

OUTDOOR UNITS

1. SPECIFICATIONS	2 - 118
2. EXTERNAL DIMENSIONS	2 - 132
3. CENTER OF GRAVITY	2 - 146
4. ELECTRICAL WIRING DIAGRAMS	2 - 147
5. REFRIGERANT CIRCUIT DIAGRAMS	2 - 150
6. SOUND LEVELS	2 - 152
7. CAPACITY TABLES	2 - 155
7-1. Correction by temperature	2 - 155
7-2. Correction by total indoor	2 - 158
7-3. Correction by refrigerant piping length	2 - 162
7-4. Correction at frost and defrost	2 - 164
7-5. Operation temperature range	2 - 165
8. OPTIONAL PARTS	2 - 166
8-1. JOINT	2 - 166
8-2. OUTDOOR TWINNING KIT	2 - 167
8-3. JOINT KIT CMY-R160-J FOR BC CONTROLLER	2 - 168

1. SPECIFICATIONS

DATA U5

Model			PURY-P72THMU-A(-BS)	PURY-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
	(208-230)	Power input	5.55	8.35
		Current input	A	17.1-15.4
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
	(208-230)	Power input	6.04	8.66
		Current input	A	18.6-16.8
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 150 % of outdoor unit capacity	50 to 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 18	P06 to P96 / 1 to 24
Sound pressure level (measured in anechoic room)			dB <A>	58.0
Refrigerant	High pressure	in. (mm)	5/8"(15.88) Brazed	3/4"(19.05) Brazed
piping diameter	Low pressure	in. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	6,550	7,750
		m ³ / min	185	220
		L/s	3,080	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
	*3 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	7.0
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 23 lbs + 2 oz (10.5kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight		lbs (kg)	519(235)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		WKB94L662	WKB94L663
	Wiring		WKE94C209	WKE94C210
	Refrigerant cycle		-	-
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw	Details refer to External Drw
Optional parts			joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.

Note :	*1 Nominal cooling conditions	*2 Nominal 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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			
* Due to continuing improvement, above specifications may be subject to change without notice.			
* The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

R2

Model			PURY-P120THMU-A(-BS)			
Power source			3-phase 3-wire 208-230V ±10% 60Hz			
Cooling capacity (Nominal)		*1	BTU / h	120,000		
		*1	kW	35.2		
(208-230)	Power input		kW	10.59		
	Current input		A	32.6-29.5		
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		
		*2	kW	35.2		
(208-230)	Power input		kW	10.16		
	Current input		A	31.3-28.3		
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 150 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 1 to 30			
Sound pressure level (measured in anechoic room)			dB <A>	60.0		
Refrigerant piping diameter	High pressure		in. (mm)	3/4"(19.05) Brazed		
	Low pressure		in. (mm)	1-1/8"(28.58) Brazed		
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		
	*3	External static press.		0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1			
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION			
	Starting method		Inverter			
	Motor output		kW	8.1		
	Case heater		kW	0.057(230 V)		
	Lubricant		MEL32			
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>			
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 26 lbs + 1 oz (11.8kg)			
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)	585(265)		
Heat exchanger			Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)			-			
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L663			
	Wiring		WKE94C210			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :		*1 Nominal cooling conditions	*2 Nominal 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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).				
* Due to continuing improvement, above specifications may be subject to change without notice.				
* The data presented is based on a specific combination.				
				*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

Model			PURY-P144TSHMU-A(-BS)
Power source			3-phase 3-wire 208-230V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	144,000
	*1	kW	42.2
	Power input		11.32
	(208-230) Current input		34.9-31.5
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
	*2	kW	46.9
	Power input		12.44
	(208-230) Current input		38.3-34.6
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 150 % 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	High pressure	in.(mm)	7/8"(22.2) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P72THMU-A(-BS)	PURY-P72THMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	6,550	6,550
		m ³ / min	185	185
		L/s	3,080	3,080
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control , Direct-driven by motor
	Motor output	kW	0.92	0.92
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	4.4
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 23 lbs + 2 oz (10.5kg)	R410A x 23 lbs + 2 oz (10.5kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	519(235)	519(235)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	5/8"(15.88)Brazed	5/8"(15.88)Brazed
	Low pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L664	
	Wiring		WKE94C209	WKE94C209
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). * Due to continuing improvement, above specifications may be subject to change without notice. * The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.

Model			PURY-P168TSHMU-A(-BS)
Power source			3-phase 3-wire 208-230V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	168,000
	*1	kW	49.2
	Power input	kW	14.19
	(208-230) Current input	A	43.7-39.5
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
	*2	kW	55.1
	Power input	kW	15.14
	(208-230) Current input	A	46.6-42.2
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 42
Sound pressure level (measured in anechoic room)			61.0
Refrigerant piping diameter	High pressure	in.(mm)	7/8"(22.2) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P72THMU-A(-BS)		PURY-P96THMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,550		7,750	
		m ³ / min	185		220	
		L/s	3,080		3,670	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
	*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.4		7.0	
	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) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 23 lbs + 2 oz (10.5kg)		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	519(235)		585(265)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	in.(mm)	5/8"(15.88)Brazed		3/4"(19.05)Brazed	
	Low pressure	in.(mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L665			
	Wiring		WKE94C209		WKE94C210	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.			

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			
* Due to continuing improvement, above specifications may be subject to change without notice.			
* The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

Model			PURY-P192TSHMU-A(-BS)
Power source			3-phase 3-wire 208-230V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	192,000
	*1	kW	56.3
	(208-230)	Power input	17.04
		Current input	52.5-47.5
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
	*2	kW	58.6
	(208-230)	Power input	15.85
		Current input	48.8-44.2
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 48
Sound pressure level (measured in anechoic room)			62.0
Refrigerant piping diameter	High pressure	in.(mm)	7/8"(22.2) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P96THMU-A(-BS)	PURY-P96THMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,750
		m ³ / min	220	220
		L/s	3,670	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
*3 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	7.0
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	7/8"(22.2)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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/	=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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).						*Above specification data is subject to rounding variation.
* Due to continuing improvement, above specifications may be subject to change without notice.						
* The data presented is based on a specific combination.						

Model			PURY-P216TSHMU-A(-BS)
Power source			3-phase 3-wire 208-230V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	216,000
	*1	kW	63.3
	Power input	kW	19.32
	(208-230) Current input	A	59.5-53.8
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
	*2	kW	66.8
	Power input	kW	19.38
	(208-230) Current input	A	59.7-54.0
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)
Sound pressure level (measured in anechoic room)			dB <A> 62.0
Refrigerant piping diameter	High pressure	in.(mm)	1-1/8"(28.58) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P96THMU-A(-BS)	PURY-P120THMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,950
		m³ / min	220	225
		L/s	3,670	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
*3 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	8.1
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	7/8"(22.2)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			
* Due to continuing improvement, above specifications may be subject to change without notice.			
* The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

Model			PURY-P240TSHMU-A(-BS)
Power source			3-phase 3-wire 208-230V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	240,000
	*1	kW	70.3
	(208-230)	Power input	21.61
		Current input	66.6-60.2
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
	*2	kW	70.3
	(208-230)	Power input	20.92
		Current input	64.5-58.3
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	Total capacity		50 to 150 % of outdoor unit capacity
connectable	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)
Sound pressure level (measured in anechoic room)		dB <A>	63.0
Refrigerant	High pressure	in.(mm)	1-1/8"(28.58) Brazed
piping diameter	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P120THMU-A(-BS)	PURY-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		0.92	0.92
*3 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	8.1	8.1
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	1-1/8"(28.58)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			
* Due to continuing improvement, above specifications may be subject to change without notice.			
* The data presented is based on a specific combination.			*Above specification data is subject to rounding variation.

Model			PURY-P72YHMu-A(-BS)		PURY-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		
		*1	kW	21.1		28.1	
	(460)	Power input	kW	5.55		8.27	
		Current input	A	7.7		11.6	
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		
		*2	kW	23.4		31.7	
	(460)	Power input	kW	6.04		8.66	
		Current input	A	8.4		12.0	
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 150 % of outdoor unit capacity		50 to 150 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 1 to 18		P06 to P96 / 1 to 24		
Sound pressure level (measured in anechoic room)			dB <A>	58.0	58.0		
Refrigerant piping diameter	High pressure	in. (mm)	5/8"(15.88) Brazed		3/4"(19.05) Brazed		
	Low pressure	in. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		
	Airflow rate	cfm	6,550		7,750		
		m ³ / min	185		220		
		L/s	3,080		3,670		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92		0.92		
	*3	External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter		Inverter		
	Motor output	kW	4.4		7.0		
	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) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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, Over-current protection / Thermal switch		
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)		R410A x 26 lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller		Indoor LEV and BC controller		
Net weight		lbs (kg)	552(250)		618(280)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			-		-		
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94L667		WKB94L668		
	Wiring		WKE94C212		WKE94C212		
	Refrigerant cycle		-		-		
Standard attachment	Document		Installation Manual		Installation Manual		
	Accessory		Details refer to External Drw		Details refer to External Drw		
Optional parts			joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB		joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

Note :

*1 Nominal cooling conditions
Indoor : 80degF D.B./ 67degF W.B.
(26.7degC D.B./ 19.4degC W.B.)
Outdoor : 95degF D.B.
(35degC D.B.)
Pipe length : 25ft.(7.6m)
Level difference : 0ft.(0m)

*2 Nominal heating conditions
70degF D.B.
(21.1degC D.B.)
47degF D.B./ 43degF W.B.
(8.3degC D.B./ 6.1degC W.B.)
25ft.(7.6m)
0ft.(0m)

Unit converter
kcal =kW x 860
BTU/h =kW x 3,412
cfm =m³/min x 35.31
lb =kg / 0.4536

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

Model			PURY-P120YHMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	120,000	
	*1	kW	35.2	
	(460)	Power input	kW	10.59
		Current input	A	14.7
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	
	*2	kW	35.2	
	(460)	Power input	kW	10.16
		Current input	A	14.1
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 150 % of outdoor unit capacity		
	Model / Quantity	P06 to P96 / 1 to 30		
Sound pressure level (measured in anechoic room)		dB <A>	60.0	
Refrigerant	High pressure	in. (mm)	3/4"(19.05) Brazed	
piping diameter	Low pressure	in. (mm)	1-1/8"(28.58) Brazed	
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	
	*3 External static press.	0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	8.1	
	Case heater	kW	0.057(230 V)	
	Lubricant		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		
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 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	618(280)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L668	
	Wiring		WKE94C212	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :	*1 Nominal cooling conditions		*2 Nominal 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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).						
* Due to continuing improvement, above specifications may be subject to change without notice.						
* The data presented is based on a specific combination.						
					*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

DATA U5

R2

Model			PURY-P144YSHMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	144,000
	*1	kW	42.2
	Power input	kW	11.32
	(460) Current input	A	15.7
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
	*2	kW	46.9
	Power input	kW	12.44
	(460) Current input	A	17.3
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 36
Sound pressure level (measured in anechoic room)			dB <A> 61.0
Refrigerant	High pressure	in.(mm)	7/8"(22.2) Brazed
piping diameter	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P72YHMU-A(-BS)		PURY-P72YHMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,550		6,550	
		m ³ / min	185		185	
		L/s	3,080		3,080	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW		0.92	
*3 External static press.			0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.4		4.4	
	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) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 23 lbs + 2 oz (10.5kg)		R410A x 23 lbs + 2 oz (10.5kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	552(250)		552(250)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	in.(mm)	5/8"(15.88)Brazed		5/8"(15.88)Brazed	
	Low pressure	in.(mm)	3/4"(19.05)Brazed		3/4"(19.05)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L670			
	Wiring		WKE94C212		WKE94C212	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.			

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/	=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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).						*Above specification data is subject to rounding variation.
* Due to continuing improvement, above specifications may be subject to change without notice.						
* The data presented is based on a specific combination.						

1. SPECIFICATIONS

DATA U5

Model			PURY-P168YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	168,000	
		kW	49.2	
	(460)	Power input	14.19	
		Current input	19.7	
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	
	(460)	Power input	15.14	
		Current input	21.1	
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	Total capacity		50 to 150 % of outdoor unit capacity	
connectable	Model / Quantity		P06 to P96 / 1 to 42	
Sound pressure level (measured in anechoic room)			dB <A>	61.0
Refrigerant	High pressure	in.(mm)	7/8"(22.2) Brazed	
piping diameter	Low pressure	in.(mm)	1-1/8"(28.58) Brazed	

Set Model

Model			PURY-P72YHMU-A(-BS)	PURY-P96YHMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	6,550	7,750
		m ³ / min	185	220
		L/s	3,080	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
*3 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	7.0
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 23 lbs + 2 oz (10.5kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	552(250)	618(280)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	5/8"(15.88)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	3/4"(19.05)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L671	
	Wiring		WKE94C212	WKE94C212
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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/	=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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).						
* Due to continuing improvement, above specifications may be subject to change without notice.						
* The data presented is based on a specific combination.						
					*Above specification data is subject to rounding variation.	

Model			PURY-P192YSHMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	192,000
	*1	kW	56.3
	Power input	kW	17.04
	(460) Current input	A	23.7
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
	*2	kW	58.6
	Power input	kW	15.85
	(460) Current input	A	22.1
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 48
Sound pressure level (measured in anechoic room)			dB <A> 62.0
Refrigerant piping diameter	High pressure	in.(mm)	7/8"(22.2) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P96YHMU-A(-BS)	PURY-P96YHMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,750
		m ³ / min	220	220
		L/s	3,670	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
	*3 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	7.0
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	618(280)	618(280)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	7/8"(22.2)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L672	
	Wiring		WKE94C212	WKE94C212
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			
* Due to continuing improvement, above specifications may be subject to change without notice.			
* The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U5

Model			PURY-P216YSHMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	216,000
	*1	kW	63.3
	(460)	Power input	19.32
		Current input	26.9
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
	*2	kW	66.8
	(460)	Power input	19.38
		Current input	27.0
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	Total capacity		50 to 150 % of outdoor unit capacity
connectable	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)
Sound pressure level (measured in anechoic room)		dB <A>	62.0
Refrigerant	High pressure	in.(mm)	1-1/8"(28.58) Brazed
piping diameter	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P96YHMU-A(-BS)	PURY-P120YHMU-A(-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,950
		m ³ / min	220	225
		L/s	3,670	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
*3 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	8.1
	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) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
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 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	618(280)	618(280)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Low pressure	in.(mm)	7/8"(22.2)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L672	
	Wiring		WKE94C212	WKE94C212
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.	

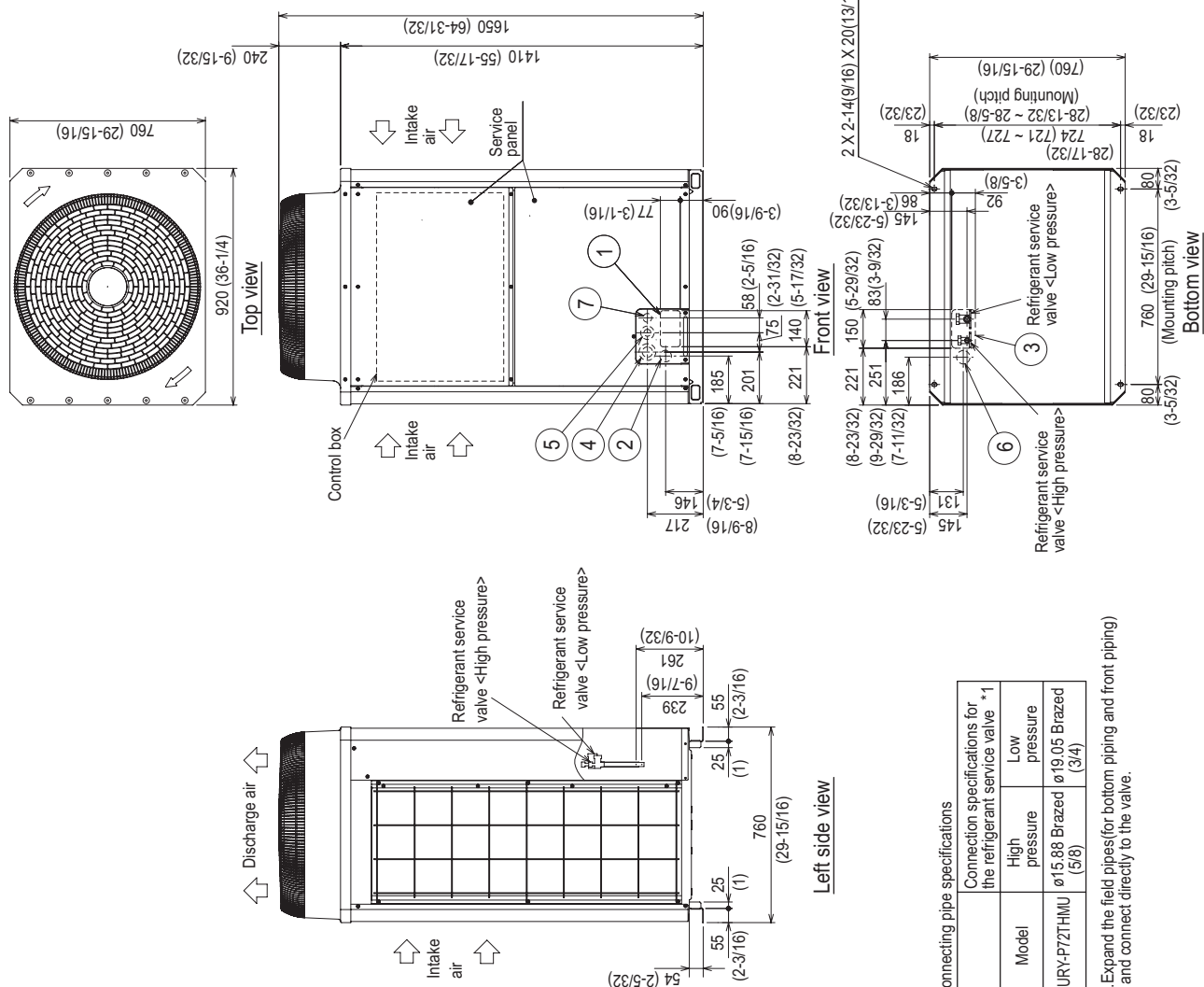
Note :	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
	Indoor :	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)	kcal	=kW x 860
	Outdoor :	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	BTU/	=kW x 3,412
	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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).						
* Due to continuing improvement, above specifications may be subject to change without notice.						
* The data presented is based on a specific combination.						
					*Above specification data is subject to rounding variation.	

Model			PURY-P240YSHMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal)	*1	BTU / h	240,000
	*1	kW	70.3
	Power input	kW	21.61
	(460) Current input	A	30.1
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
	*2	kW	70.3
	Power input	kW	20.92
	(460) Current input	A	29.1
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 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)
Sound pressure level (measured in anechoic room)			dB <A> 63.0
Refrigerant piping diameter	High pressure	in.(mm)	1-1/8"(28.58) Brazed
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed

Set Model

Model			PURY-P120YHMU-A(-BS)		PURY-P120YHMU-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	
*3 External static press.			0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	8.1		8.1	
	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) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 26 lbs + 1 oz (11.8kg)		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	618(280)		618(280)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	in.(mm)	3/4"(19.05)Brazed		3/4"(19.05)Brazed	
	Low pressure	in.(mm)	1-1/8"(28.58)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L672			
	Wiring		WKE94C212		WKE94C212	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.			

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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	kcal =kW x 860 BTU/ =kW x 3,412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). * Due to continuing improvement, above specifications may be subject to change without notice. * The data presented is based on a specific combination.			
			*Above specification data is subject to rounding variation.



NO.	Usage	Specifications
①	Front through hole	140 X 77 Knockout hole (5-17/32)(3-1/16)
②	For pipes Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 X 92 Knockout hole (5-29/32)(3-5/8)
④	Front through hole	ø82.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
⑤	For wires Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	For transmission cables Front through hole	ø34 Knockout hole (1-11/32)

Note 1. Please refer to (2/2) 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).

Connecting pipe specifications		
Model	High pressure	Low pressure
PURV-P72THMU	ø15.88 Brazed (5/8)	ø19.05 Brazed (3/4)

11. Expand the field pipes (for bottom piping and front piping) and connect directly to the valve.

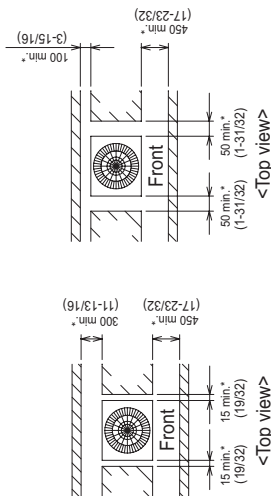
PURY-P72THMU-A(-BS)

Ref. : PURY_THMU-A_EXD_USDB_P72_R2
Unit : mm(in)

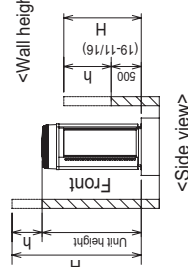
1.Required space around the unit

● 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



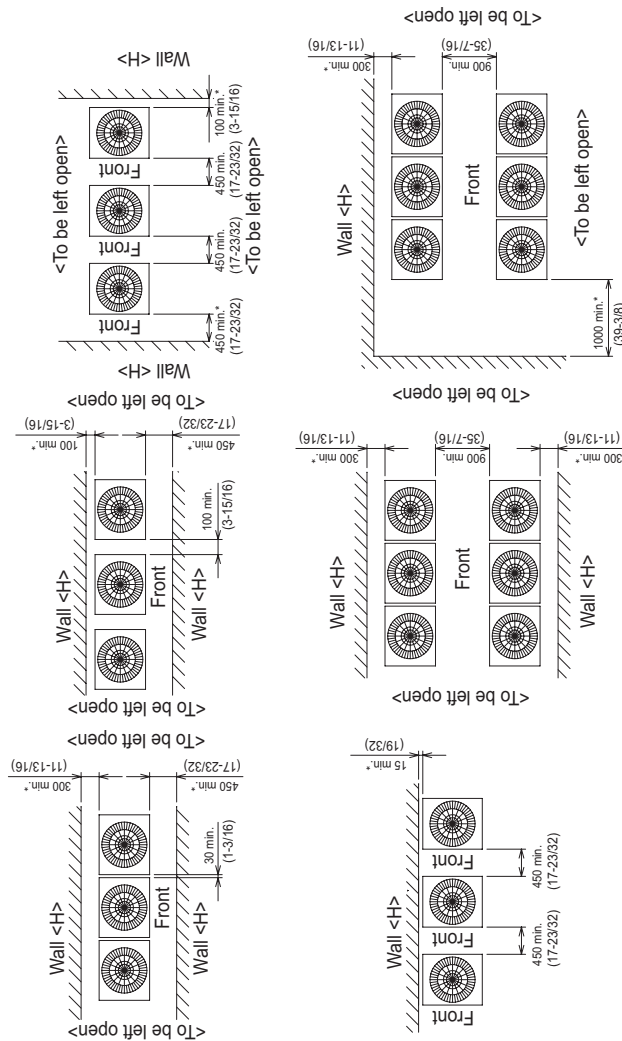
- When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Wall height limit> Front : Up to the unit height
Back : Up to 500mm (19-11/16) from the unit bottom
Side : Up to the unit height

● 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.



