

OUTDOOR UNITS

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1. SPECIFICATIONS

DATA U6-2

Model			PURY-P72TJMU-A(-BS)	PURY-P96TJMU-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
		*1 kW	21.1	28.1
	(208-230)	Power input kW	5.66	7.80
		Current input A	17.4-15.7	24.0-21.7
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	59~75°F(15~24°C)
	Outdoor	D.B.	23~115°F(-5~46°C)	23~115°F(-5~46°C)
Heating capacity (Nominal)		*2 BTU / h	80,000	108,000
		*2 kW	23.4	31.7
	(208-230)	Power input kW	6.16	8.66
		Current input A	18.9-17.1	26.7-24.1
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	59~81°F(15~27°C)
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	-4~60°F(-20~15.5°C)
Minimum Circuit Ampacity			A	27-25
Maximum Overcurrent Protection			A	42-39
Indoor unit	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~18	
Sound pressure level (measured in anechoic room)			dB <A>	58.0
Diameter of refrigerant pipe	High pressure		in. (mm)	5/8"(15.88) Brazed
	Low pressure		in. (mm)	3/4"(19.05) Brazed
FAN	Type x Quantity		Propeller fan x 1	
	Air flow rate	cfm	6,180	
		m ³ / min	175	
		L/s	2,920	
	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	5.1
	Case heater		kW	0.035(230V)
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type)	Pre-coated galvanized steel sheet (+powder coating for -BS type)
External dimension H x W x D			in.	64-31/32" x 36-1/4" x 29-15/16"
			mm	1,650 x 920 x760
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Refrigerant	Type x original charge		R410A x 23lbs + 2 oz (10.5kg)	
	Control		Indoor LEV and BC controller	
Net weight			lbs (kg)	519(235)
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94T925	
	Wiring		WKE94C373	
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, 1016NU-HA Sub BC controller: CMB-P104,108NU-GB,CMB-P1016NU-HB	Outdoor Connection pipe: CMY-RS200UEB 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, 1016NU-HA 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.	

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

1. SPECIFICATIONS

Model			PURY-P120TJMU-A(-BS)	PURY-P144TJMU-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	120,000	144,000	
	*1	kW	35.2	42.2	
	(208-230)	Power input	kW	9.99	12.43
		Current input	A	30.8-27.8	38.3-34.6
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	23~115°F(-5~46°C)	
Heating capacity (Nominal)	*2	BTU / h	135,000	160,000	
	*2	kW	39.6	46.9	
	(208-230)	Power input	kW	11.02	13.20
		Current input	A	33.9-30.7	40.7-36.8
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	-4~60°F(-20~15.5°C)	
Minimum Circuit Ampacity		A	49-46	59-54	
Maximum Overcurrent Protection		A	77-71	93-86	
Indoor unit	Total capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~30	P06~P96/1~36	
Sound pressure level (measured in anechoic room)			dB <A>	60.0	61.0
Diameter of refrigerant pipe	High pressure		in. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed
	Low pressure		in. (mm)	1-1/8"(28.58) Brazed	1-1/8"(28.58) Brazed
FAN	Type x Quantity		Propeller fan x 2		
	Air flow rate	cfm	10,600	12,010	
		m ³ / min	300	340	
		L/s	5,000	5,670	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92+0.92	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		
	Manufacture		AC&R Works,MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter		
	Motor output	kW	8.1	9.5	
	Case heater	kW	0.045(230V)	0.045(230V)	
	Lubricant		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 68-29/32" x 29-15/16"	64-31/32" x 68-29/32" x 29-15/16"	
			mm 1,650 x 1,750 x760	1,650 x 1,750 x760	
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller		
Net weight		lbs (kg)	695(315)	695(315)	
Heat exchanger			Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			-		
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94T927		
	Wiring		WKE94C375		
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Connection pipe: CMY-RS300UEB 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, 1016NU-HA Sub BC controller: CMB-P104,108NU-GB,CMB-P1016NU-HB	Outdoor Connection pipe: CMY-RS400UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA, 1016NU-HA 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.		

Notes :	Unit converter
1.Nominal cooling conditions Indoor:80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.) Outdoor:95°F D.B. (35°C D.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	BTU/h =kW x 3,412
2.Nominal heating conditions Indoor:70°F D.B. (21.1°C D.B.) Outdoor:47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	cfm =m ³ /min x 35.31
3.External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P168TJMU-A(-BS)	
Power source			3-phase 3-wire 208-230V ±10% 60Hz	
Cooling capacity (Nominal) (208-230)	*1	BTU / h	168,000	
	*1	kW	49.2	
	Power input		kW	
	Current input		A	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	
Heating capacity (Nominal) (208-230)	*2	BTU / h	188,000	
	*2	kW	55.1	
	Power input		kW	
	Current input		A	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~42	
Sound pressure level (measured in anechoic room)			dB <A>	
			61.0	
Diameter of refrigerant pipe	High pressure	in.(mm)	7/8"(22.2) Brazed	
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed	

Set Model

Model			PURY-P72TJMU-A(-BS)		PURY-P96TJMU-A(-BS)	
Minimum Circuit Ampacity			A		27-25	
Maximum Overcurrent Protection			A		42-39	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	cfm	6,180		6,180	
		m ³ / min	175		175	
		L/s	2,920		2,920	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW		0.92	
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		5.1	
	Case heater		kW		0.035(230V)	
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. mm		64-31/32" x 36-1/4" x 29-15/16" 1,650 x 920 x760	
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 23lbs + 2 oz (10.5kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		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		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		WKB94T928			
	Wiring		WKE94C373		WKE94C374	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100VBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)
Outdoor:95°F D.B. (35°C D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - Nominal heating conditions
Indoor:70°F D.B. (21.1°C D.B.)
Outdoor:47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - 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.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P192TSJMU-A(-BS)	
Power source			3-phase 3-wire 208-230V ±10% 60Hz	
Cooling capacity (Nominal) (208-230)	*1	BTU / h	192,000	
	*1	kW	56.3	
		Power input	kW	16.07
		Current input	A	49.5-44.8
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	
Heating capacity (Nominal) (208-230)	*2	BTU / h	215,000	
	*2	kW	63.0	
		Power input	kW	17.84
		Current input	A	55.0-49.7
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~48	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Diameter of refrigerant pipe	High pressure		7/8"(22.2) Brazed	
	Low pressure		1-1/8"(28.58) Brazed	

Set Model			PURY-P96TJMU-A(-BS)		PURY-P96TJMU-A(-BS)		
Minimum Circuit Ampacity			A	35-32	35-32		
Maximum Overcurrent Protection			A	57-52	57-52		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	cfm	6,180		6,180		
		m ³ / min	175		175		
		L/s	2,920		2,920		
	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	0.045(230V)		0.045(230V)		
	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 x760		1,650 x 1,220 x760	
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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 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				
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		WKB94T929				
	Wiring		WKE94C374		WKE94C374		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100VBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.				

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

1. SPECIFICATIONS

Model			PURY-P216TSJMU-A(-BS)		
Power source			3-phase 3-wire 208-230V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	216,000		
		kW	63.3		
	(208-230)	Power input	kW	18.32	
		Current input	A	56.5-51.0	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	243,000		
		kW	71.2		
	(208-230)	Power input	kW	20.27	
		Current input	A	62.5-56.5	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)		dB <A>	62.5		
Diameter of refrigerant pipe	High pressure		1-1/8"(28.58) Brazed		
	Low pressure		1-1/8"(28.58) Brazed		

Set Model

Model			PURY-P96TJMU-A(-BS)		PURY-P120TJMU-A(-BS)		
Minimum Circuit Ampacity			A	35-32	49-46		
Maximum Overcurrent Protection			A	57-52	77-71		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		
	Air flow rate	cfm	6,180		10,600		
		m ³ / min	175		300		
		L/s	2,920		5,000		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output		kW	0.92		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	0.045(230V)		0.045(230V)	
	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 68-29/32" x 29-15/16"	
			mm	1,650 x 1,220 x 760		1,650 x 1,750 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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller				
Net weight			lbs (kg)	585(265)		695(315)	
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		WKB94T930				
	Wiring		WKE94C374		WKE94C375		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.				

Notes :

- Nominal cooling conditions
Indoor:80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)
Outdoor:95°F D.B. (35°C D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - Nominal heating conditions
Indoor:70°F D.B. (21.1°C D.B.)
Outdoor:47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - 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.

Unit converter	
BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536
*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Model			PURY-P240TSJMU-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	kW	20.58
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	
Heating capacity (Nominal)	*2	BTU / h	270,000	
	*2	kW	79.1	
	(208-230)	Power input	kW	22.70
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/2~50(Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)			dB <A>	63.0
Diameter of refrigerant pipe	High pressure		1-1/8"(28.58) Brazed	
	Low pressure		1-3/8"(34.93) Brazed	

Set Model

Model			PURY-P120TJMU-A(-BS)		PURY-P120TJMU-A(-BS)	
Minimum Circuit Ampacity			A		49-46	
Maximum Overcurrent Protection			A		77-71	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	cfm	10,600		10,600	
		m ³ / min	300		300	
		L/s	5,000		5,000	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92+0.92		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	0.045(230V)		0.045(230V)	
	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 68-29/32" x 29-15/16"		in. 64-31/32" x 68-29/32" x 29-15/16"	
			mm 1,650 x 1,750 x760		mm 1,650 x 1,750 x760	
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		695(315)	
Heat exchanger			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	
	Low pressure		in.(mm)		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94T931			
	Wiring		WKE94C375		WKE94C375	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS300UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- 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.

Unit converter	
BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536
*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Model			PURY-P264TSJMU-A(-BS)		
Power source			3-phase 3-wire 208-230V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	264,000		
		kW	77.4		
	(208-230)	Power input	kW	23.09	
		Current input	A	71.2-64.4	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	295,000		
		kW	86.5		
	(208-230)	Power input	kW	24.95	
		Current input	A	76.9-69.5	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity	50~150% of outdoor unit capacity			
	Model / Quantity	P06~P96/2~50 (Connectable branch pipe number is max. 48.)			
Sound pressure level (measured in anechoic room)		dB <A>	63.5		
Diameter of refrigerant pipe	High pressure	in.(mm)	1-1/8"(28.58) Brazed		
	Low pressure	in.(mm)	1-3/8"(34.93) Brazed		

Set Model

Model			PURY-P120TJMU-A(-BS)		PURY-P144TJMU-A(-BS)	
Minimum Circuit Ampacity			A	49-46	59-54	
Maximum Overcurrent Protection			A	77-71	93-86	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	cfm	10,600	12,010		
		m ³ / min	300	340		
		L/s	5,000	5,670		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92+0.92	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	9.5		
	Case heater	kW	0.045(230V)	0.045(230V)		
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 68-29/32" x 29-15/16"	64-31/32" x 68-29/32" x 29-15/16"	
			mm	1,650 x 1,750 x760	1,650 x 1,750 x760	
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)	695(315)	695(315)	
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		7/8"(22.2) 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		WKB94T931			
	Wiring		WKE94C375		WKE94C375	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS300UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- 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.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P288TSJMU-A(-BS)		
Power source			3-phase 3-wire 208-230V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	288,000		
	*1	kW	84.4		
	(208-230)	Power input	kW	25.61	
		Current input	A	78.9-71.4	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	320,000		
	*2	kW	93.8		
	(208-230)	Power input	kW	27.19	
		Current input	A	83.8-75.8	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)		dB <A>	64.0		
Diameter of refrigerant pipe	High pressure	in.(mm)	1-1/8"(28.58) Brazed		
	Low pressure	in.(mm)	1-3/8"(34.93) Brazed		

Set Model

Model			PURY-P144TJMU-A(-BS)		PURY-P144TJMU-A(-BS)	
Minimum Circuit Ampacity			A	59-54	59-54	
Maximum Overcurrent Protection			A	93-86	93-86	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	cfm	12,010	12,010		
		m ³ / min	340	340		
		L/s	5,670	5,670		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92+0.92	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	9.5	9.5		
	Case heater	kW	0.045(230V)	0.045(230V)		
	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 68-29/32" x 29-15/16"		
			mm	1,650 x 1,750 x760		
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)	695(315)	695(315)	
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)	7/8"(22.2) Brazed		7/8"(22.2) 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		WKB94T931			
	Wiring		WKE94C375		WKE94C375	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS400UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- 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.

Unit converter

BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U6-2

Model			PURY-P72YJMU-A(-BS)	PURY-P96YJMU-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	5.66	7.80
		Current input	7.8	10.8
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	59~75°F(15~24°C)
	Outdoor	D.B.	23~115°F(-5~46°C)	23~115°F(-5~46°C)
Heating capacity (Nominal)	*2	BTU / h	80,000	108,000
	*2	kW	23.4	31.7
	(460)	Power input	6.16	8.66
		Current input	8.5	12.0
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	59~81°F(15~27°C)
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	-4~60°F(-20~15.5°C)
Minimum Circuit Ampacity			A	16
Maximum Overcurrent Protection			A	26
Indoor unit	Total capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity
	Model / Quantity		P06~P96/1~18	P06~P96/1~24
Sound pressure level (measured in anechoic room)			dB <A>	58.0
Diameter of refrigerant pipe	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
	Air flow rate	cfm	6,180	6,180
		m ³ / min	175	175
		L/s	2,920	2,920
	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	5.1	7.0
	Case heater	kW	0.035(230V)	0.045(230V)
	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)
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection	Over-heat protection,Over-current protection
	Compressor		Over-heat protection	Over-heat protection
	Fan motor		Thermal switch	Thermal switch
Refrigerant	Type x original charge		R410A x 23lbs + 2 oz (10.5kg)	R410A x 26lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight			lbs (kg)	552(250)
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94T933	WKB94T934
	Wiring		WKE94C376	WKE94C376
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, 1016NU-HA Sub BC controller: CMB-P104,108NU-GB,CMB-P1016NU-HB	Outdoor Connection pipe: CMY-RS200UEB 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, 1016NU-HA 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.	

Notes :

- Nominal cooling conditions
Indoor:80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)
Outdoor:95°F D.B. (35°C D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - Nominal heating conditions
Indoor:70°F D.B. (21.1°C D.B.)
Outdoor:47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - 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.

Unit converter	
BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536
*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Model			PURY-P120YJMU-A(-BS)	PURY-P144YJMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	120,000	144,000	
	*1	kW	35.2	42.2	
	(460)	Power input	kW	9.99	12.43
	(460)	Current input	A	13.9	17.3
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	23~115°F(-5~46°C)	
Heating capacity (Nominal)	*2	BTU / h	135,000	160,000	
	*2	kW	39.6	46.9	
	(460)	Power input	kW	11.02	13.20
	(460)	Current input	A	15.3	18.4
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	-4~60°F(-20~15.5°C)	
Minimum Circuit Ampacity		A	23	27	
Maximum Overcurrent Protection		A	35	43	
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/1~30		
Sound pressure level (measured in anechoic room)		dB <A>	60.0	61.0	
Diameter of refrigerant pipe	High pressure	in. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed	
	Low pressure	in. (mm)	1-1/8"(28.58) Brazed	1-1/8"(28.58) Brazed	
FAN	Type x Quantity		Propeller fan x 2		
	Air flow rate	cfm	10,600	12,010	
		m ³ / min	300	340	
		L/s	5,000	5,670	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92+0.92	0.92+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	9.5	
	Case heater	kW	0.045(230V)	0.045(230V)	
	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 68-29/32" x 29-15/16"	
			mm	1,650 x 1,750 x760	
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		
	Fan motor		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller		
Net weight		lbs (kg)	728(330)	728(330)	
Heat exchanger			Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			-		
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94T935	WKB94T935	
	Wiring		WKE94C377	WKE94C377	
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Connection pipe: CMY-RS300UEB 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, 1016NU-HA 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.		

Notes :	Unit converter
1.Nominal cooling conditions Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.) Outdoor:95°F.D.B. (35°C.D.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	BTU/h =kW x 3.412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
2.Nominal heating conditions Indoor:70°F.D.B. (21.1°C.D.B.) Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	
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.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P168YSJMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	168,000	
	*1	kW	49.2	
	(460)	Power input	kW	13.86
	(460)	Current input	A	19.3
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	
Heating capacity (Nominal)	*2	BTU / h	188,000	
	*2	kW	55.1	
	(460)	Power input	kW	15.26
	(460)	Current input	A	21.2
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	
Indoor unit	Total capacity	50~150% of outdoor unit capacity		
	Model / Quantity	P06~P96/1~42		
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Diameter of refrigerant pipe	High pressure	in.(mm)	7/8"(22.2) Brazed	
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed	

Set Model			PURY-P72YJMU-A(-BS)		PURY-P96YJMU-A(-BS)		
Minimum Circuit Ampacity			A	13	16		
Maximum Overcurrent Protection			A	19	26		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	cfm	6,180		6,180		
		m ³ / min	175		175		
		L/s	2,920		2,920		
	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	5.1		7.0		
	Case heater	kW	0.035(230V)		0.045(230V)		
	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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 23lbs + 2 oz (10.5kg)		R410A x 26lbs + 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		WKB94T936				
	Wiring		WKE94C376		WKE94C376		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100VBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.				

Notes :	Unit converter
1.Nominal cooling conditions Indoor:80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.) Outdoor:95°F D.B. (35°C D.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	BTU/h =kW x 3.412 cfm =m ³ /min x 35.31 lb =kg / 0.4536
2.Nominal heating conditions Indoor:70°F D.B. (21.1°C D.B.) Outdoor:47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.) Pipe length:25ft. (7.6m), Level difference:0ft. (0m)	
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.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P192YSJMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000	
	*1	kW	56.3	
	(460)	Power input	kW	16.07
	(460)	Current input	A	22.4
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)	
	Outdoor	D.B.	23~115°F(-5~46°C)	
Heating capacity (Nominal)	*2	BTU / h	215,000	
	*2	kW	63.0	
	(460)	Power input	kW	17.84
	(460)	Current input	A	24.8
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)	
	Outdoor	W.B.	-4~60°F(-20~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~48	
Sound pressure level (measured in anechoic room)			dB <A>	
			61.0	
Diameter of refrigerant pipe	High pressure	in.(mm)	7/8"(22.2) Brazed	
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed	

Set Model

Model			PURY-P96YJMU-A(-BS)		PURY-P96YJMU-A(-BS)	
Minimum Circuit Ampacity			A		16	
Maximum Overcurrent Protection			A		26	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	cfm	6,180		6,180	
		m ³ / min	175		175	
		L/s	2,920		2,920	
	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	0.045(230V)		0.045(230V)	
	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"		
			mm	1,650 x 1,220 x760		
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		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		WKB94T937			
	Wiring		WKE94C376		WKE94C376	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100VBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - 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.

Unit converter

BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U6-2

Model			PURY-P216YSJMU-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	kW	18.32	
		Current input	A	25.5	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	243,000		
	*2	kW	71.2		
	(460)	Power input	kW	20.27	
		Current input	A	28.2	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)		dB <A>	62.5		
Diameter of refrigerant pipe	High pressure	in.(mm)	1-1/8"(28.58) Brazed		
	Low pressure	in.(mm)	1-1/8"(28.58) Brazed		

Set Model

Model			PURY-P96YJMU-A(-BS)		PURY-P120YJMU-A(-BS)		
Minimum Circuit Ampacity			A	16	23		
Maximum Overcurrent Protection			A	26	35		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		
	Air flow rate	cfm	6,180		10,600		
		m ³ / min	175		300		
		L/s	2,920		5,000		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92		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	0.045(230V)		0.045(230V)		
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 68-29/32" x 29-15/16"	
			mm	1,650 x 1,220 x760		1,650 x 1,750 x760	
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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller				
Net weight			lbs (kg)	618(280)		728(330)	
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		WKB94T938				
	Wiring		WKE94C376		WKE94C377		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS200UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.				

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- 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.

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lb =kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P240YSJMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	240,000		
		kW	70.3		
	(460)	Power input	kW	20.58	
		Current input	A	28.7	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	270,000		
		kW	79.1		
	(460)	Power input	kW	22.70	
		Current input	A	31.6	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50(Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)			dB <A>		
Diameter of refrigerant pipe			High pressure	in.(mm)	
			Low pressure	in.(mm)	
			1-1/8"(28.58) Brazed		
			1-3/8"(34.93) Brazed		

Set Model

Model			PURY-P120YJMU-A(-BS)		PURY-P120YJMU-A(-BS)		
Minimum Circuit Ampacity			A		23		
Maximum Overcurrent Protection			A		35		
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	cfm	10,600		10,600		
		m ³ / min	300		300		
		L/s	5,000		5,000		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92+0.92		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	0.045(230V)		0.045(230V)		
	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 68-29/32" x 29-15/16"		64-31/32" x 68-29/32" x 29-15/16"	
			mm	1,650 x 1,750 x760		1,650 x 1,750 x760	
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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller				
Net weight			lbs (kg)		728(330)		
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		WKB94T939				
	Wiring		WKE94C377		WKE94C377		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS300UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA 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.				

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
- 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.

Unit converter

BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lb	=kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

DATA U6-2

Model			PURY-P264YSJMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	264,000		
	*1	kW	77.4		
	(460)	Power input	kW	23.09	
		Current input	A	32.2	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	295,000		
	*2	kW	86.5		
	(460)	Power input	kW	24.95	
		Current input	A	34.7	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)		dB <A>	63.5		
Diameter of refrigerant pipe	High pressure	in.(mm)	1-1/8"(28.58) Brazed		
	Low pressure	in.(mm)	1-3/8"(34.93) Brazed		

Set Model

Model			PURY-P120YJMU-A(-BS)		PURY-P144YJMU-A(-BS)	
Minimum Circuit Ampacity			A	23	27	
Maximum Overcurrent Protection			A	35	43	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	cfm	10,600	12,010		
		m ³ / min	300	340		
		L/s	5,000	5,670		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92+0.92	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	9.5		
	Case heater	kW	0.045(230V)	0.045(230V)		
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 68-29/32" x 29-15/16"	64-31/32" x 68-29/32" x 29-15/16"	
			mm	1,650 x 1,750 x760	1,650 x 1,750 x760	
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)	
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
	Fan motor		Thermal switch		Thermal switch	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)	728(330)	728(330)	
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	7/8"(22.2) 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		WKB94T939			
	Wiring		WKE94C377	WKE94C377		
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe: CMY-RS300UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P1016NU-HA 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.			

Notes :

- Nominal cooling conditions
Indoor:80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.)
Outdoor:95°F.D.B. (35°C.D.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - Nominal heating conditions
Indoor:70°F.D.B. (21.1°C.D.B.)
Outdoor:47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.)
Pipe length:25ft. (7.6m), Level difference:0ft. (0m)
 - 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.

