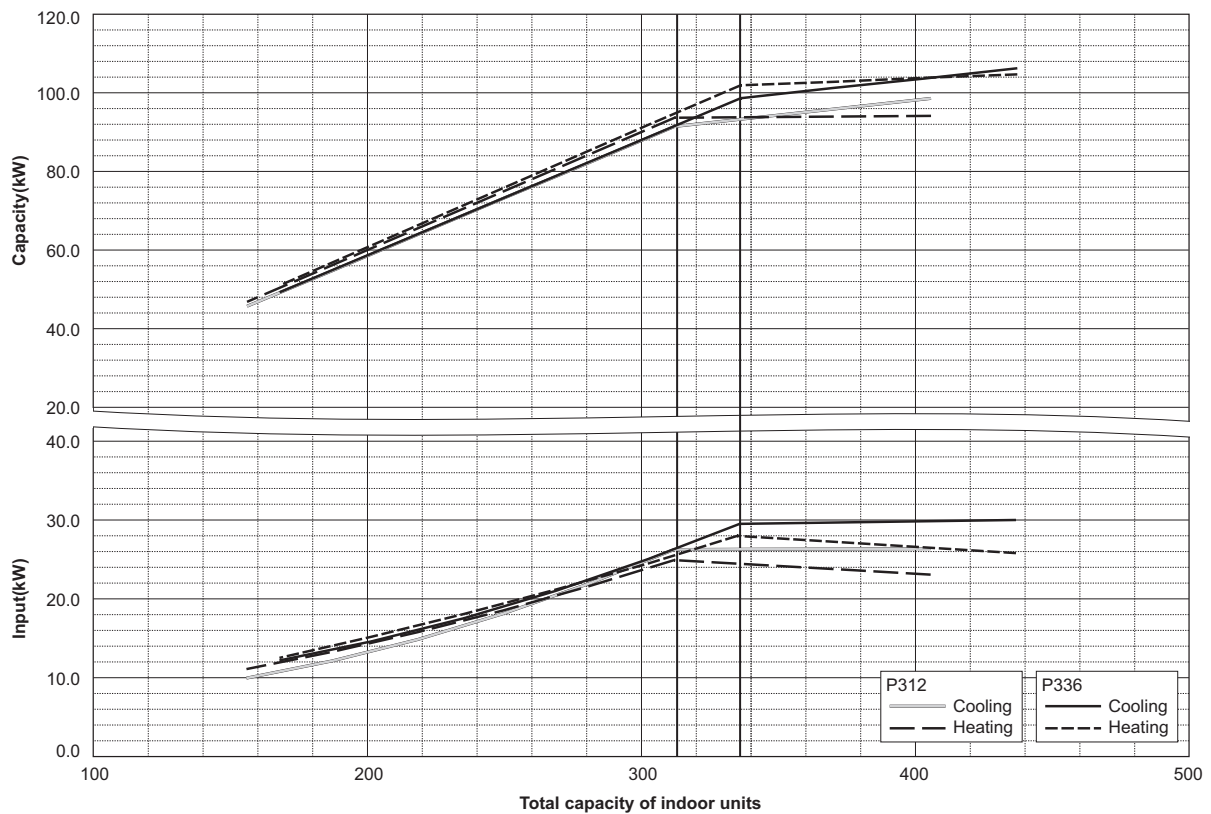
DATA U4

Y-SERIES

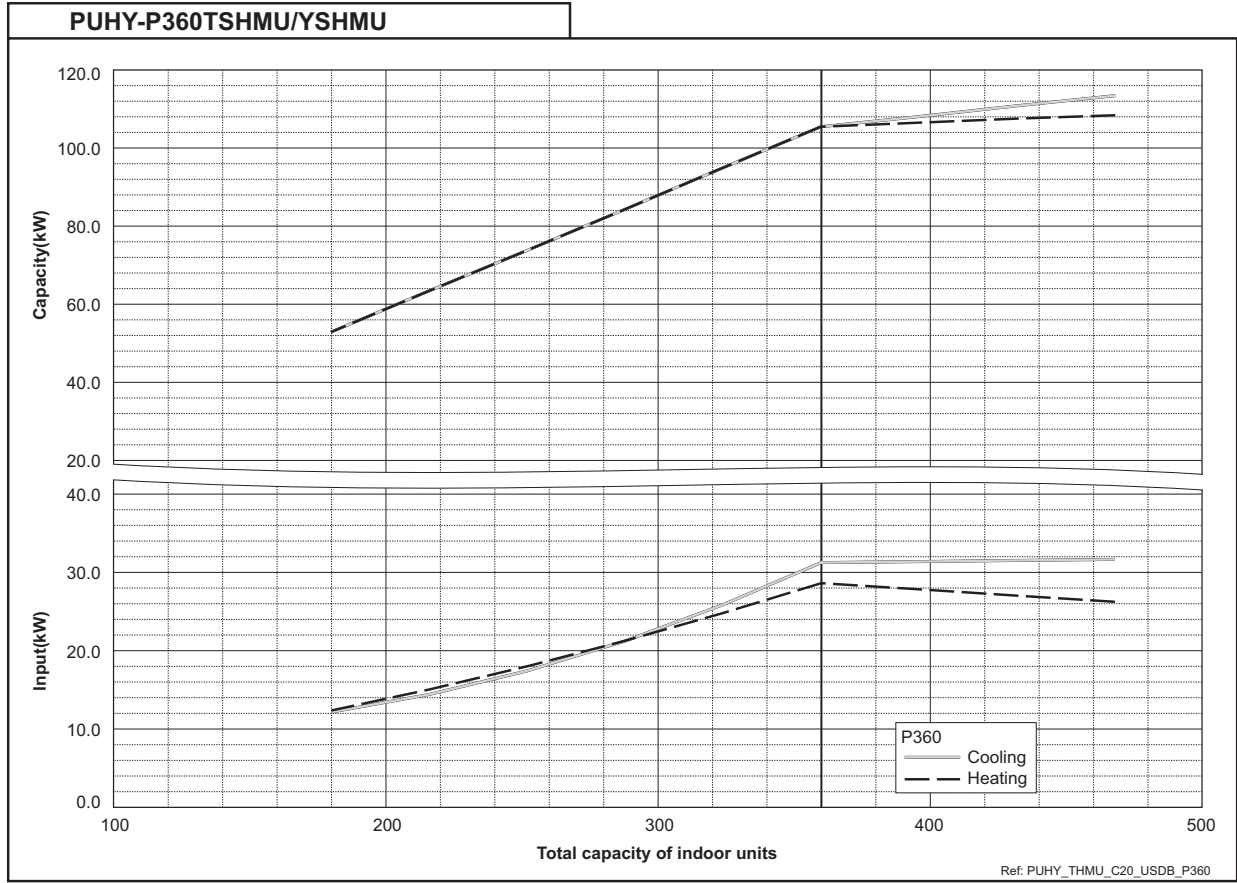
PUHY-P264,288TSHMU/YSHMU



PUHY-P312,336TSHMU/YSHMU



Ref: PUHY THMU C20 USDB P264-336

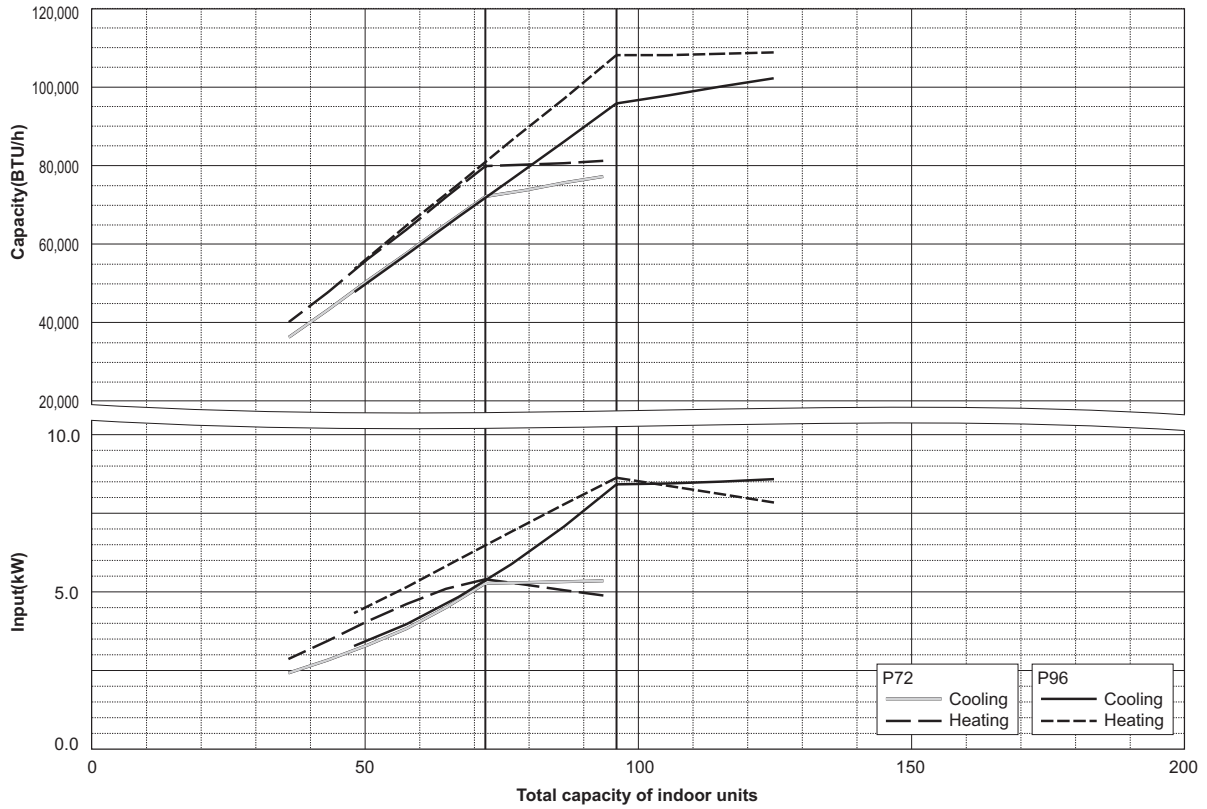