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.

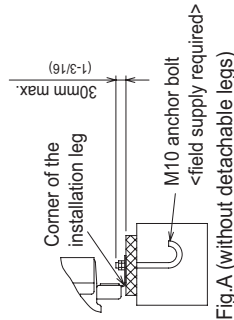


Fig.A (without detachable legs)

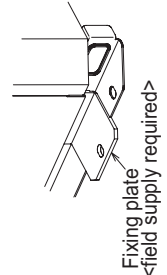


Fig.B (without detachable legs)

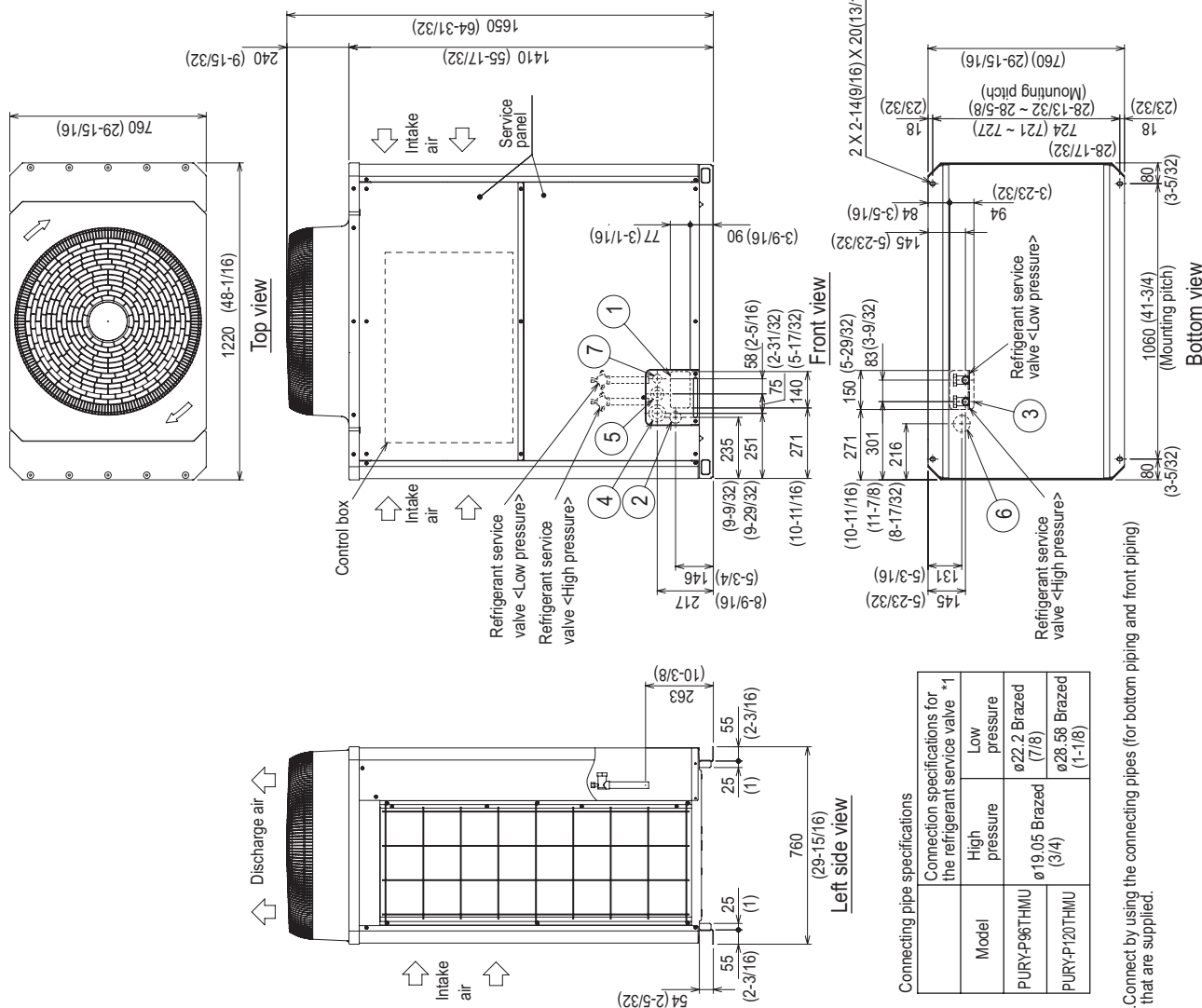
PURY-P96,120THMU-A-(BS)

Ref. : PURY_THMU-A_EXD_USDB_P96-120_R1
Unit : mm(in)

- <Accessories>
● Connecting pipe
<Low pressure> · Pipe (IDø25.4(1) X IDø22.2(7/8))..... P96 1 pc.
· Pipe (IDø25.4(1) X IDø28.58(1-1/8))..... P120 1 pc.
<High pressure> · Pipe (IDø25.4(1) X ODø19.05(3/4))..... P96, P120 1 pc.
· Elbow (IDø19.05(3/4) X ODø19.05(3/4))..... P96, P120 1 pc.

Note 1. Please refer to (2/2) 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	140 X 77 Knockout hole (5-17/32)(3-1/16)
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 X 94 Knockout hole (5-29/32)(3-23/32)
④	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
⑤	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑥	Bottom through hole	ø65 Knockout hole (2-9/16)
⑦	For transmission cables	ø34 Knockout hole (1-11/32)



Connecting pipe specifications	
Model	Connection specifications for the refrigerant service valve *1
PURY-P96THMU	High pressure Low pressure
PURY-P120THMU	ø19.05 Brazed (3/4) ø22.2 Brazed (7/8) ø28.58 Brazed (1-1/8)

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

2. EXTERNAL DIMENSIONS

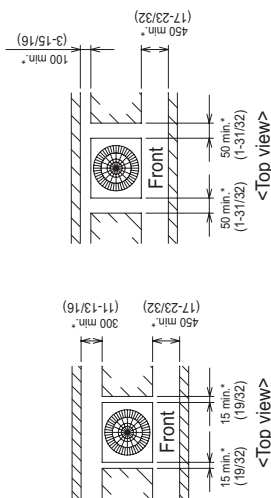
PURY-P96,120THMU-A(-BS)

Ref. : PURY_THMU-A_EXD_USDB_P96-120_R2
Unit : mm(in)

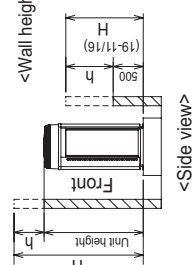
1.Required space around the unit

- In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm (11-13/16) to the wall on the back of the unit
 - With a space of at least 100mm (3-15/16) to the wall on the back of the unit



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



2.Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
- ② Note that the drain water comes out of the unit during operation. >
<Note that the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)
- ③ When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ④ The protrusion length of the anchor bolt must not exceed 30mm (1-3/16). (Fig.A)
- ⑤ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- ⑥ 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>.
- ⑦ 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.
- ⑧ 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.

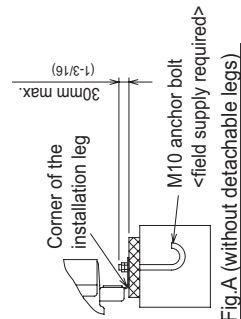
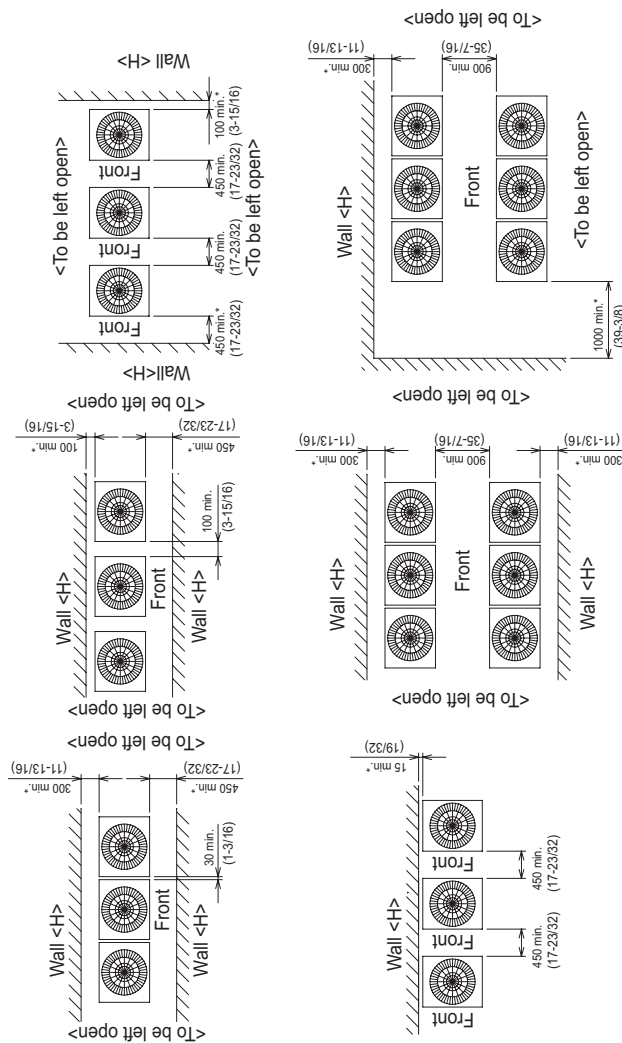


Fig.A (without detachable legs)

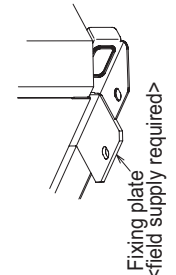
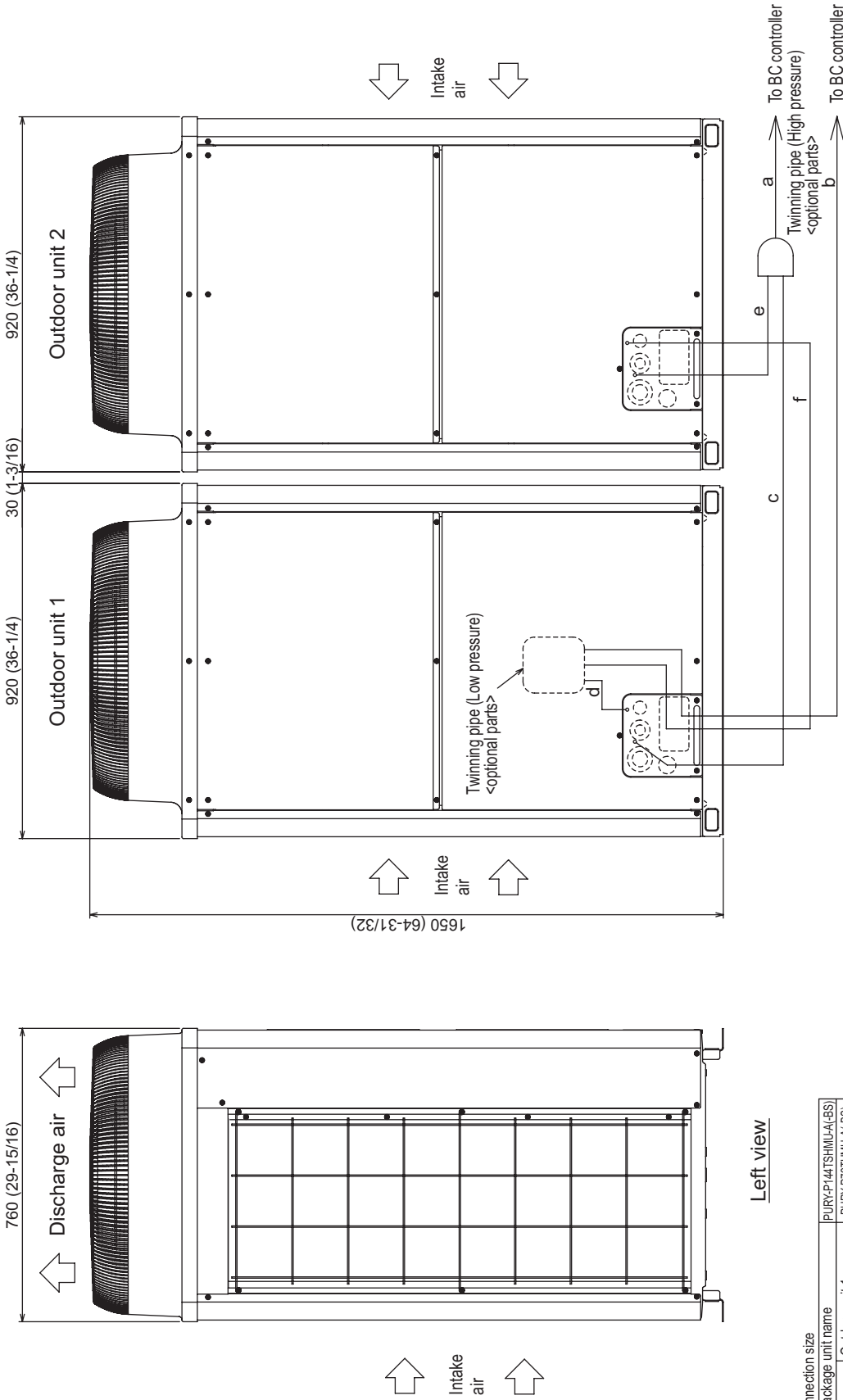


Fig.B (without detachable legs)

R2

PURY-P144TSHMU-A(-BS)

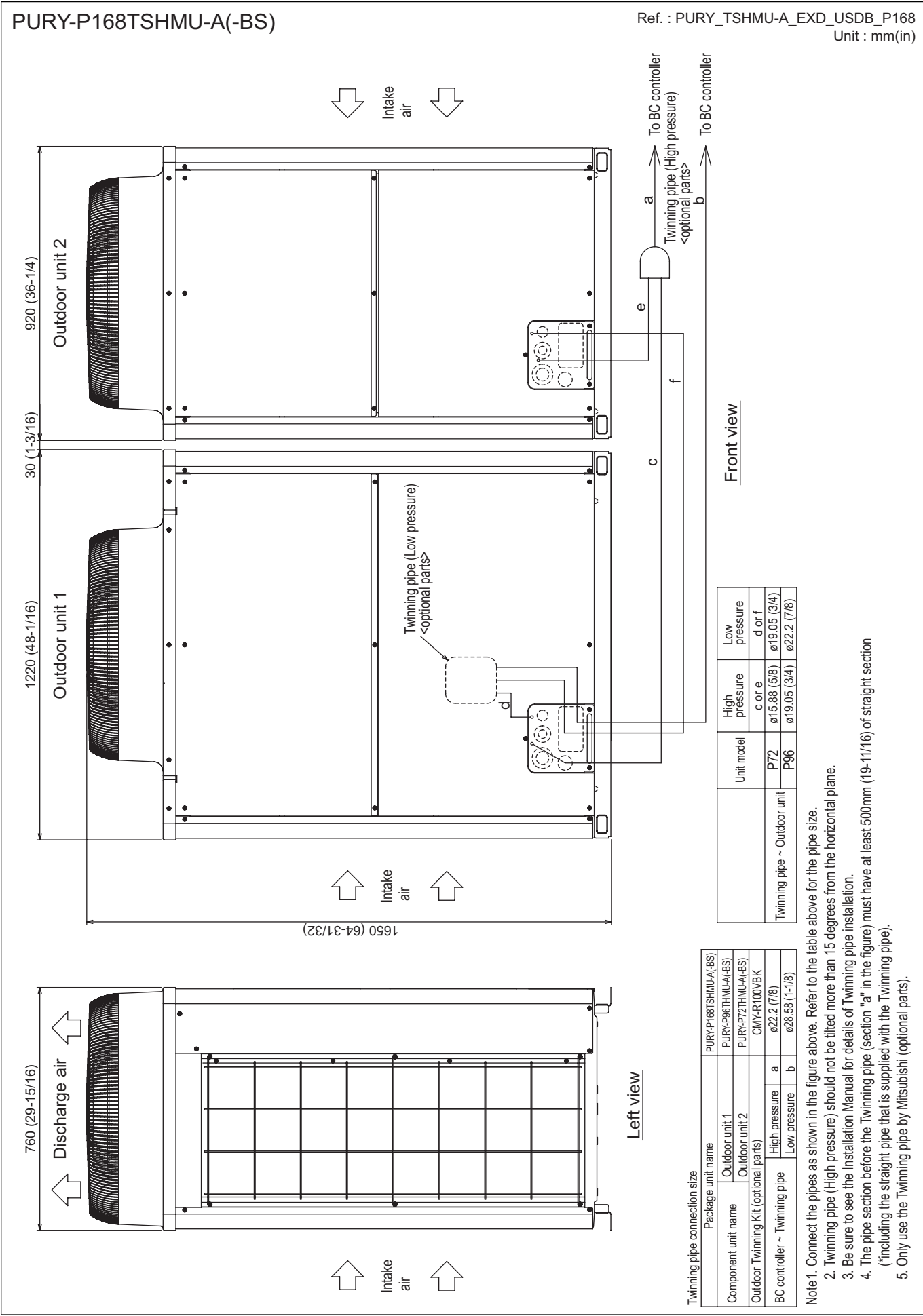
Ref. : PURY_TSHMU-A_EXD_USDB_P144
Unit : mm(in)



Twinning pipe ~ Outdoor unit	Unit model	High pressure c or e	Low pressure d or f
	P72	ø15.88 (5/8)	ø19.05 (3/4)

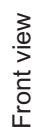
Twinning pipe connection size		Package unit name	PURY-P144TSHMU-A(-BS)
Component unit name	Outdoor unit 1	PURY-P72TSHMU-A(-BS)	
Component unit name	Outdoor unit 2	PURY-P72TSHMU-A(-BS)	
Outdoor Twinning Kit (optional parts)		CMY-R100VBK	
BC controller ~ Twinning pipe	High pressure	a	ø22.2 (7/8)
	Low pressure	b	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.
2. Twinning pipe (High pressure) 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 (section "a" 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).



DATA U5

Ref. : PURY_TSHMU-A_EXD_USDB_P192-240
Unit : mm(in)



	Unit model	High pressure	Low pressure
		core	d or f
Twinning pipe ~ Outdoor unit	P96	ø19.05(3/4)	ø22.7(7/8)
	P120	ø19.05(3/4)	ø28.58(1-1/8)

Twinning pipe connection size		Package unit name		Component unit name		Outdoor Twinning Kit (optional parts)	
		Outdoor unit 1	Outdoor unit 2				
PURY-P20THMU-A-(BS)	PURY-P240TSHMU-A-(BS)	PURY-P192TSHMU-A-(BS)	PURY-P216TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P120TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P120THMU-A-(BS)
	PURY-P20THMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P96TSHMU-A-(BS)	PURY-P120THMU-A-(BS)
PURY-P100VBK							
Ø28.56(1-1/8)	Ø28.2(7/8)	a	High pressure				
		b	Low pressure				
Ø28.56(1-1/8)							

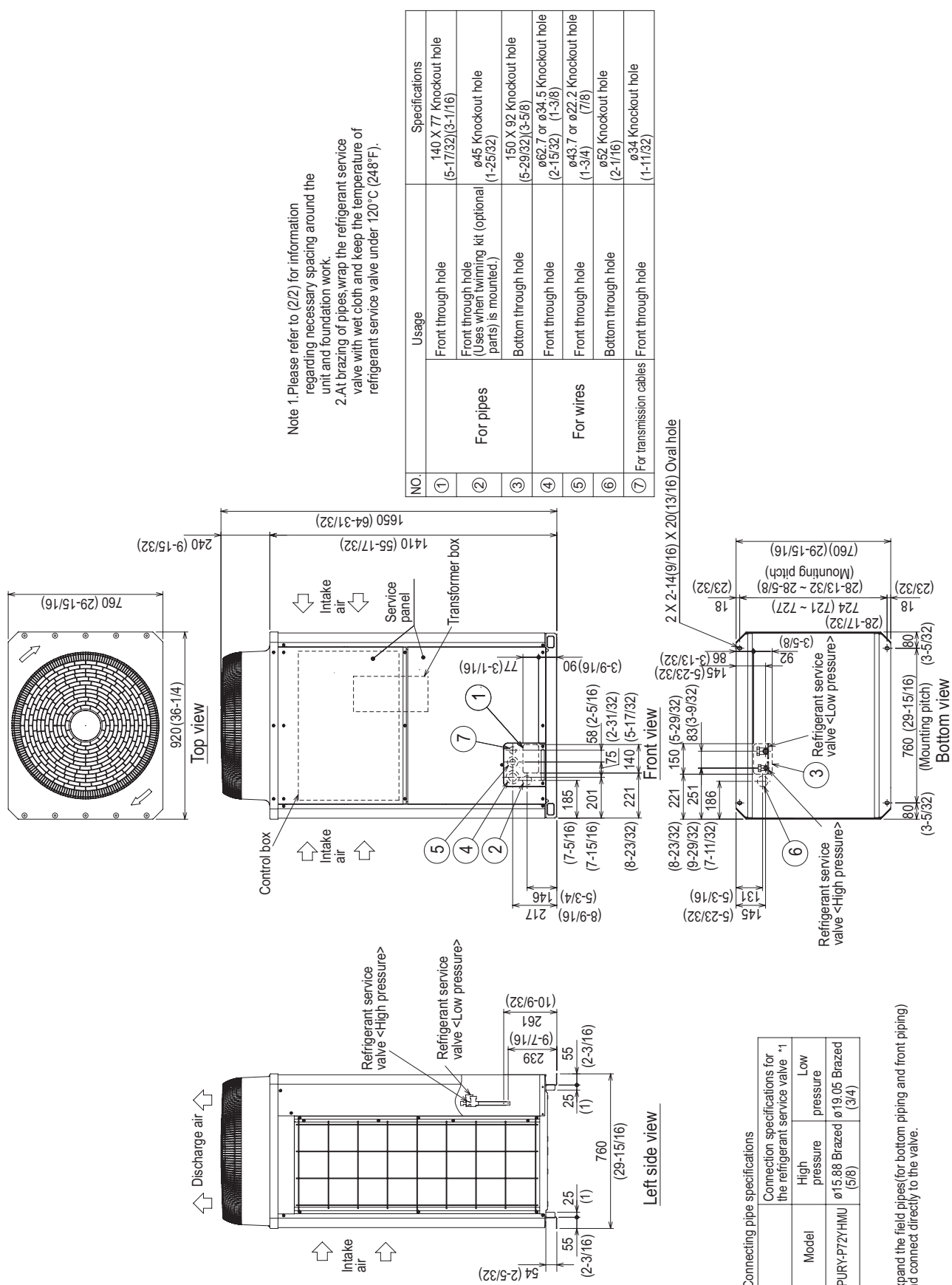
Note

1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipe (High pressure) 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 (section "a" 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).