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lb =kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P288YSJMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	288,000		
	*1	kW	84.4		
	(460)	Power input	kW	25.61	
		Current input	A	35.7	
Temp. range of cooling	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C)		
Heating capacity (Nominal)	*2	BTU / h	320,000		
	*2	kW	93.8		
	(460)	Power input	kW	27.19	
		Current input	A	37.9	
Temp. range of heating	Indoor	D.B.	59~81°F(15~27°C)		
	Outdoor	W.B.	-4~60°F(-20~15.5°C)		
Indoor unit	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)			dB <A>		
Diameter of refrigerant pipe	High pressure	in.(mm)	1-1/8"(28.58) Brazed		
	Low pressure	in.(mm)	1-3/8"(34.93) Brazed		

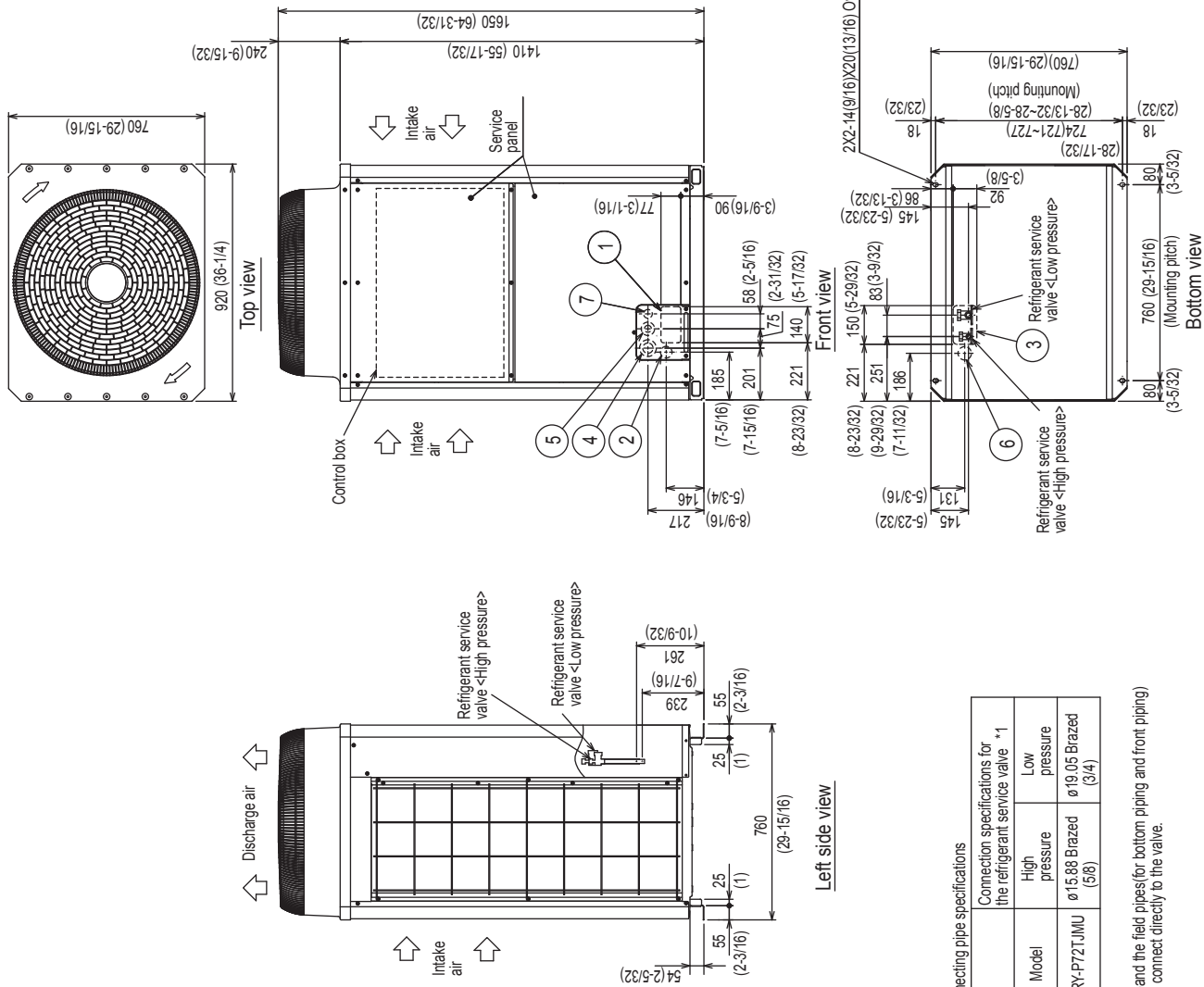
Set Model			PURY-P144YJMU-A(-BS)		PURY-P144YJMU-A(-BS)		
Minimum Circuit Ampacity			A		27		
Maximum Overcurrent Protection			A		43		
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	cfm	12,010		12,010		
		m ³ / min	340		340		
		L/s	5,670		5,670		
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92+0.92		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	9.5		9.5		
	Case heater	kW	0.045(230V)		0.045(230V)		
	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 68-29/32" x 29-15/16"		64-31/32" x 68-29/32" x 29-15/16"	
			mm	1,650 x 1,750 x760		1,650 x 1,750 x760	
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)		
	Inverter circuit (COMP. / FAN)		Over-heat protection,Over-current protection		Over-heat protection,Over-current protection		
	Compressor		Over-heat protection		Over-heat protection		
	Fan motor		Thermal switch		Thermal switch		
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)		R410A x 26lbs + 1 oz (11.8kg)		
	Control		Indoor LEV and BC controller				
Net weight			lbs (kg)		728(330)		
Heat exchanger			Salt-resistant cross fin & copper tube				
HIC circuit (HIC: Heat Inter-Changer)			-				
Pipe between unit and distributor	High pressure	in.(mm)	7/8"(22.2) Brazed		7/8"(22.2) 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		WKB94T939				
	Wiring		WKE94C377		WKE94C377		
Standard attachment	Document		Installation Manual				
	Accessory		Details refer to External Drw				
Optional parts			Outdoor Twinning kit:CMY-R100XLVBK Outdoor Connection pipe:CMY-RS400UEB Joint: CMY-Y102S-G2,CMY-Y102L-G2,CMY-Y202-G2,CMY-R160-J Main BC controller: CMB-P1016NU-HA 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.				

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

PURY-P72TJMU-A-(BS)

Unit : mm(in.)

R2



Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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 92 Knockout hole (5-29/32) (3-5/8)
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	ø52 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)

Connecting pipe specifications

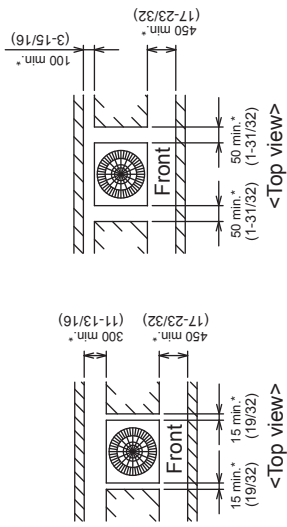
Model	High pressure	Low pressure
PURY-P72TJMU	ø15.88 Brazed (5/8)	ø19.05 Brazed (3/4)

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

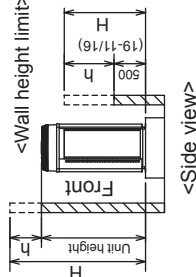
1. Required space around the unit

● 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



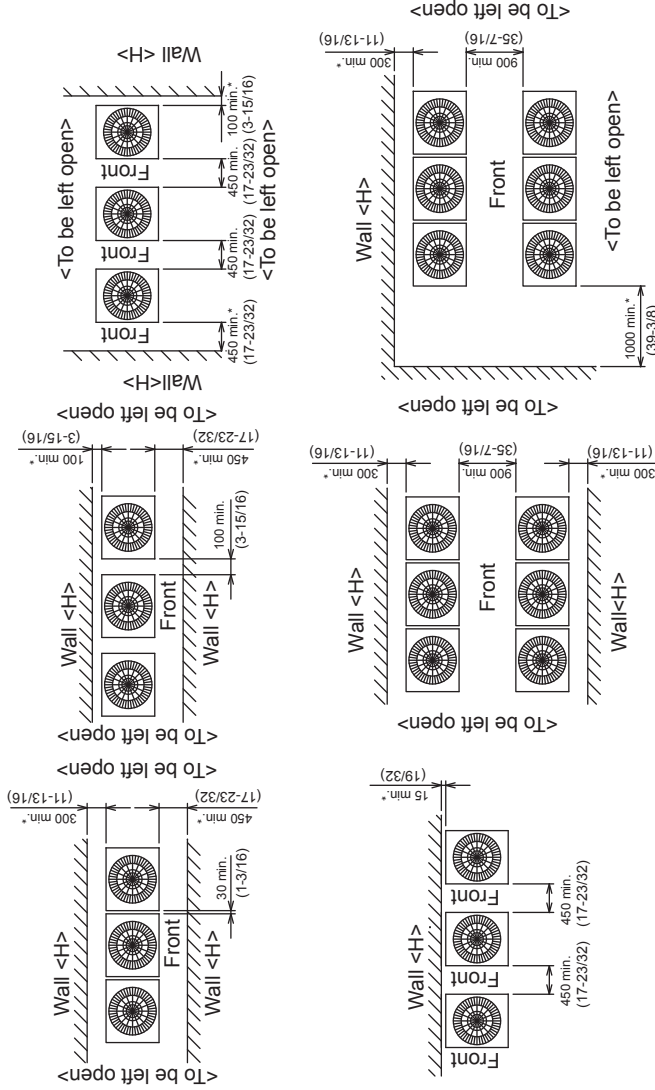
- ② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<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

- 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.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



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 and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

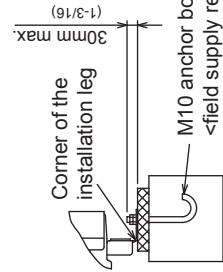


Fig. B

Fig. A

Unit : mm(in.)

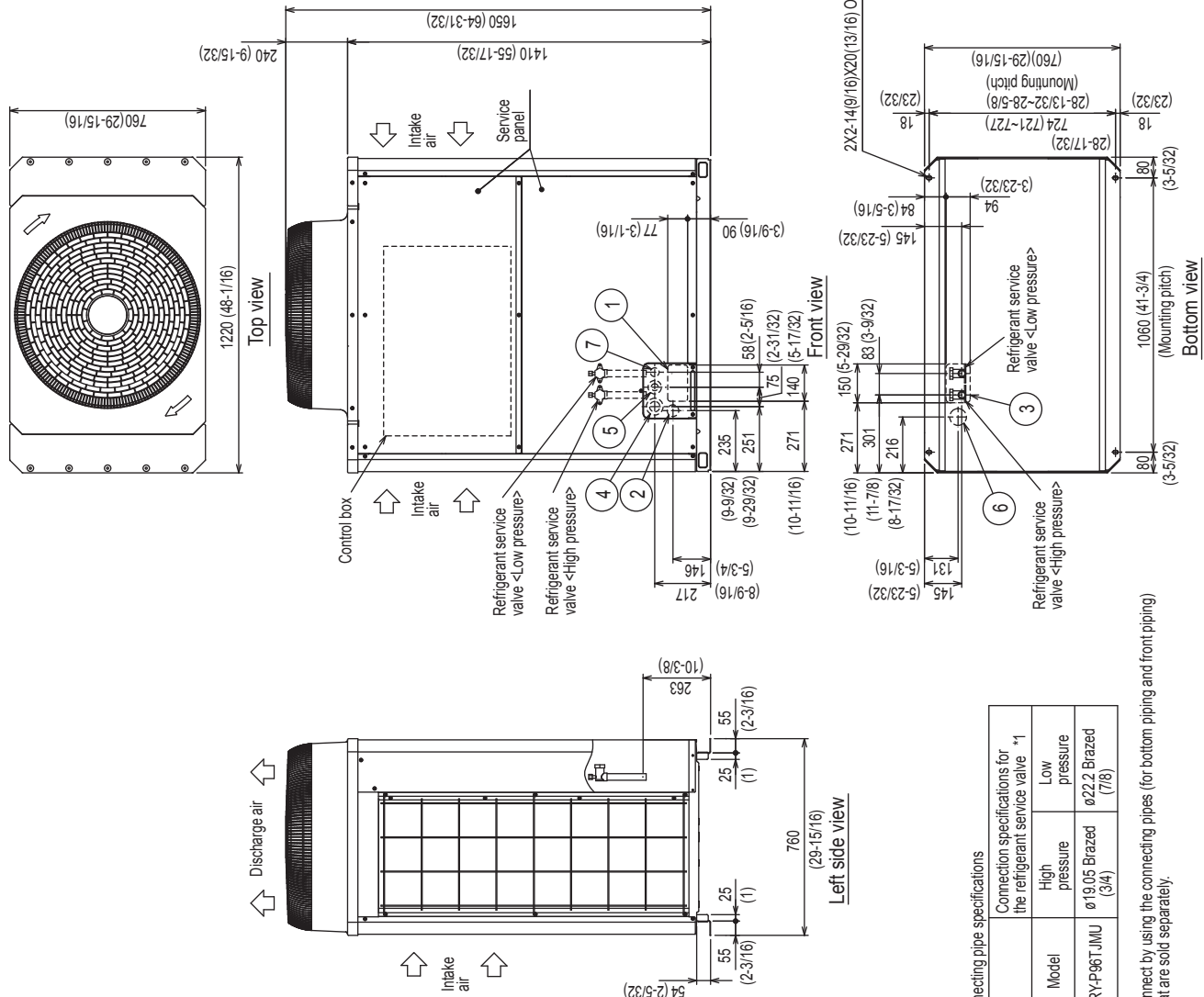
PURY-P96TJMU-A(-BS)

Unit : mm(in.)

- <Optional parts>
- Connecting pipe
- <Low pressure> Pipe(Dø25.4(1)XIDø22.2(7/8)) 1 pc.
- <High pressure> Pipe(Dø25.4(1)XODø19.05(3/4)) 1 pc.
- Elbow(Dø19.05(3/4)XODø19.05(3/4)) 1 pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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	Front through hole	ø34 Knockout hole (1-11/32)



Connecting pipe specifications

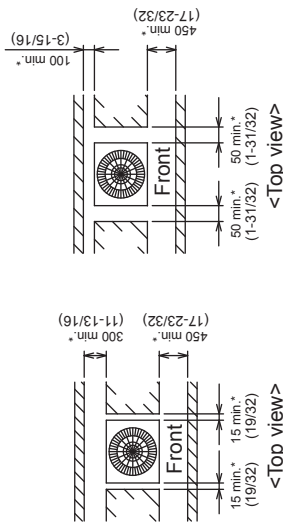
Model	High pressure	Low pressure
PURY-P96TJMU	ø19.05 Brazed (3/4)	ø22.2 Brazed (7/8)

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

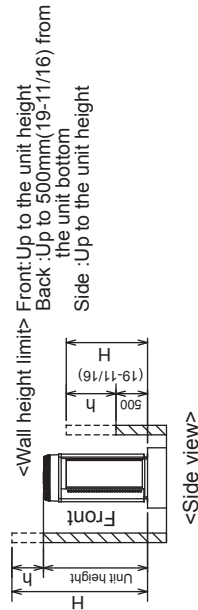
1. Required space around the unit

● 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 <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm(1-3/16).(Fig.A)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts.(Fig.B)
- ⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

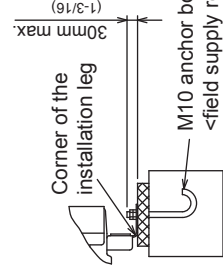


Fig.A

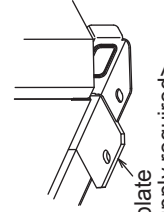
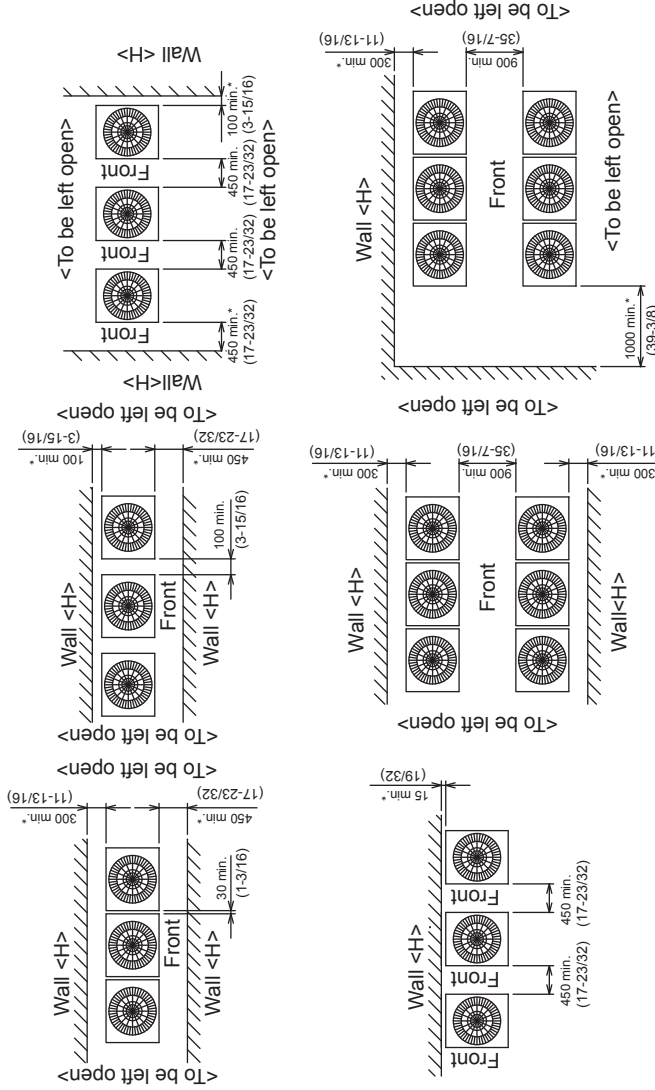


Fig.B

● In case of collective installation

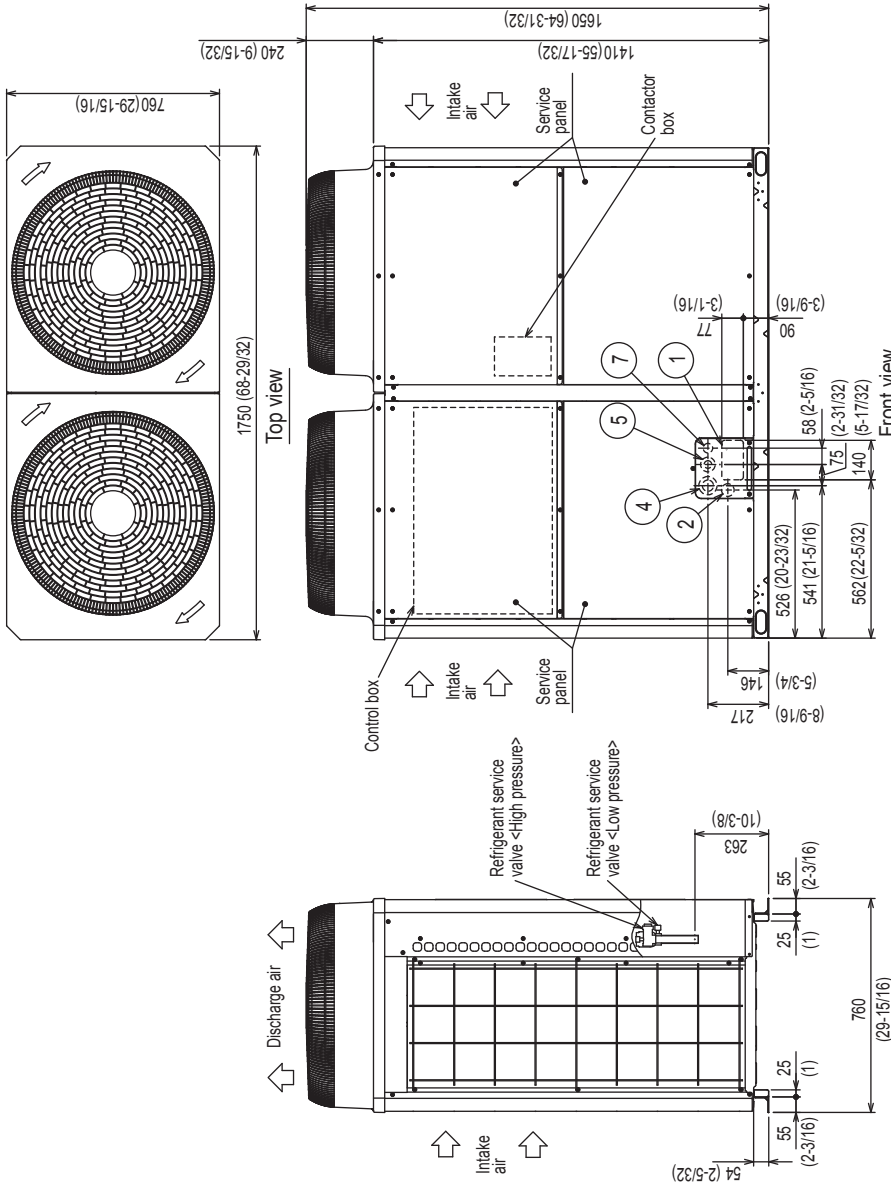
- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



Unit : mm(in.)

PURY-P120,144TJMU-A(-BS)

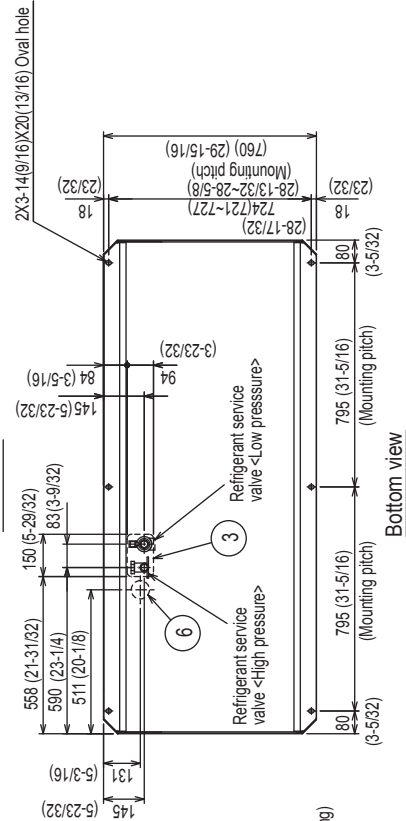
Unit : mm(in.)



- <Optional parts>
 ● Connecting pipe
 <High pressure> Pipe (Dø25.4(1)XODø19.05(3/4)).....P120 1 pc.
 <Low pressure> Pipe (Dø25.4(1)XODø22.7(7/8)).....P144 1 pc.
 Elbow (Dø19.05(3/4)XODø19.05(3/4)).....P120 1 pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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	Front through hole	ø34 Knockout hole (1-11/32)



Connecting pipe specifications	
Model	Connection specifications for the refrigerant service valve *1
PURY-P120TJMU	High pressure (3/4)
	Low pressure (1-1/8)
PURY-P144TJMU	High pressure (3/4)
	Low pressure (1-1/8)

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

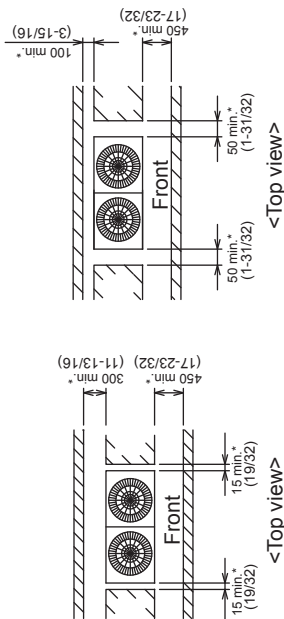
R2

1. Required space around the unit

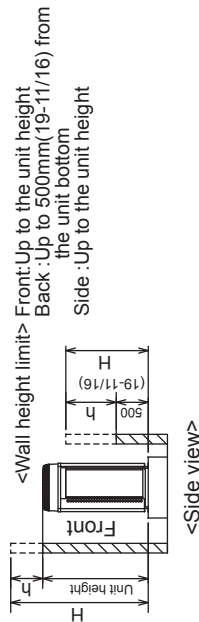
● In case of single installation

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



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



2. Foundation work

- 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) when using post-installed anchor bolts. (Fig.B)
- To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.