7. CAPACITY TABLES

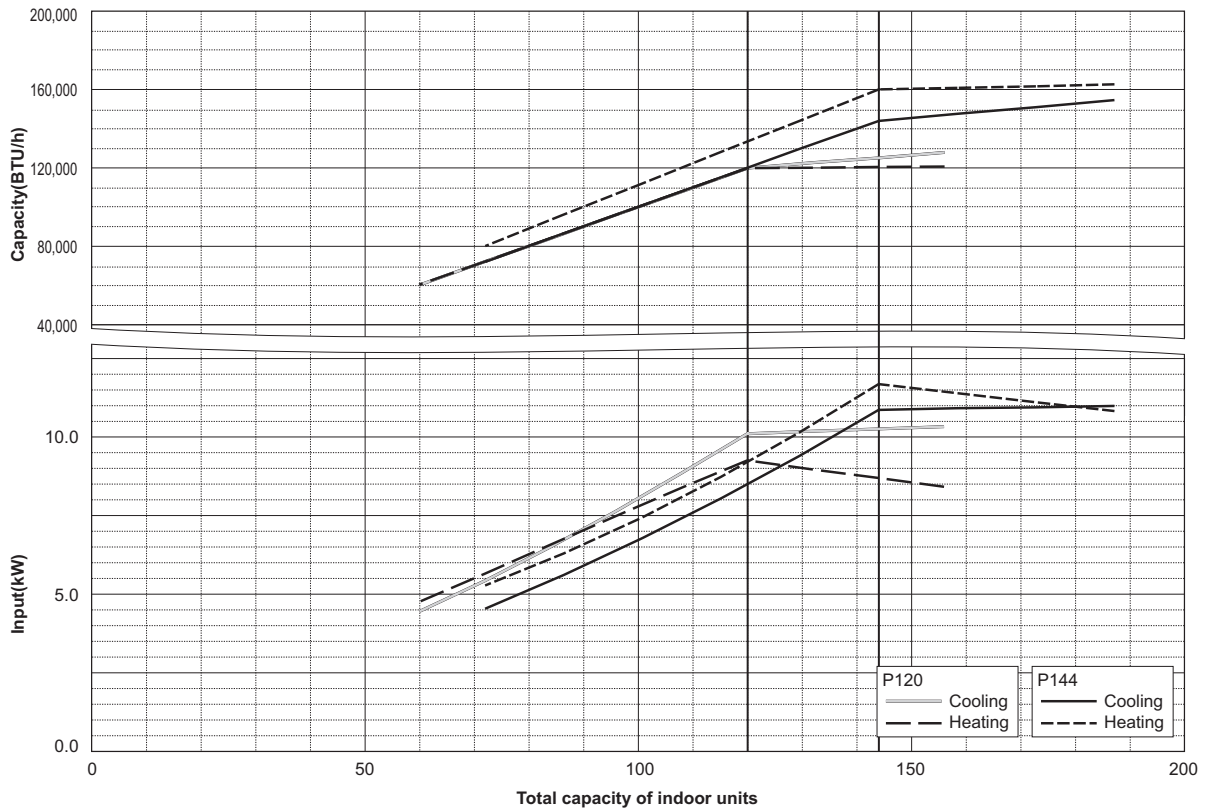
DATA U4

Y-SERIES

PUHY-P72,96THMU/YHMU



PUHY-P120,144T(S)HMU/Y(S)HMU

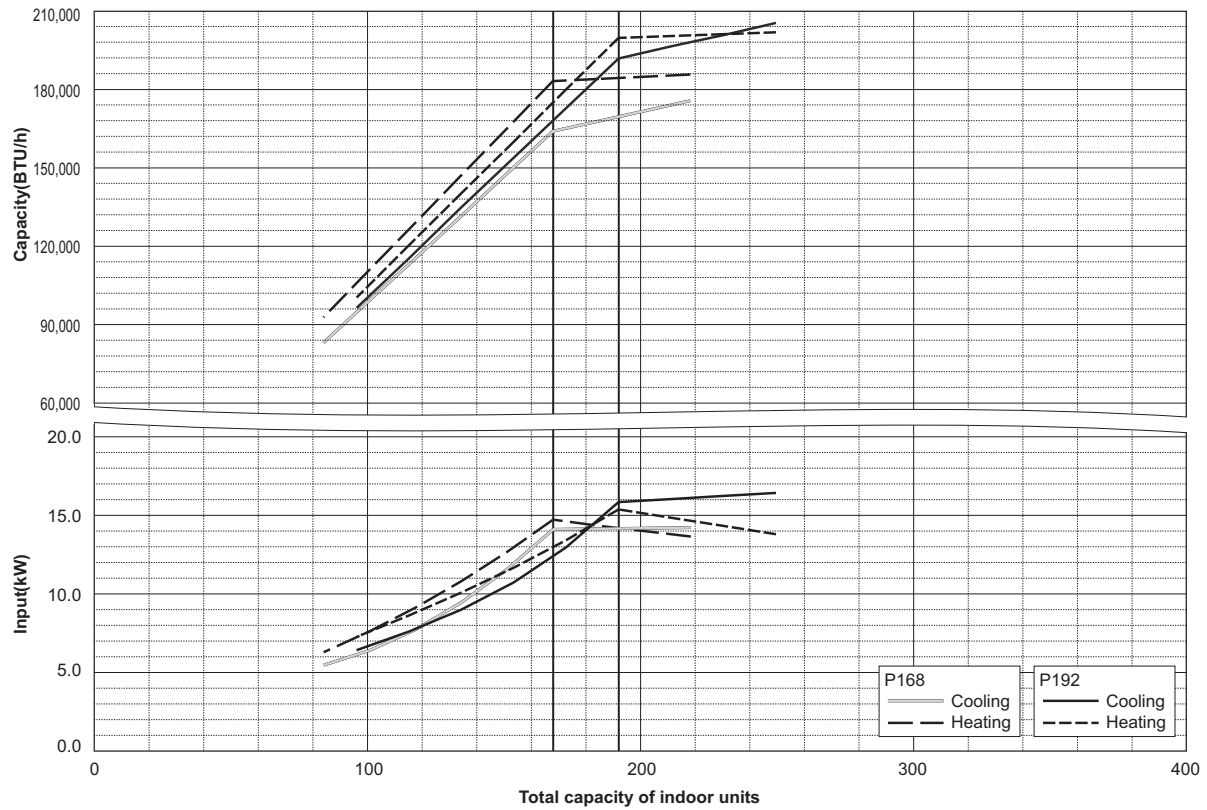


Ref: PUHY THMU C20 USDB P72-144 2

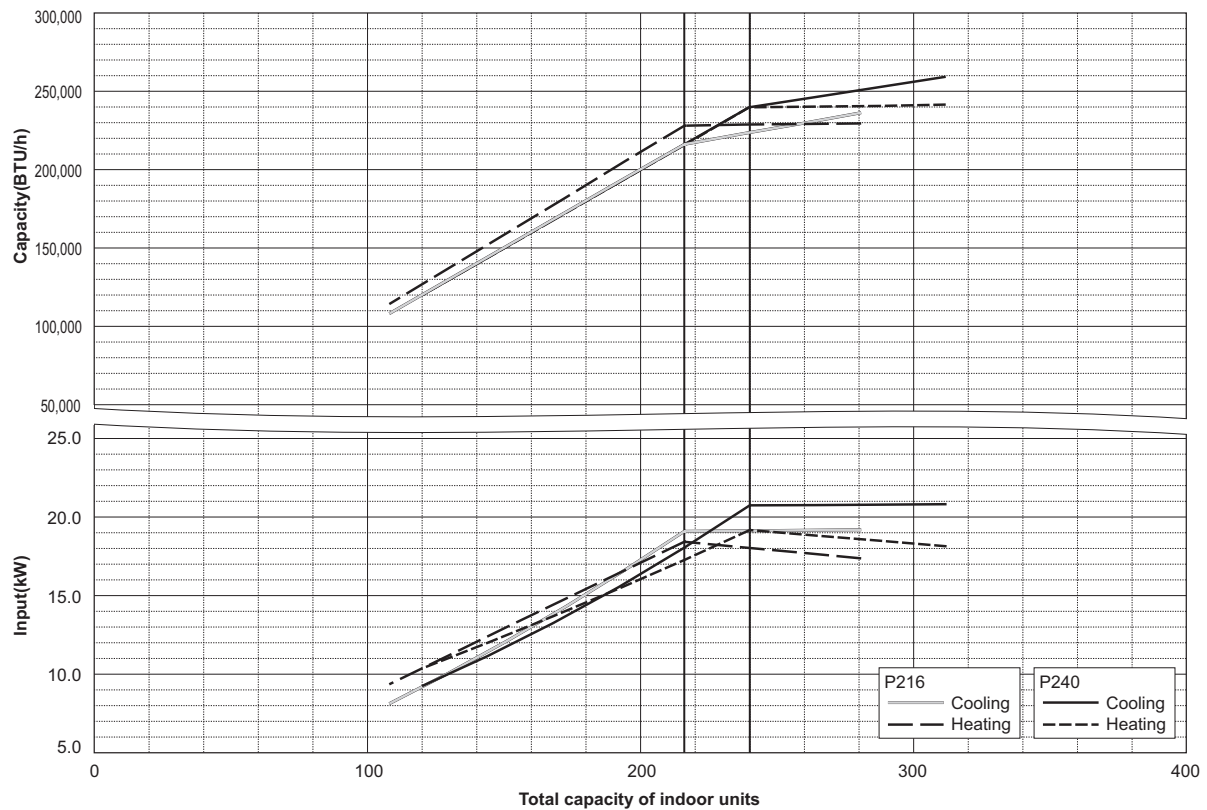