2. EXTERNAL DIMENSIONS

PURY-P72YHMU-A(-BS)

Ref. : PURY_YHMu-A_EXD_USDB_P72_R1
Unit : mm(in)



*1.Expand the field pipes(for bottom piping and front piping) and connect directly to the valve.

R2

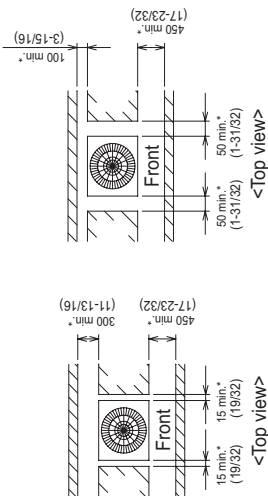
PURY-P72YHMU-A(-BS)

Ref. : PURY_YHMU-A_EXD_USDB_P72_R2
Unit : mm(in)

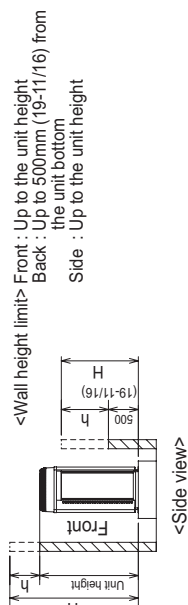
1. Required space around the unit

● 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.

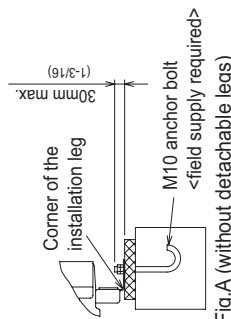


Fig.A (without detachable legs)

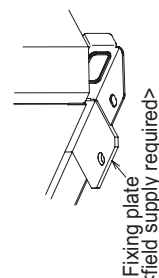
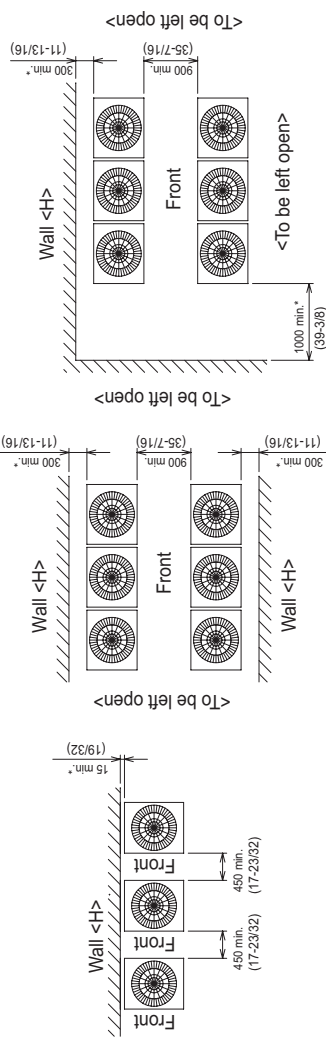
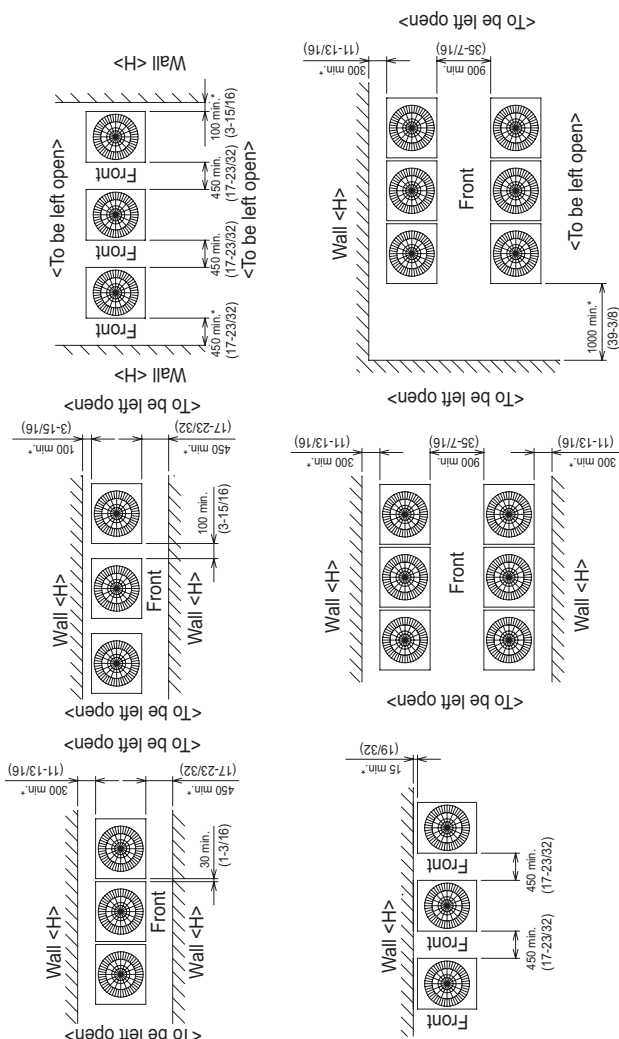


Fig.B (without detachable legs)

● 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.



Ref. : PURY_YHMu-A_EXD_USDB_P96-120_R1
Unit : mm(in)



R2

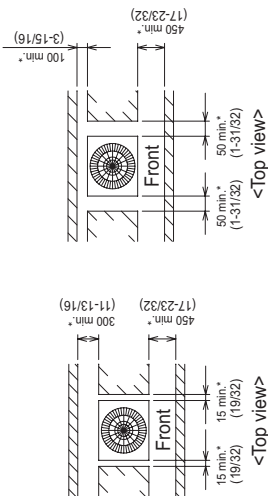
PURY-P96,120YHMU-A(-BS)

Ref. : PURY_YHMu-A_EXD_USDB_P96-120_R2
Unit : mm(in)

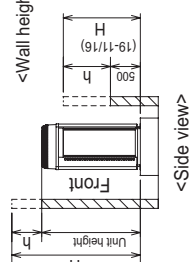
1.Required space around the unit

- In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm (11-13/16) to the wall on the back of the unit
 - With a space of at least 100mm (3-15/16) to the wall on the back of the unit



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

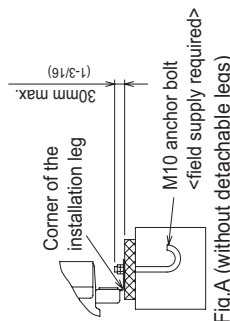
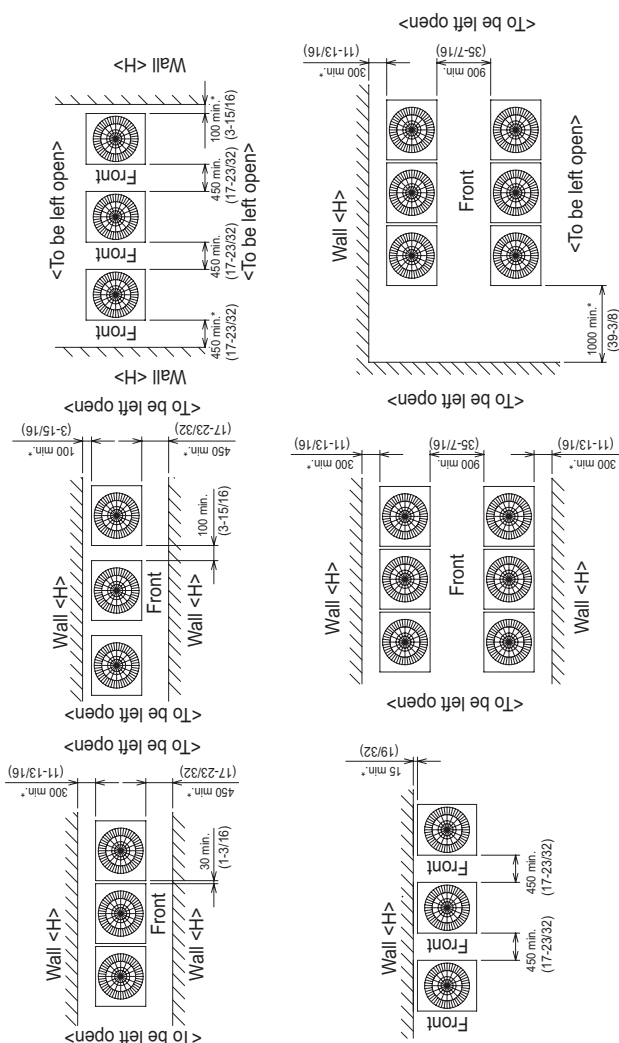
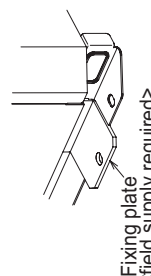
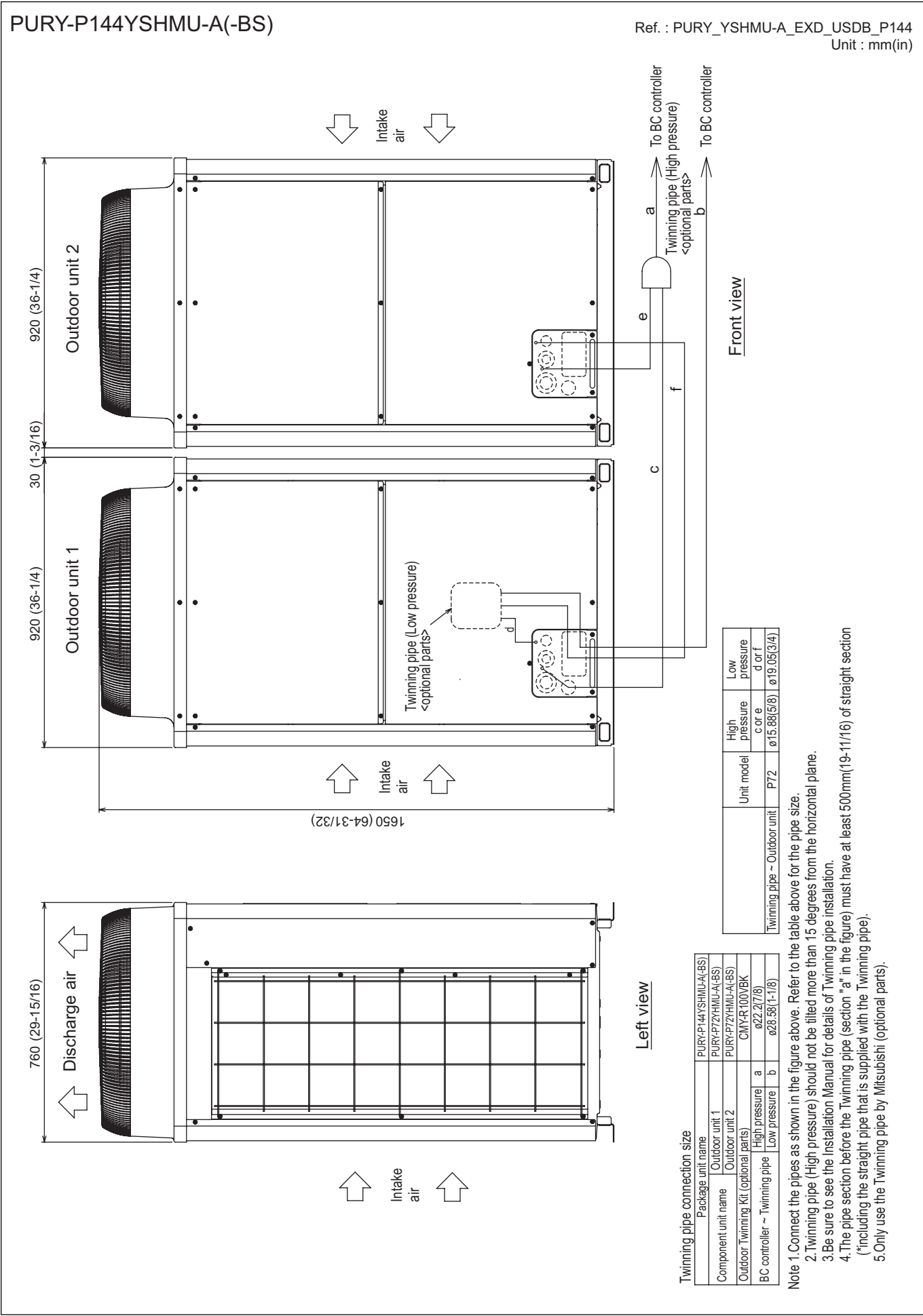


Fig.A (without detachable legs)



Fixing plate
field supply required

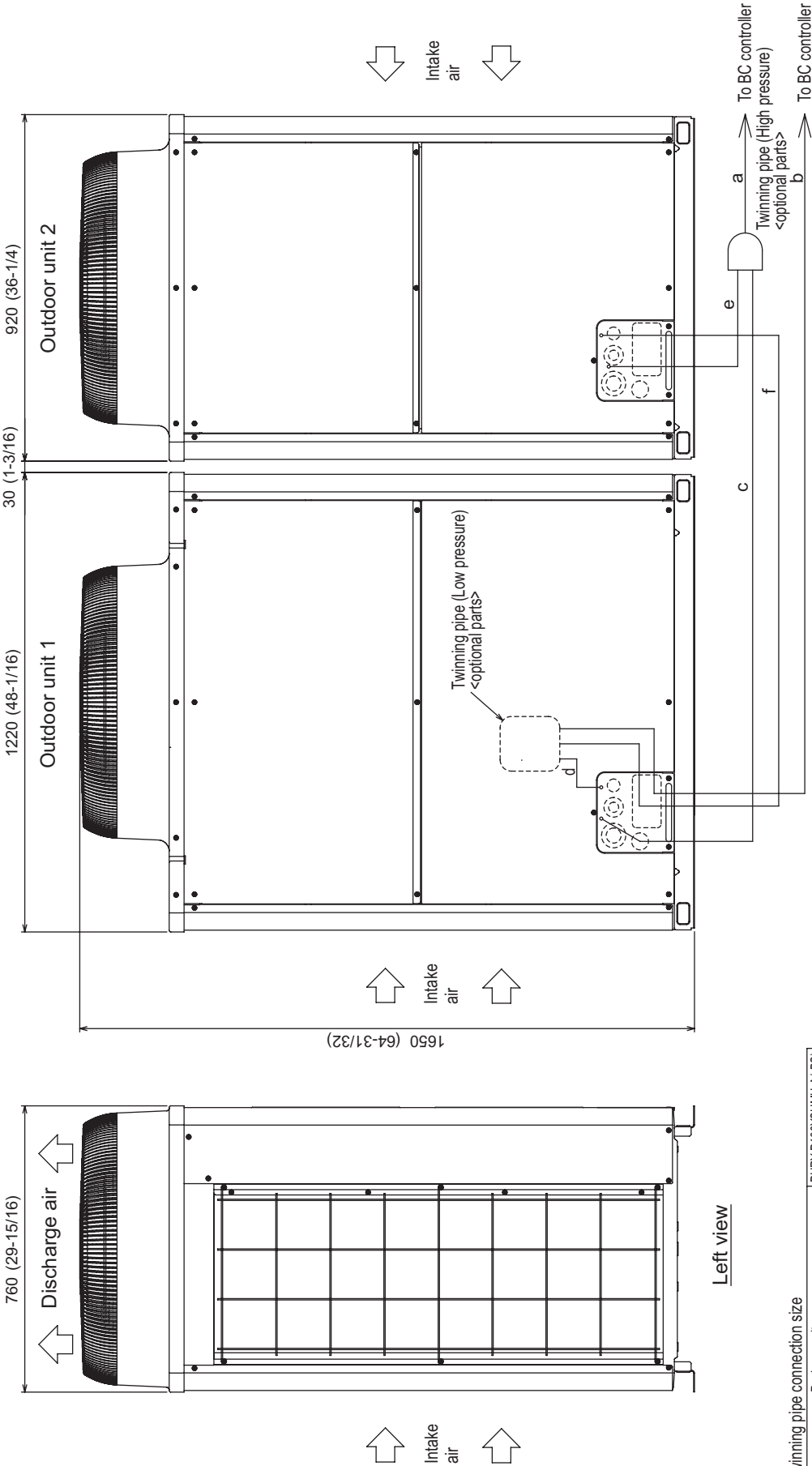
Fig.B (without detachable legs)



R2

PURY-P168YSHMU-A(-BS)

Ref. : PURY_YSHMU-A_EXD_USDB_P168
Unit : mm(in)



Front view

Left view

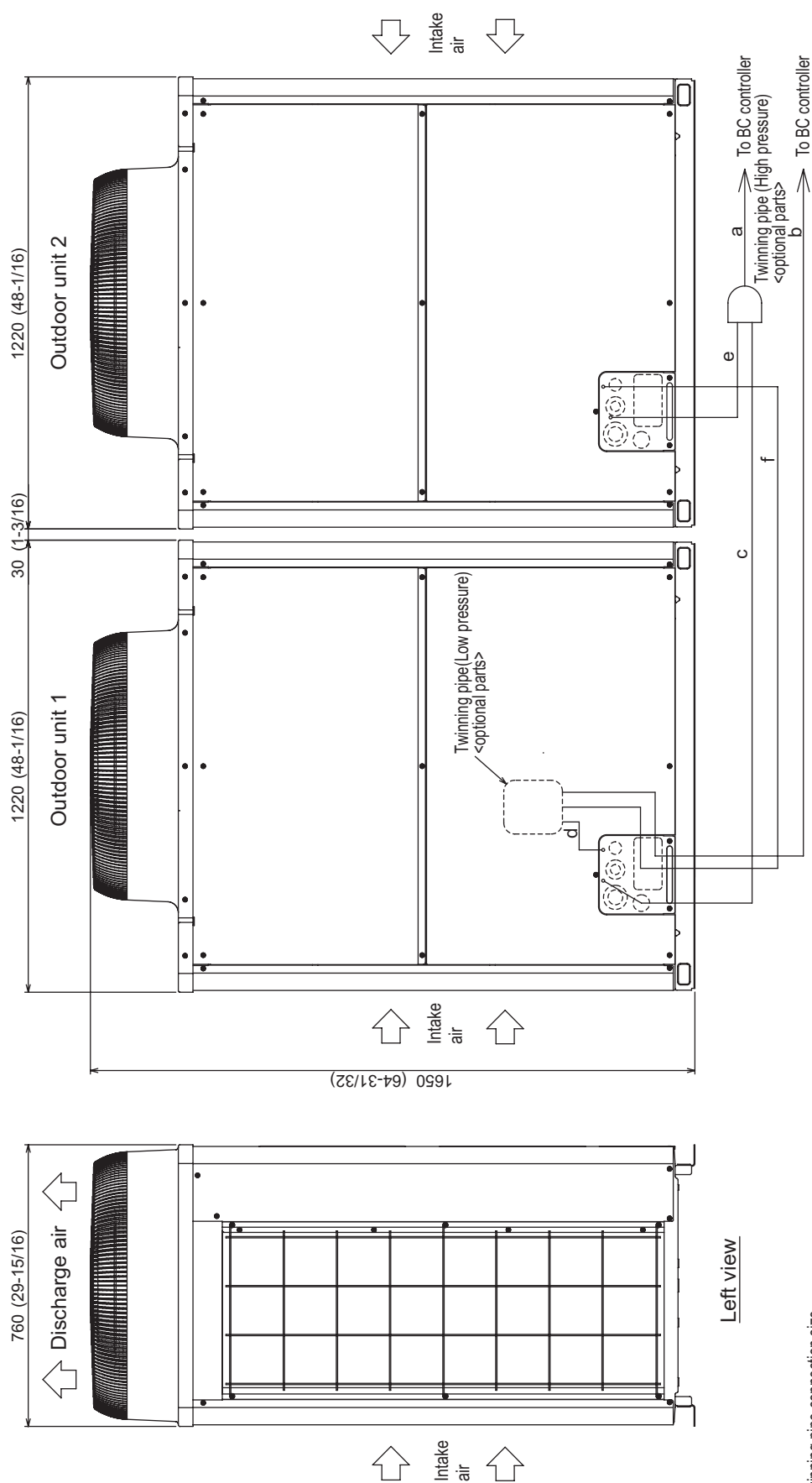
2. EXTERNAL DIMENSIONS

DATA U5

R2

PURY-P192,216,240YSHMU-A(-BS)