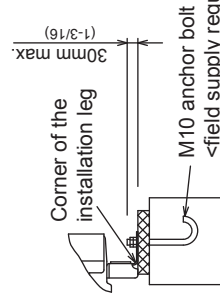
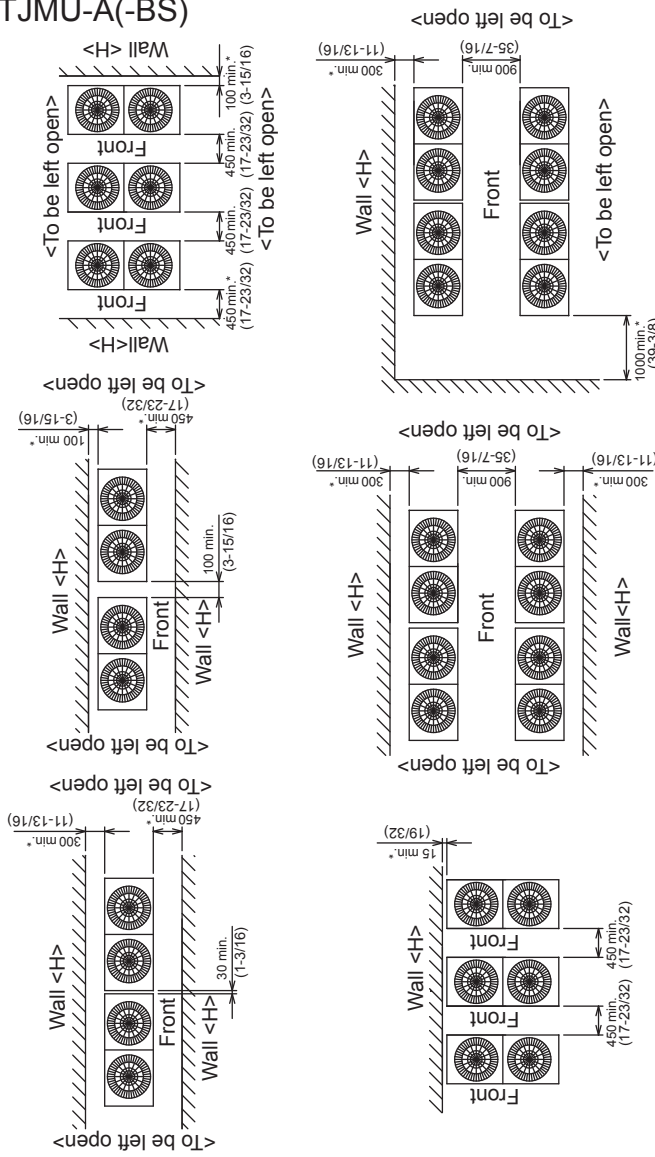


Fig.A

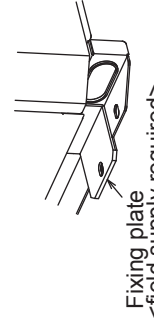
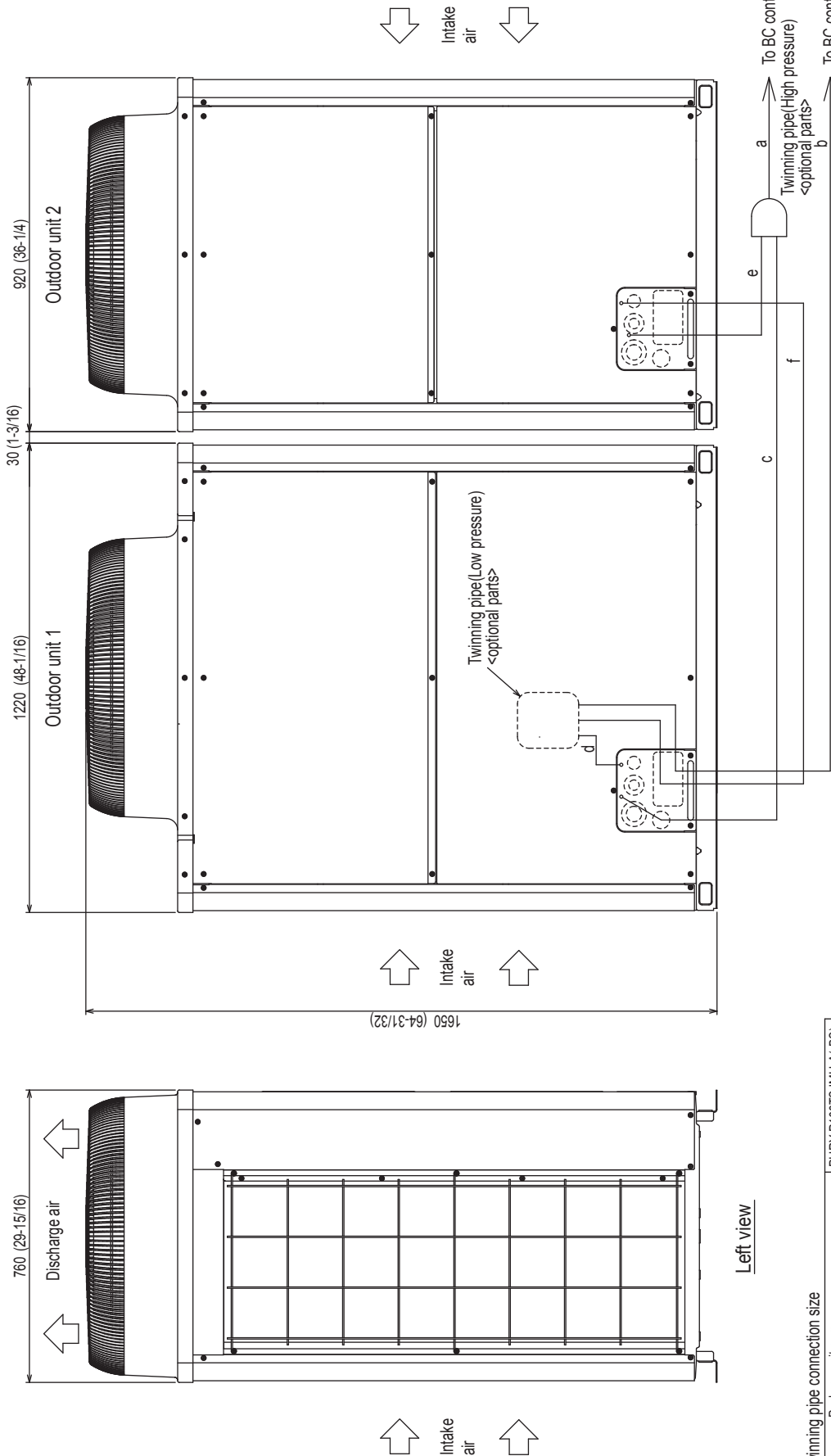


Fig.B

Unit : mm(in.)

PURY-P168TSJMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

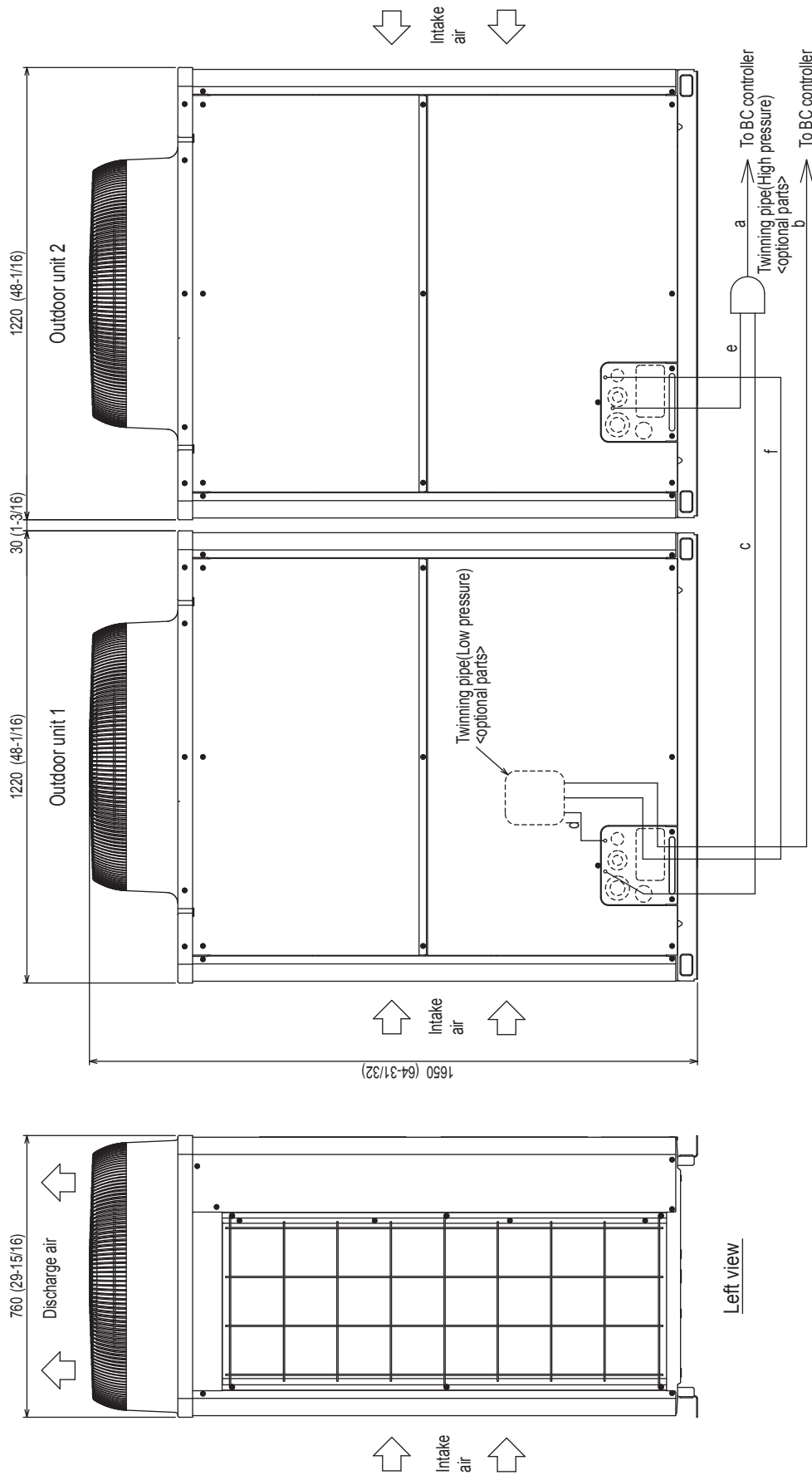
Package unit name	PURY-P168TSJMU-A(-BS)	
Component unit name	Outdoor unit 1	PURY-P96TJMU-A(-BS)
	Outdoor unit 2	PURY-P72JMU-A(-BS)
Outdoor Twinning Kit(optional parts)	GMV-R100VBK	
BC controller-Twinning pipe	High pressure	a
	Low pressure	b
		ø22.2(7/8)
		ø28.58(1-1/8)

Twinning pipe-Outdoor unit	Unit model	High pressure	Low pressure
P72		c or e	d or f
P96		ø15.88(5/8)	ø19.05(3/4)
		ø19.05(3/4)	ø22.2(7/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

PURY-P192TSJMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

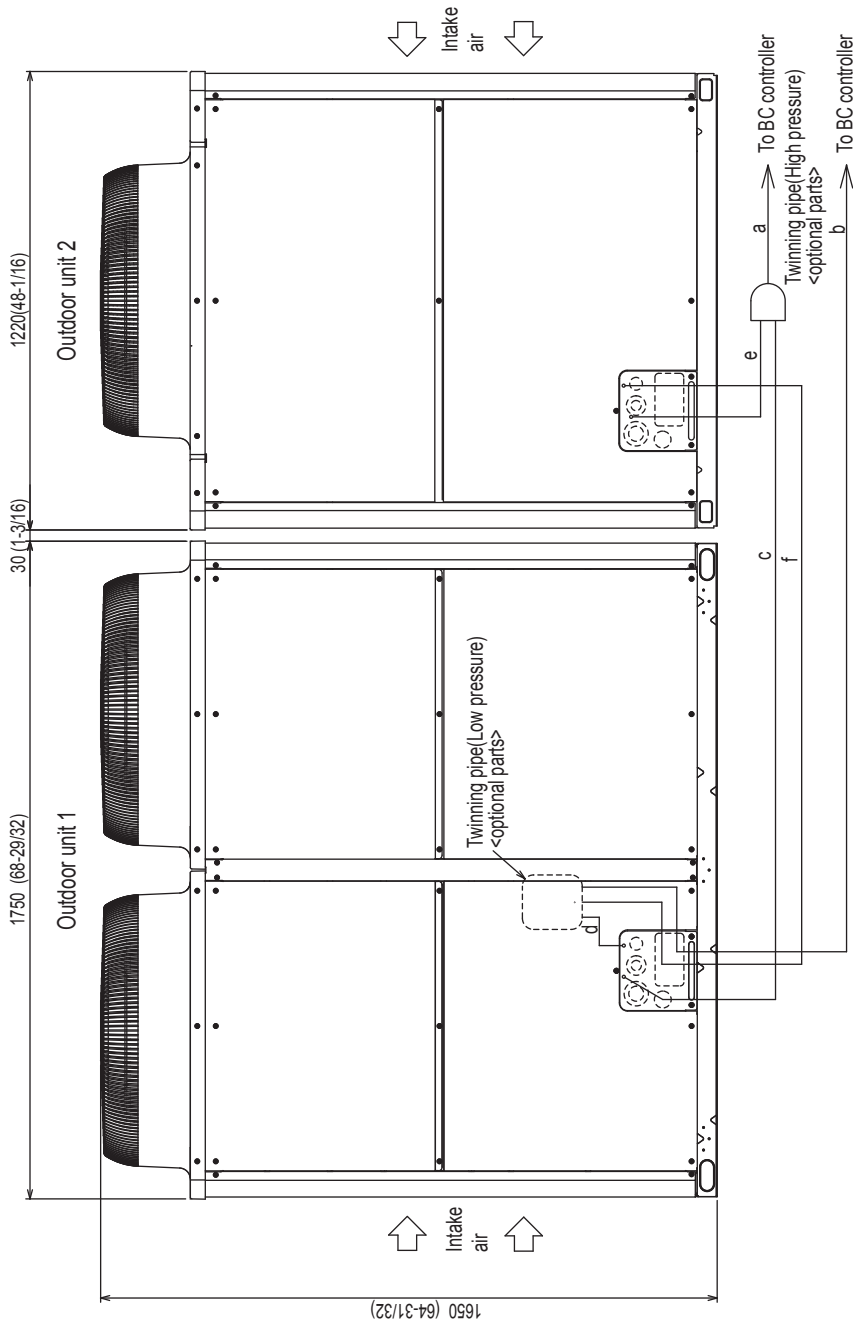
Package unit name	PURY-P192TSJMU-A(-BS)		
Component unit name	PURY-P96TJMU-A(-BS)		
Outdoor unit 1	PURY-P96TJMU-A(-BS)		
Outdoor unit 2	PURY-P96TJMU-A(-BS)		
Outdoor Twinning Kit(optional parts)	CMY-R100VBK		
BC controller~ Twinning pipe	High pressure	a	ø22.2(7/8)
	Low pressure	b	ø28.58(1-1/8)

Twinning pipe~Outdoor unit	Unit model	P96
	High pressure core	ø19.05(3/4)
Twinning pipe~Outdoor unit	Low pressure orifice	ø22.2(7/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

PURY-P216TSJMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name	PURY-P216TSJMU-A(-BS)	
Component unit name	Outdoor unit 1	PURY-P120TJMU-A(-BS)
Outdoor Twinning Kit(optional parts)	Outdoor unit 2	PURY-P96TJMU-A(-BS)
BC controller~Twinning pipe	High pressure	CMY-FR100XLVBK
	Low pressure	ø28.58(1-1/8)
		ø28.58(1-1/8)

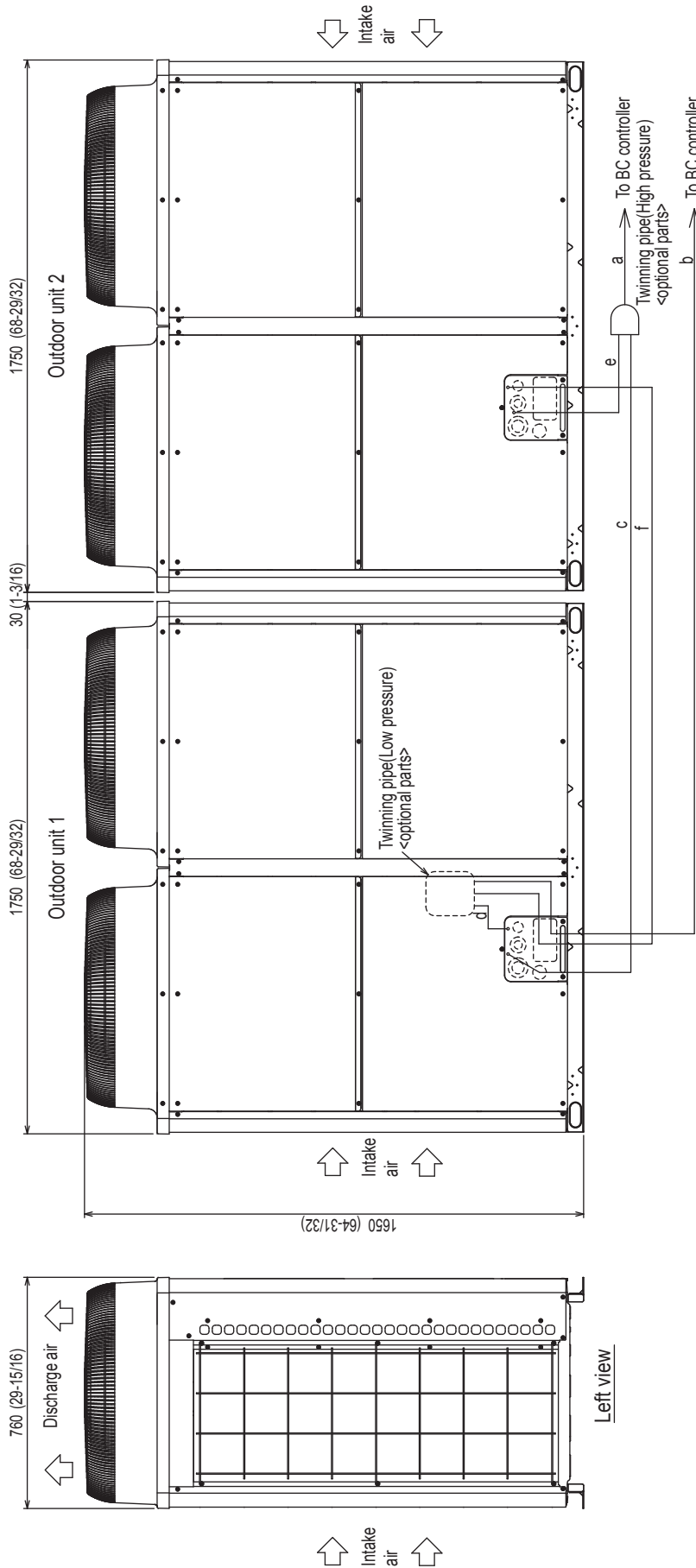
Unit model	High pressure core	Low pressure
P96	ø19.05(3/4)	d or f
P120	ø19.05(3/4)	ø22.2(7/8)
Twinning pipe-Outdoor unit		ø28.58(1-1/8)

- 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.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. 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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

R2

PURY-P240,264,288TSJMU-A(-BS)

Unit : mm(in.)



Front view

Twinning pipe connection size

Package unit name	PURY-P240TSJMU-A(-BS)	PURY-P264TSJMU-A(-BS)	PURY-P288TSJMU-A(-BS)
Outdoor unit 1	PURY-P120TJMU-A(-BS)	PURY-P144TJMU-A(-BS)	PURY-P144TJMU-A(-BS)
Outdoor unit 2	PURY-P120TJMU-A(-BS)	PURY-P144TJMU-A(-BS)	PURY-P144TJMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CWY-R100XLVBK		
BC controller~Twinning pipe	High pressure	ø28.58(1-1/8)	
	Low pressure	ø34.93(1-3/8)	

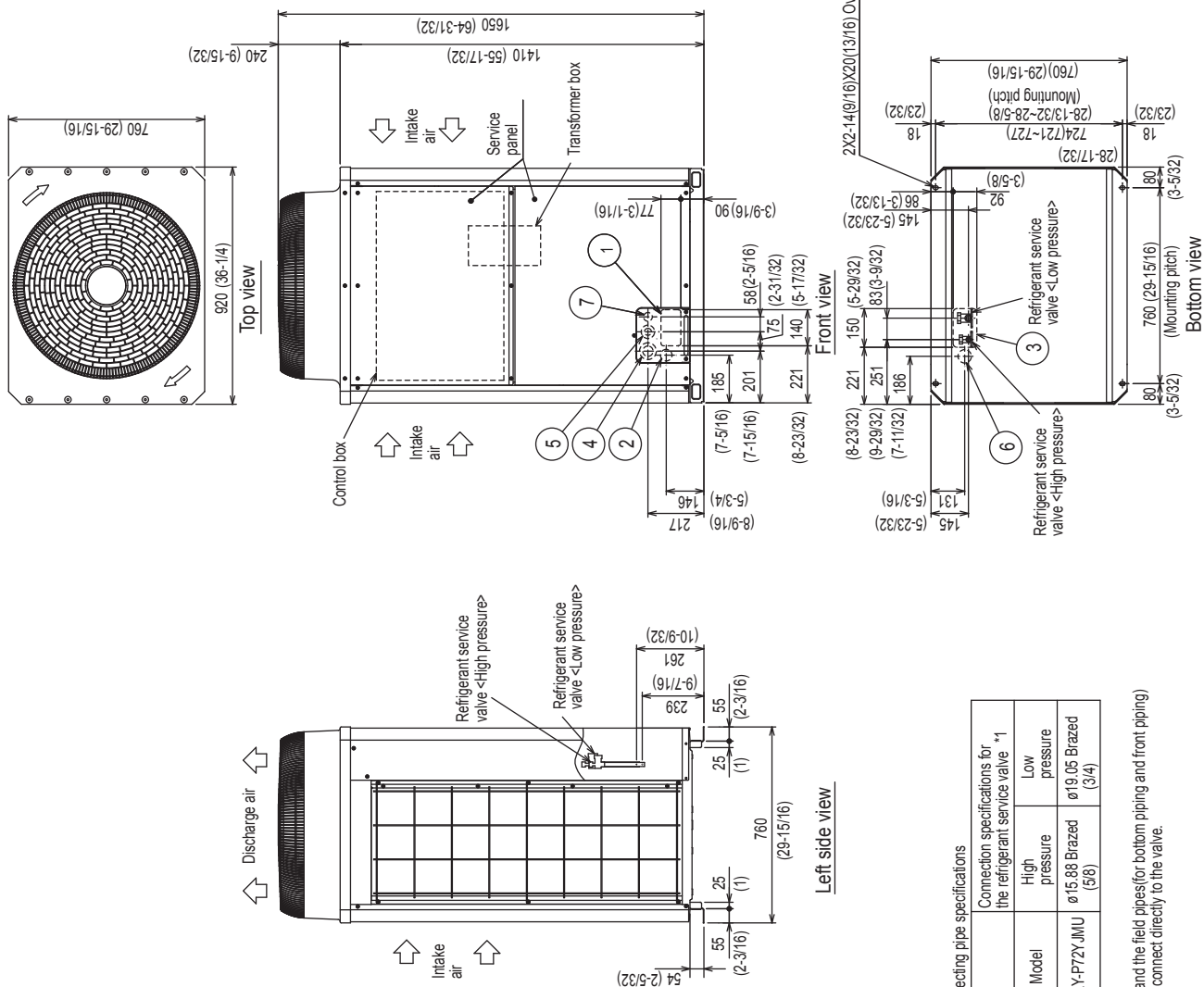
Twinning pipe-Outdoor unit	Unit model	High pressure		Low pressure	
		c or e	d or f	c or e	d or f
P120	P144	ø19.05(3/4)	ø28.58(1-1/8)	ø19.05(3/4)	ø28.58(1-1/8)
		ø22.2(7/8)	ø28.58(1-1/8)	ø22.2(7/8)	ø28.58(1-1/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be filled more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

PURY-P72YJMU-A-(BS)

Unit : mm(in.)