7. CAPACITY TABLES

DATA U4

PUHY-P168,192TSHMU/YSHMU



PUHY-P216,240TSHMU/YSHMU



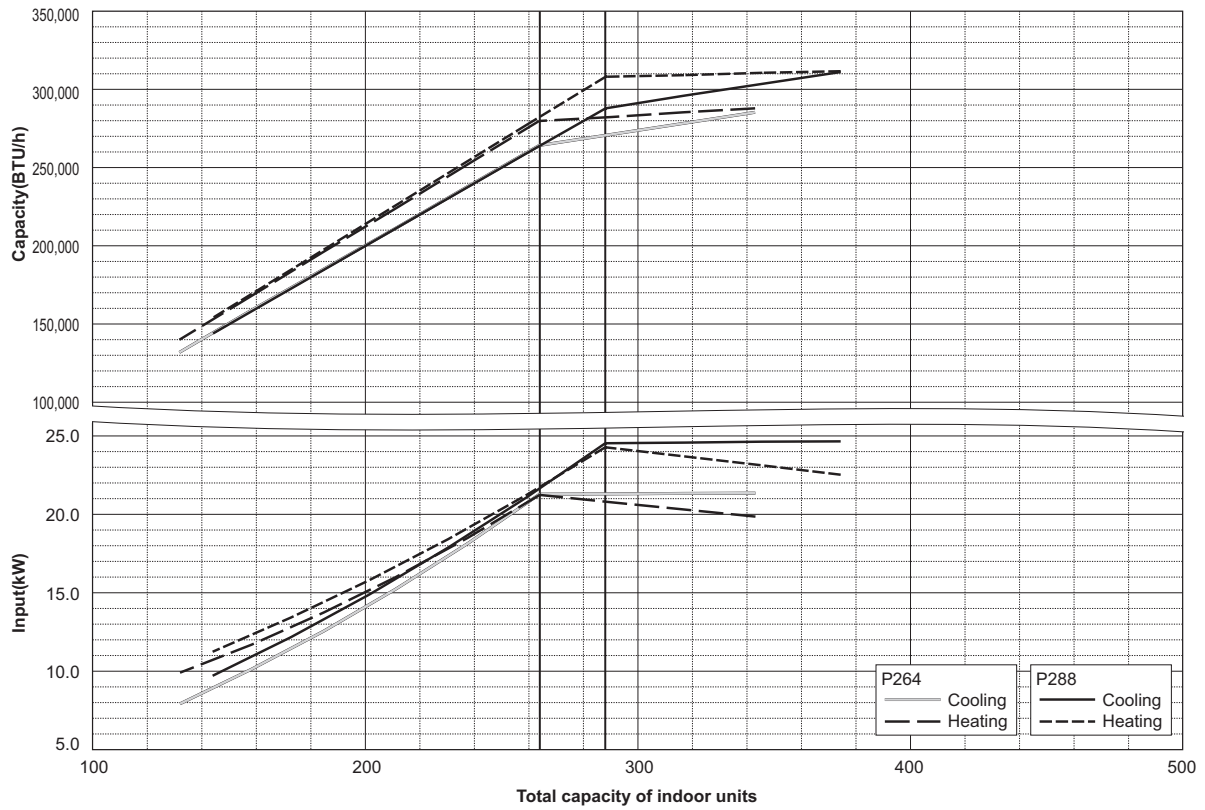
Ref: PUHY_THMU_C20_USDB_P168-240_2

7. CAPACITY TABLES

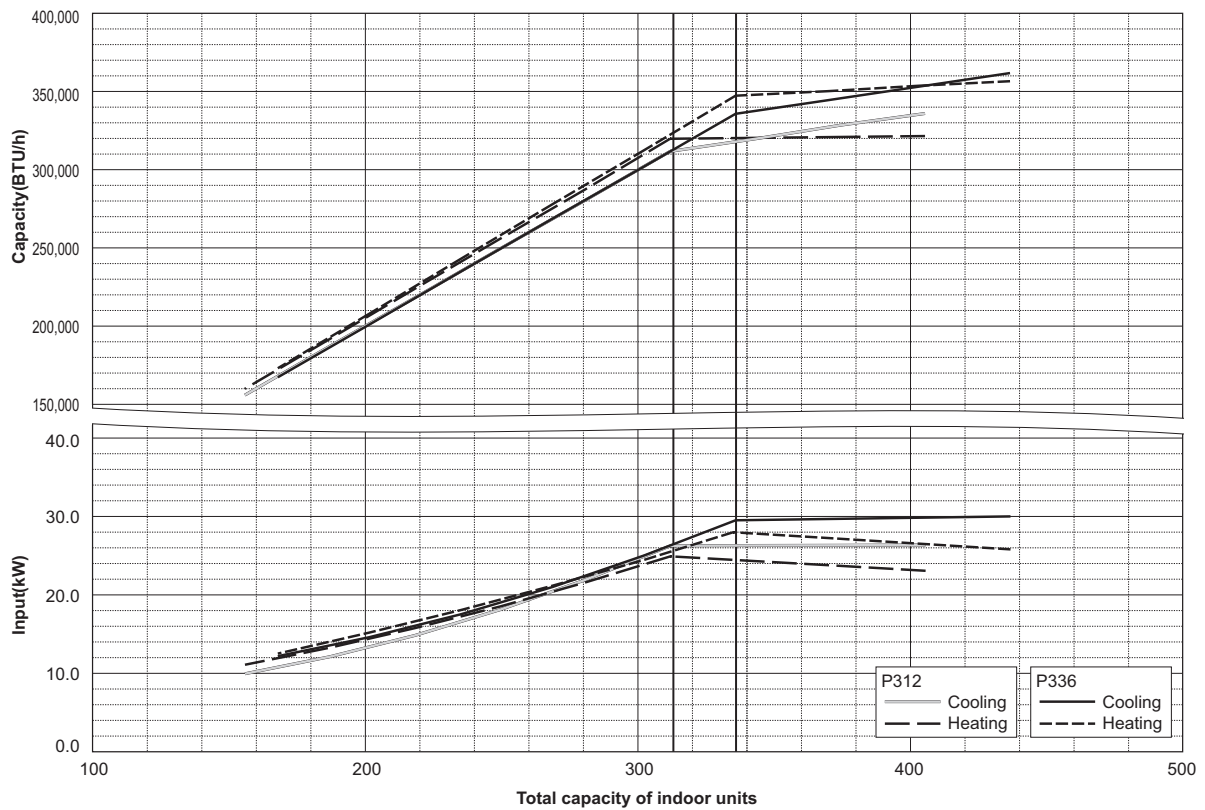
DATA U4

Y-SERIES