Ref. : PURY_YSHMU-A_EXD_USDB_P192-240
Unit : mm(in)



Twinning pipe connection size

Package unit name	PUR-Y-P192YSHMLA-(A)-(BS)	PUR-Y-P216YSHMLA-(A)-(BS)	PUR-Y-P240YSHMLA-(A)-(BS)
Outdoor unit 1	PUR-Y-P96YHMLA-(A)-(BS)	PUR-Y-P120YHMLA-(A)-(BS)	PUR-Y-P120YHMLA-(A)-(BS)
Outdoor unit 2	PUR-Y-P96YHMLA-(A)-(BS)	PUR-Y-P96YHMLA-(A)-(BS)	PUR-Y-P120YHMLA-(A)-(BS)
Outdoor Twinning Kit(optional parts)	CMY-T100VBK		
High pressure	ø22.2(7/8)		ø28.58(1-1/8)
Low pressure	a		ø28.59(1-1/8)

Front view

	Unit model	High pressure	Low pressure
	P96	core	d or f
	D120	ø19.05(3/4)	ø22.2(7/8)
		-10.05(2/1)	-10.05(2/1)
			-10.05(2/1)

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

2. Twinning pipe (High pressure) 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.

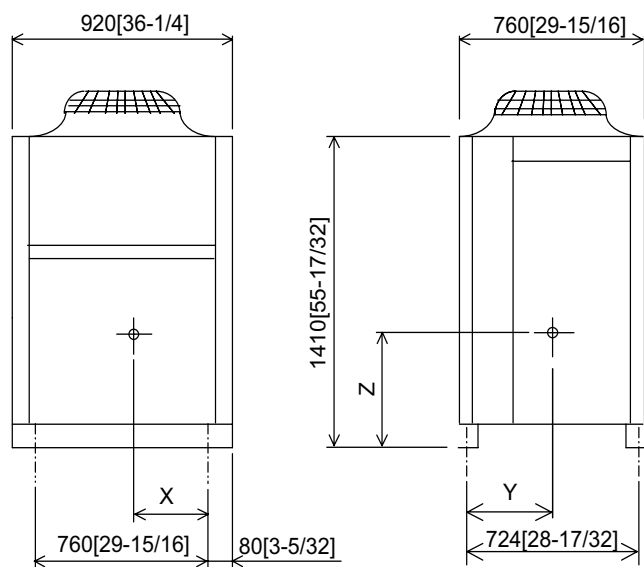
4. The pipe section before the Twinning pipe (section "a" in the figure) must have at least 500mm (19-11/16") of straight section

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

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

PURY-P72THMU-A (-BS)

PURY-P72YHMu-A (-BS)

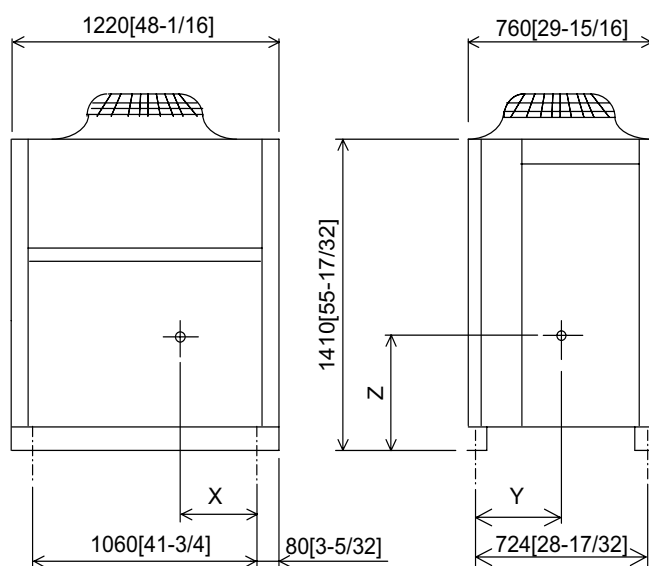


Unit : mm[in]

Model	X	Y	Z
PURY-P72THMU-A (-BS)	345[13-19/32]	332[13-3/32]	595[23-7/16]
PURY-P72YHMu-A (-BS)	338[13-5/16]	325[12-13/16]	608[23-15/16]

PURY-P96, 120THMU-A (-BS)

PURY-P96, 120YHMu-A (-BS)



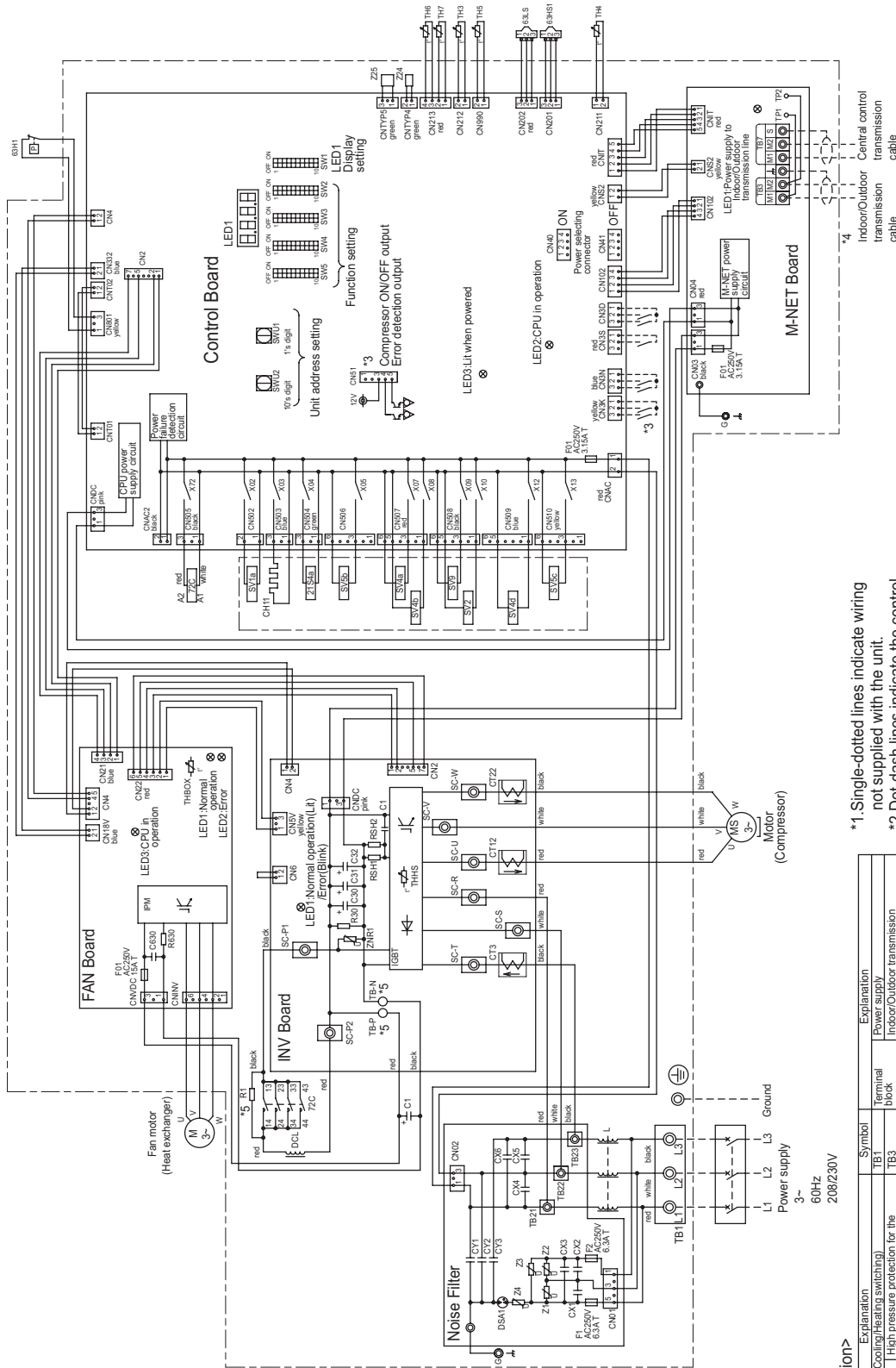
Unit : mm[in]

Model	X	Y	Z
PURY-P96THMU-A (-BS)	450[17-23/32]	322[12-11/16]	570[22-15/32]
PURY-P120THMU-A (-BS)	450[17-23/32]	322[12-11/16]	570[22-15/32]
PURY-P96YHMu-A (-BS)	440[17-11/32]	315[12-13/32]	583[22-31/32]
PURY-P120YHMu-A (-BS)	440[17-11/32]	315[12-13/32]	583[22-31/32]

Ref. : PURY_YHMu-A_COg_USDB_ALL

PURY-P72THMU-A(-BS)

Ref.:PURY_THMU-A_EWD_USDB_P72



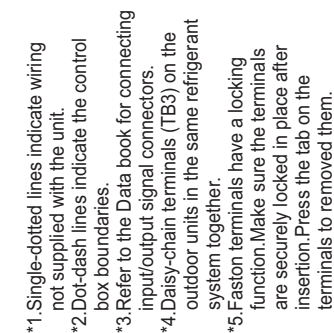
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
-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

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
21S4a	4-way valve (Cooling/Heating switching)	TB1	Power supply
63H1	Pressure switch	TB3	Indoor/Outdoor transmission cable
63LS1	Pressure sensor	TB7	Central control transmission cable
72C	Magnetic relay (inverter main circuit)	TH3	Liquid pipe temperature
CH11	Current sensor (AC)	TH4	Discharge pipe temperature
DCL	DC reactor	TH5	ACC inlet pipe temperature
SV1a	Solenoid valve	TH6	Heat exchanger inlet pipe temperature
SV2	For opening/closing the bypass circuit under the O/S	TH7	OA temperature
SV4a.b.d	Discharge suction bypass	THBOX	Control box internal temperature
SV3b	Heat exchanger capacity control	THRS	Control box internal temperature
SV5c	For opening/closing the bypass circuit	Z24.25	Function setting connector
SV9	Heat exchanger low pressure bypass		
SV9	For opening/closing the bypass circuit		

DATA U5

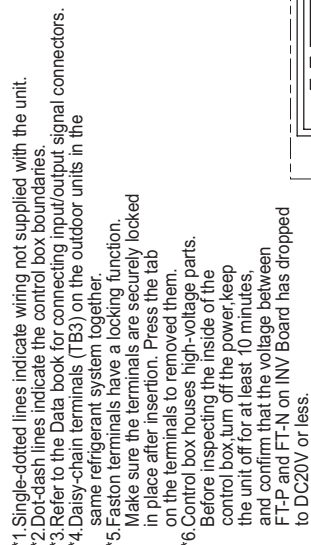
Ref.:PURY THMU-A EWD USDB P96-120



Symbol explanation>		Symbol	Explanation
Symbol	Explanation	Symbol	Explanation
4-way valve (Cooling/heating switching)		TB1	Power supply
Pressure switch	High pressure protection for the outdoor unit	TB3	Indoor/Outdoor transmission cable
Pressure switch	Discharge pressure protection	TB7	Central control transmission cable
Pressure switch	Discharge pressure protection		
Magnetic relay (over current)		TB3	Liquid pipe temperature
ACCT1.2.3	Current sensor (AC)	TH4	Discharge pipe temperature
CH11	Crankcase heater (for heating the compressor)	TH5	ACC inlet pipe temperature
DCCT1	Current sensor (DC)	TH6	Heat exchanger inlet pipe temperature
DC reactor			
Solenoid valve	For opening/closing the bypass circuit under the OIS	TH7	OA temperature
SV1a		TH8OX	Control box internal temperature
SV2	Discharge suction bypass	TH8S	GBT temperature
SV4a,b,c,d	Heat exchanger capacity control		
SV5b	For opening/closing the bypass circuit	Z24.25.26	Function setting connector
SV5c	Heat exchanger low pressure bypass		
SV6	For opening/closing the bypass		

R2

Ref.:PURY YHMU-A EWD USDB P72-120



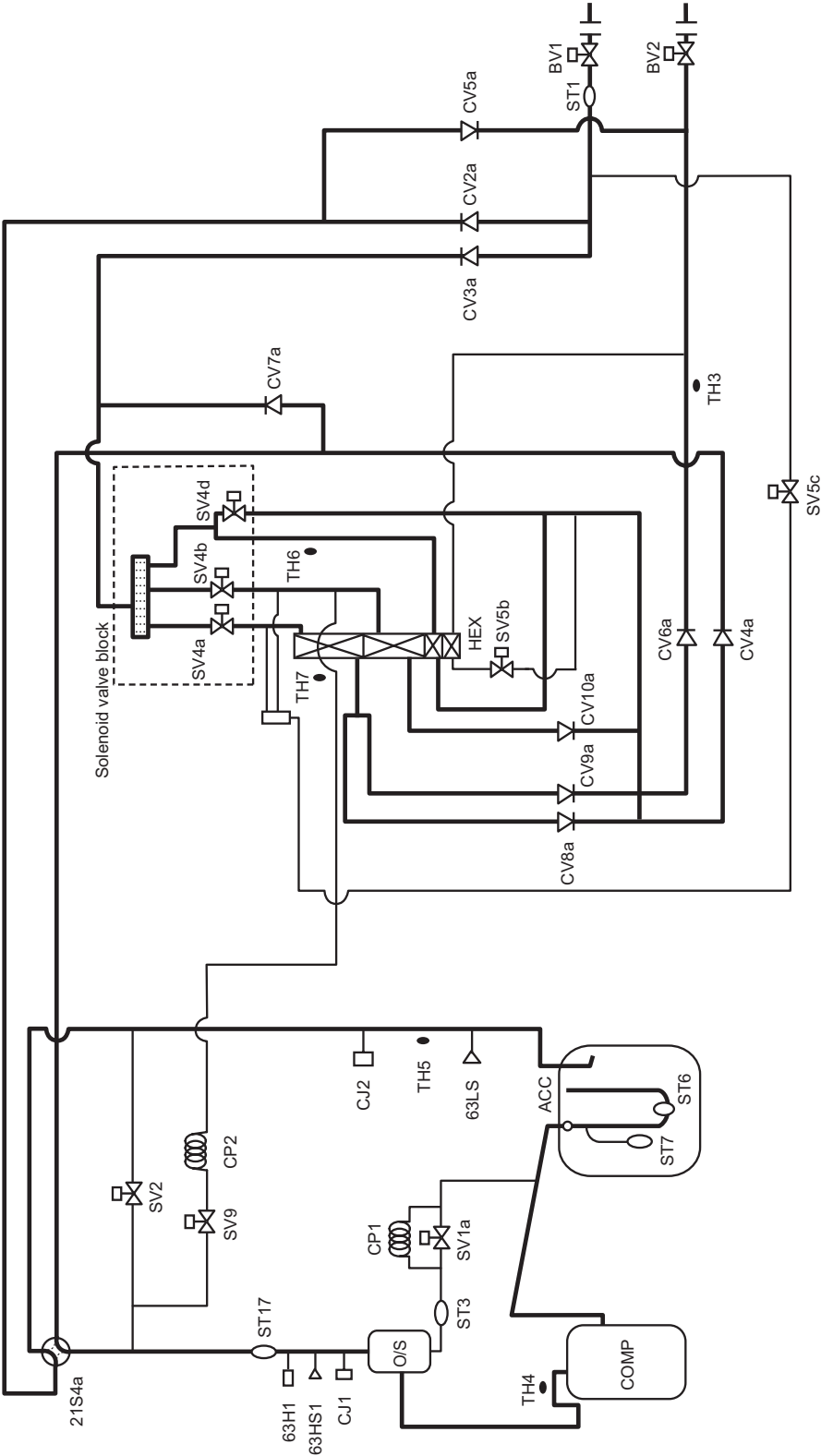
Model name	Appliance
P72	*7 do not exist
P96/P120	*7 exist

<Symbol explanation>

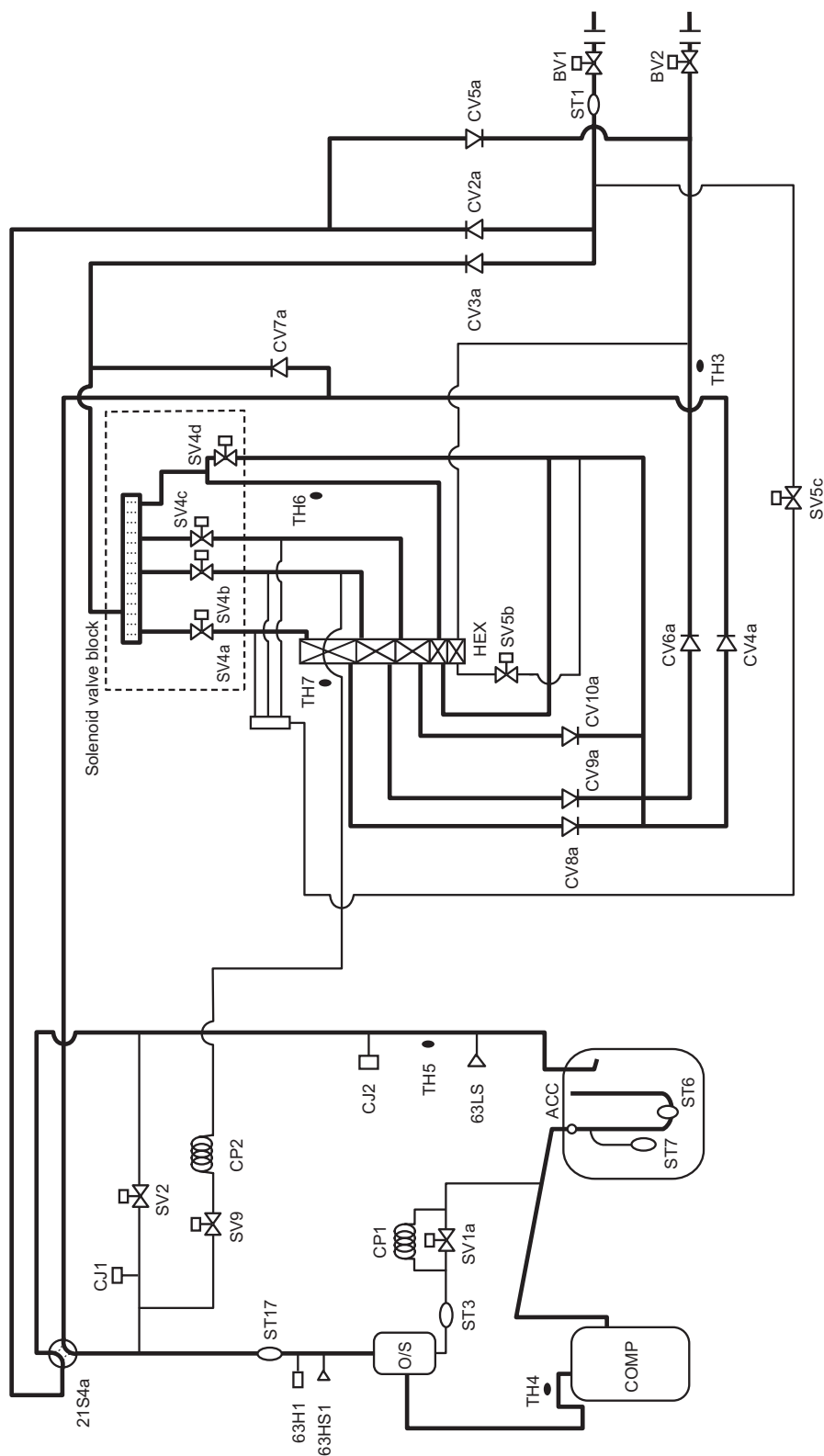
Symbol	Expansion
SV4a	4-way valve (Cooling/Heating switching)
PSH1	Pressure switch High pressure protection for the outdoor unit
PSH1S1	Pressure switch Discharge pressure
PSH1S	Pressure sensor Low pressure
WZC	Magnetic relay (inverter main circuit)
CT12.2/2.3	Current sensor (AC)
CH11	Crankcase heater (for heating the compressor)
DCR	DC reactor
SV1a	Solenoid valve For opening/closing the bypass circuit under the O/S
SV2	Discharge suction bypass
SV4a,b,c,d	Heat exchanger capacity control
SV3b	For opening/closing the bypass circuit
SV5c	Heat exchanger low pressure bypass
SV9	For opening/closing the bypass circuit
TS1	Power supply
TS3	Indoor/Outdoor transmission cable
TS7	Central control transmission cable
TH3	Discharge pipe temperature
TH4	Discharge pipe temperature
TH5	ACC. inlet pipe temperature
TH6	Heat exchanger inlet pipe temperature
TH7	O/A temperature
TH8OX	Control box internal temperature
TH8S	IGBT temperature

(1) PURY-P72 THMU/YHMU(-BS)

R2



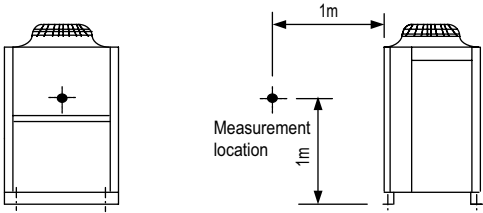
(2) PURY-P96, P120 THMU/YHMu(-BS)