R2



Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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 92 Knockout hole (5-29/32) (3-5/8)
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	ø52 Knockout hole (2-1/16)
⑦	For transmission cables	ø34 Knockout hole (1-11/32)

Connecting pipe specifications

Model	High pressure	Low pressure
PURY-P72YJMU	ø15.88 Brazed (3/8)	ø19.05 Brazed (3/4)

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

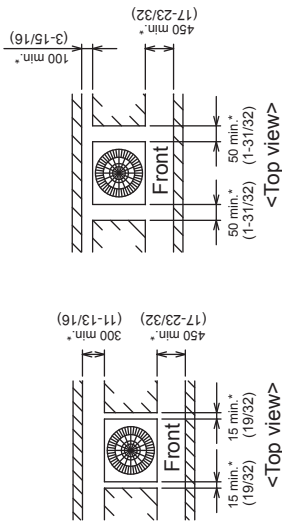
PURY-P72YJMU-A(-BS)

Unit : mm(.in.)

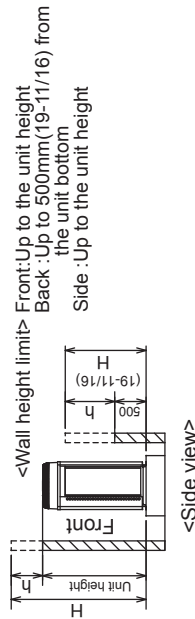
1. Required space around the unit

● 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



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



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
 - <Note that the drain water comes out of the unit during operation.>
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)
 - When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm(1-3/16). (Fig.A)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)
- ⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

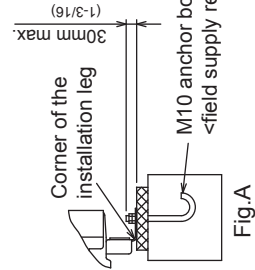


Fig.A

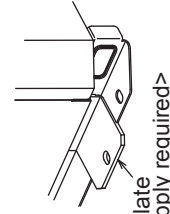
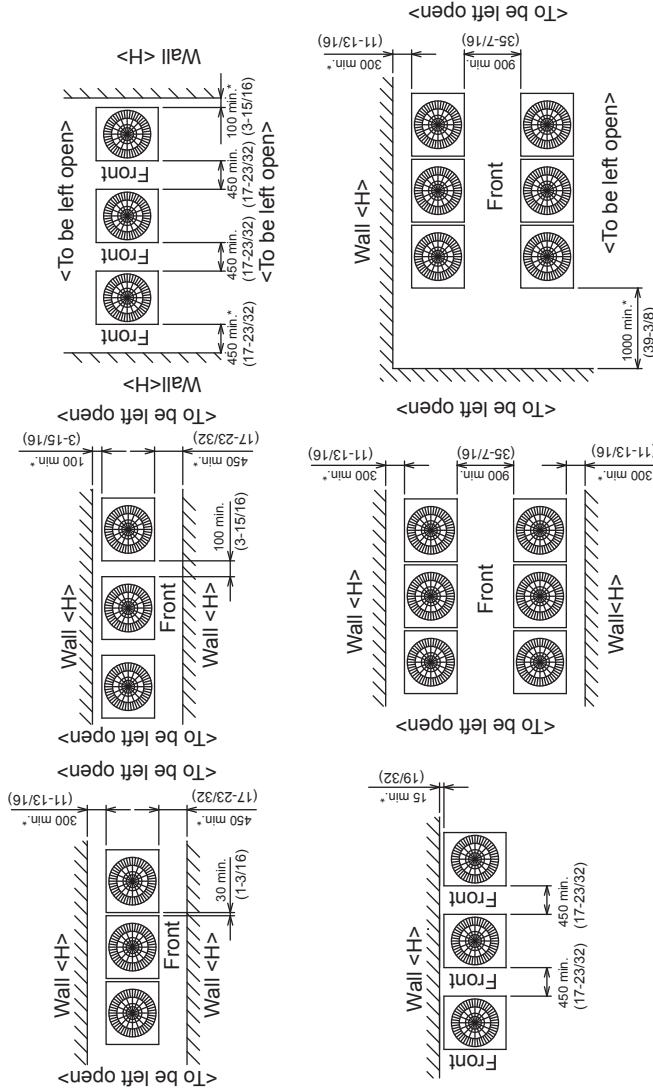


Fig.B

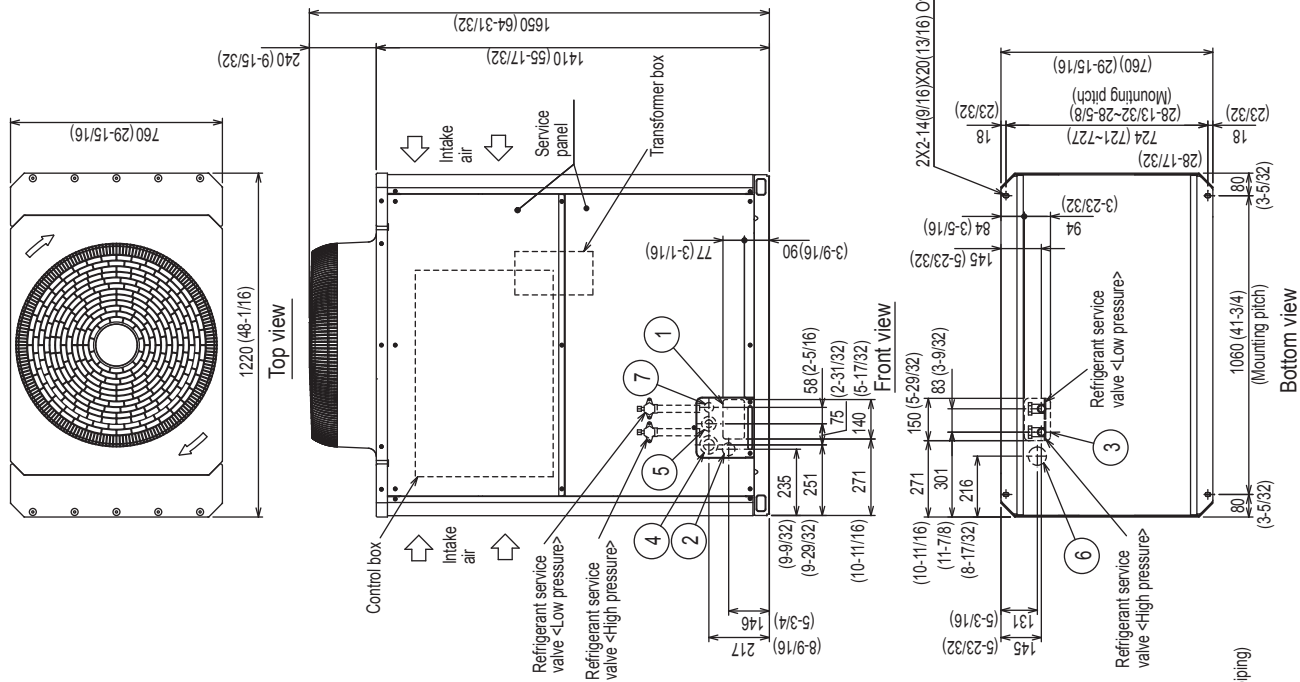
● In case of collective installation

- 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.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



PURY-P96YJMU-A-(BS)

Unit : mm(in.)



- <Optional parts>
 ● Connecting pipe
 <Low pressure> · Pipe (IDø25.4(1)XIDø22.2(7/8)) 1 pc.
 <High pressure> · Pipe (IDø25.4(1)XODø19.05(3/4)) 1 pc.
 · Elbow (IDø19.05(3/4)XODø19.05(3/4)) 1 pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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	Front through hole	ø34 Knockout hole (1-11/32)

Connecting pipe specifications

Model	High pressure	Low pressure
PURY-P96YJMU	ø19.05 Brazed (3/4)	ø22.2 Brazed (7/8)

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

R2

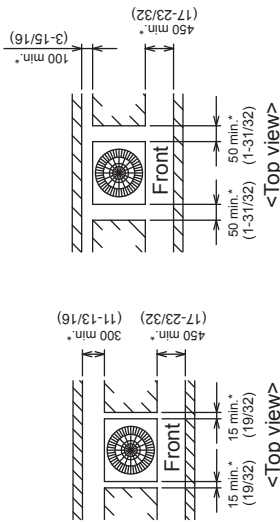
PURY-P96YJMU-A(-BS)

Unit : mm(in.)

1. Required space around the unit

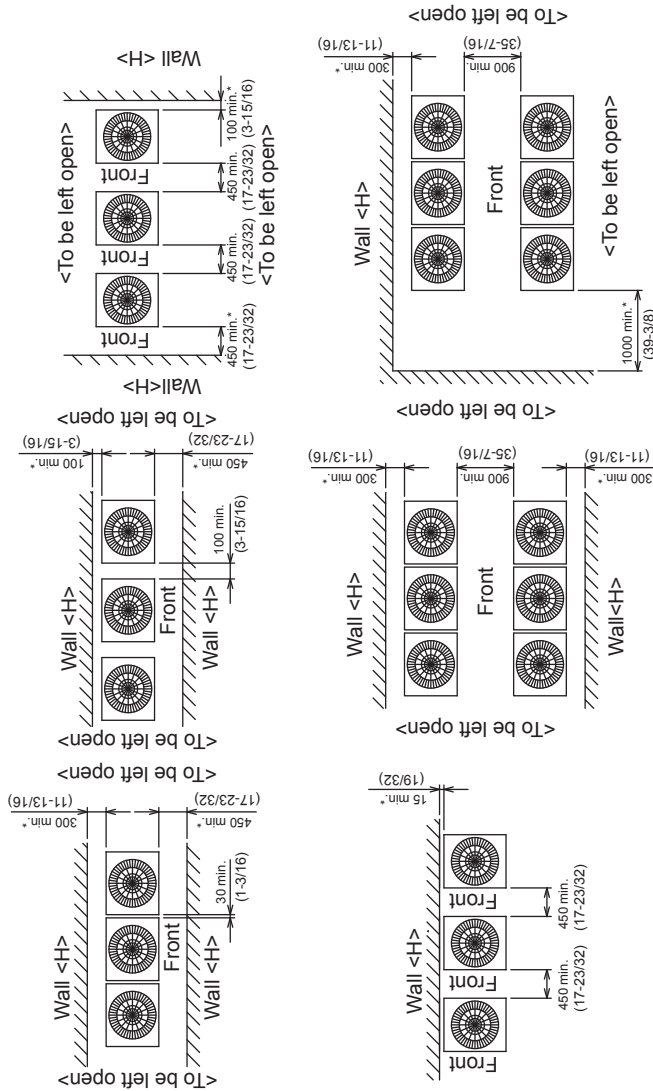
In case of single installation

- 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

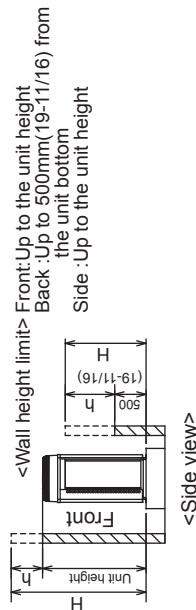


In case of collective installation

- 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.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



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



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

2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
 - <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 and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

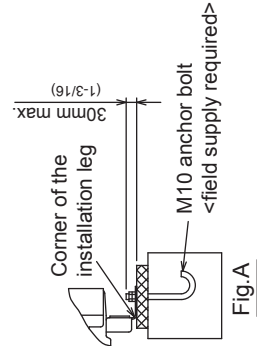


Fig.A

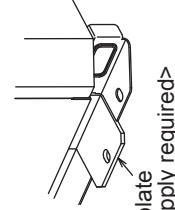


Fig.B

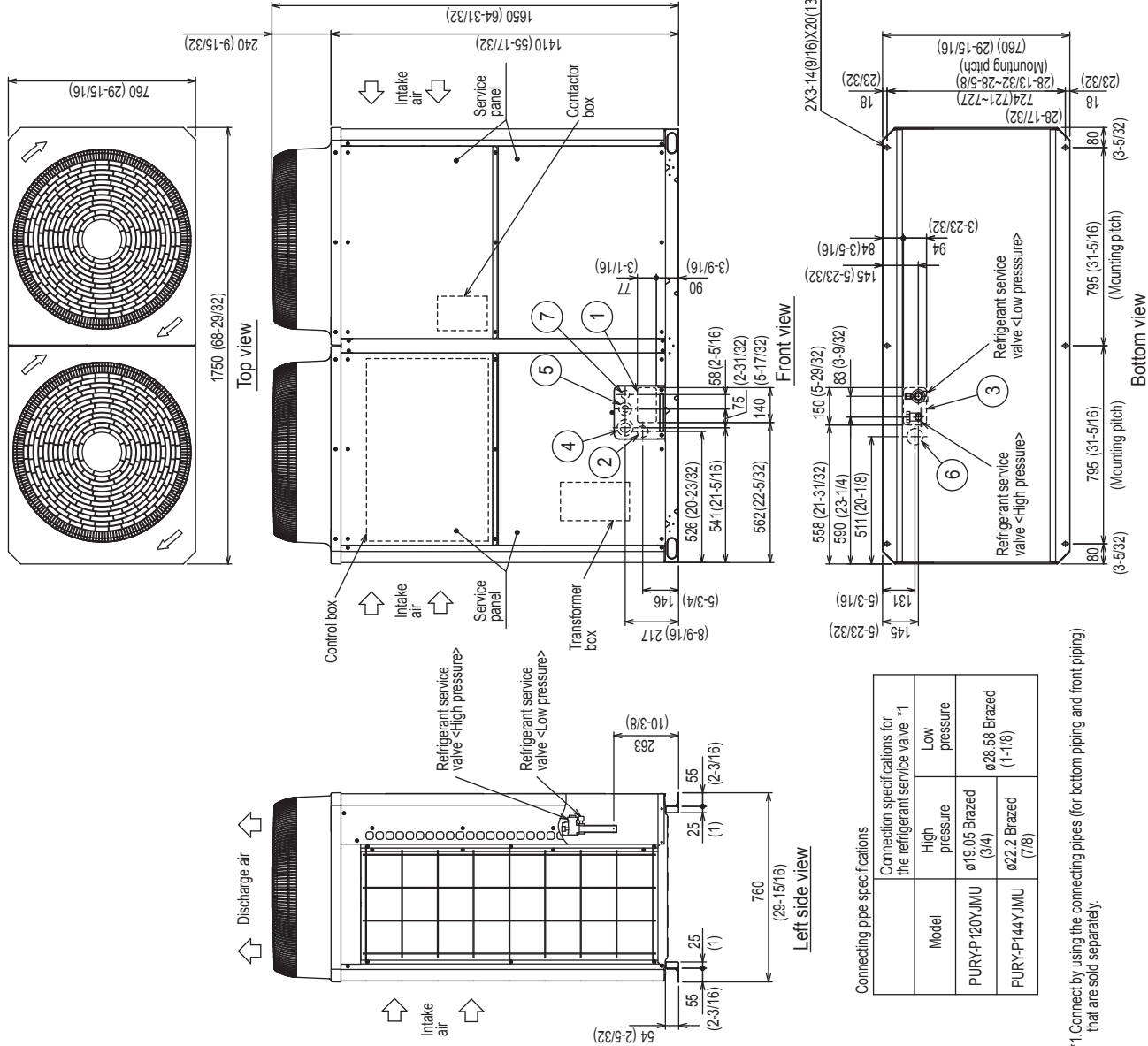
PURY-P120,144YJMU-A(-BS)

Unit : mm(in.)

- <Optional parts>
- Connecting pipe
- <High pressure>
 - Pipe(Dø25.4(1)XODø19.05(3/4)).....P120 1 pc.
 - Pipe(Dø25.4(1)XODø22.2(7/8)).....P144 1 pc.
 - Elbow(Dø19.05(3/4)XODø19.05(3/4)).....P120 1 pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	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)(5-23/32)
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	Front through hole	ø34 Knockout hole (1-11/32)



Model	High pressure	Low pressure
PURY-P120YJMU	ø19.05 Brazed (3/4)	ø28.58 Brazed (1-1/8)
PURY-P144YJMU	ø22.2 Brazed (7/8)	

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

R2

PURY-P120,144YJMU-A(-BS)

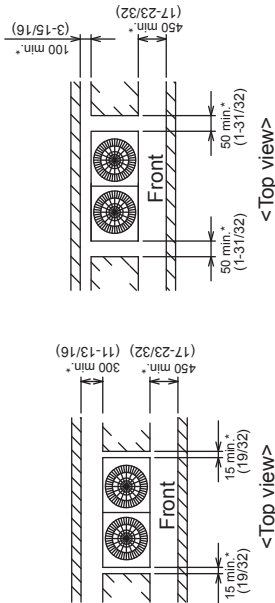
Unit : mm(in.)

1. Required space around the unit

In case of single installation

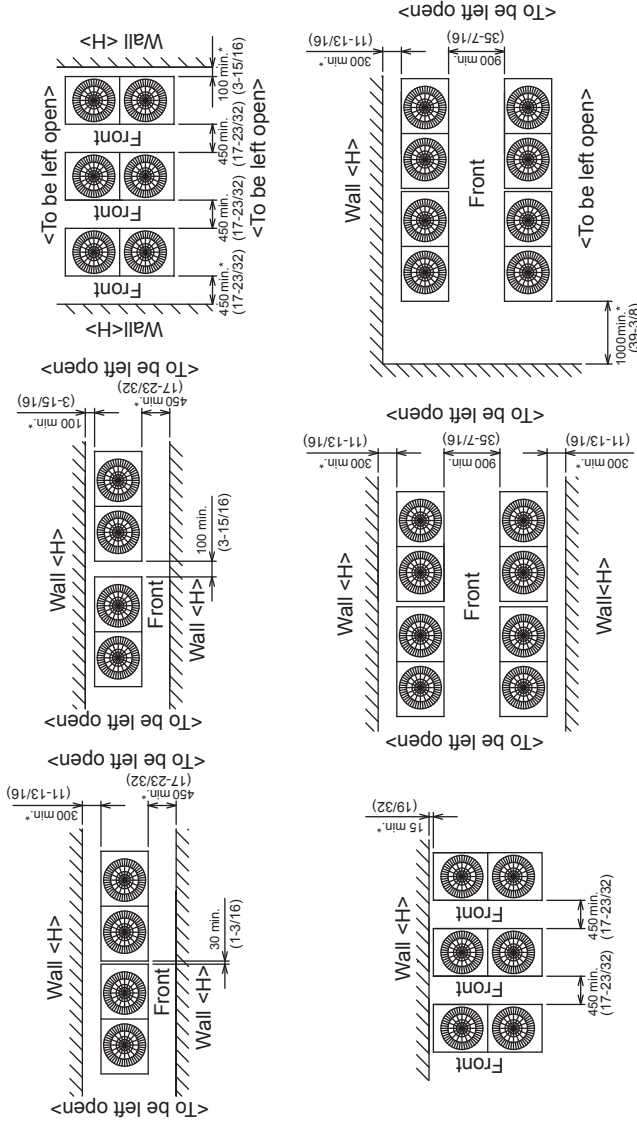
- ① Secure enough space around the unit as shown in the figure below.

* With a space of at least 300mm(11-13/16) to the wall on the back of the unit



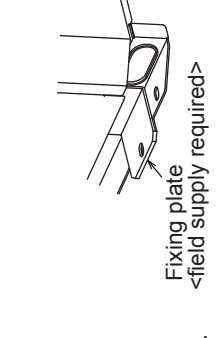
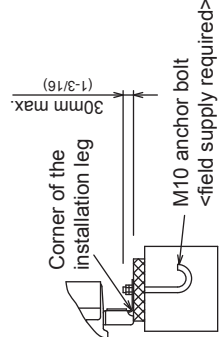
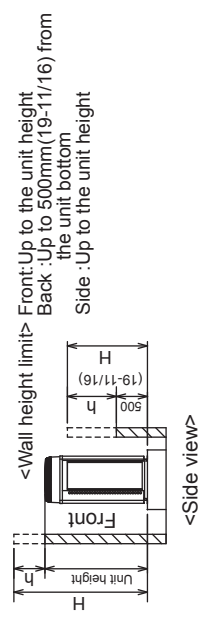
In case of collective installation

- 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- ④ If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.



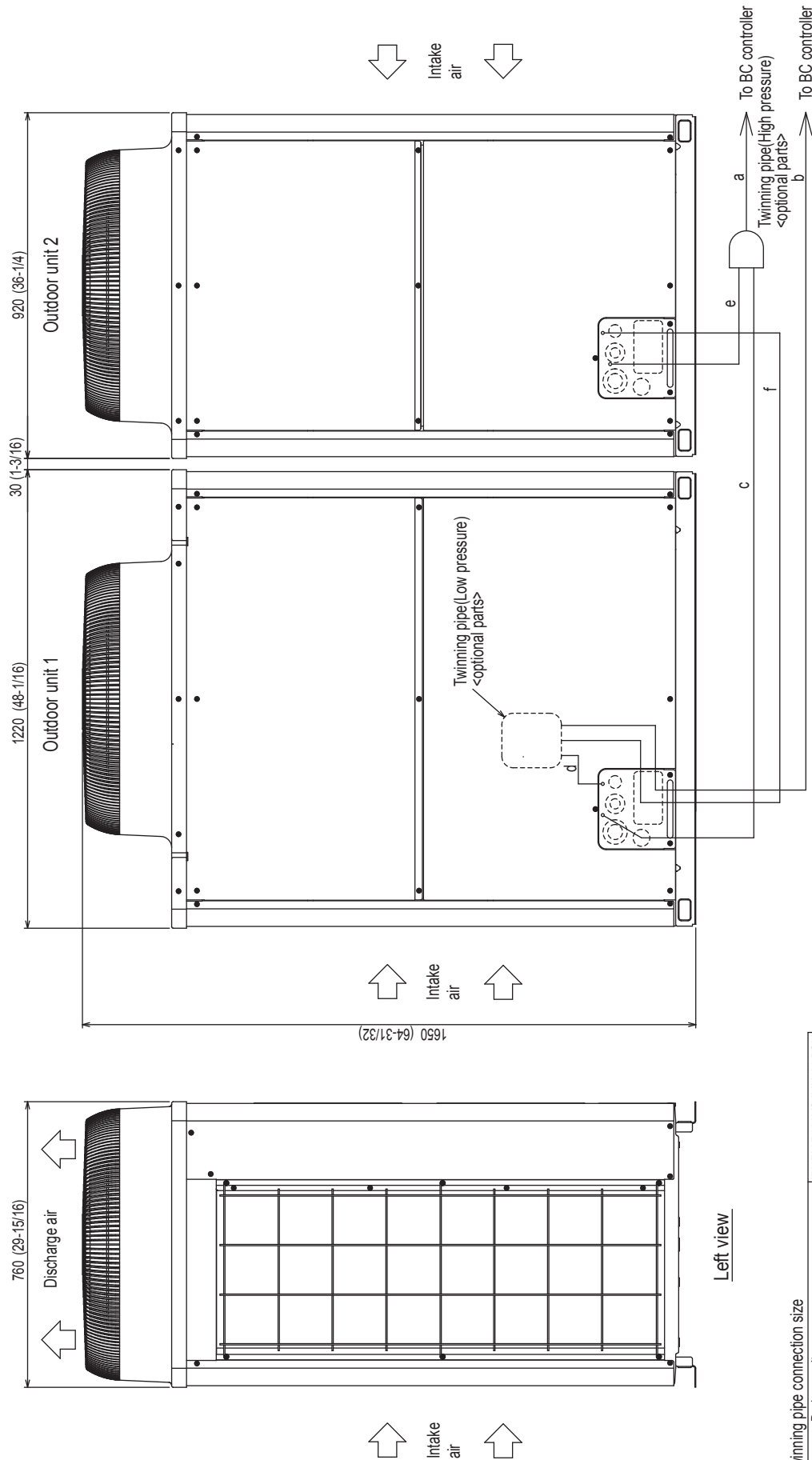
2. Foundation work

- 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 and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.