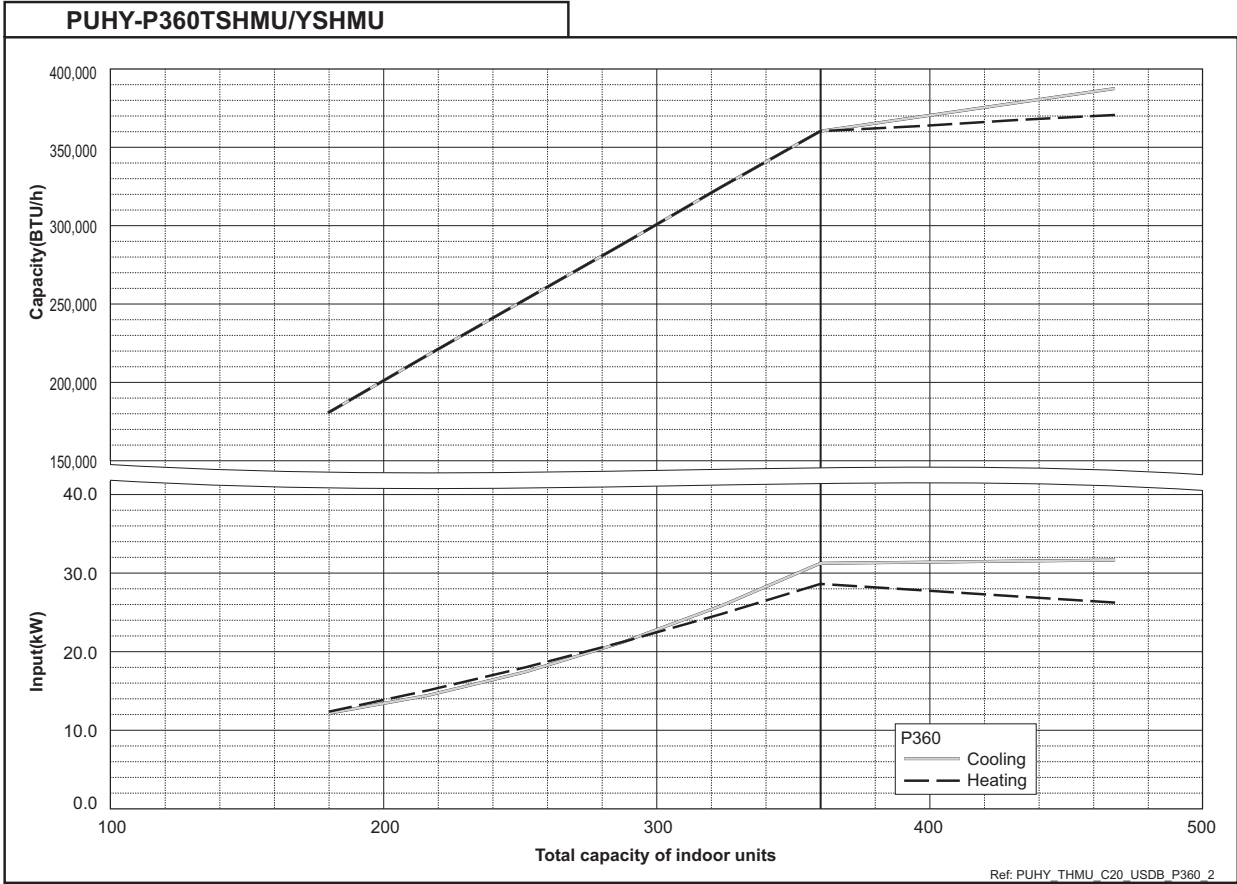
PUHY-P264,288TSHMU/YSHMU



PUHY-P312,336TSHMU/YSHMU



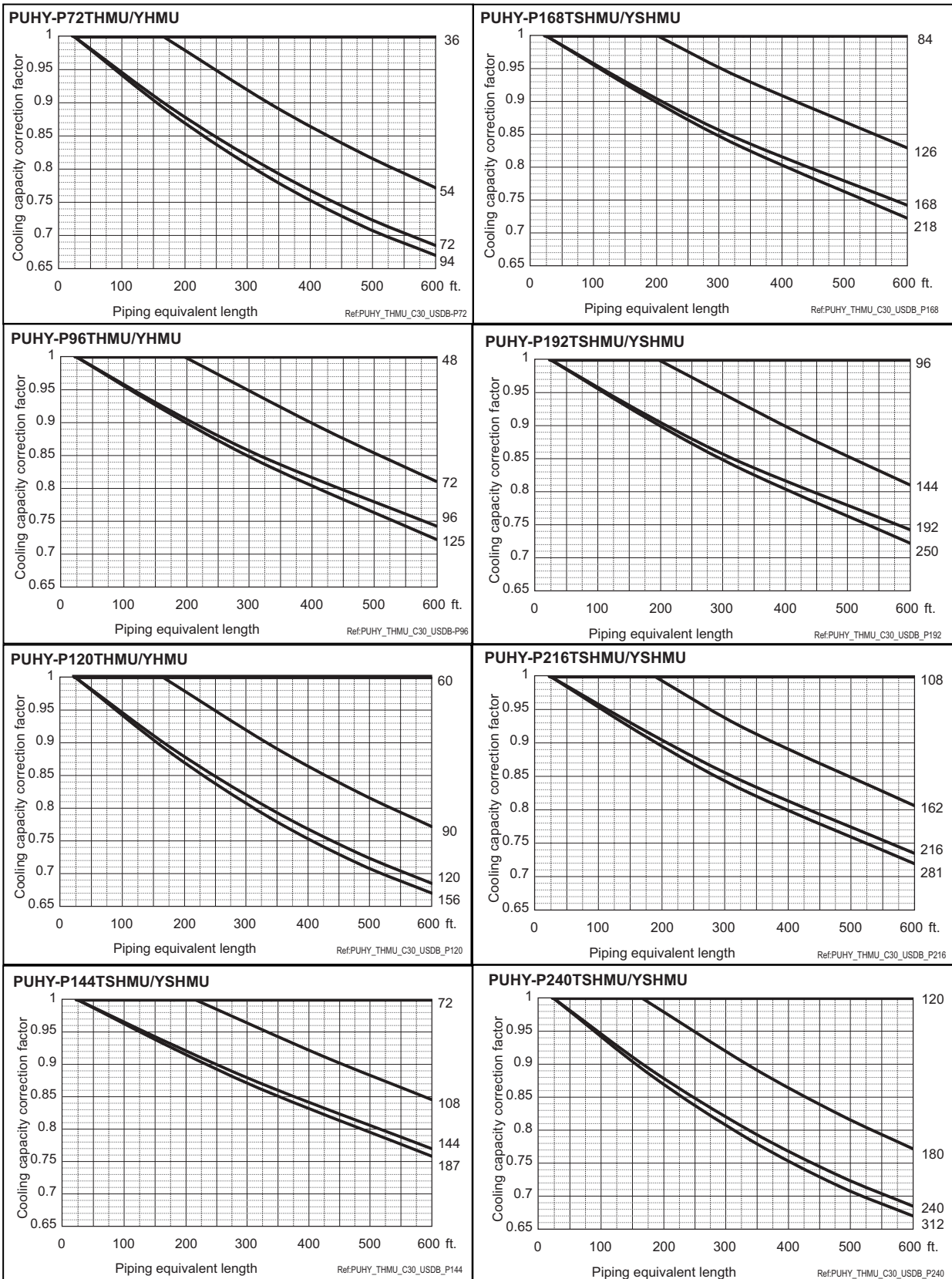
Ref: PUHY_THMU_C20_USDB_P264-336_2



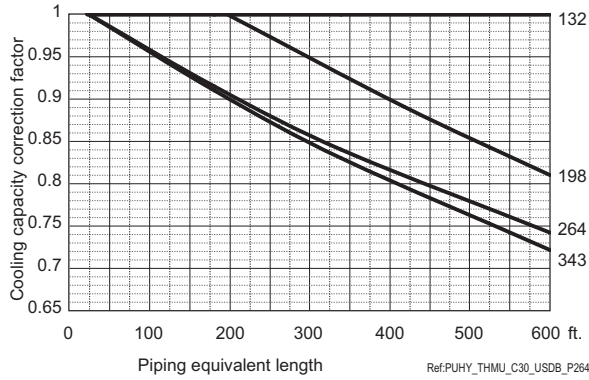
7-3. Correction by Refrigerant Piping Length

CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using the following correction factor by equivalent piping length shown at 7-3-1 and 7-3-2, capacity can be found. 7-3-3 shows how to obtain the equivalent piping length.