R2

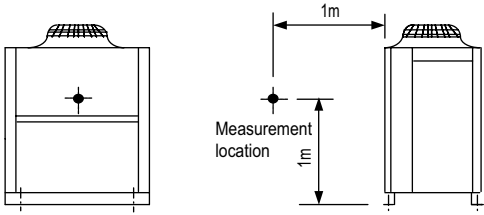
R2

Measurement condition
PURY-P72THMU/YHMU



Ref.:PURY_THMU_NCC_USDB_R1

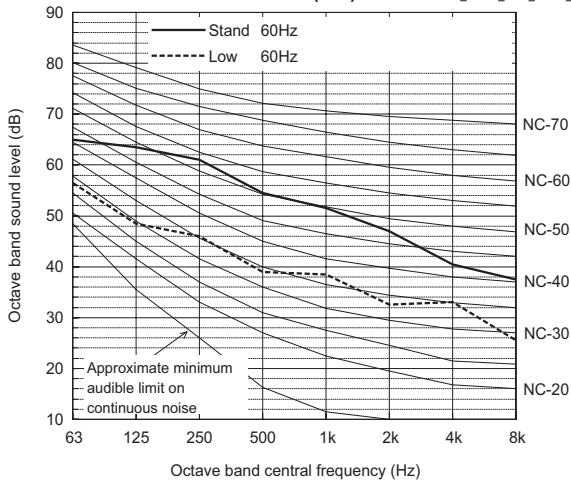
Measurement condition
PURY-P96,120THMU/YHMU



Ref.:PURY_THMU_NCC_USDB_R2

Sound level of PURY-P72T/YHMU-A(-BS)

Ref.:PURY_THMU_NCC_USDB_P72

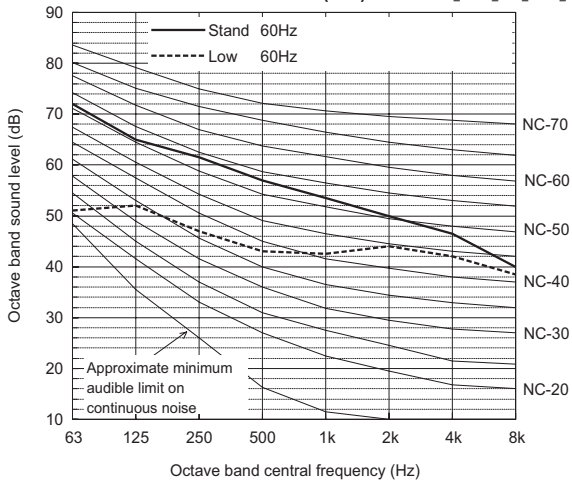


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.0	63.5	61.0	54.5	51.5	47.0	40.5	37.5	58.0
Low noise mode	60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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 level of PURY-P120T/YHMU-A(-BS)

Ref.:PURY_THMU_NCC_USDB_P120

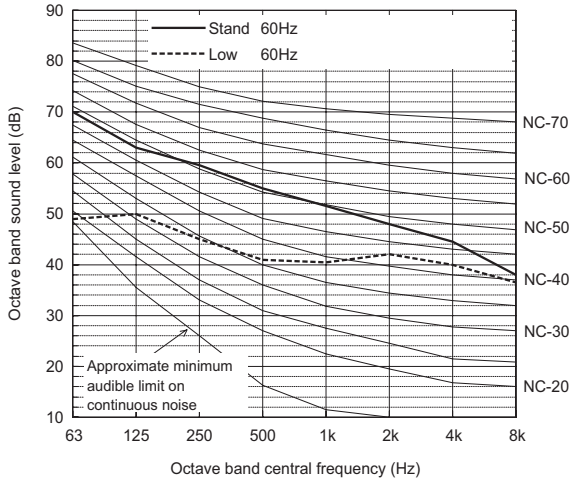


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Low noise mode	60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

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.

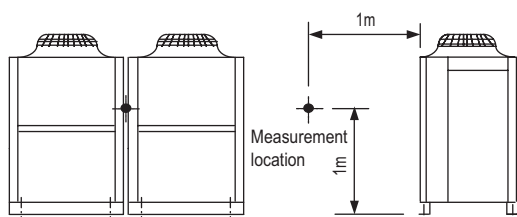
Sound level of PURY-P96T/YHMU-A(-BS)

Ref.:PURY_THMU_NCC_USDB_P96

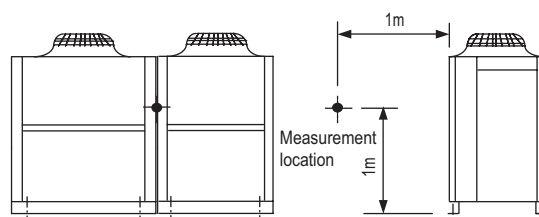


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	70.0	63.0	59.5	55.0	51.5	48.0	44.5	38.0	58.0
Low noise mode	60Hz	49.0	50.0	45.0	41.0	40.5	42.0	40.0	36.5	48.0

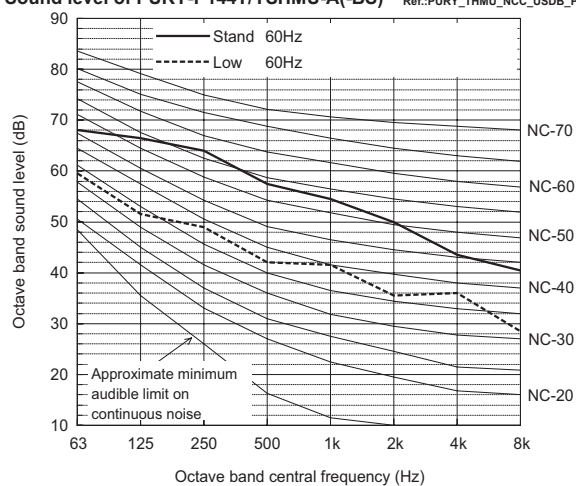
When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition
PURY-P144TSHMU/YSHMU


Ref.:PURY_THMU_NCC_USDB_R3

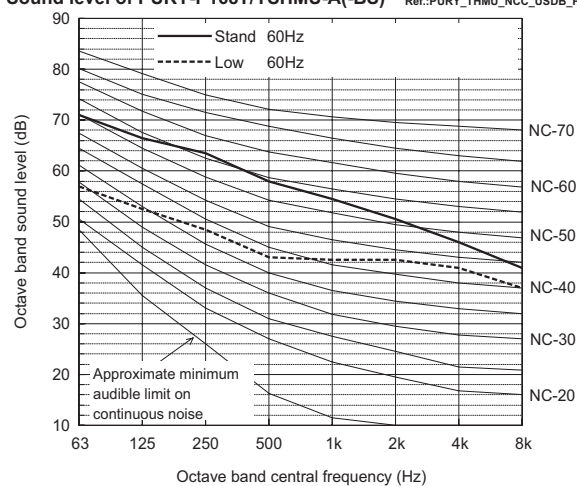
Measurement condition
PURY-P168TSHMU/YSHMU


Ref.:PURY_THMU_NCC_USDB_R4

Sound level of PURY-P144T/YSHMU-A(-BS) Ref.:PURY_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

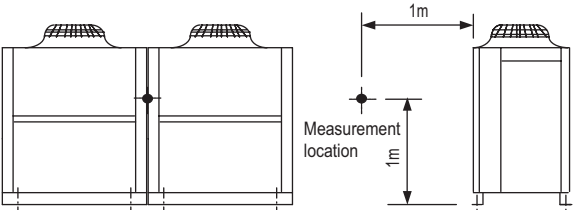
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PURY-P168T/YSHMU-A(-BS) Ref.:PURY_THMU_NCC_USDB_P168


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.0	66.5	63.5	58.0	54.5	50.5	46.0	41.0	61.0
Low noise mode	60Hz	57.0	52.5	48.5	43.0	42.5	42.5	41.0	37.0	49.5

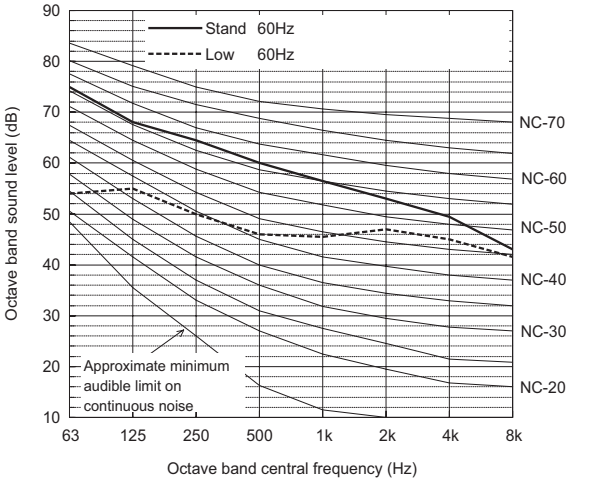
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition
PURY-P192,216,240TSHMU/YSHMU



Ref.:PURY_THMU_NCC_USDB_R5

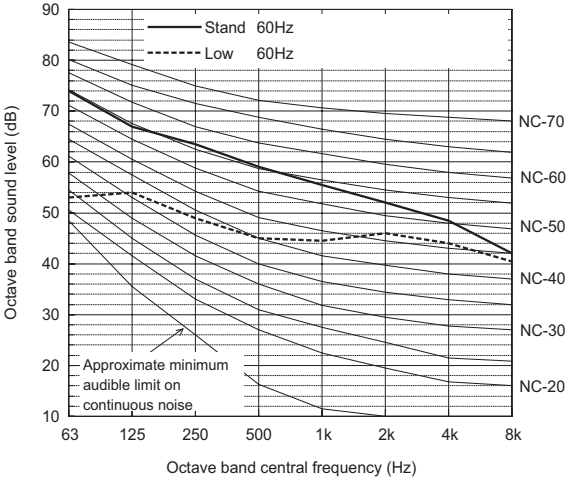
Sound level of PURY-P240T/YSHMU-A(-BS) Ref.:PURY_THMU_NCC_USDB_P240



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

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

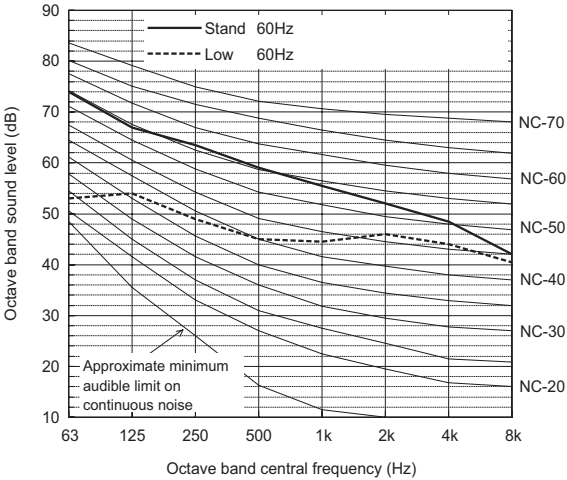
Sound level of PURY-P192T/YSHMU-A(-BS) Ref.:PURY_THMU_NCC_USDB_P192



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	74.0	67.0	63.5	59.0	55.5	52.0	48.5	42.0	62.0
Low noise mode	60Hz	53.0	54.0	49.0	45.0	44.5	46.0	44.0	40.5	52.0

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

Sound level of PURY-P216T/YSHMU-A(-BS) Ref.:PURY_THMU_NCC_USDB_P216



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	74.0	67.0	63.5	59.0	55.5	52.0	48.5	42.0	62.0
Low noise mode	60Hz	53.0	54.0	49.0	45.0	44.5	46.0	44.0	40.5	52.0

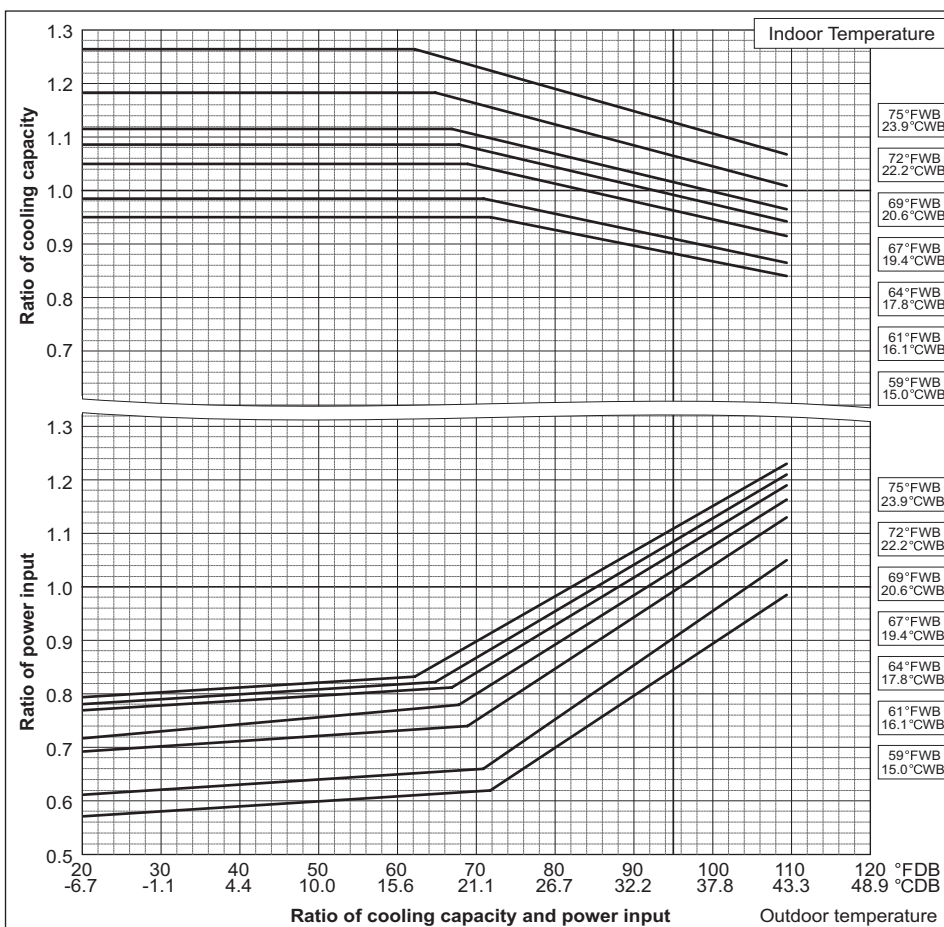
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

7-1. Correction by temperature

CITY MULTI could have various capacities at different designing temperatures. Using the nominal cooling/heating capacity values and the ratios below, the capacity can be found for various temperatures.

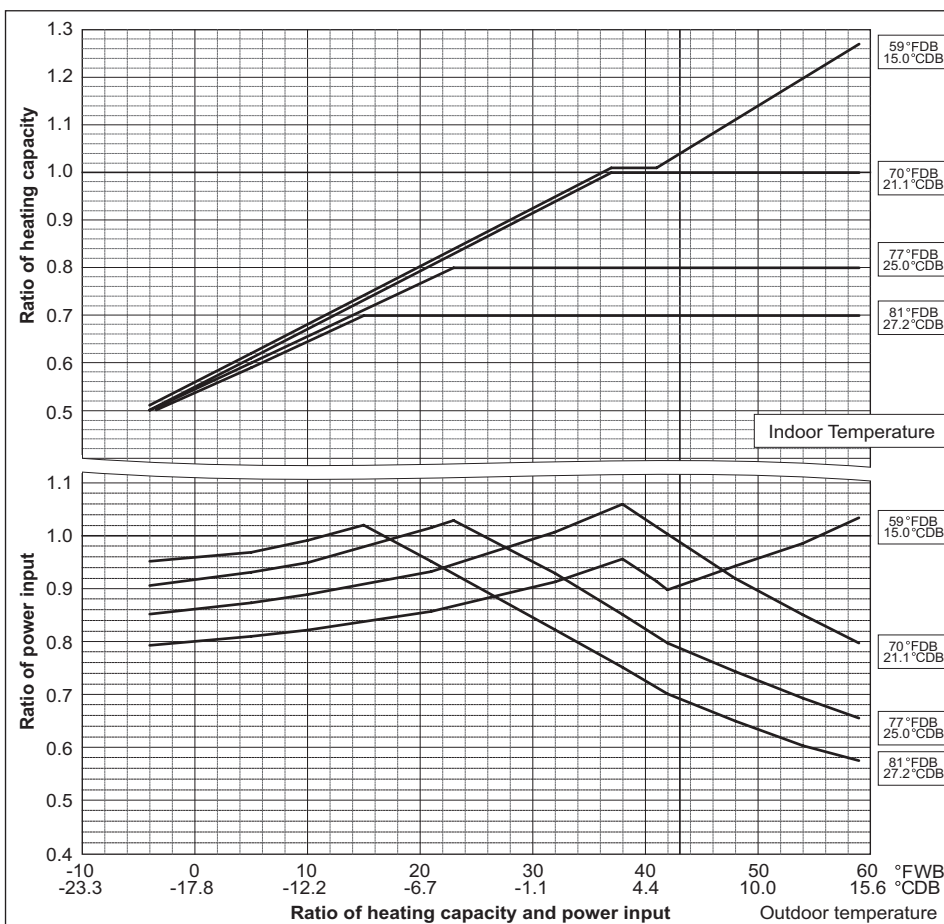
PURY-		P72THMU	P96THMU
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.55	8.35

PURY-		P72YHMU	P96YHMU
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.55	8.35



PURY-		P72THMU	P96THMU
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	6.04	8.66

PURY-		P72YHMU	P96YHMU
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	6.04	8.66



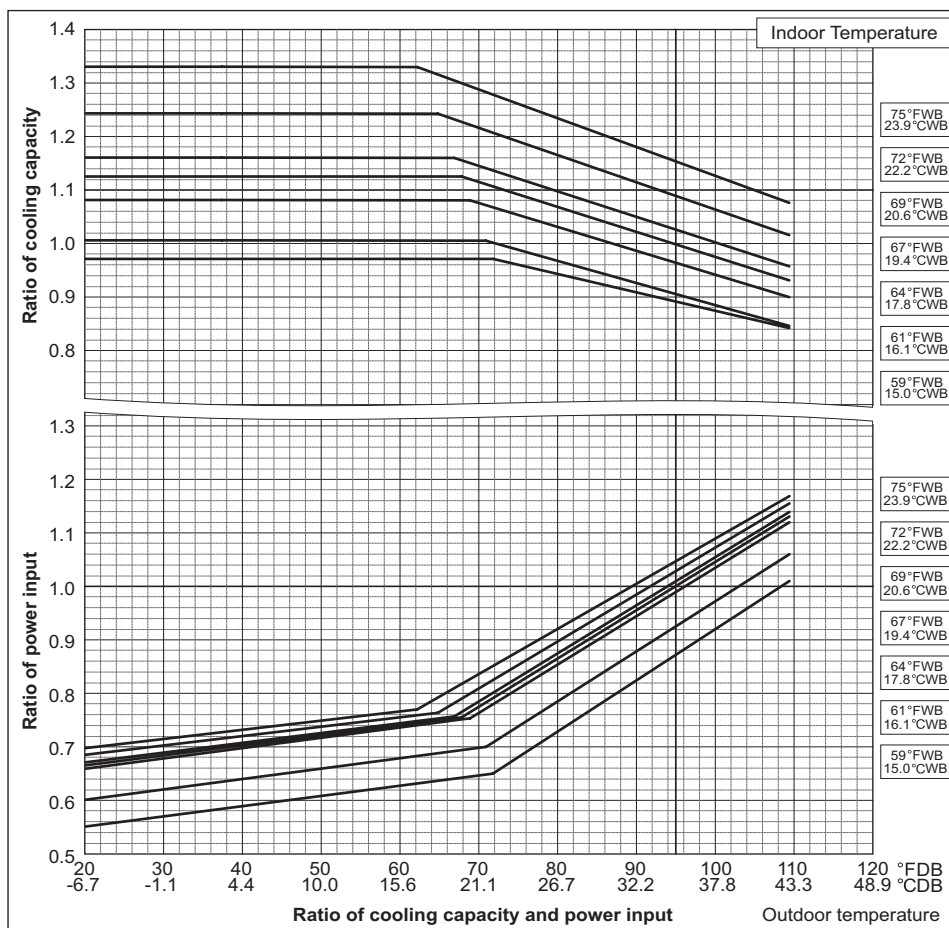
Ref: PURY_THMU_C10_USDB_P72-96

7. CAPACITY TABLES

DATA U5

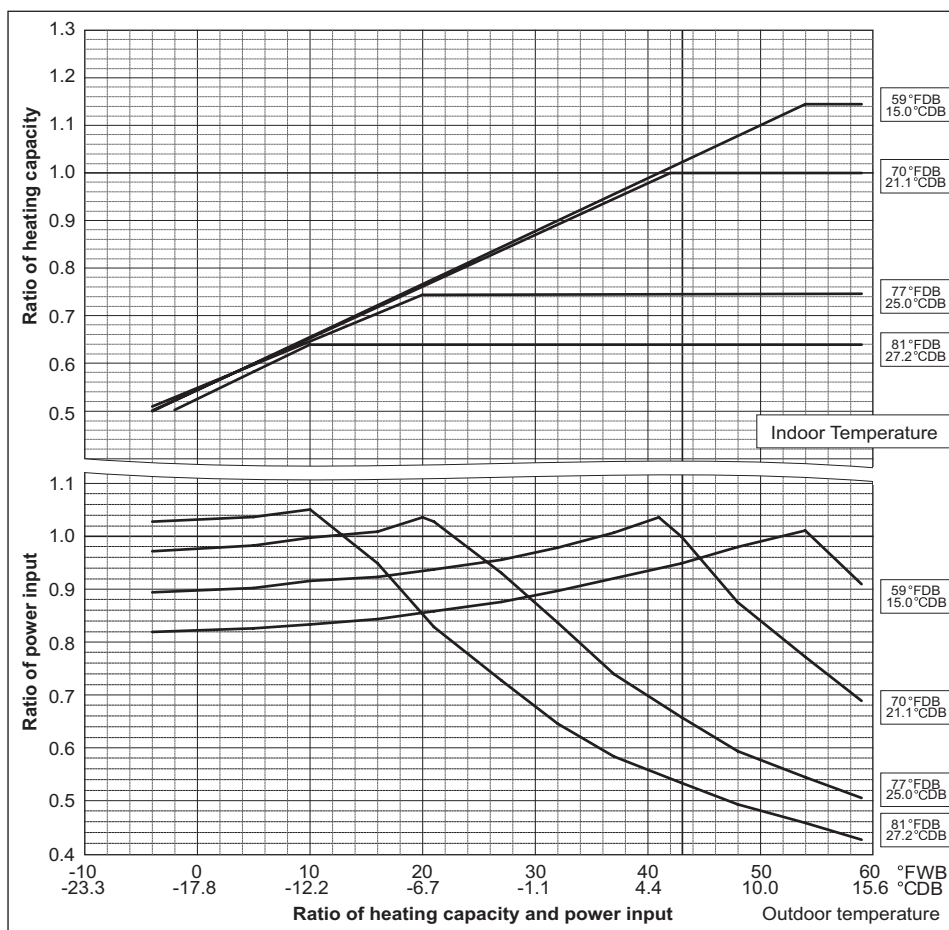
PURY-		P120THMU	
Nominal Cooling Capacity	kW	35.2	
	BTU/h	120,000	
Input	kW	10.59	