PURY-P168YSJMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

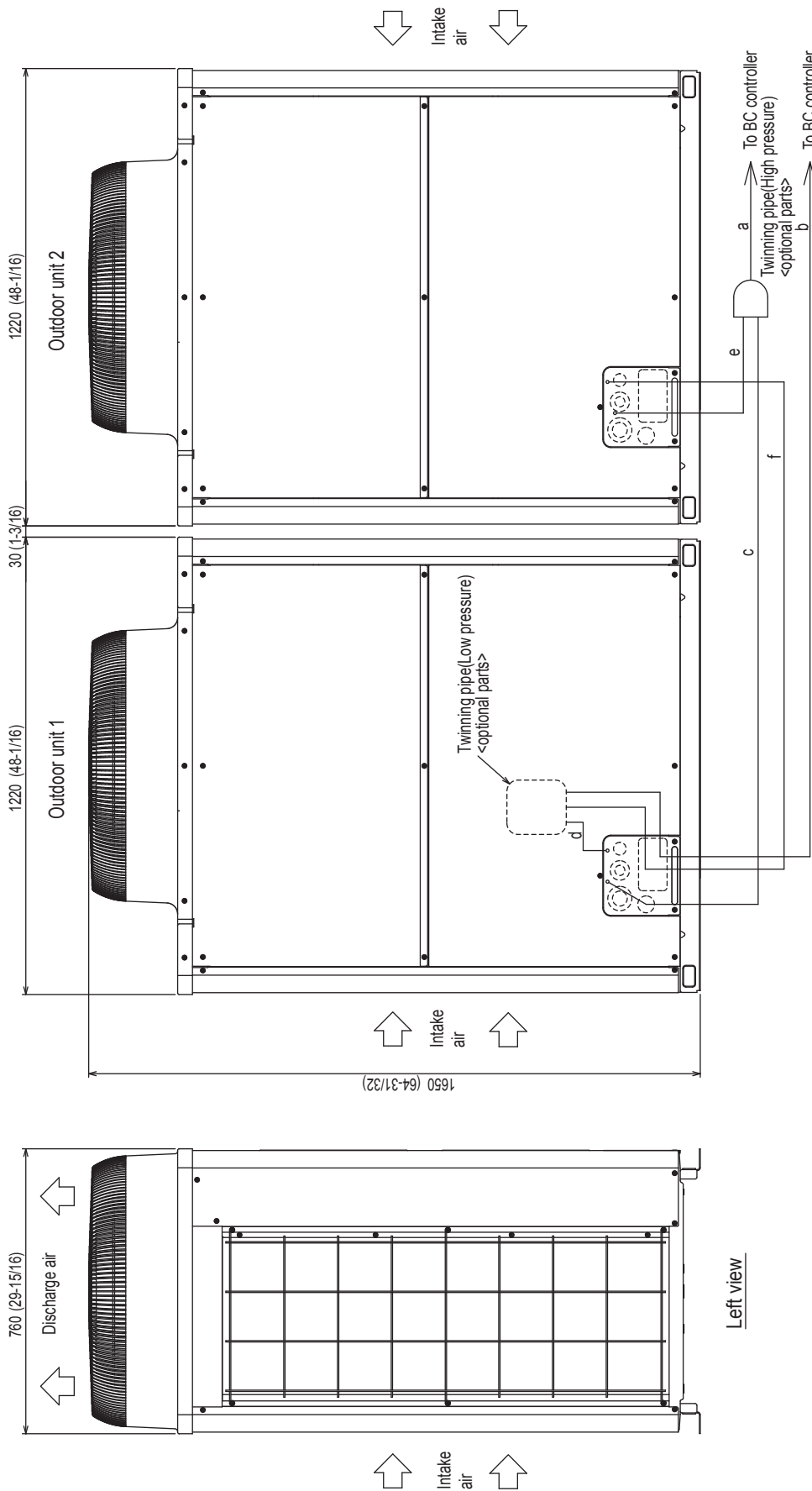
Package unit name	PURY-P168YSJMU-A(-BS)	
Component unit name	Outdoor unit 1	PURY-P96YJMU-A(-BS)
	Outdoor unit 2	PURY-P72YJMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-R100VBK	
BC controller~ Twinning pipe	High pressure	a
	Low pressure	b
		ø22.2(7/8)
		ø28.58(1-1/8)

Twinning pipe~Outdoor unit	Unit model	High pressure	Low pressure
		c or e	d or f
	P72	ø15.88(5/8)	ø19.05(3/4)
	P96	ø19.05(3/4)	ø22.2(7/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

PURY-P192YSJMU-A(-BS)

Unit : mm(in.)



Front view

Twining pipe- Outdoor unit	High pressure core	Low pressure core
	ø19.05(3/4)	ø22.2(7/8)
Unit model	P96	

Twining pipe connection size

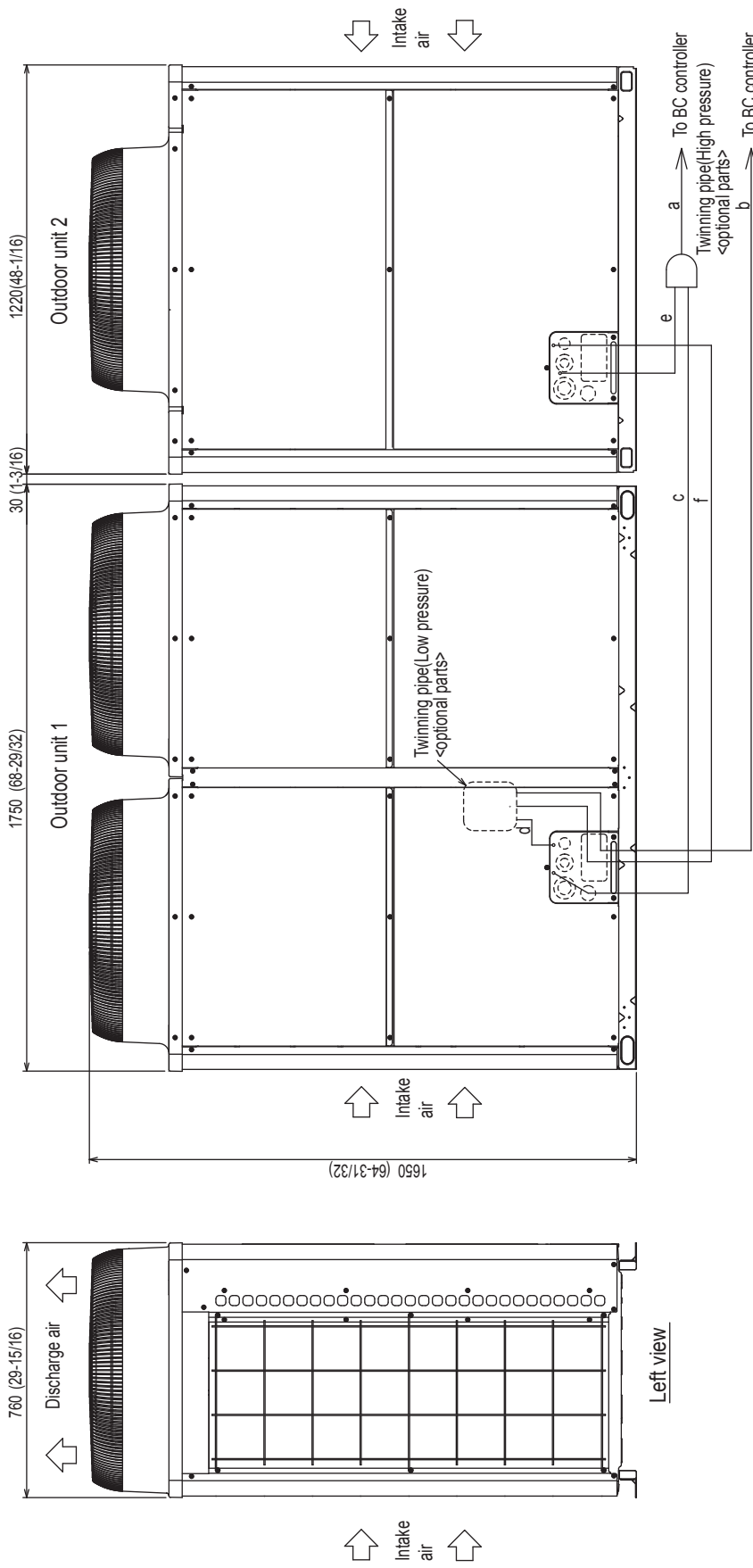
Package unit name	PURY-P192YSJMU-A(-BS)	
Component unit name	Outdoor unit 1	PURY-P96YJMU-A(-BS)
	Outdoor unit 2	PURY-P96YJMU-A(-BS)
Outdoor Twining Kit(optional parts)	CMY-R100V/BK	
BC controller- Twining pipe	High pressure	a
	Low pressure	b
		ø22.2(7/8)
		ø28.58(1-1/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twining pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twining pipe installation.
3. The pipe section before the Twining pipe (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 Twining pipe).
4. Only use the Twining pipe by Mitsubishi (optional parts).

R2

PURY-P216YSJMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

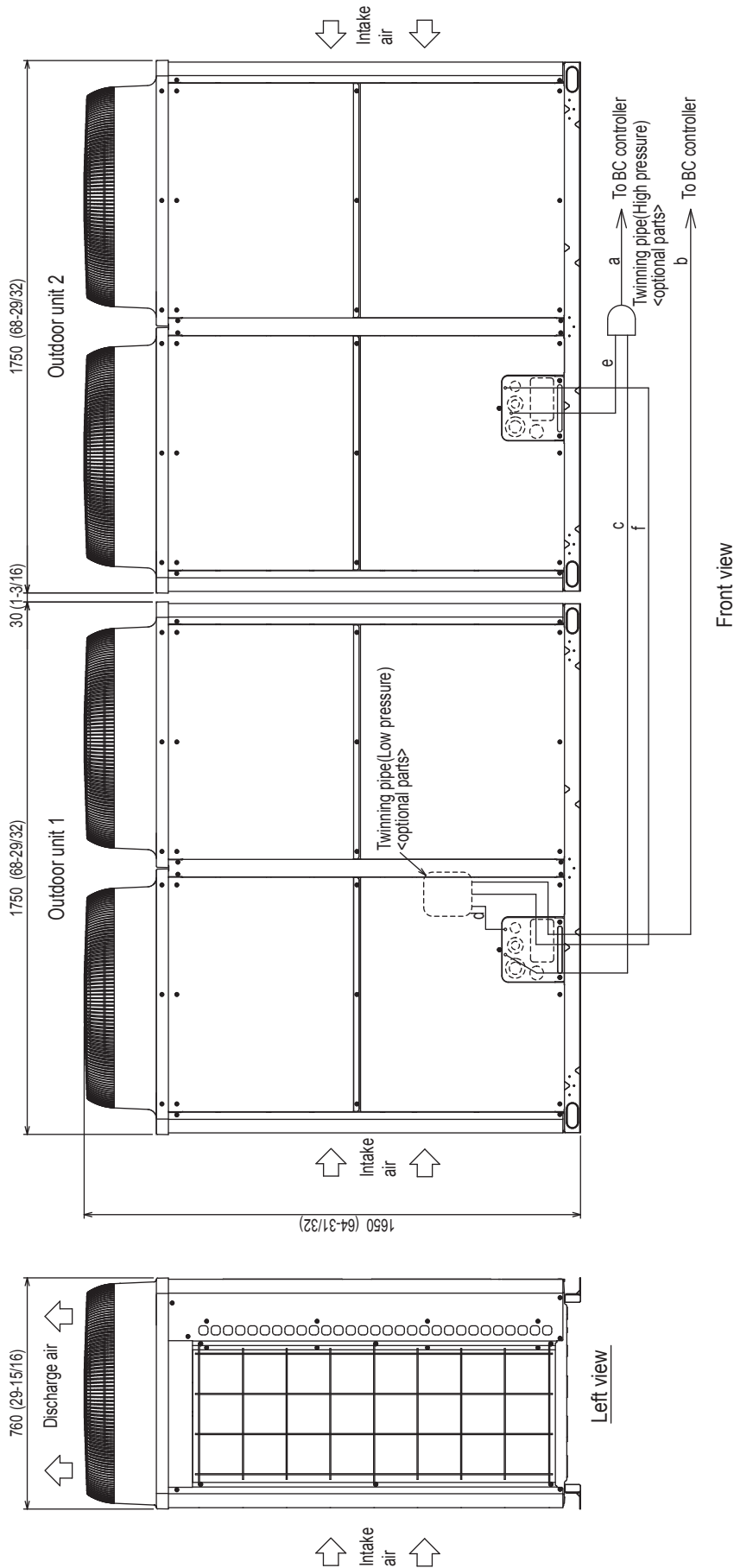
Package unit name	PURY-P216YSJMU-A(-BS)	
Component unit name	Outdoor unit 1	PURY-P120YJMU-A(-BS)
	Outdoor unit 2	PURY-P96YJMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-FR100XLVBK	
BC controller~ Twinning pipe	High pressure	a ø28.58(1-1/8)
	Low pressure	b ø28.58(1-1/8)

Twinning pipe~Outdoor unit	Unit model	High pressure core	Low pressure d or f
	P96	ø19.05(3/4)	ø22.2(7/8)
P120	ø19.05(3/4)	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. Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. 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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

PURY-P240,264,288YSJMU-A(-BS)

Unit : mm(in.)



Front view

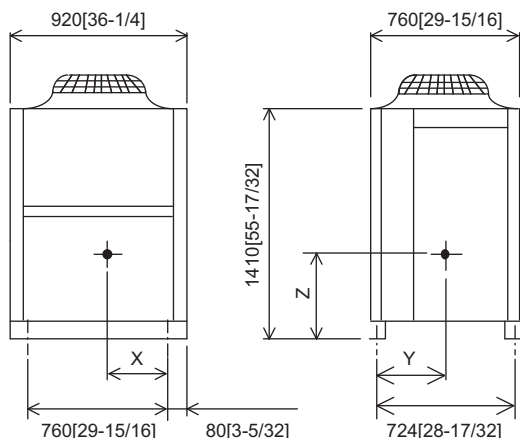
Twinning pipe connection size

Package unit name	PURY-P240YSJMU-A(-BS)	PURY-P264YSJMU-A(-BS)	PURY-P288YSJMU-A(-BS)
Outdoor unit 1	PURY-P120YSJMU-A(-BS)	PURY-P144YSJMU-A(-BS)	PURY-P144YSJMU-A(-BS)
Outdoor unit 2	PURY-P120YSJMU-A(-BS)	PURY-P120YSJMU-A(-BS)	PURY-P144YSJMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMV-R100XLVBK		
BC controller~Twinning pipe	High pressure	ø28.58(1-1/8)	
	Low pressure	ø34.93(1-3/8)	

Twinning pipe-Outdoor unit	Unit model	High pressure core	Low pressure d of
P120	P144	ø19.05(3/4)	ø28.58(1-1/8)
		ø22.2(7/8)	ø28.58(1-1/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

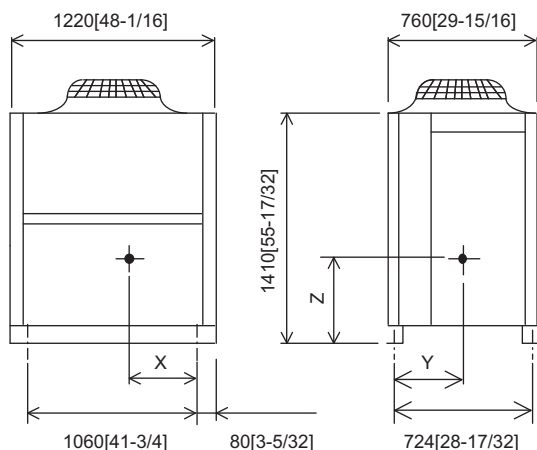
PURY-P72TJMU-A (-BS)
PURY-P72YJMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PURY-P72TJMU-A (-BS)	345[13-19/32]	332[13-3/32]	595[23-7/16]
PURY-P72YJMU-A (-BS)	338[13-5/16]	325[12-13/16]	608[23-15/16]

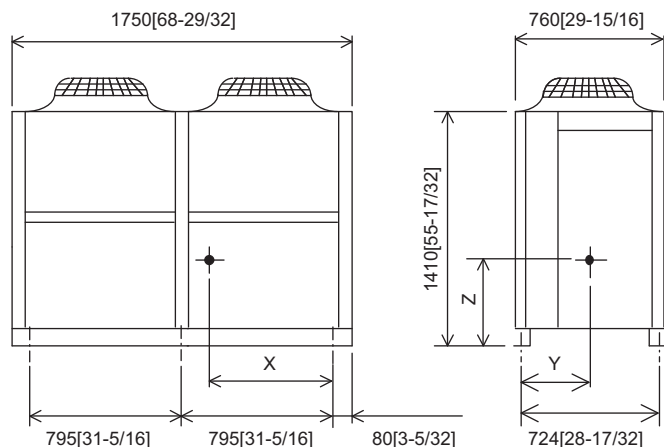
PURY-P96TJMU-A (-BS)
PURY-P96YJMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PURY-P96TJMU-A (-BS)	450[17-23/32]	322[12-11/16]	570[22-15/32]
PURY-P96YJMU-A (-BS)	440[17-11/32]	315[12-13/32]	583[22-31/32]

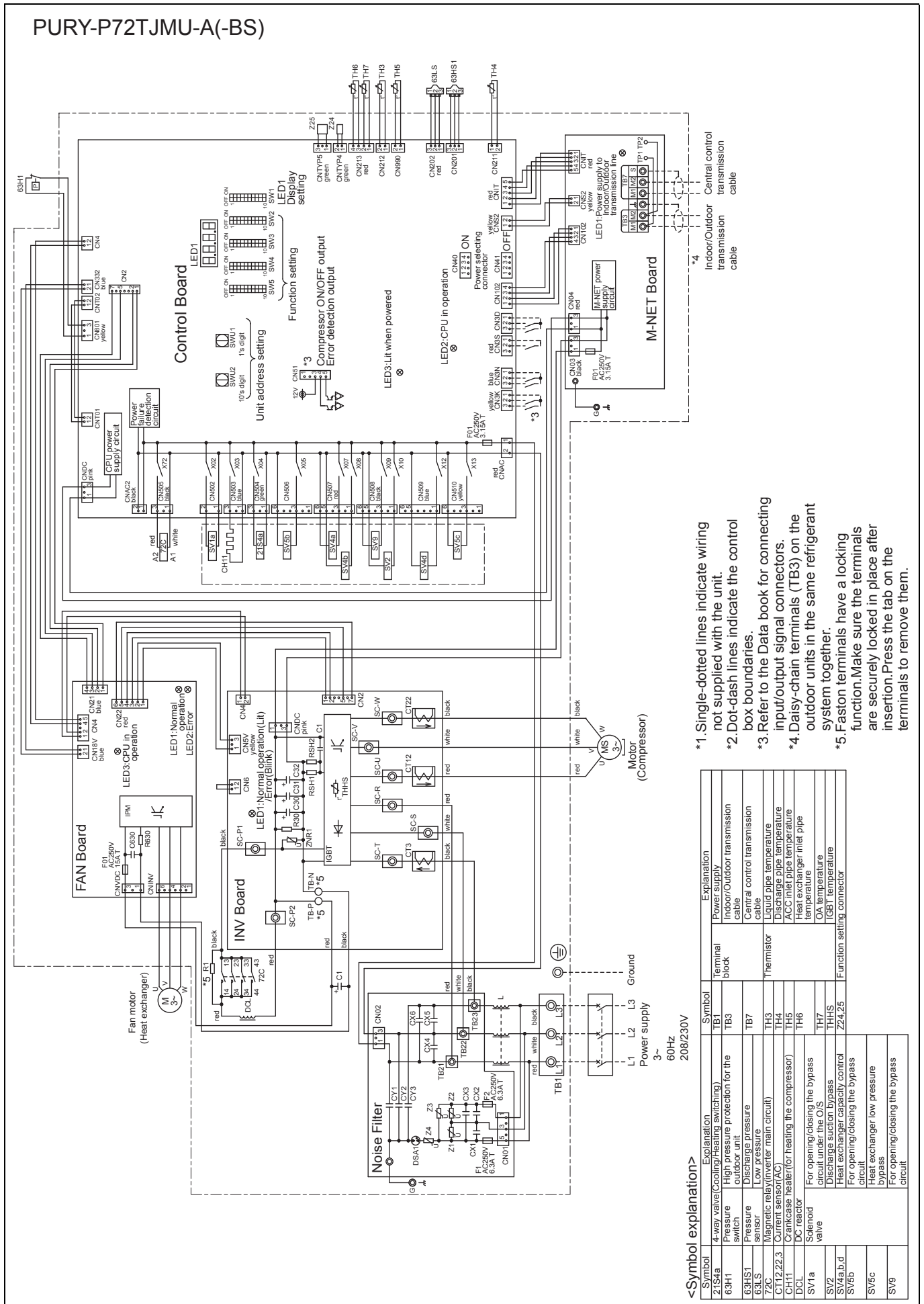
PURY-P120, 144TJMU-A (-BS)
PURY-P120, 144YJMU-A (-BS)



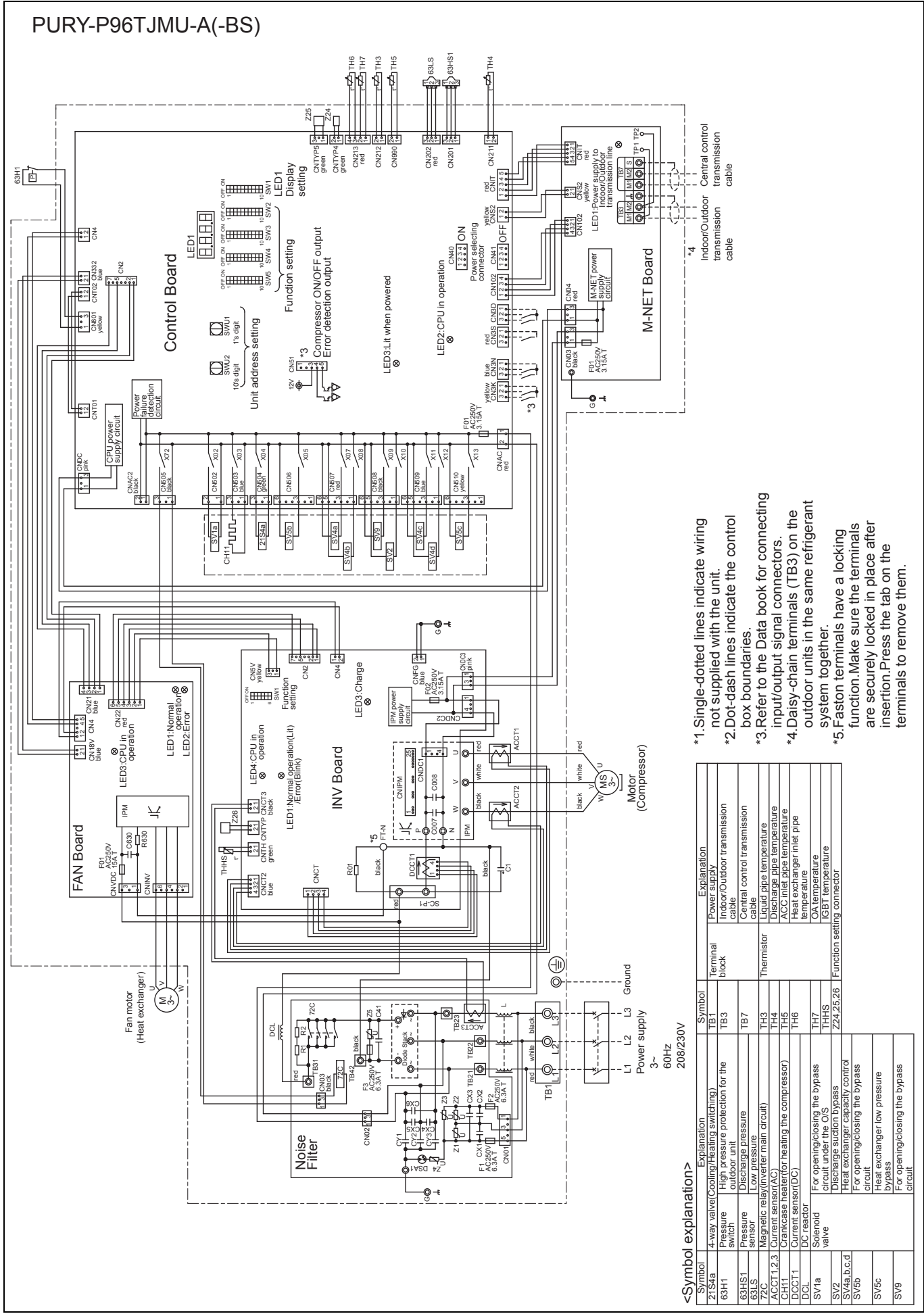
Unit : mm[in.]