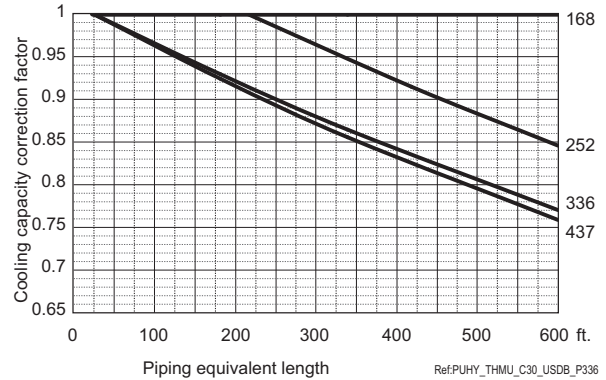
7-3-1. Cooling Capacity Correction



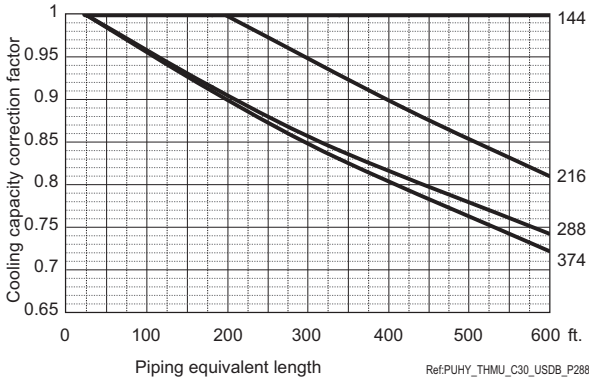
PUHY-P264TSHMU/YSHMU



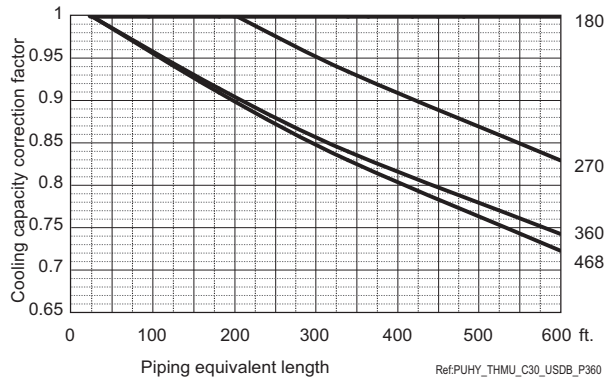
PUHY-P336TSHMU/YSHMU



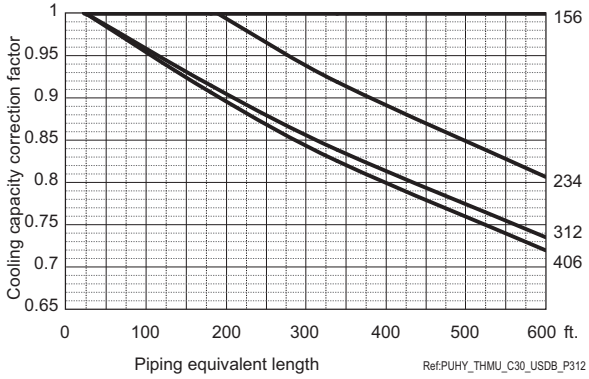
PUHY-P288TSHMU/YSHMU



PUHY-P360TSHMU/YSHMU



PUHY-P312TSHMU/YSHMU



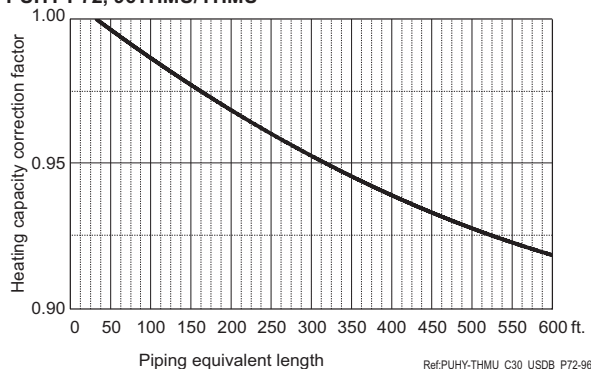
7. CAPACITY TABLES

DATA U4

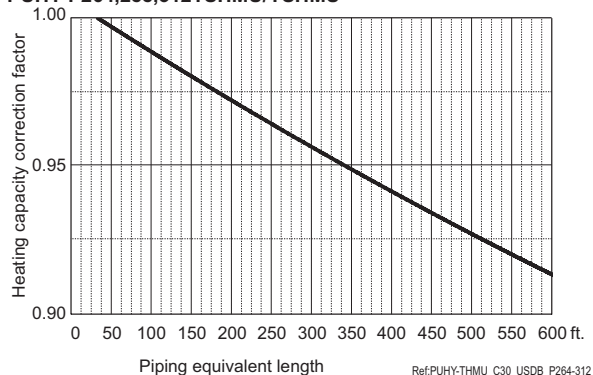
7-3-2. Heating Capacity Correction

Y-SERIES

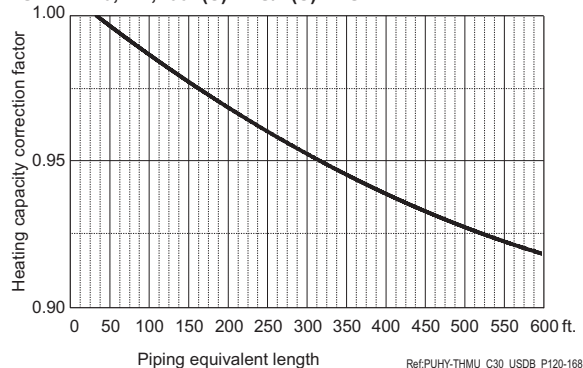
PUHY-P72, 96THMU/YHMU



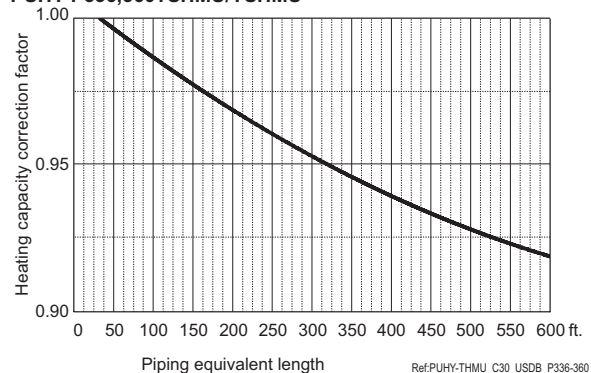
PUHY-P264, 288, 312TSHMU/YSHMU



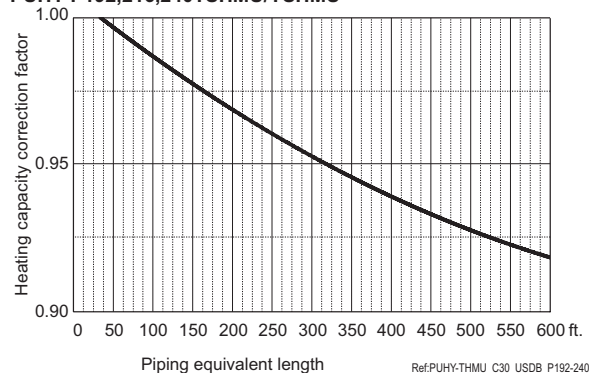
PUHY-P120, 144, 168T(S)HMU/Y(S)HMU



PUHY-P336, 360TSHMU/YSHMU



PUHY-P192, 216, 240TSHMU/YSHMU



7-3-3. How to Obtain the Equivalent Piping Length

1. PUHY-P72THMU/YHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (1.15 x number of bends in the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bends in the piping) [m]

2. PUHY-P96, 120THMU/YHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (1.38 x number of bends in the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 x number of bends in the piping) [m]

3. PUHY-P144, 168, 192, 216, 240TSHMU/YSHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (1.64 x number of bends in the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bends in the piping) [m]

4. PUHY-P264, 288, 312TSHMU/YSHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (2.30 x number of bends in the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 x number of bends in the piping) [m]

5. PUHY-P336, 360TSHMU/YSHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (2.63 x number of bends in the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.80 x number of bends in the piping) [m]

7-4. Correction at Frost and Defrost

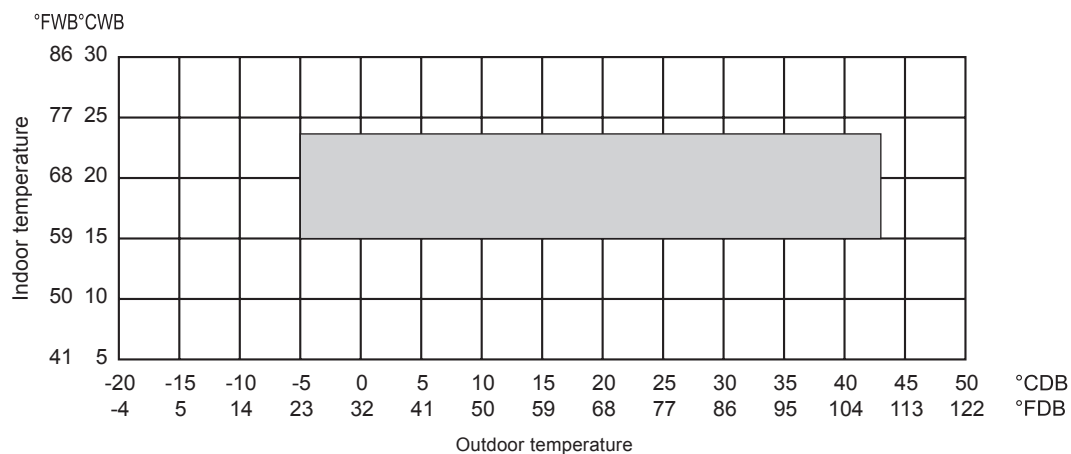
Due to frost on the outdoor heat exchanger and the automatic defrost operation, the heating capacity of the outdoor unit should be considered by multiplying the correction factor, which is shown in the table below.