PURY-		P120YHMU	
Nominal Cooling Capacity	kW	35.2	
	BTU/h	120,000	
Input	kW	10.59	



PURY-		P120THMU	
Nominal Heating Capacity	kW	35.2	
	BTU/h	120,000	
Input	kW	10.16	

PURY-		P120YHMU	
Nominal Heating Capacity	kW	35.2	
	BTU/h	120,000	
Input	kW	10.16	



Ref:PURY_THMU_C10_USDB_P120

7. CAPACITY TABLES

DATA U5

PURY-		P144TSHMU	P168TSHMU
Nominal Cooling Capacity	kW	42.2	49.2
	BTU/h	144,000	168,000
Input	kW	11.32	14.19

PURY-		P192TSHMU	P216TSHMU
Nominal Cooling Capacity	kW	56.3	63.3
	BTU/h	192,000	216,000
Input	kW	17.04	19.32

PURY-		P240TSHMU	
Nominal Cooling Capacity	kW	70.3	
	BTU/h	240,000	
Input	kW	21.61	

PURY-		P144YSHMU	P168YSHMU
Nominal Cooling Capacity	kW	42.2	49.2
	BTU/h	144,000	168,000
Input	kW	11.32	14.19

PURY-		P192YSHMU	P216YSHMU
Nominal Cooling Capacity	kW	56.3	63.3
	BTU/h	192,000	216,000
Input	kW	17.04	19.32

PURY-		P240YSHMU	
Nominal Cooling Capacity	kW	70.3	
	BTU/h	240,000	
Input	kW	21.61	

PURY-		P144TSHMU	P168TSHMU
Nominal Heating Capacity	kW	46.9	55.1
	BTU/h	160,000	188,000
Input	kW	12.44	15.14

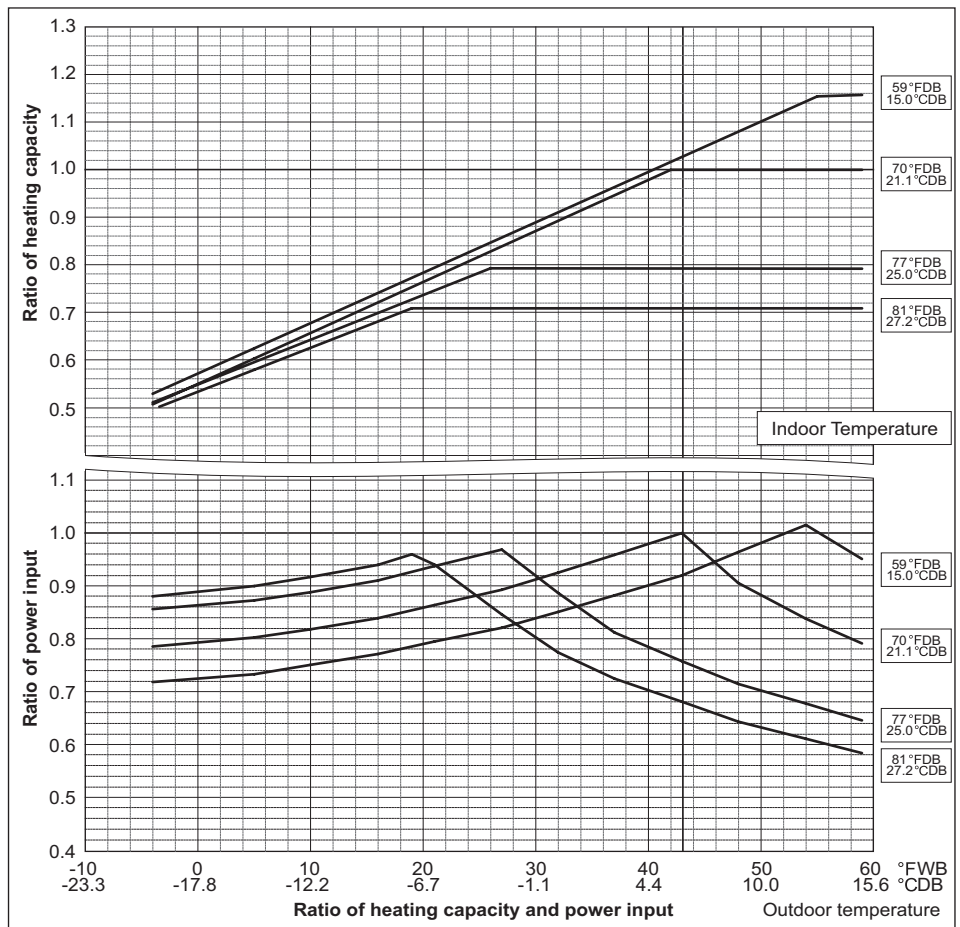
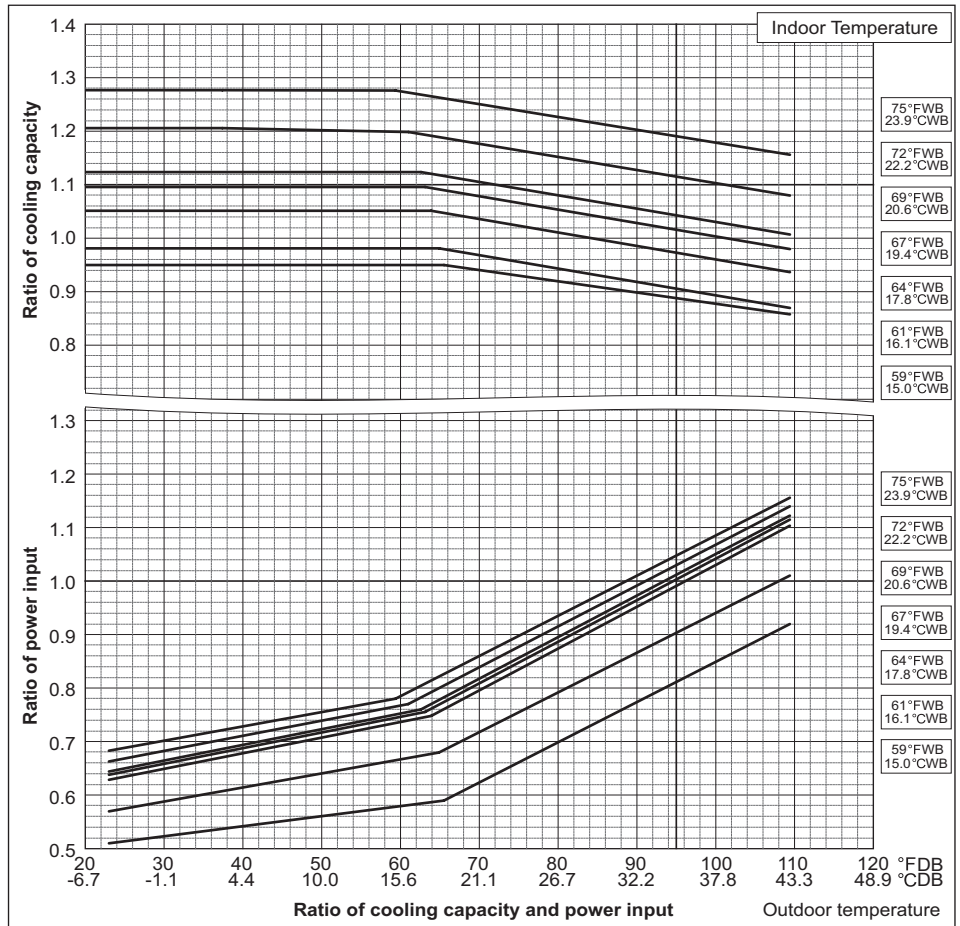
PURY-		P192TSHMU	P216TSHMU
Nominal Heating Capacity	kW	58.6	66.8
	BTU/h	200,000	228,000
Input	kW	15.85	19.38

PURY-		P240TSHMU	
Nominal Heating Capacity	kW	70.3	
	BTU/h	240,000	
Input	kW	20.92	

PURY-		P144YSHMU	P168YSHMU
Nominal Heating Capacity	kW	46.9	55.1
	BTU/h	160,000	188,000
Input	kW	12.44	15.14

PURY-		P192YSHMU	P216YSHMU
Nominal Heating Capacity	kW	58.6	66.8
	BTU/h	200,000	228,000
Input	kW	15.85	19.38

PURY-		P240YSHMU	
Nominal Heating Capacity	kW	70.3	
	BTU/h	240,000	
Input	kW	20.92	

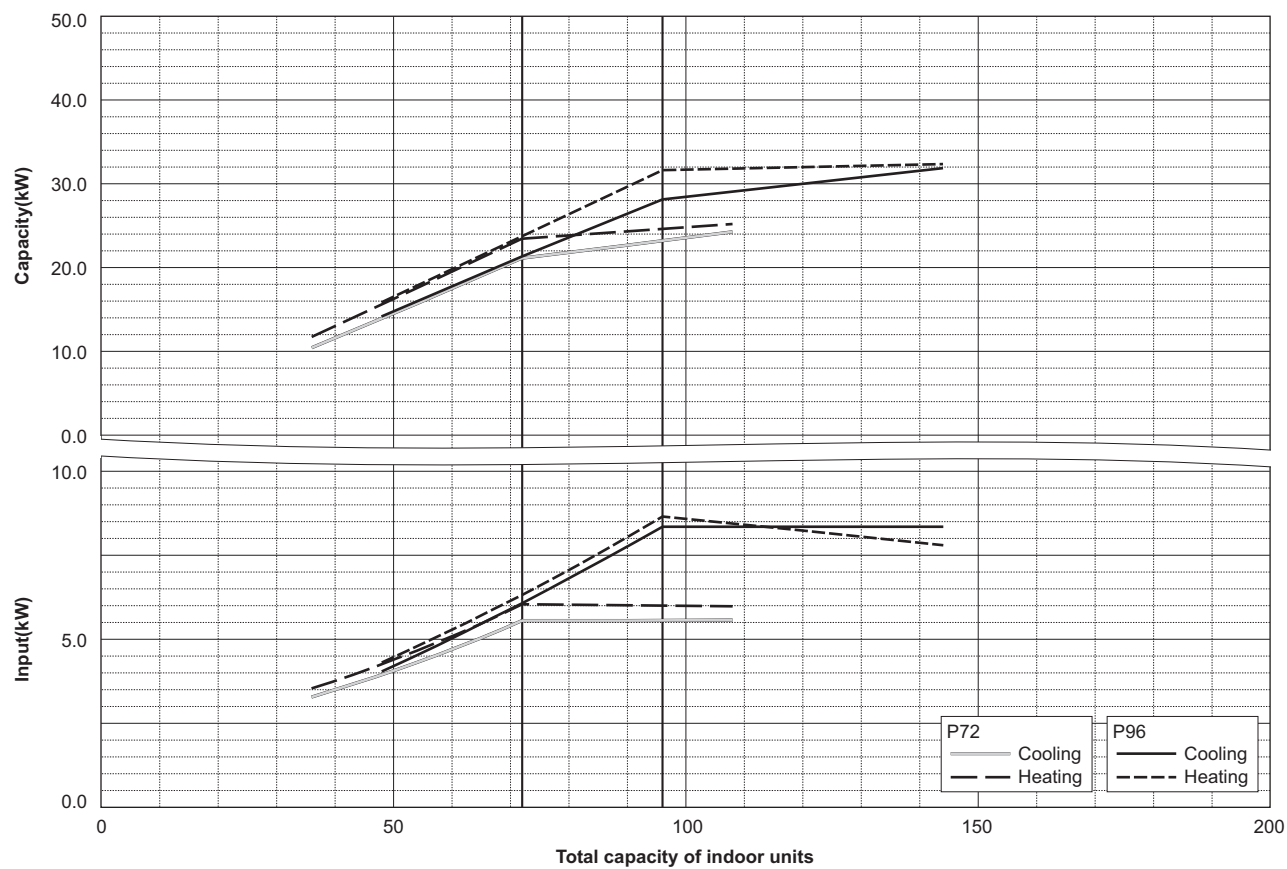


Ref:PURY_THMU_C10_USDB_P144-240

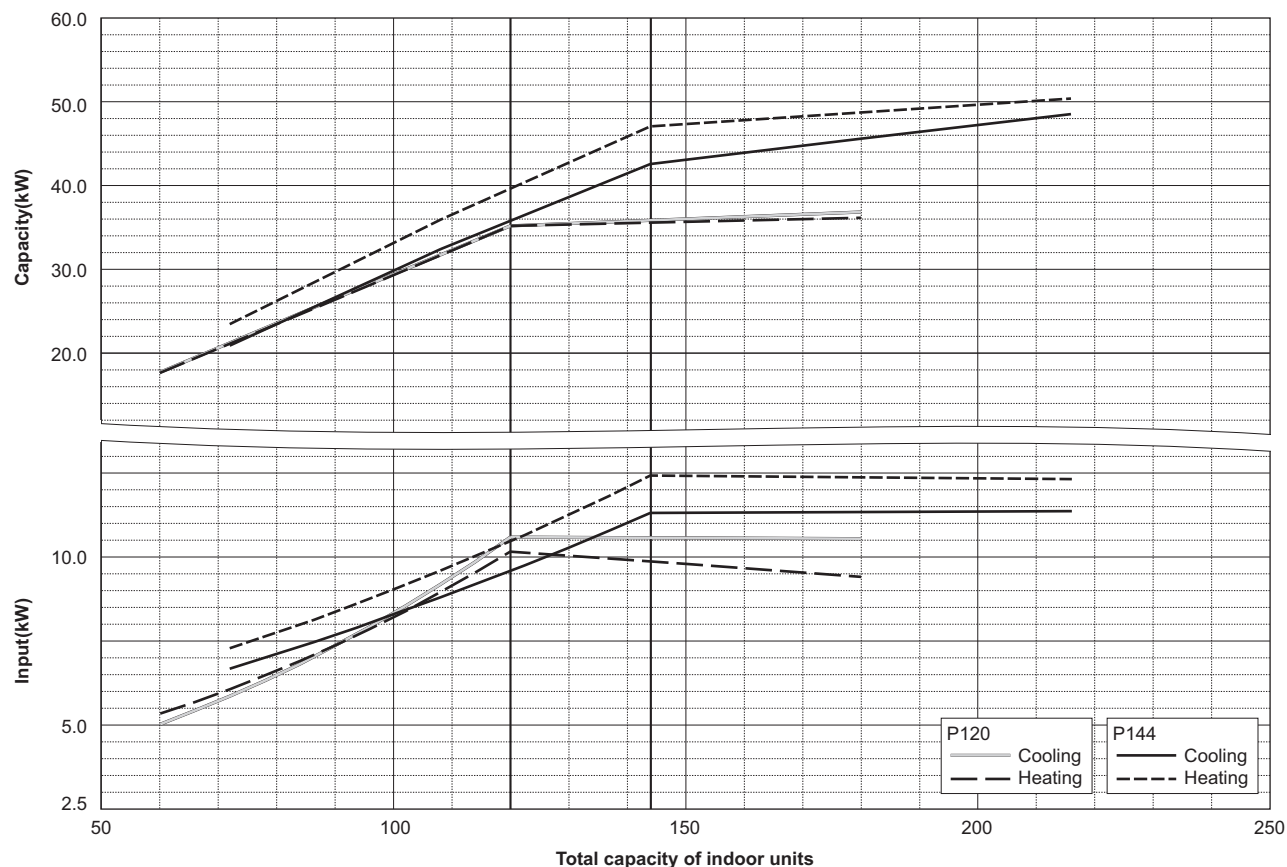
7-2. Correction by total indoor

CITY MULTI system have different capacities and inputs when many 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.

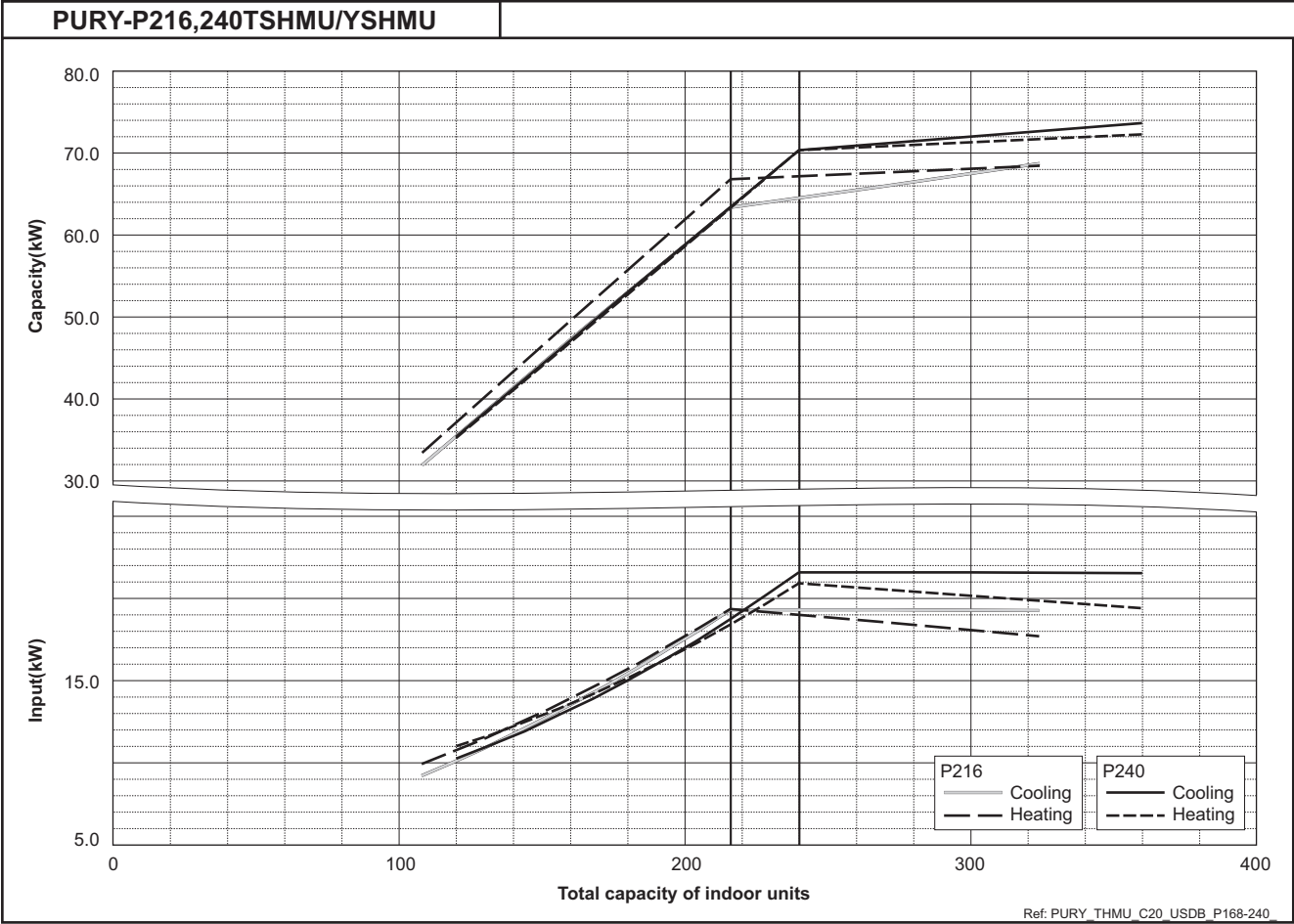
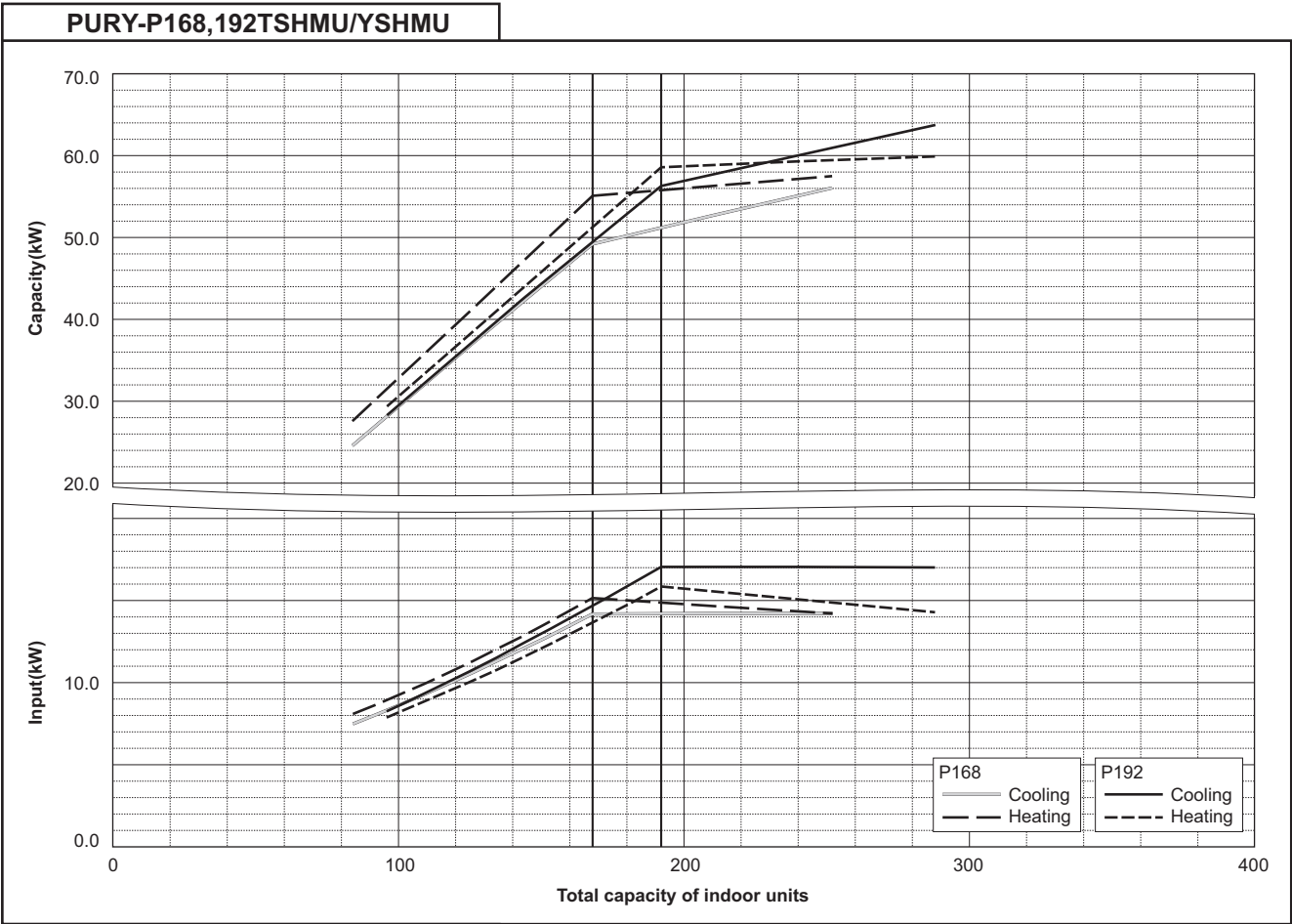
PURY-P72,96THMU/YHMU