Model	X	Y	Z
PURY-P120TJMU-A (-BS)	726[28-19/32]	318[12-17/32]	668[26-10/32]
PURY-P144TJMU-A (-BS)	726[28-19/32]	318[12-17/32]	668[26-10/32]
PURY-P120YJMU-A (-BS)	756[29-25/32]	310[12-7/32]	654[25-24/32]
PURY-P144YJMU-A (-BS)	756[29-25/32]	310[12-7/32]	654[25-24/32]

R2



PURY-P96TJMU-A(-BS)

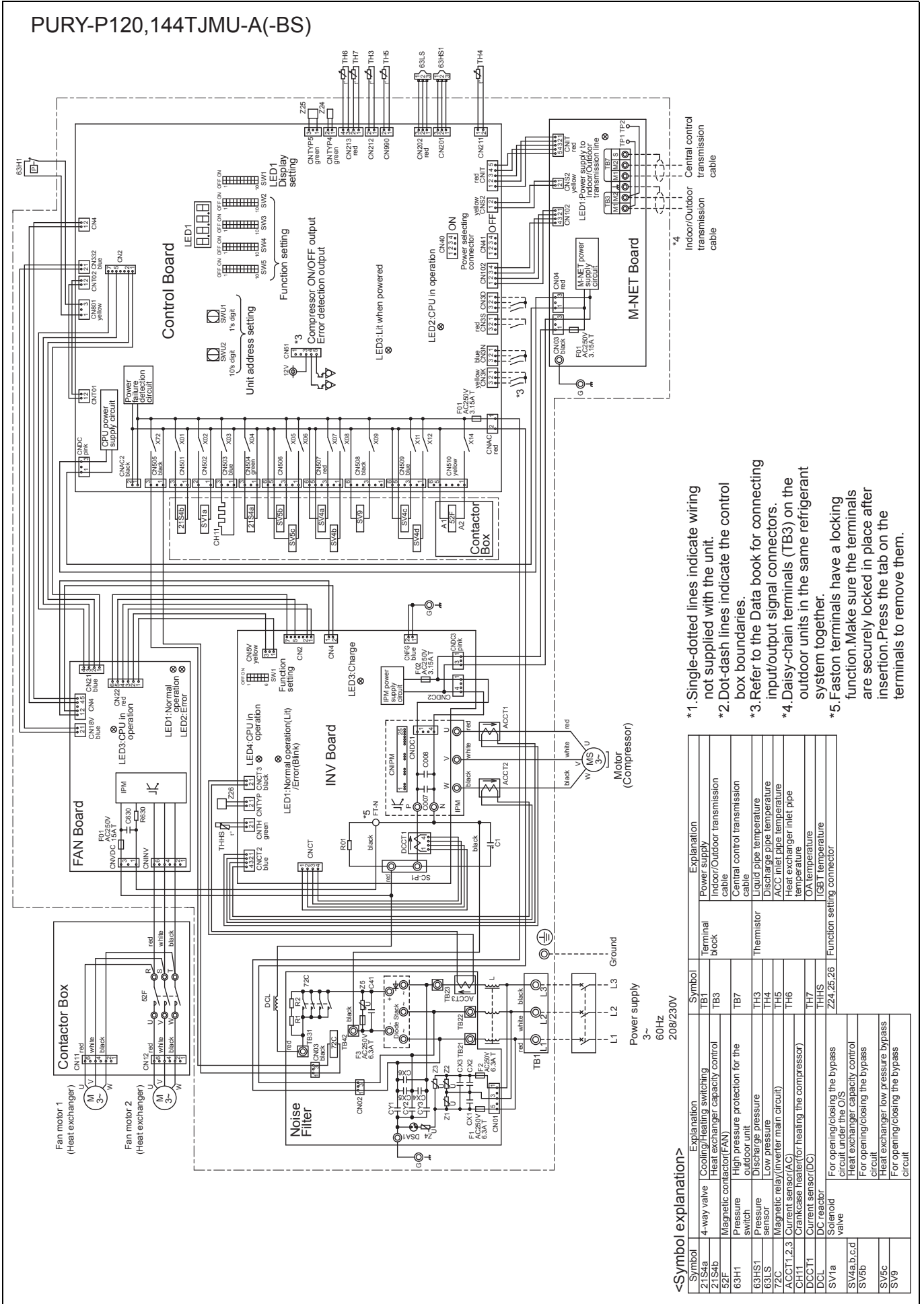


R2

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

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
21S4a	4-way valve(Cooling/Heating switching)	TB1	Power supply
63H1	Pressure switch	TB3	Indoor/Outdoor transmission cable
63LS	Pressure sensor	TB7	Central control transmission cable
ZC	Discharge pressure	TH3	Liquid pipe temperature
ACCT1,2,3	Magnetic relay(inverter main circuit)	TH4	Discharge pipe temperature
GH11	Current sensor(AC)	TH5	ACC inlet pipe temperature
DCCT1	Grankcase heater(for heating the compressor)	TH6	Heat exchanger inlet pipe temperature
DCL	DC reactor	TH7	OA temperature
SV1a	Solenoid valve	THHS	IGBT temperature
SV2	For opening/closing the bypass circuit under the OIS	Z24,25,26	Function setting connector
SV4a,b,c,d	Discharge suction bypass		
SV5b	Heat exchanger capacity control		
SV5c	For opening/closing the bypass circuit		
SV9	Heat exchanger/low pressure bypass		
	For opening/closing the bypass circuit		

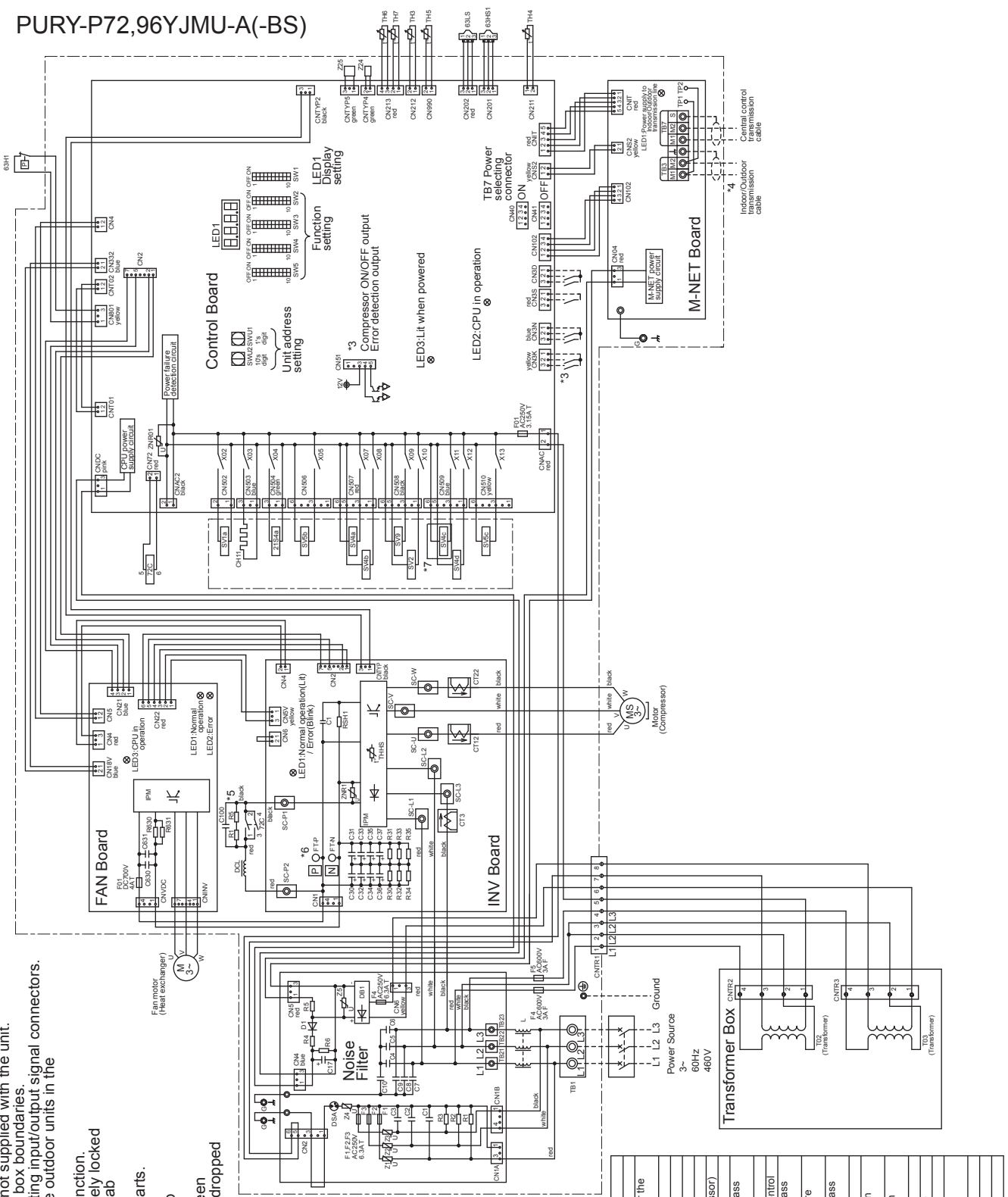


- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
-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

<Symbol explanation>

R2

PURY-P72,96YJMU-A(-BS)



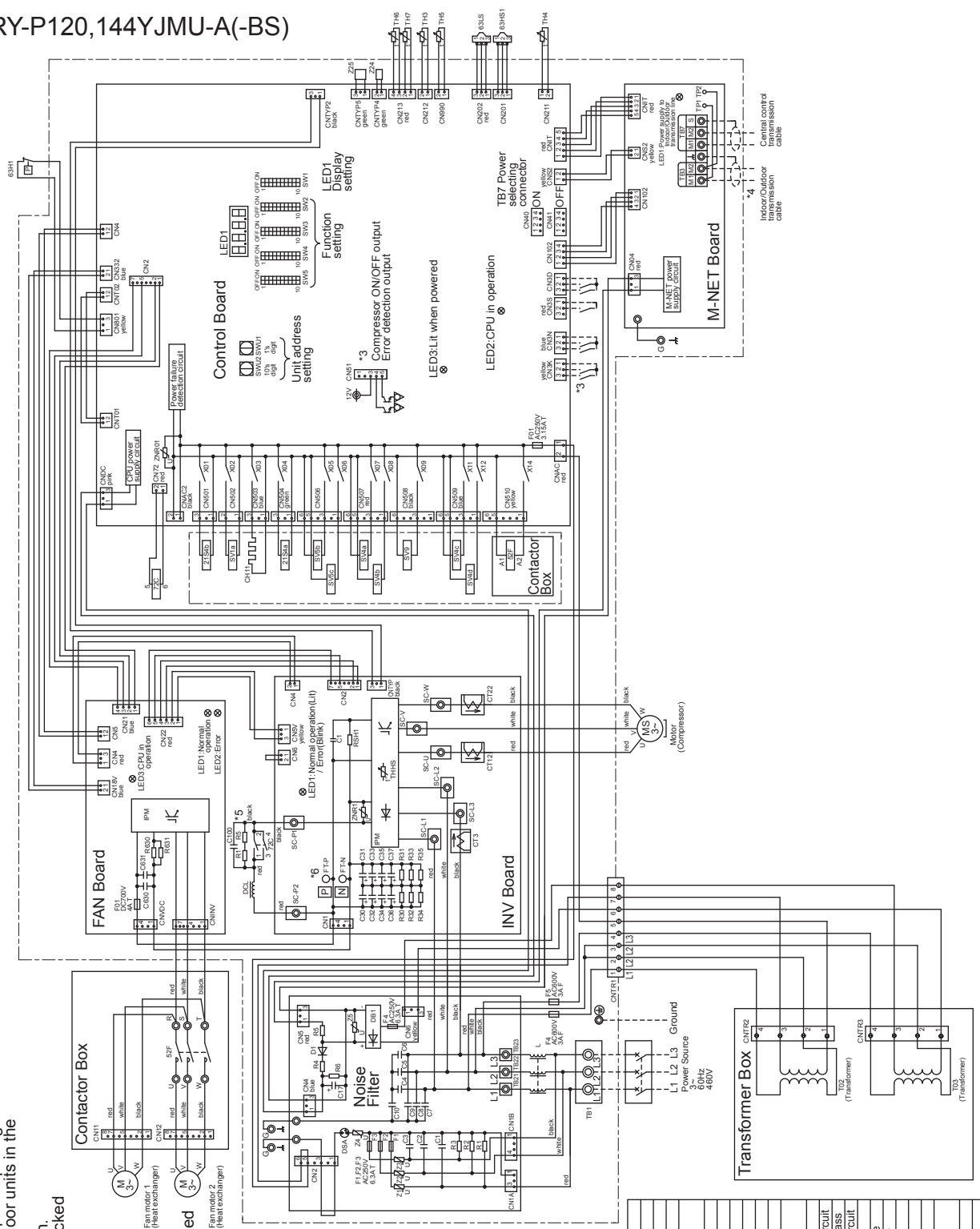
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
-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

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

<Symbol explanation>

Symbol	Explanation
Z1S4a	4-way valve (Cooling/Heating switching)
63H1	High pressure protection for the outdoor unit
63HS1	Pressure switch
63LS	Pressure sensor
72C	Low pressure
CT12.22.3	Magnetic relay (inverter main circuit)
CH11	Current sensor (AC)
DCR	Crankcase heater (for heating the compressor)
SV1a	DC reactor
SV2	Solenoid valve
SV4a,b,c,d	For opening/closing the bypass circuit under the O/S
SV5b	Discharge suction bypass
SV5d	Heat exchanger capacity control
SV5e	For opening/closing the bypass circuit
SV5c	Heat exchanger low pressure
SV9	bypass
TB1	For opening/closing the bypass circuit
TB3	Power supply terminal block
TB7	Indoor/Outdoor transmission cable
TH3	Central control transmission cable
TH4	Liquid pipe temperature
TH5	Evaporator pipe temperature
TH6	ACC inlet pipe temperature
TH7	Heat exchanger inlet pipe temperature
TH8	OA temperature
TH9	GBT temperature
Z24.25	Function setting connector

PURY-P120,144YJMU-A(-BS)



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

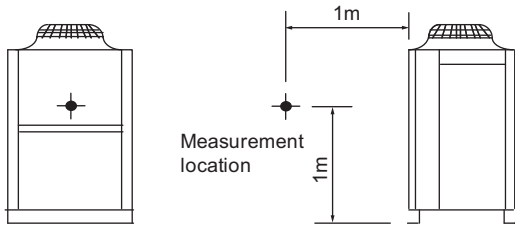
<Symbol explanation>

Symbol	Explanation
21S4a	Cooling/Heating switching
21S4b	Heat exchanger capacity control
52F	Magnetic contactor(FAN)
63H1	Pressure switch
63HS1	High pressure protection for the outdoor unit
63LS	Discharge pressure sensor
72C	Low pressure sensor
CT12,22,3	Magnetic relay(inverter main circuit)
CH11	Current sensor(AC)
DCL	Crankcase heater(for heating the compressor)
SV1a	DC reactor
SV4a,b,c,d	Solenoid valve
SV5b	For opening/closing the bypass circuit under the O/S
SV5c	Heat exchanger capacity control
SV5d	For opening/closing the bypass circuit
SV9	Heat exchanger low pressure bypass
TB1	For opening/closing the bypass circuit
TB3	Power supply
TB7	Indoor/Outdoor transmission cable
TH3	Central control transmission cable
TH4	Thermistor
TH5	Liquid pipe temperature
TH6	Discharge pipe temperature
TH7	ACC inlet pipe temperature
TH8	Heat exchanger inlet pipe temperature
TH9	OA temperature
TH10	IGBT temperature
Z24,25	Function setting connector

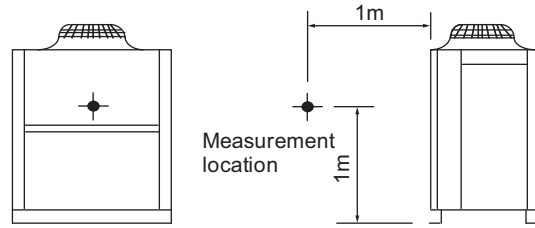
R2

R2

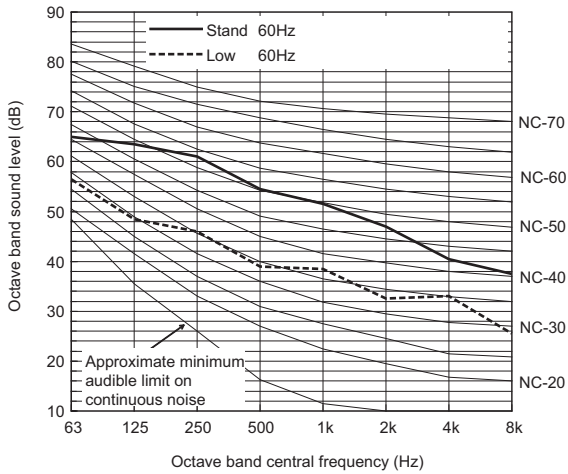
Measurement condition
PURY-P72TJMU/YJMU



Measurement condition
PURY-P96TJMU/YJMU



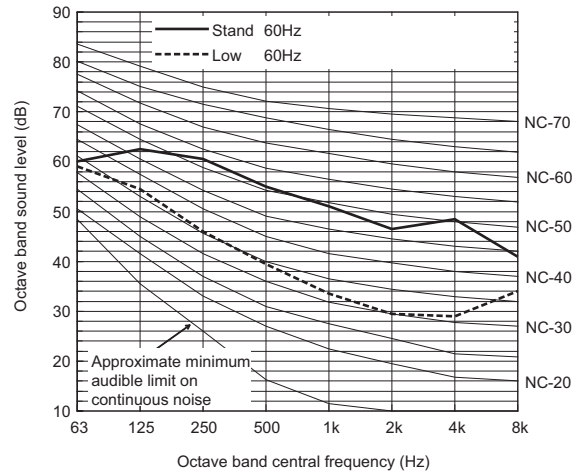
Sound level of PURY-P72T/YJMU-A(-BS)



		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-P96T/YJMU-A(-BS)

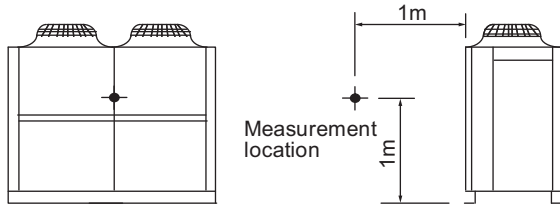


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	60.0	62.5	60.5	55.0	51.0	46.5	48.5	41.0	58.0
Low noise mode	60Hz	59.0	54.5	46.0	39.5	33.5	29.5	29.0	34.0	44.0

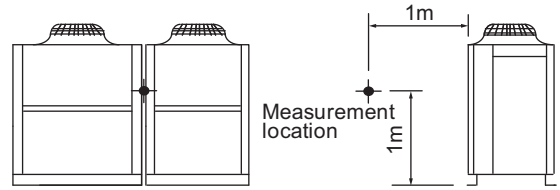
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

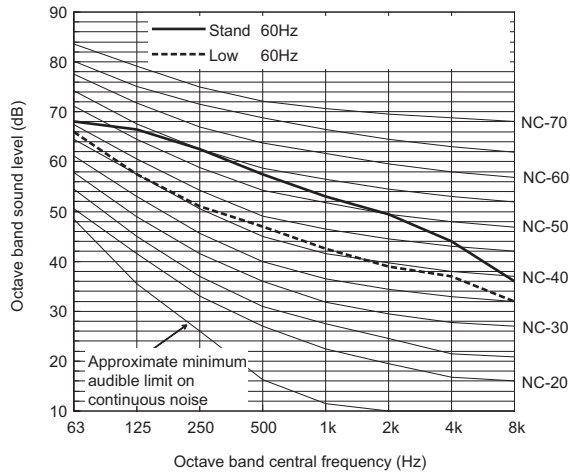
Measurement condition
PURY-P120,144TJMU/YJMU



Measurement condition
PURY-P168TSJMU/YSJMU



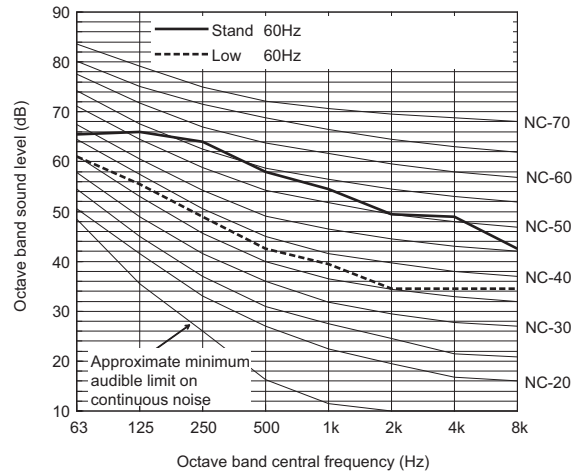
Sound level of PURY-P120T/YJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	68.0	66.5	62.5	57.5	53.0	49.5	44.0	36.0	60.0
Low noise mode	60Hz	66.0	57.5	51.0	47.0	42.5	39.0	37.0	32.0	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.