Correction Factor Table when Frost and Defrost Occurs

Outdoor inlet air temp. °C WB	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F WB	43	39	36	34	32	28	25	21	18	14	-4
PUHY-P72THMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P96THMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P120THMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144TSHMU-A (-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PUHY-P168TSHMU-A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P192TSHMU-A (-BS)	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P216TSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P240TSHMU-A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P264TSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P288TSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P312TSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P336TSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P360TSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P72YHMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P96YHMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P120YHMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144YSHMU-A (-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PUHY-P168YSHMU-A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P192YSHMU-A (-BS)	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P216YSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P240YSHMU-A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P264YSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P288YSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P312YSHMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P336YSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY-P360YSHMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93

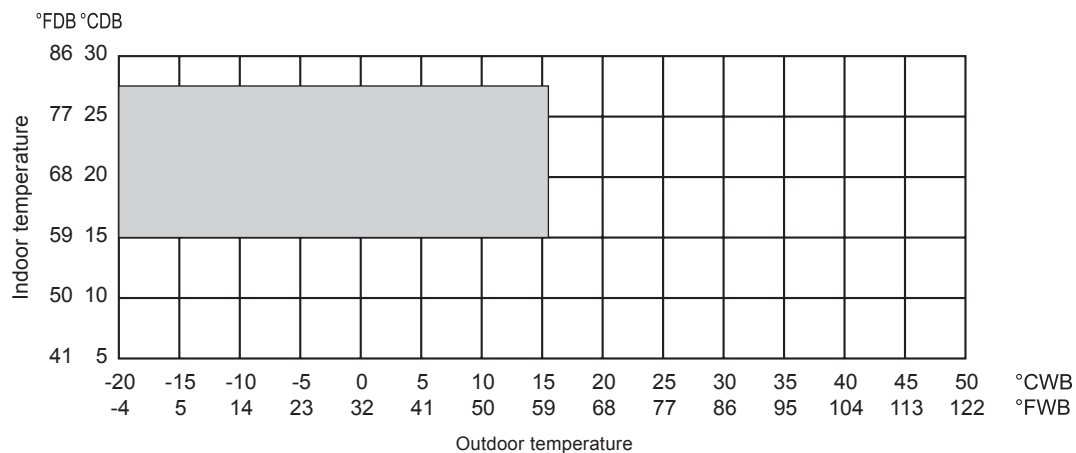
7-5. Operation Temperature Range

• Cooling



* The operation temperature of outdoor unit is limited into 0~43°CDB(32~109°FDB) when the outdoor unit is installed in a location that is positioned lower than the indoor units.

• Heating



Ref.: tr-ygm-y

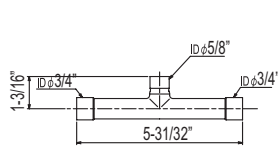
* Tables above show published performance operation range. Units will try to continue to cool and heat above and below temperature range shown, but there is no published performance data at these ranges.

8-1. Branch Joint

Piping for CITY MULTI systems can be easily performed with branch joints and headers provided by MITSUBISHI ELECTRIC CORP. For PUHY-P-T(S)HMU/Y(S)HMU, the following sets of branch joints are available. Details for installing the branch joint sets are found in the System Design section, or in the Branch Joint Installation Manual.

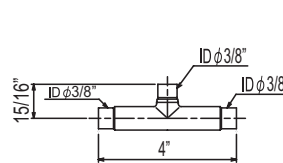
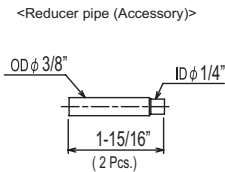
CMY-Y102S-G2

For Gas pipe:



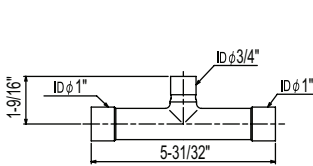
ID: Inner Diameter OD: Outer Diameter

For Liquid pipe:

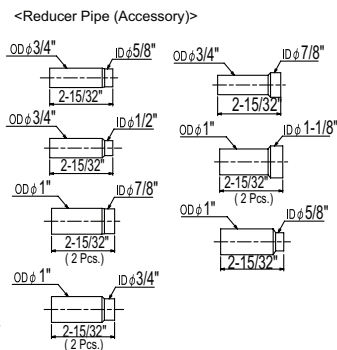
Ref.: CMY_Y102S_G2_EXD_EUDB_SI
in.

CMY-Y102L-G2

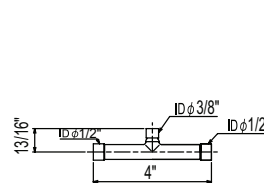
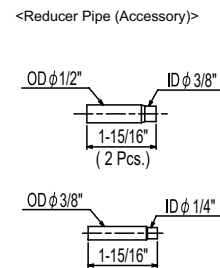
For Gas pipe:



ID: Inner Diameter OD: Outer Diameter

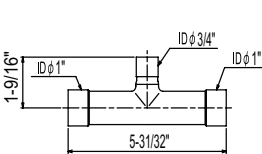


For Liquid pipe:

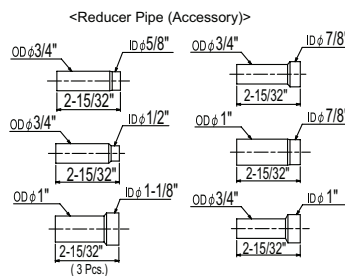
Ref.: CMY_Y102L_G2_EXD_EUDB_SI
in.

CMY-Y202-G2

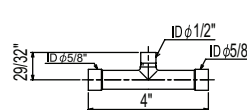
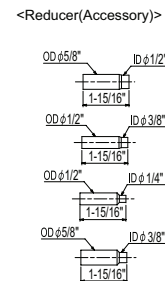
For Gas pipe:



ID: Inner Diameter OD: Outer Diameter

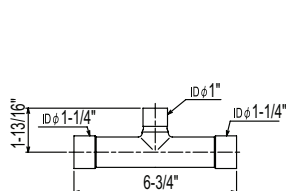


For Liquid pipe:

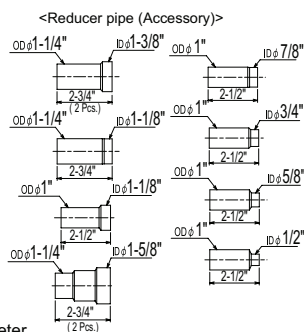
Ref.: CMY_Y202_G2_EXD_EUDB_SI
in.

CMY-Y302-G2

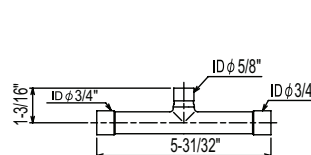
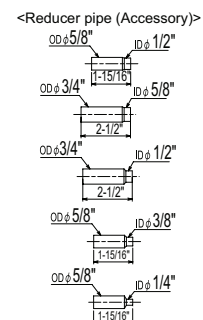
For Gas pipe:



ID: Inner Diameter OD: Outer Diameter



For Liquid pipe:

Ref.: CMY_Y302_G2_EXD_EUDB_SI
in.