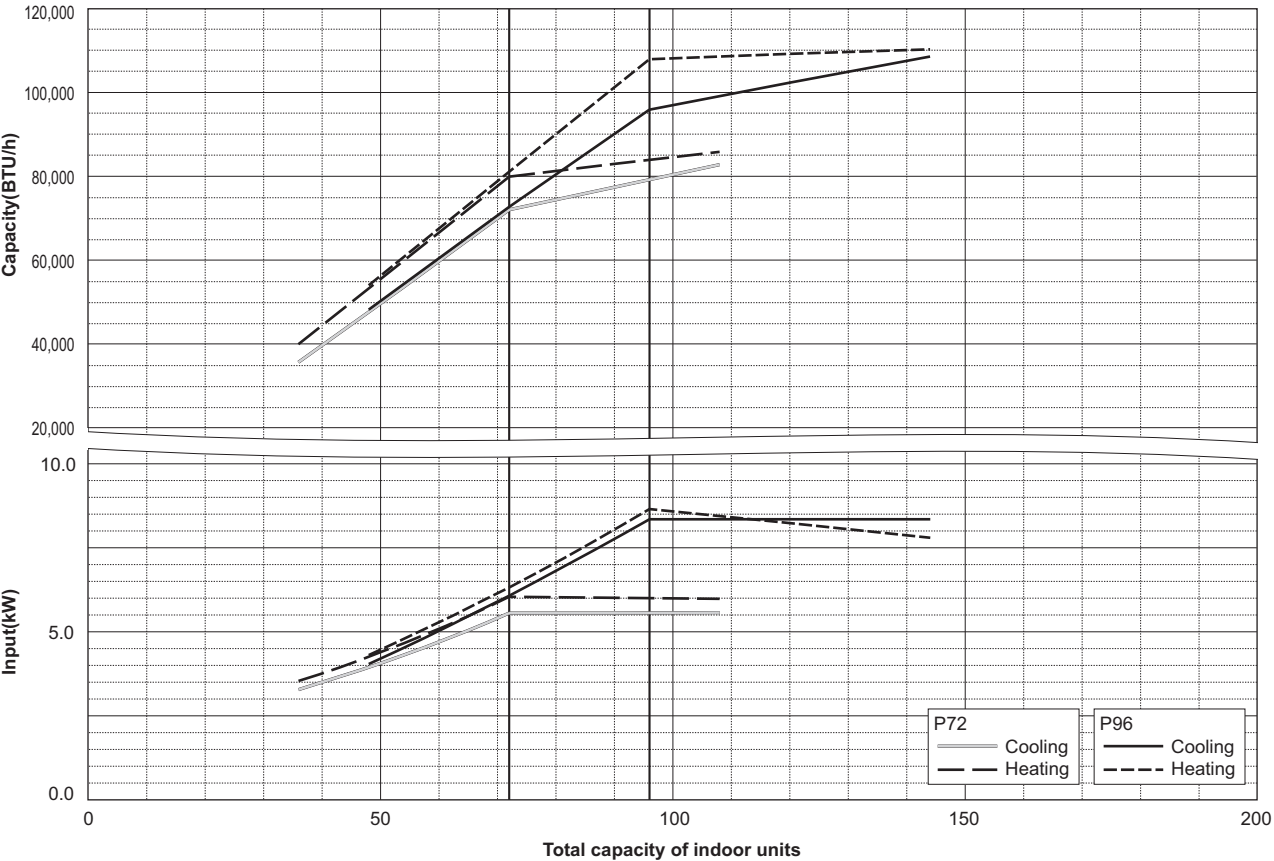
PURY-P120,144T(S)HMU/Y(S)HMU



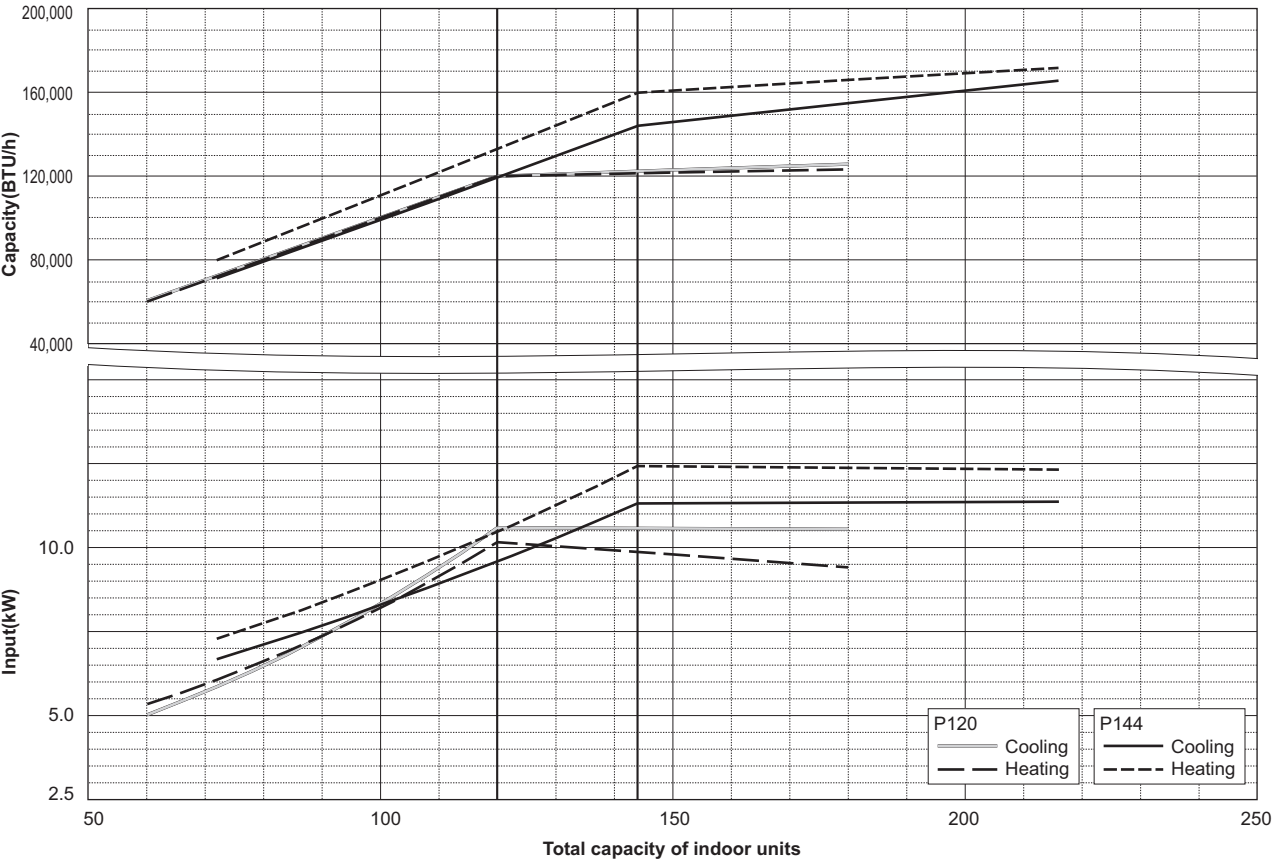
Ref: PURY_THMU_C20_USDB_P72-144



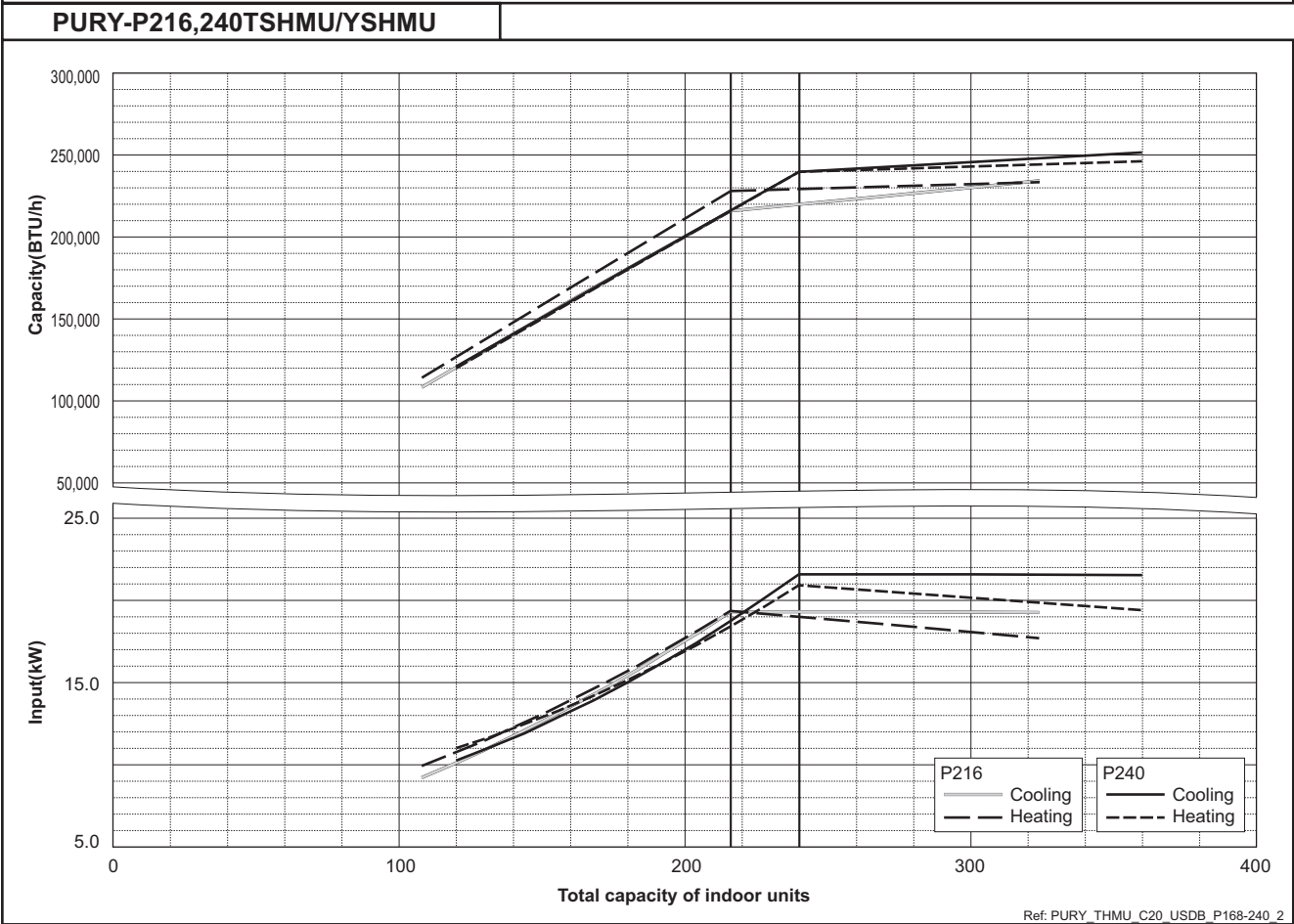
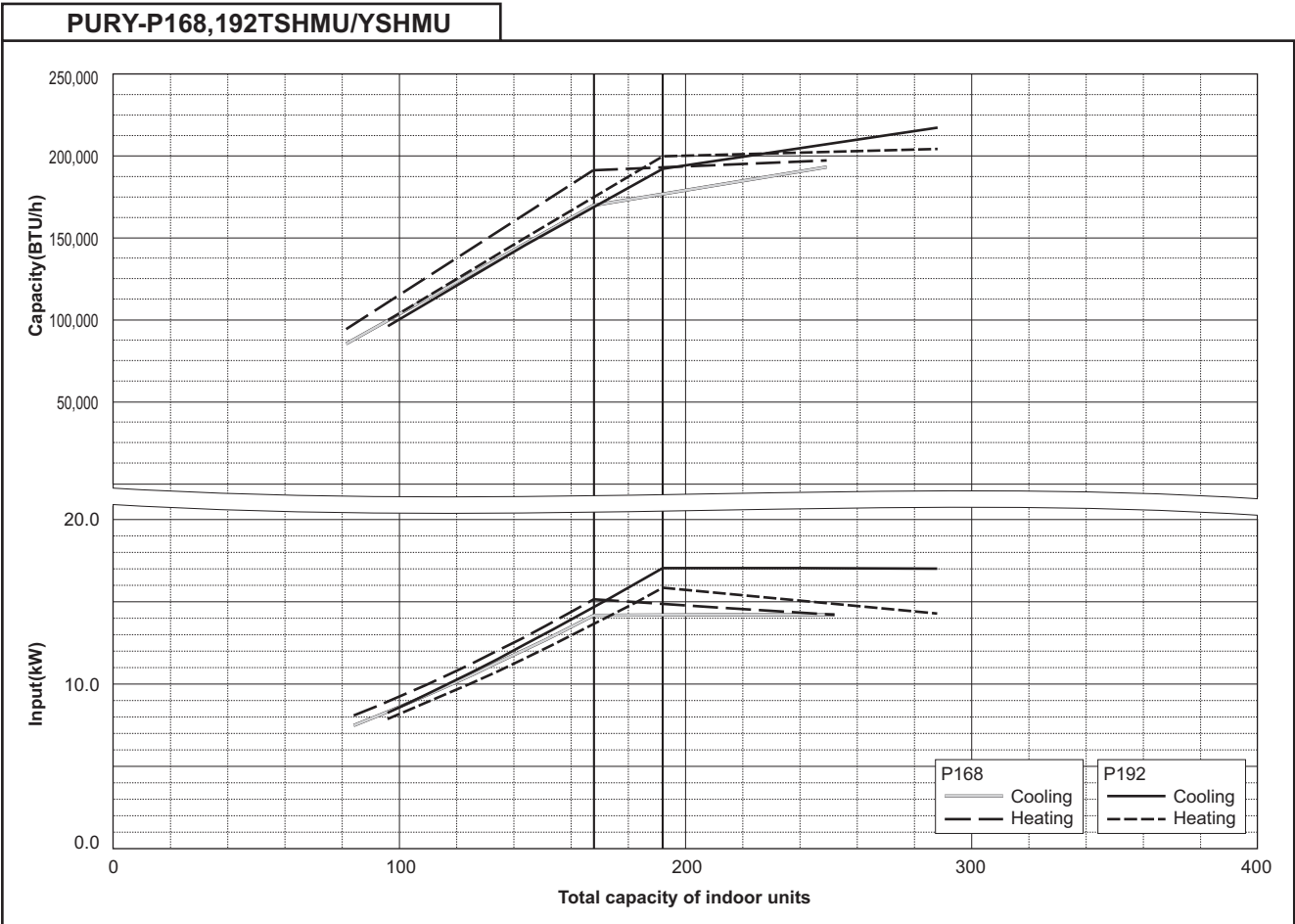
PURY-P72,96THMU/YHMU



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



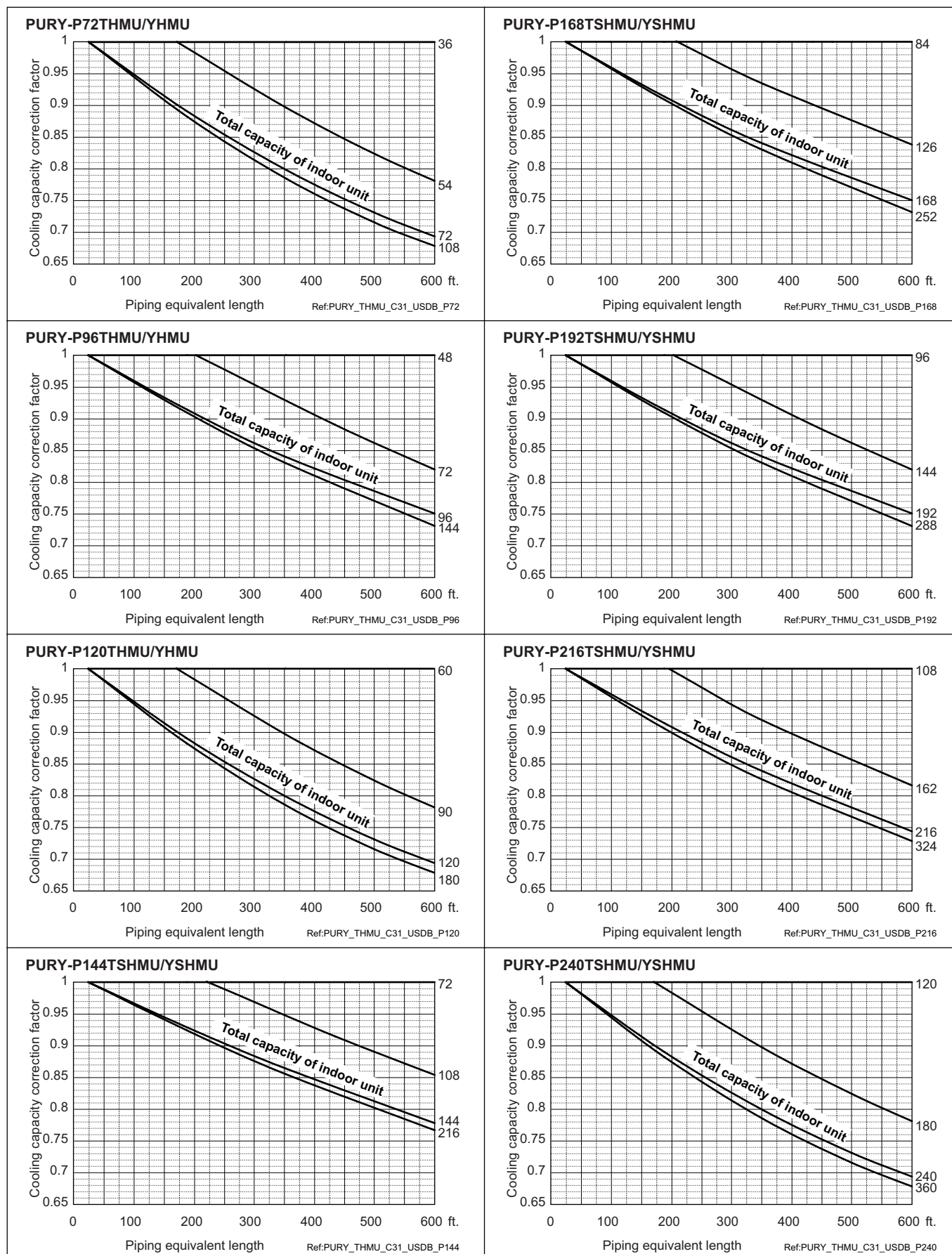
Ref: PURY_THMU_C20_USDB_P72-144_2



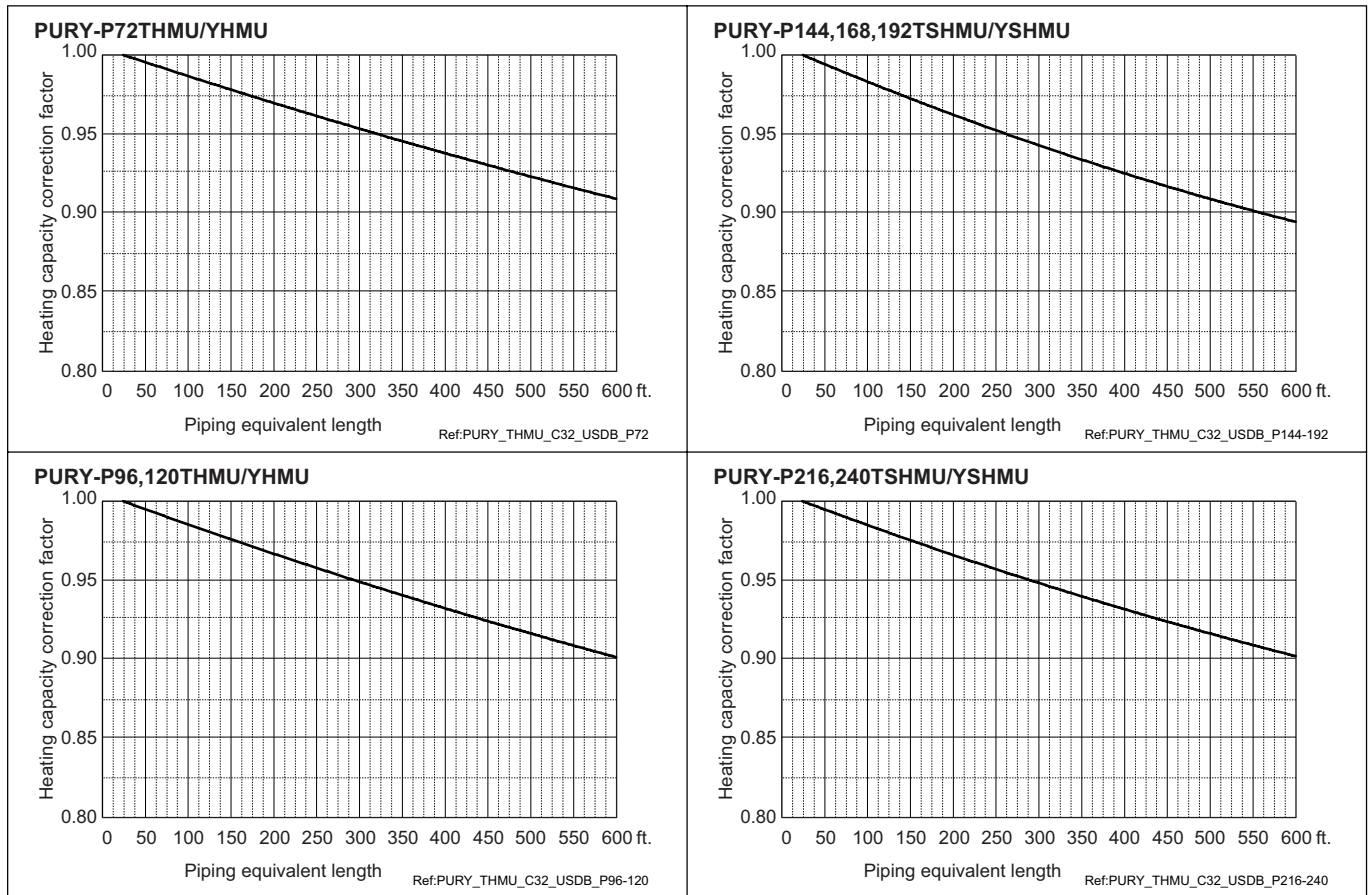
7-3. Correction by refrigerant piping length

CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using 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



7-3-2. Heating capacity correction



R2

7-3-3. How to obtain the equivalent piping length

1. PURY-P72THMU/YHMU

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

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

2. PURY-P96THMU/YHMU

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

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

3. PURY-P120THMU/YHMU

Equivalent length = (Actual piping length to the farthest indoor unit) + (1.54 x number of bent on the piping) [ft.]

Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bent on the piping) [m]

4. PURY-P144TSHMU/YSHMU

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

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

5. PURY-P168TSHMU/YSHMU

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

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

6. PURY-P192TSHMU/YSHMU

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

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

7. PURY-P216TSHMU/YSHMU

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

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

8. PURY-P240TSHMU/YSHMU

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

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

7-4. Correction at frost and defrost

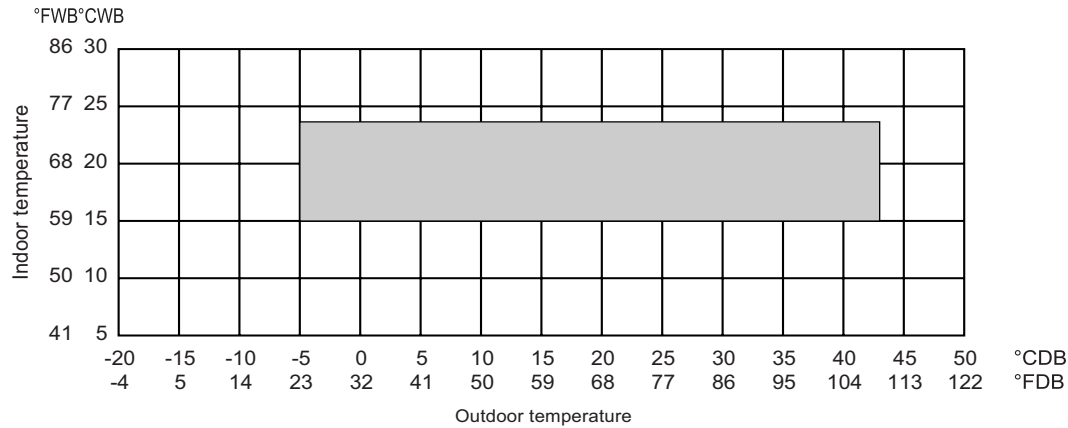
Due to frost at the outdoor heat exchanger and the automatic defrost operation, the heating capacity of the outdoor unit can be calculated by multiplying the correction factor shown in the table below.

Table of correction factor at frost and defrost

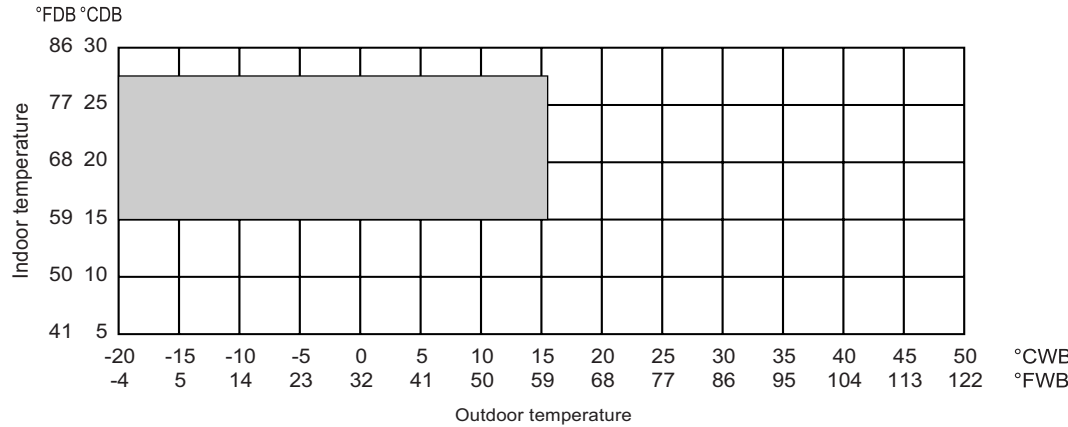
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PURY-P72THMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P96THMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P120THMU -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.92	0.92
PURY-P144TSHMU -A (-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.92	0.92	0.92	0.92
PURY-P168TSHMU -A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.91	0.92	0.92	0.92	0.92
PURY-P192TSHMU -A (-BS)	1.00	0.98	0.89	0.86	0.88	0.90	0.91	0.92	0.92	0.92	0.92
PURY-P216TSHMU -A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.92	0.92	0.92
PURY-P240TSHMU -A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.92	0.92	0.92
PURY-P72YHMu -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P96YHMu -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P120YHMu -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.92	0.92
PURY-P144YSHMu -A (-BS)	1.00	0.95	0.90	0.87	0.88	0.89	0.90	0.92	0.92	0.92	0.92
PURY-P168YSHMu -A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.91	0.92	0.92	0.92	0.92
PURY-P192YSHMu -A (-BS)	1.00	0.98	0.89	0.86	0.88	0.90	0.91	0.92	0.92	0.92	0.92
PURY-P216YSHMu -A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.92	0.92	0.92
PURY-P240YSHMu -A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.92	0.92	0.92

7-5. Operation temperature range

• Cooling



• Heating



• Combination of cooling/heating operation (Cooling main or Heating main)

Outdoor temperature	Indoor temperature	
	Cooling	Heating
23 to 70°FDB (-5 to 21°CDB)	—	59 to 81°FDB (15 to 27°CDB)
21 to 60°FWB (-6 to 15.5°CWB)	59 to 75°FWB (15 to 24°CWB)	—

Ref.: PURY_THMU_C61_USDB_ALL

8-1. JOINT

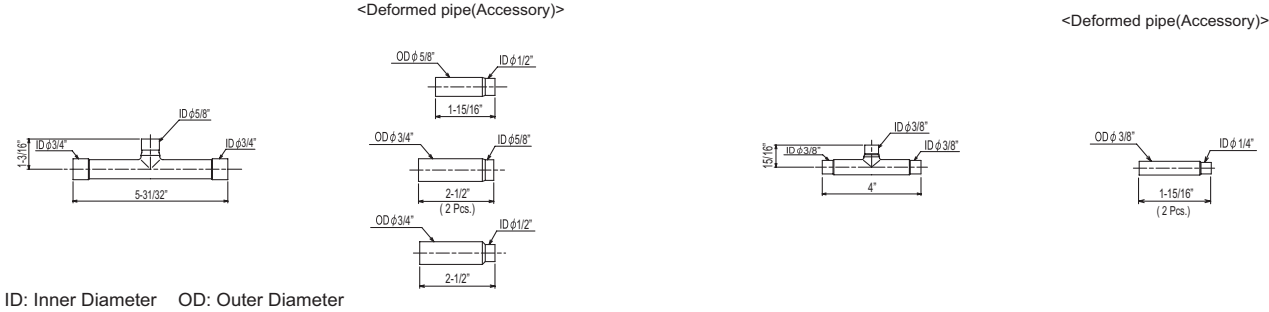
CITY MULTI piping can be installed easily with joints and headers provided by MITSUBISHI ELECTRIC CORP.
For PURY-P-T(S)HMU/Y(S)HMU, three sets of joints are available. Details for installing the joint sets are found in System Design 3, or their own Installation Manual.

CMY-Y102S-G2

Ref.: CMY_Y102S_G2_EXD_EUDB_SI
in.

For Gas pipe:

For Liquid pipe:

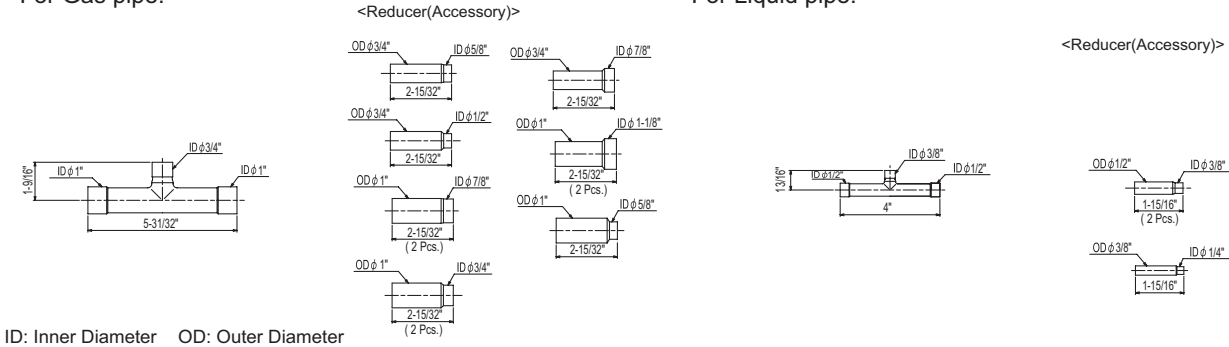


CMY-Y102L-G2

Ref.: CMY_Y102L_G2_EXD_EUDB_SI
in.

For Gas pipe:

For Liquid pipe:

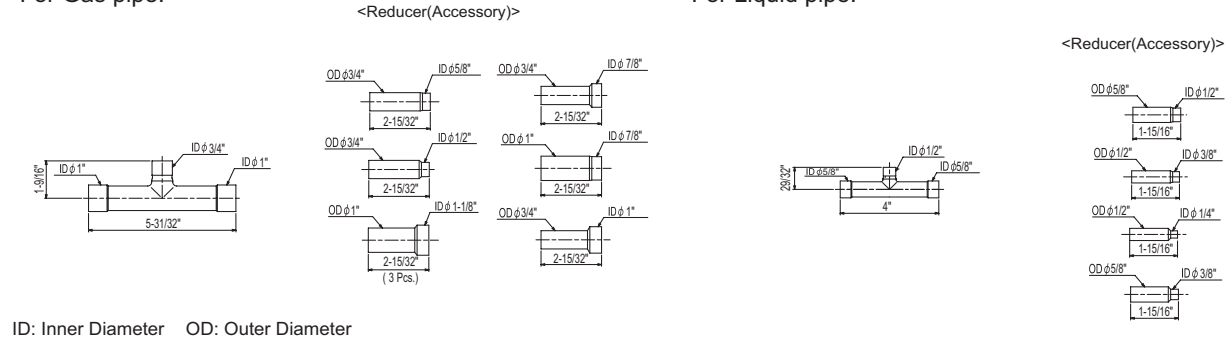


CMY-Y202-G2

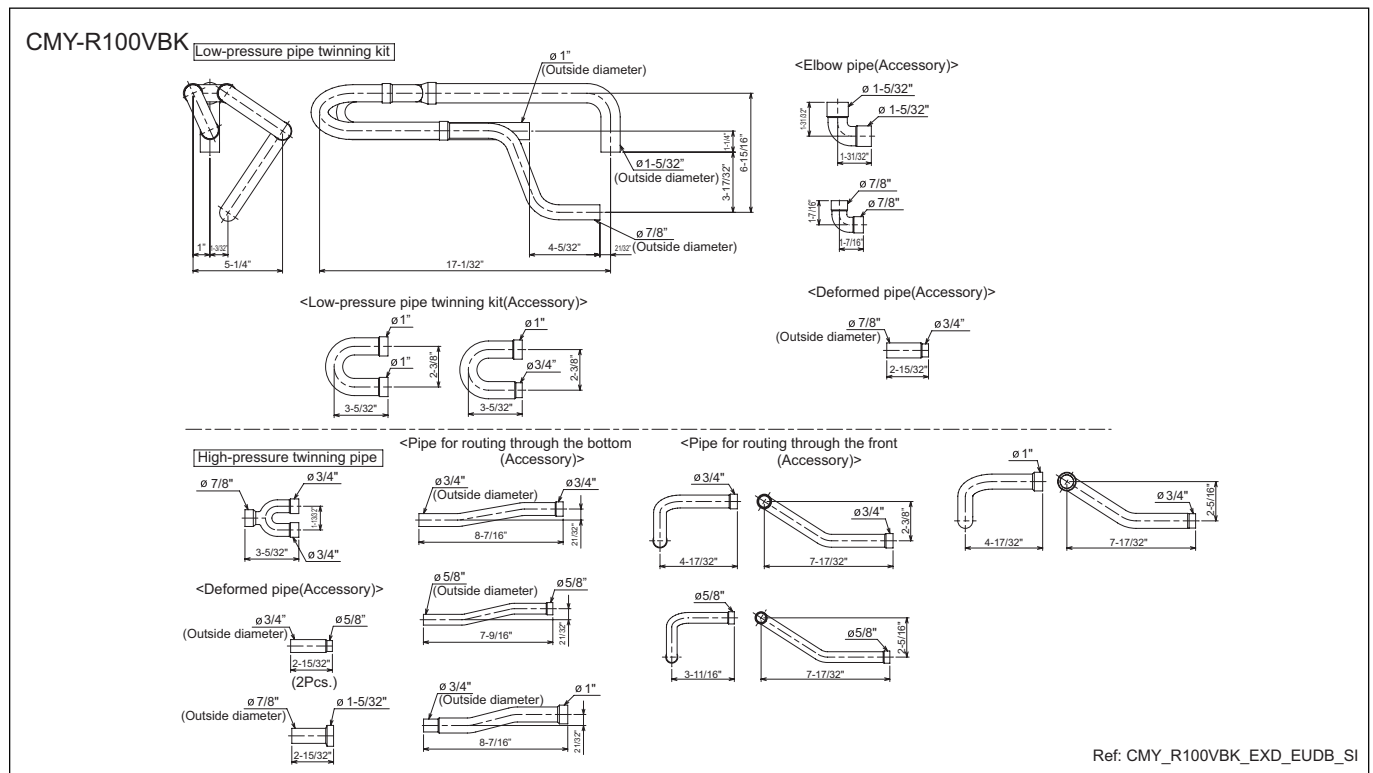
Ref.: CMY_Y202_G2_EXD_EUDB_SI
in.

For Gas pipe:

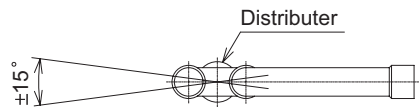
For Liquid pipe:



The Outdoor Twinning Kit is needed for PURY-P-TSHMU/YSHMU to combine to refrigerant flows of the PURY-P-THMU/YHMU units.



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



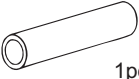
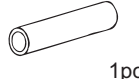
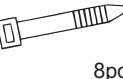
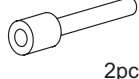
The angle of the branch pipe for high pressure is within $\pm 15^\circ$ against the horizontal plane.

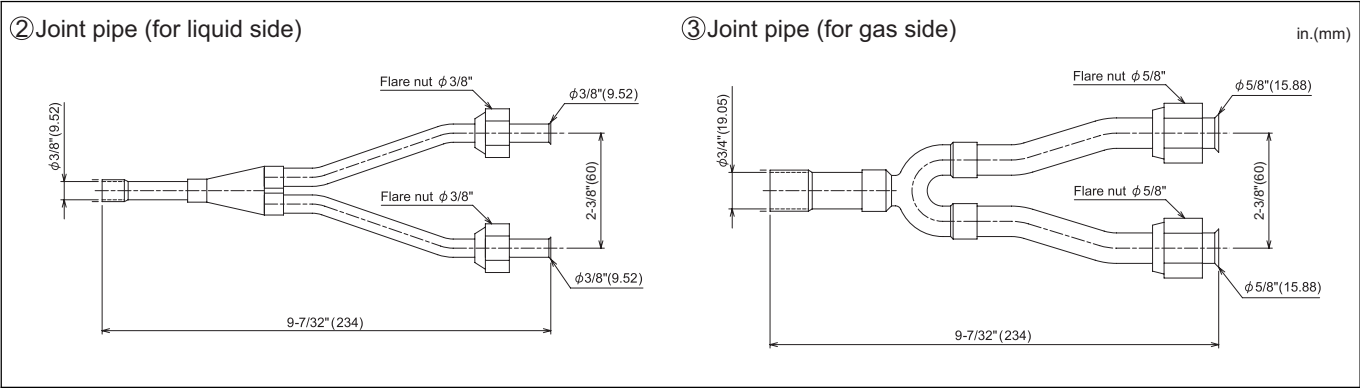
2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts) .

8-3. JOINT KIT CMY-R160-J FOR BC CONTROLLER

Joint kit "CMY-R160-J" is used to combine two ports of the BC controller for a PURY-P-T(S)HMU/Y(S)HMU system to enable Indoor capacity above P54 as shown in Fig. 1.

The Joint kit include following items:

①Instructions	②Joint pipe (for liquid side)	③Joint pipe (for gas side)	④Cover 1	⑤Cover 2 (for gas side)	⑥Cover 3 (for liquid side)	⑦Band	⑧Reducer
 1pc	 1pc	 1pc	 2pcs	 1pc	 1pc	 8pcs	 2pcs

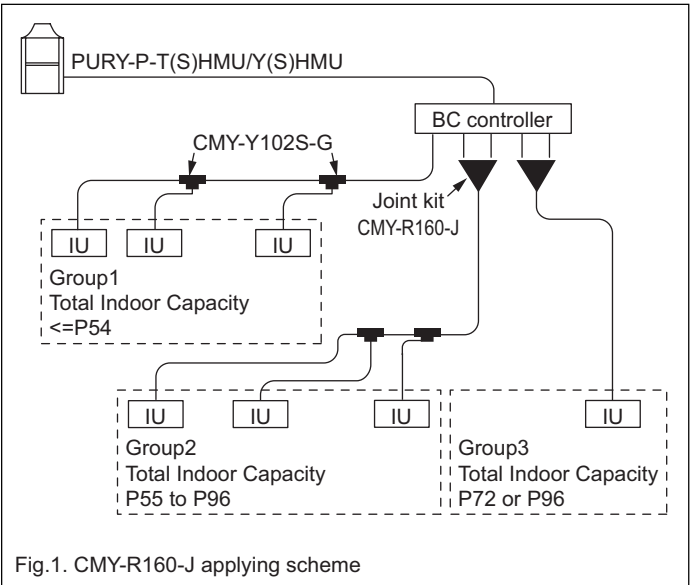


1. Designing CMY-R160-J to a PURY-P-T(S)HMU/Y(S)HMU system

The maximum of Indoor capacity for one port of BC controller is P54. When the Indoor capacity is above P54, Joint kit CMY-R160-J is needed to combine two ports of BC controller to enlarge the capacity, like Groups 2 and 3 in Fig. 1. A maximum of three Indoor units are allowed to connect to one port of BC controller or two combined ports of BC controller using CMY-R160-J.

When connecting Indoor units to one port of BC controller or two combined ports of BC controller using CMY-R160-J, CMY-Y102S-G2 or CMY-Y104-G is applicable, like Groups 1 and 2 in Fig. 1

Caution: Simultaneous operation of cooling and heating modes for Indoor units connecting to the same BC ports is not available.



2. Piping at the installation site

Refer to Fig. 2 for connecting the CMY-R160-J to the BC controller and the pipe leading to the Indoor units. Non-oxidized brazing is necessary. Avoid getting foreign material inside the piping. After piping and air-tight testing, insulate the joint and pipe. Details are available in the Installation Manual.