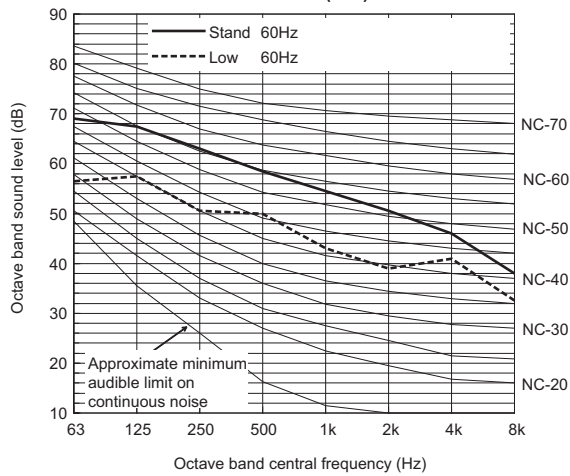
Sound level of PURY-P168T/YSJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.5	66.0	64.0	58.0	54.5	49.5	49.0	42.5	61.0
Low noise mode	60Hz	61.0	55.5	49.0	42.5	39.5	34.5	34.5	34.5	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-P144T/YJMU-A(-BS)

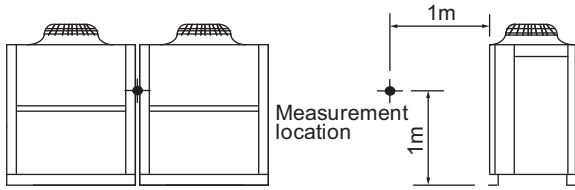


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	69.0	67.5	63.0	58.5	54.5	50.5	46.0	38.0	61.0
Low noise mode	60Hz	56.5	57.5	50.5	50.0	43.0	39.0	41.0	32.5	51.0

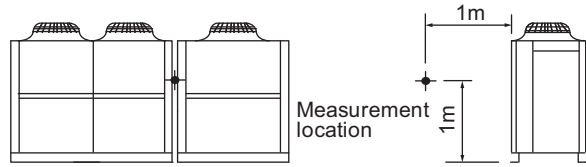
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

R2

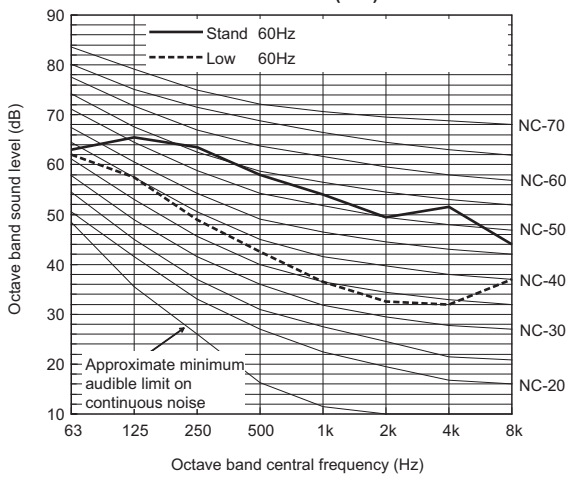
**Measurement condition
PURY-P192TSJMU/YSJMU**



**Measurement condition
PURY-P216TSJMU/YSJMU**



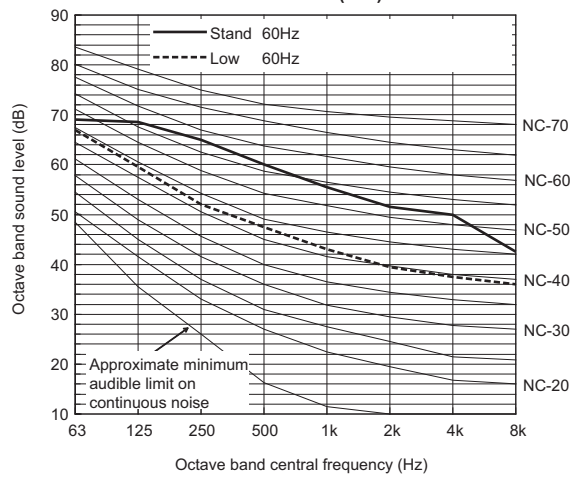
Sound level of PURY-P192T/YSJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	63.0	65.5	63.5	58.0	54.0	49.5	51.5	44.0	61.0
Low noise mode	60Hz	62.0	57.5	49.0	42.5	36.5	32.5	32.0	37.0	47.0

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

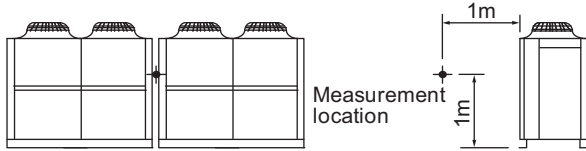
Sound level of PURY-P216T/YSJMU-A(-BS)



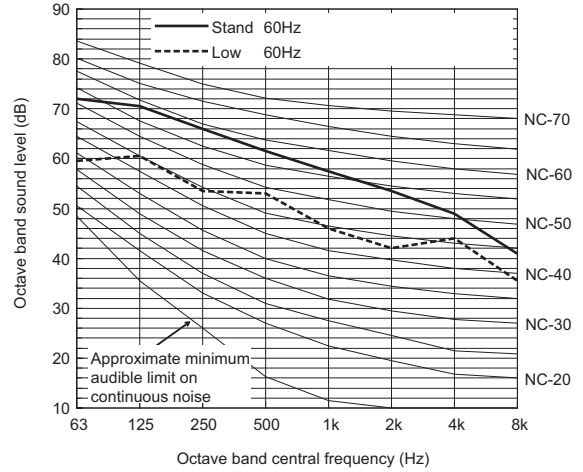
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	69.0	68.5	65.0	60.0	55.5	51.5	50.0	42.5	62.5
Low noise mode	60Hz	67.0	59.5	52.0	47.5	43.0	39.5	37.5	36.0	51.0

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

Measurement condition
PURY-P240,264,288TSJMU/YSJMU



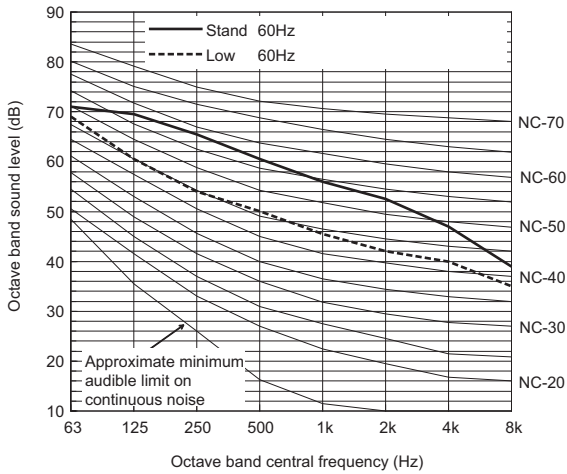
Sound level of PURY-P288T/YSJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.0	70.5	66.0	61.5	57.5	53.5	49.0	41.0	64.0
Low noise mode	60Hz	59.5	60.5	53.5	53.0	46.0	42.0	44.0	35.5	54.0

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.

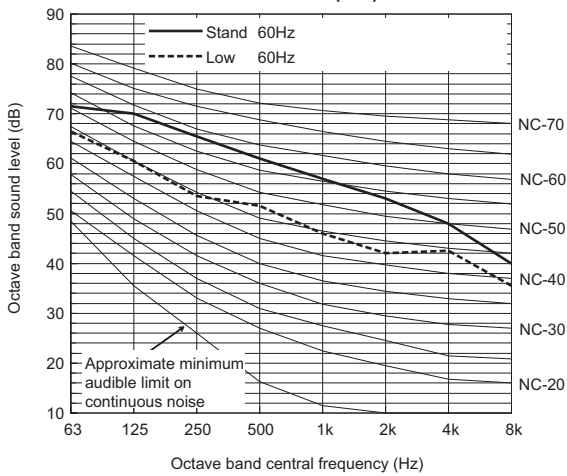
Sound level of PURY-P240T/YSJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.0	69.5	65.5	60.5	56.0	52.5	47.0	39.0	63.0
Low noise mode	60Hz	69.0	60.5	54.0	50.0	45.5	42.0	40.0	35.0	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-P264T/YSJMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.5	70.0	65.5	61.0	57.0	53.0	48.0	40.0	63.5
Low noise mode	60Hz	66.5	60.5	53.5	51.5	46.0	42.0	42.5	35.5	53.5

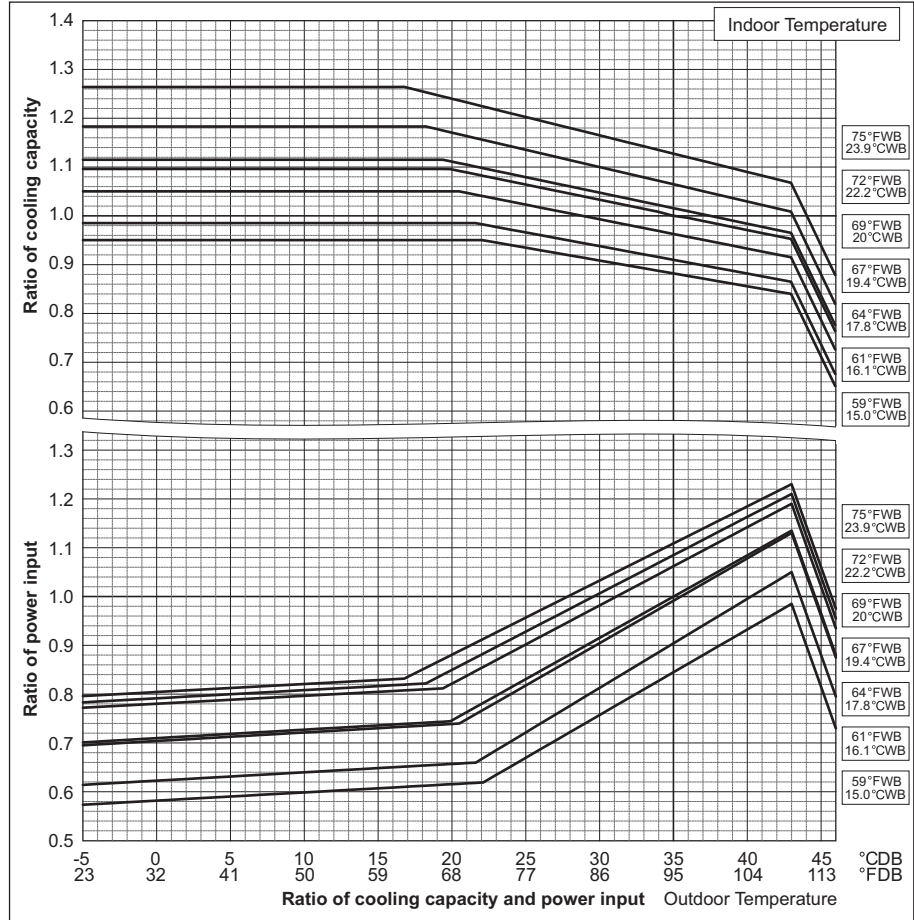
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6-1. 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.

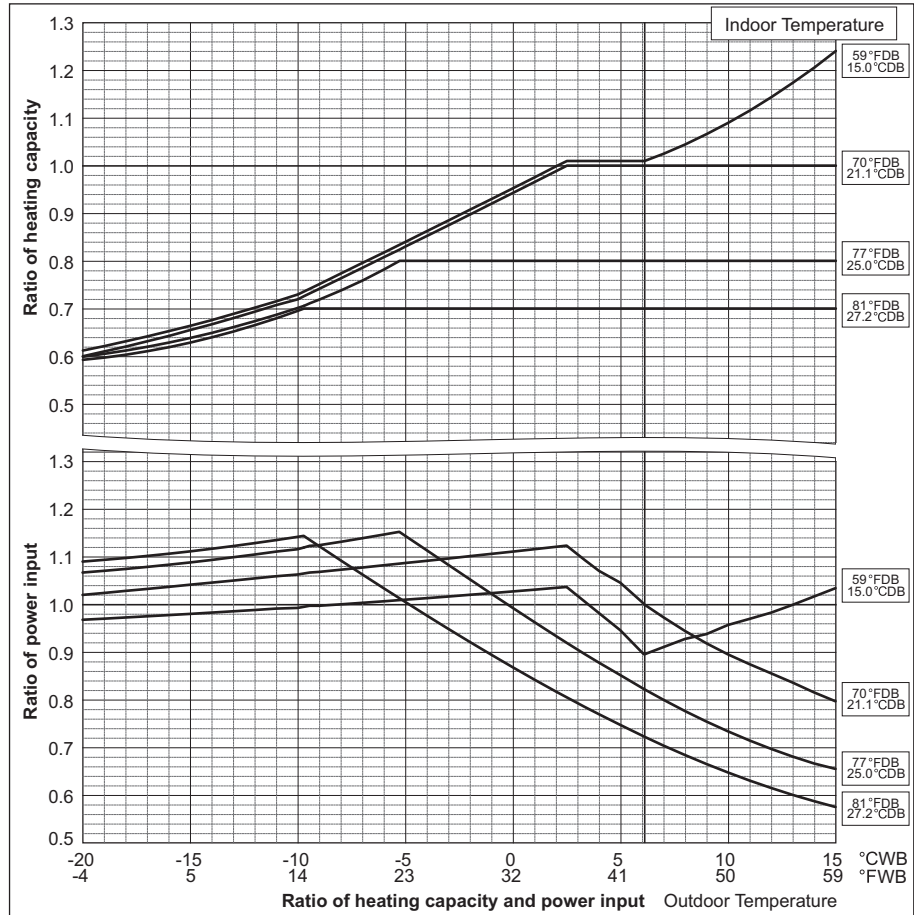
PURY-	P72TJMU	P96TJMU	
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.66	7.80

PURY-	P72YJMU	P96YJMU	
Nominal Cooling Capacity	kW	21.1	28.1
	BTU/h	72,000	96,000
Input	kW	5.66	7.80



PURY-	P72TJMU	P96TJMU	
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	6.16	8.66

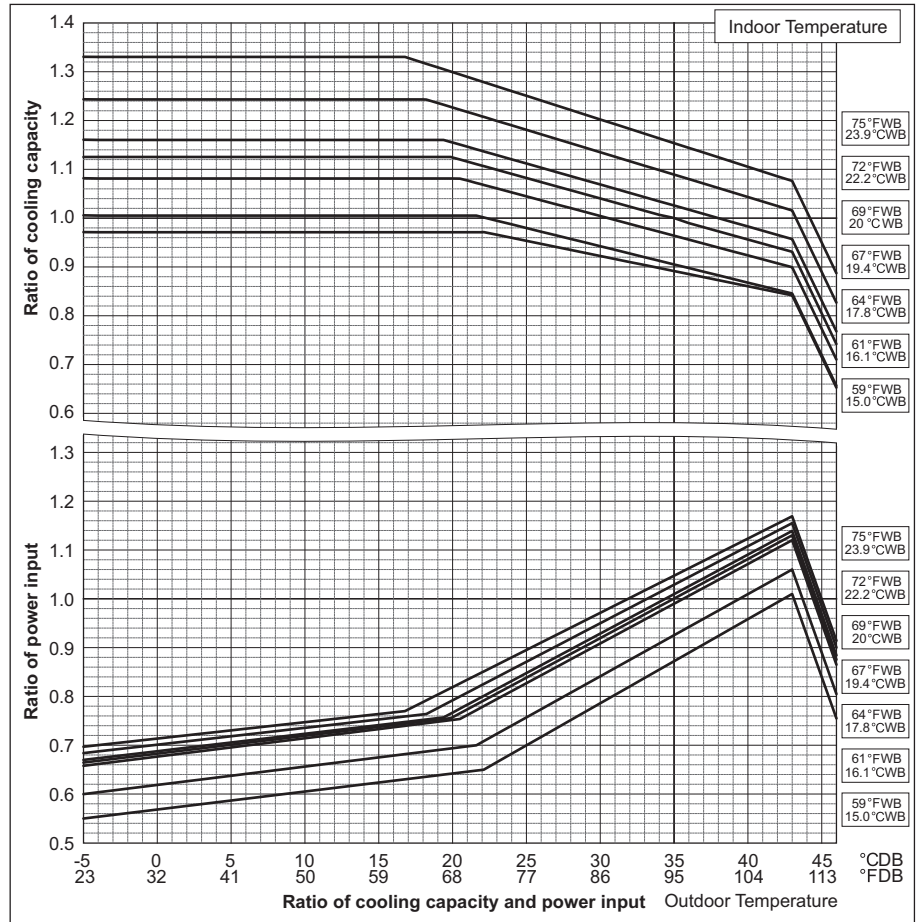
PURY-	P72YJMU	P96YJMU	
Nominal Heating Capacity	kW	23.4	31.7
	BTU/h	80,000	108,000
Input	kW	6.16	8.66



6. CAPACITY TABLES

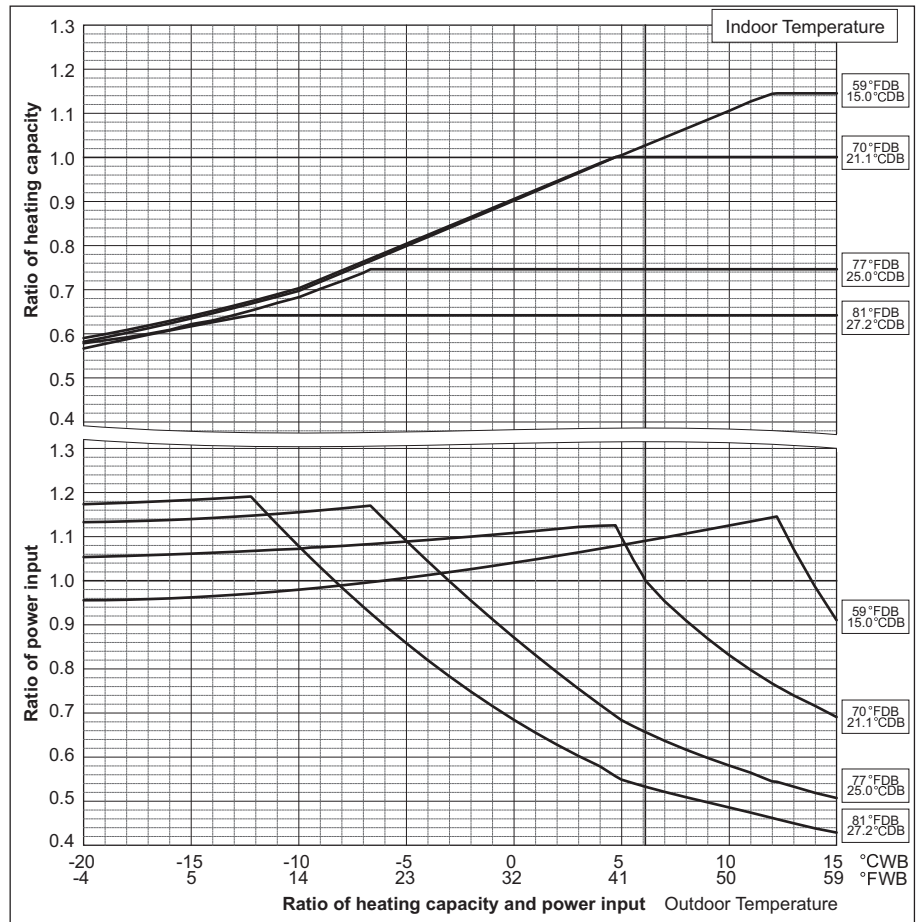
PURY-		P120TJMU
Nominal Cooling Capacity	kW	35.2
	BTU/h	120,000
Input	kW	9.99

PURY-		P120YJMU
Nominal Cooling Capacity	kW	35.2
	BTU/h	120,000
Input	kW	9.99



PURY-		P120TJMU
Nominal Heating Capacity	kW	39.6
	BTU/h	135,000
Input	kW	11.02

PURY-		P120YJMU
Nominal Heating Capacity	kW	39.6
	BTU/h	135,000
Input	kW	11.02

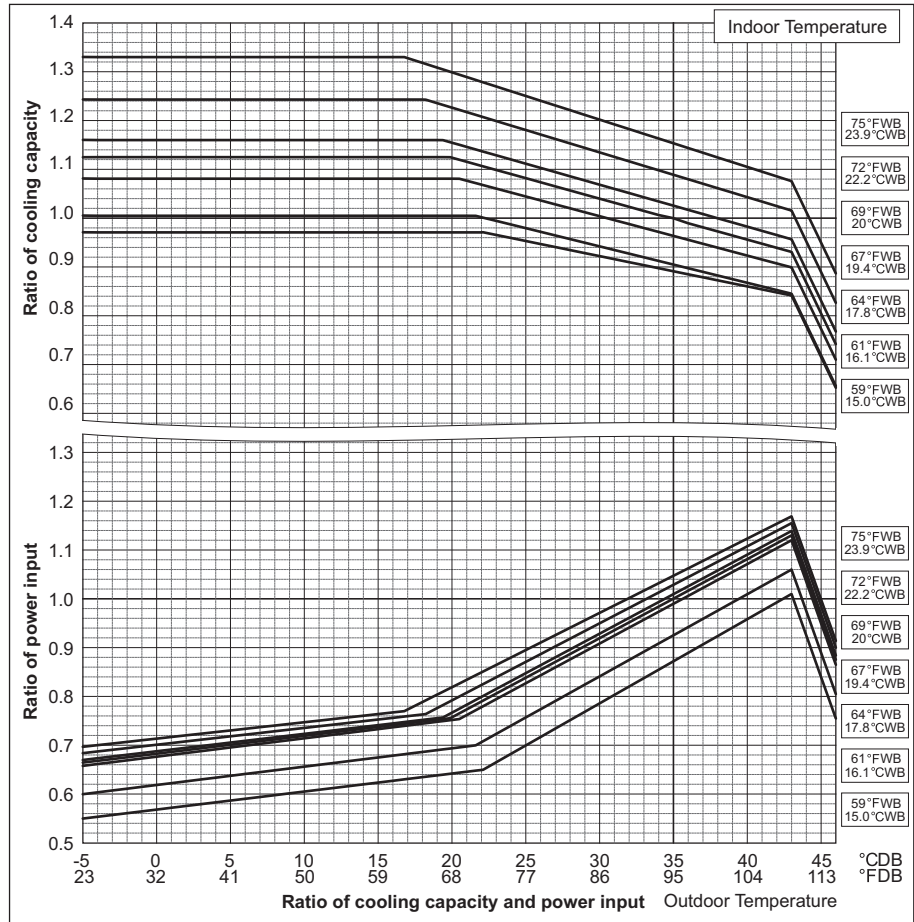


R2

6. CAPACITY TABLES

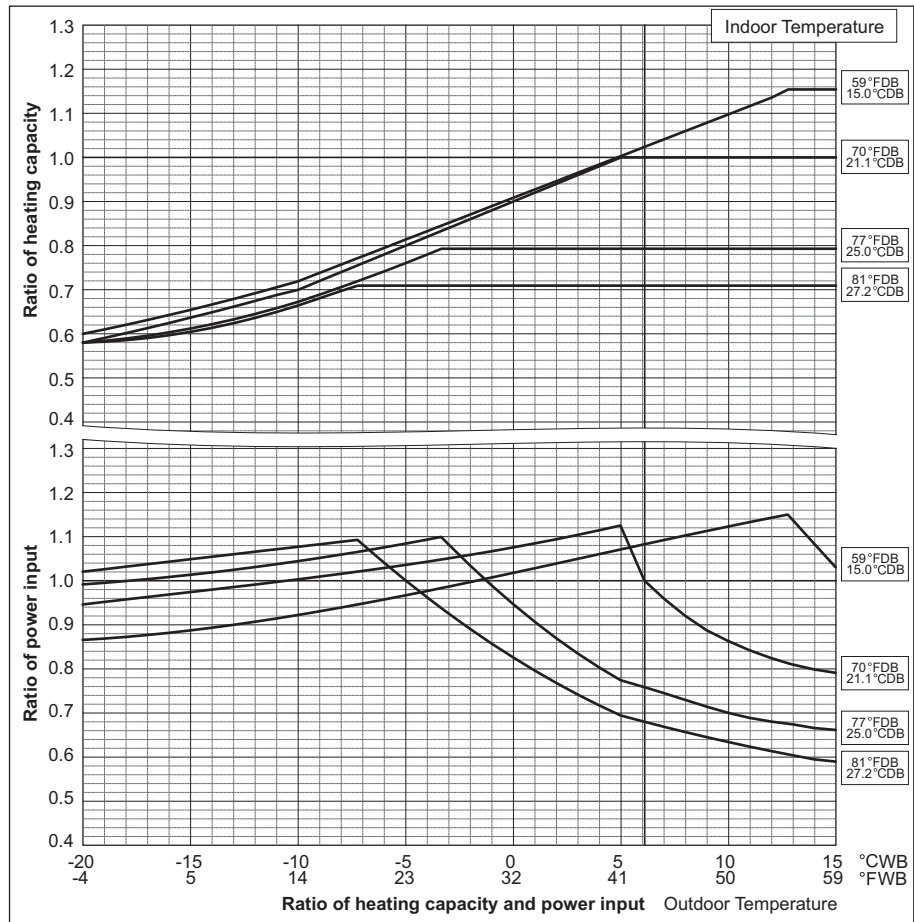
PURY-		P144TJMU	
Nominal Cooling Capacity	kW	42.2	
	BTU/h	144,000	
Input	kW	12.43	

PURY-		P144YJMU	
Nominal Cooling Capacity	kW	42.2	
	BTU/h	144,000	
Input	kW	12.43	