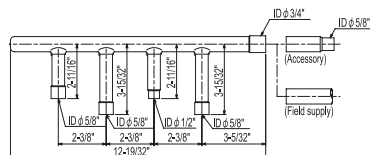
8-2. Headers

Piping for CITY MULTI systems can be easily performed with branch joints and headers provided by MITSUBISHI ELECTRIC CORP. For PUHY-P-T(S)HMU/Y(S)HMU, the following sets of headers are available. Details for installing the headers are found in the System Design section, or in the Outdoor Unit's Installation Manual.

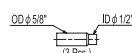
CMY-Y104-G

Ref.: W901636 in.

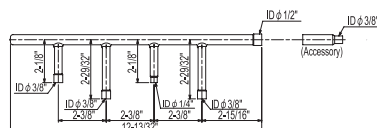
For gas pipe:



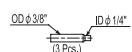
<Reducer(Accessory)>



For liquid pipe:



<Reducer(Accessory)>



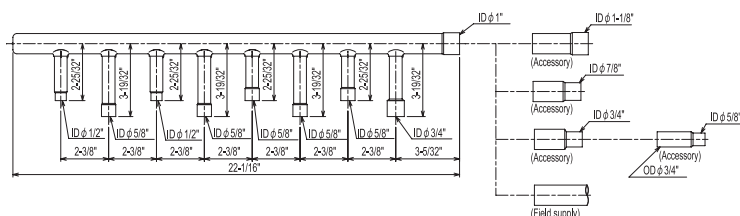
ID: Inner Diameter OD: Outer Diameter

NOTE: Besides above mentioned accessories, caps for $\phi 1/4$ ", $\phi 3/8$ ", $\phi 1/2$ ", $\phi 5/8$ " pipes (each diameter 1 piece) are included in the Header set.

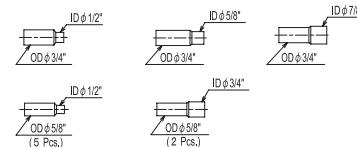
CMY-Y108-G

Ref.: W901637 in.

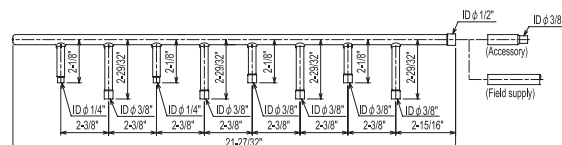
For gas pipe:



<Reducer(Accessory)>



For liquid pipe:



<Reducer(Accessory)>



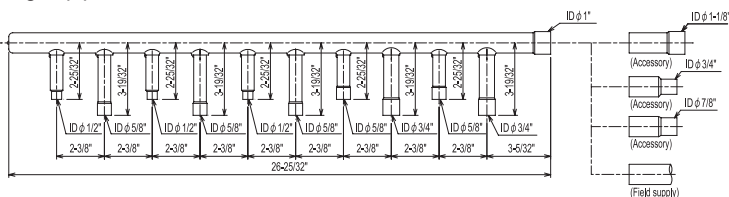
ID: Inner Diameter OD: Outer Diameter

NOTE: Besides above mentioned accessories, caps for $\phi 1/4$ ", $\phi 3/8$ ", $\phi 1/2$ ", $\phi 5/8$ " pipes (each diameter 2 pieces) and 1 cap for $\phi 3/4$ " pipe are included in the Header set.

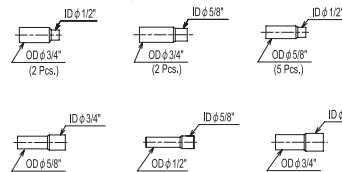
CMY-Y1010-G

Ref.: W901638 in.

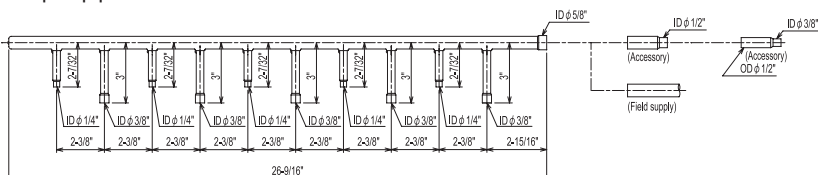
For gas pipe:



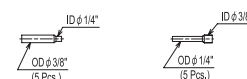
<Reducer(Accessory)>



For liquid pipe:



<Reducer(Accessory)>



ID: Inner Diameter OD: Outer Diameter

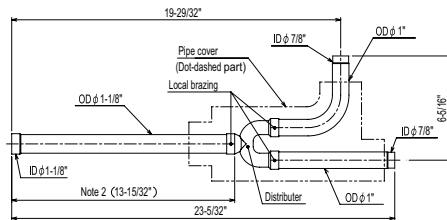
NOTE: Besides above mentioned accessories, caps for $\phi 1/4$ ", $\phi 3/8$ ", $\phi 1/2$ ", $\phi 5/8$ " pipes (each diameter 2 pieces) and 1 cap for $\phi 3/4$ " pipe are included in the Header set.

8-3. Outdoor Twinning Kit

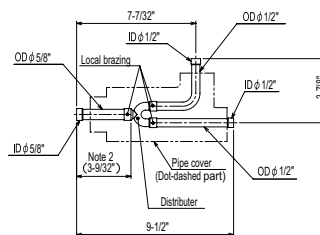
The outdoor twinning kit is needed to PUHY-P-TSHMU/YSHMU to combine the refrigerant flows of the PUHY-P-THMU/YHMU units.

CMY-Y100VBK2

For Gas pipe:

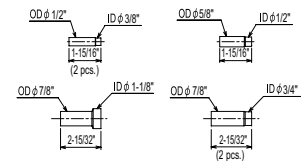


For Liquid pipe:



Ref.: CMY_Y100VBK2_EXD_EUDB_SI
in.

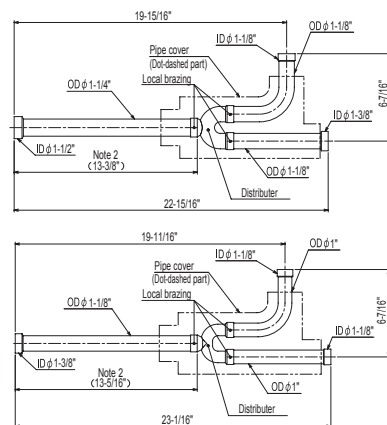
<Reducer(Accessory)>



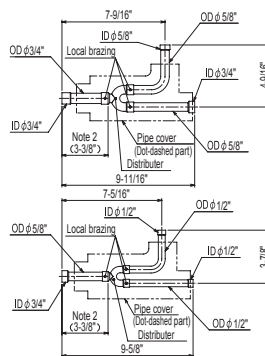
ID: Inner Diameter OD: Outer Diameter

CMY-Y300VBK2

For Gas pipe:

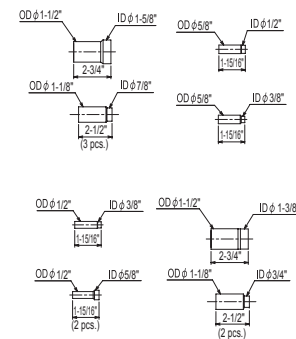


For Liquid pipe:



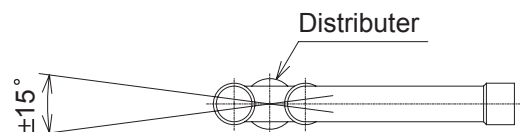
Ref.: CMY_Y300VBK2_EXD_EUDB_SI
in.

<Deformed pipe(Accessory)>



ID: Inner Diameter OD: Outer Diameter

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



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

2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts).