PURY-		P144TJMU	
Nominal Heating Capacity	kW	46.9	
	BTU/h	160,000	
Input	kW	13.20	

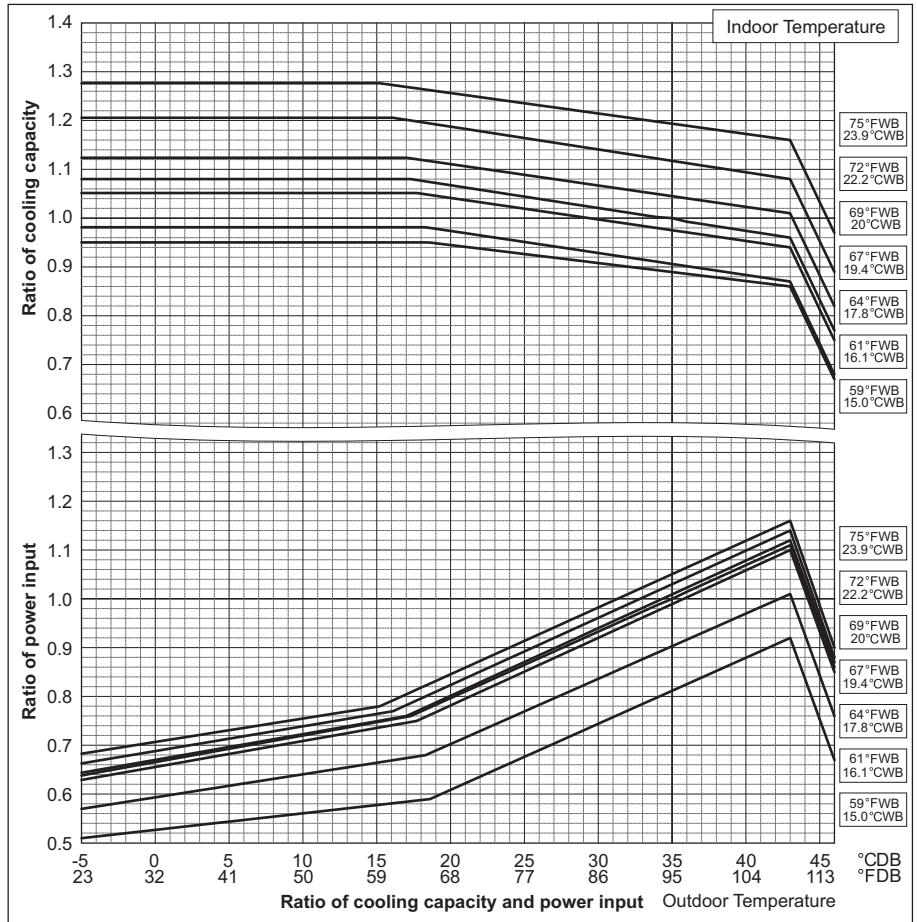
PURY-		P144YJMU	
Nominal Heating Capacity	kW	46.9	
	BTU/h	160,000	
Input	kW	13.20	



6. CAPACITY TABLES

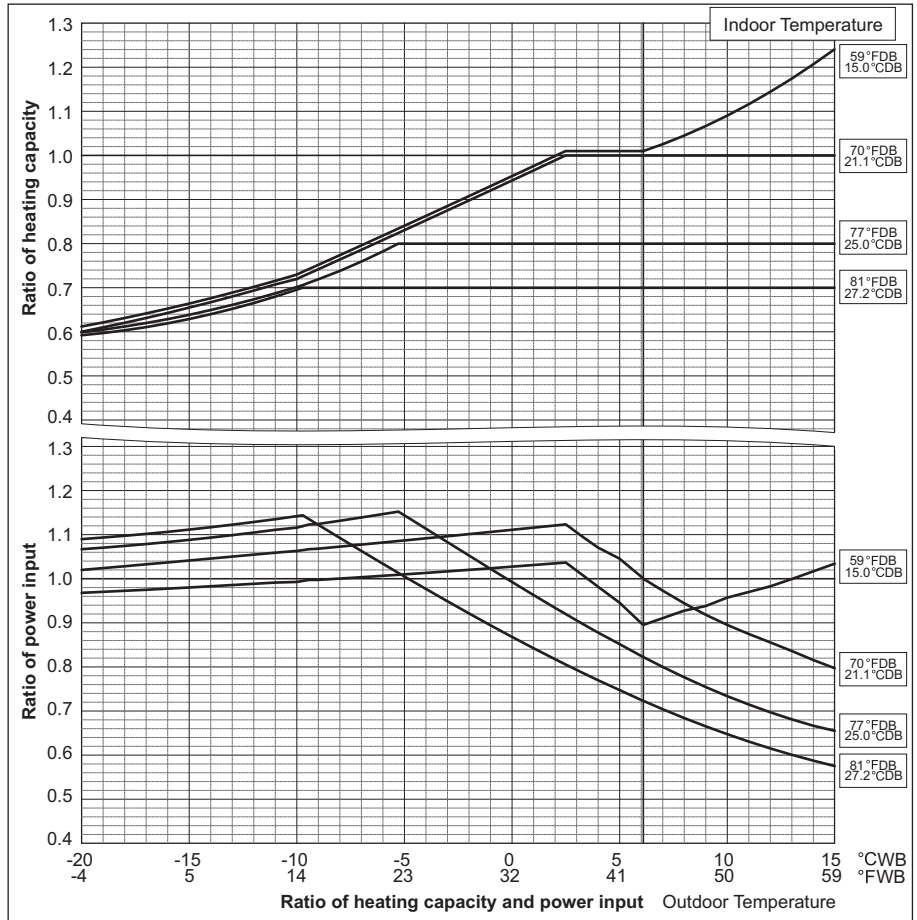
PURY-		P168TSJMU	P192TSJMU
Nominal Cooling Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	13.86	16.07

PURY-		P168YSJMU	P192YSJMU
Nominal Cooling Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	13.86	16.07



PURY-		P168TSJMU	P192TSJMU
Nominal Heating Capacity	kW	55.1	63.0
	BTU/h	188,000	215,000
Input	kW	15.26	17.84

PURY-		P168YSJMU	P192YSJMU
Nominal Heating Capacity	kW	55.1	63.0
	BTU/h	188,000	215,000
Input	kW	15.26	17.84

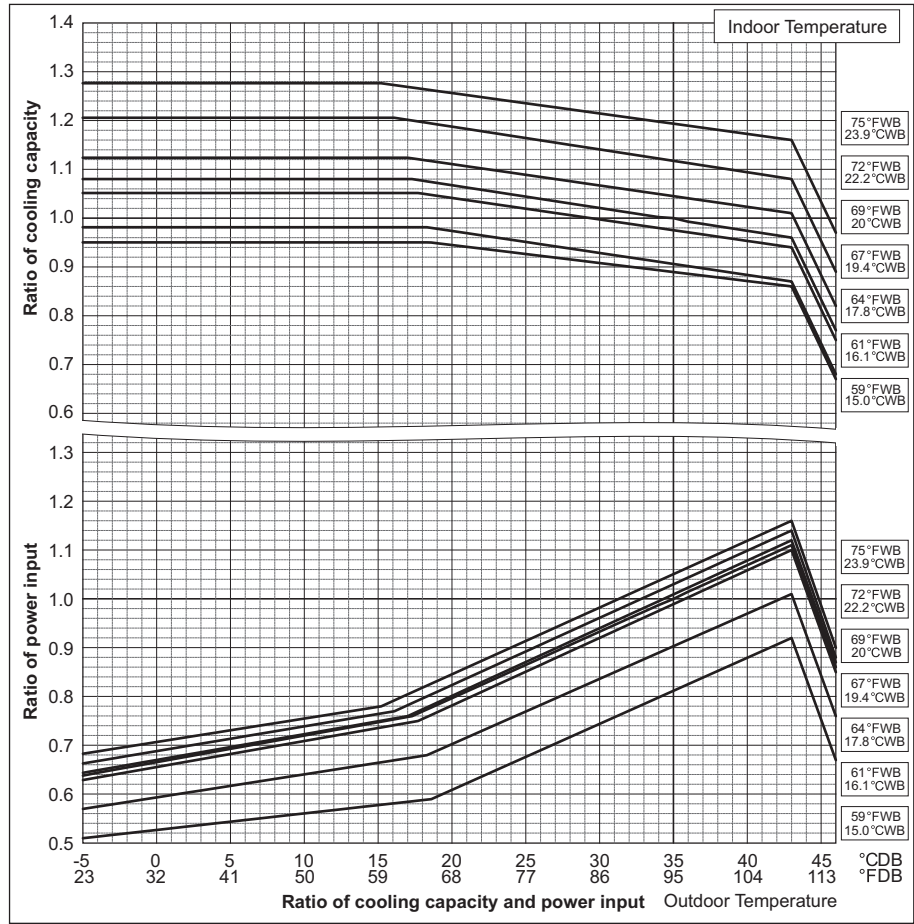


R2

6. CAPACITY TABLES

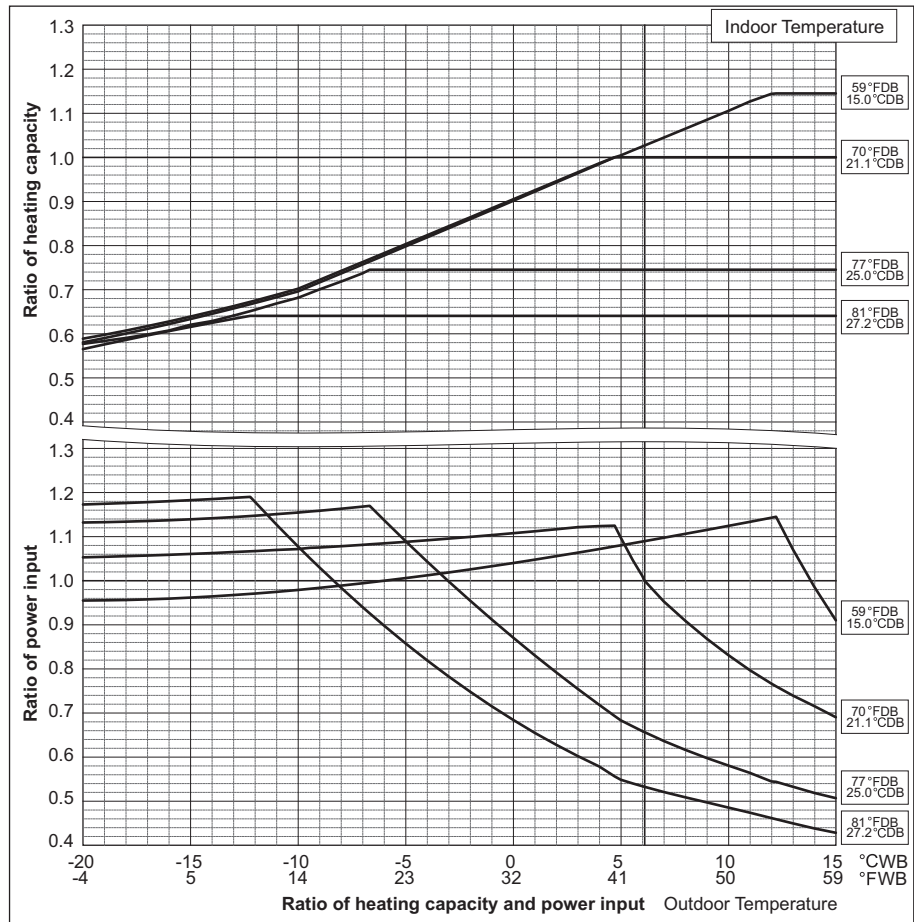
PURY-		P216TSJMU	P240TSJMU
Nominal Cooling Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	18.32	20.58

PURY-		P216YSJMU	P240YSJMU
Nominal Cooling Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	18.32	20.58



PURY-		P216TSJMU	P240TSJMU
Nominal Heating Capacity	kW	71.2	79.1
	BTU/h	243,000	270,000
Input	kW	20.27	22.70

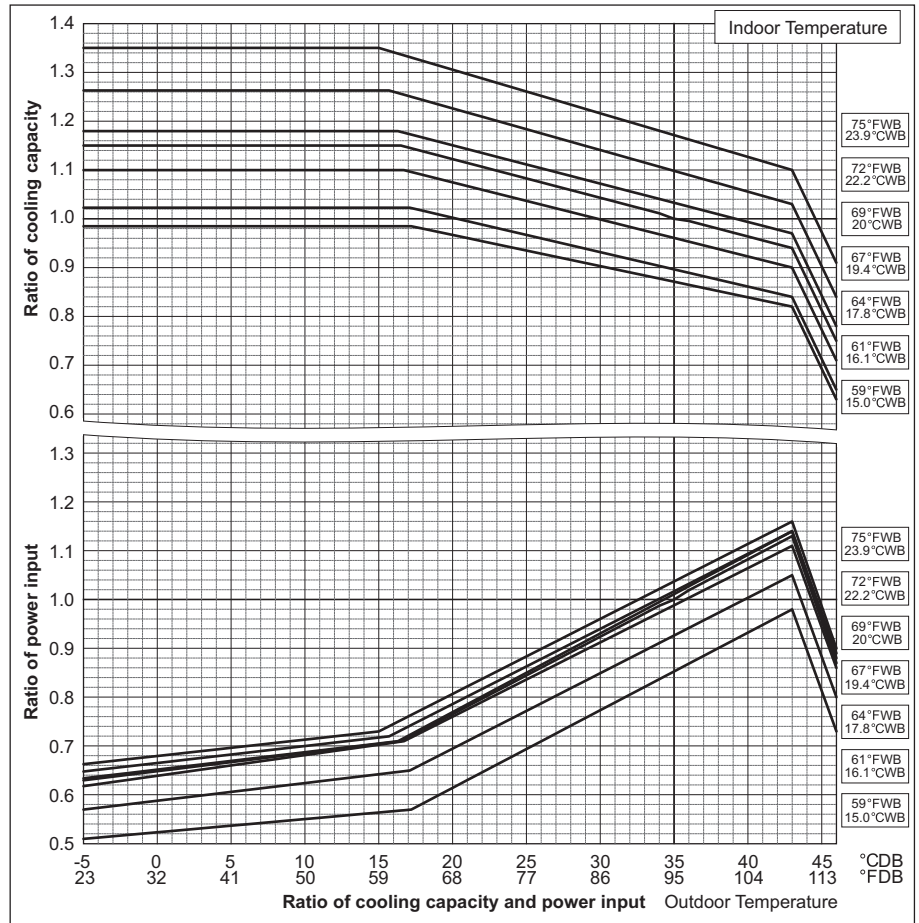
PURY-		P216YSJMU	P240YSJMU
Nominal Heating Capacity	kW	71.2	79.1
	BTU/h	243,000	270,000
Input	kW	20.27	22.70



6. CAPACITY TABLES

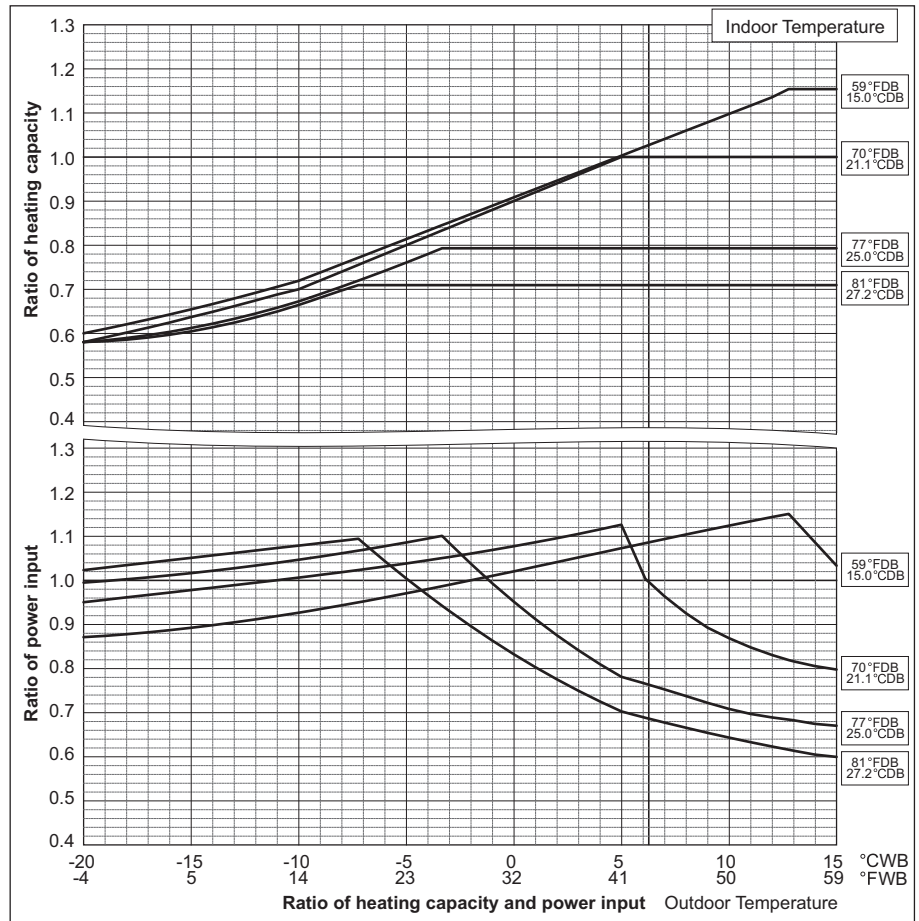
PURY-		P264TSJMU	P288TSJMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	23.09	25.61

PURY-		P264YSJMU	P288YSJMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	23.09	25.61



PURY-		P264TSJMU	P288TSJMU
Nominal Heating Capacity	kW	86.5	93.8
	BTU/h	295,000	320,000
Input	kW	24.95	27.19

PURY-		P264YSJMU	P288YSJMU
Nominal Heating Capacity	kW	86.5	93.8
	BTU/h	295,000	320,000
Input	kW	24.95	27.19



R2

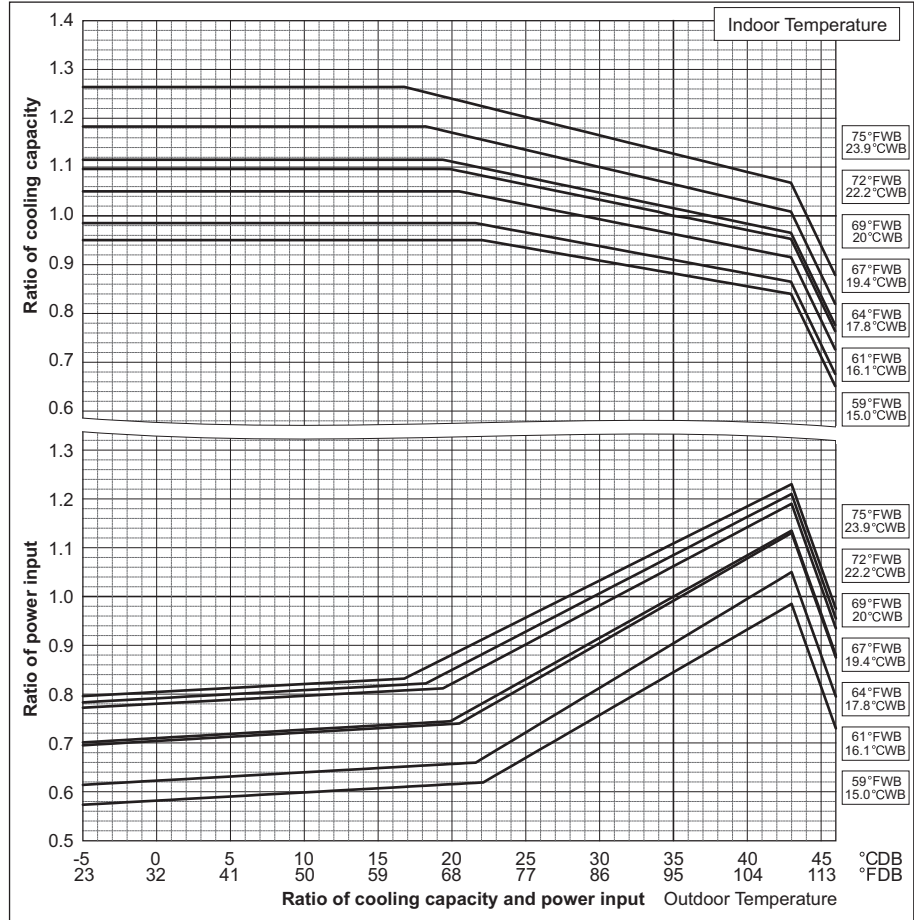
Correction by temperature (High Heating Performance Mode)

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.

To select high heating performance mode, DipSW 3-7 must be set to ON. (In the low ambient temperature, heating capacity and power input become higher than those under standard mode.)

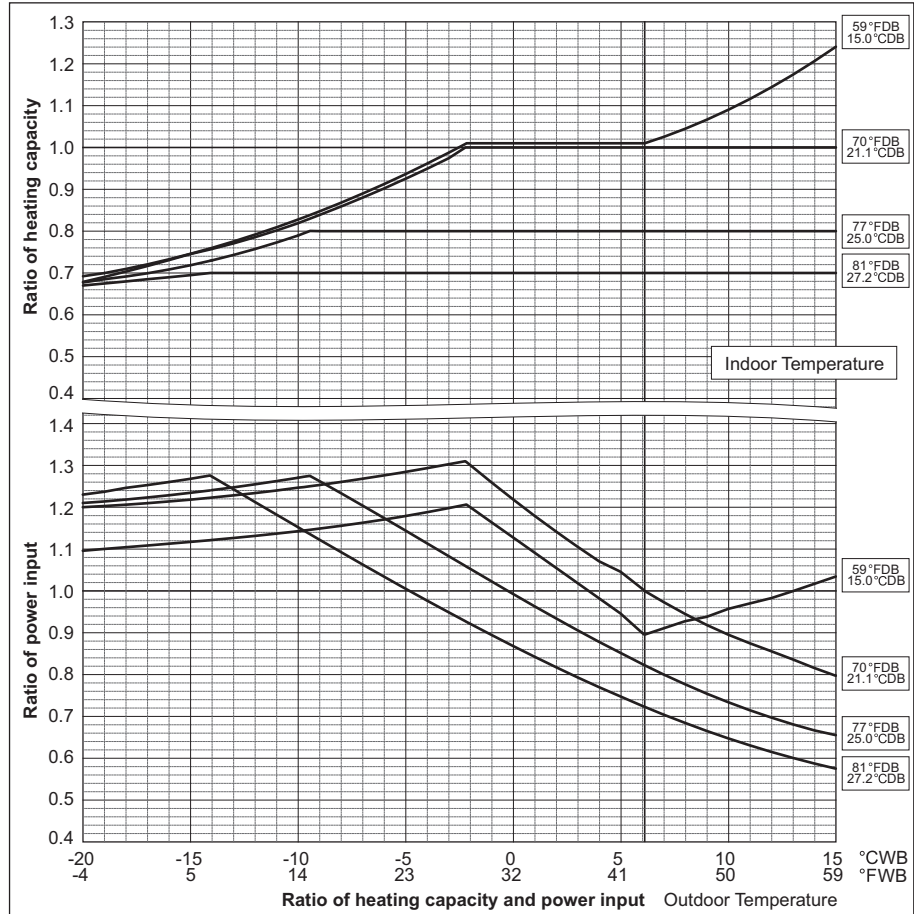
PURY-	P72TJMU	P96TJMU
Nominal Cooling Capacity	kW 21.1	28.1
	BTU/h 72,000	96,000
Input	kW 5.66	7.80

PURY-	P72YJMU	P96YJMU
Nominal Cooling Capacity	kW 21.1	28.1
	BTU/h 72,000	96,000
Input	kW 5.66	7.80



PURY-	P72TJMU	P96TJMU
Nominal Heating Capacity	kW 23.4	31.7
	BTU/h 80,000	108,000
Input	kW 6.16	8.66

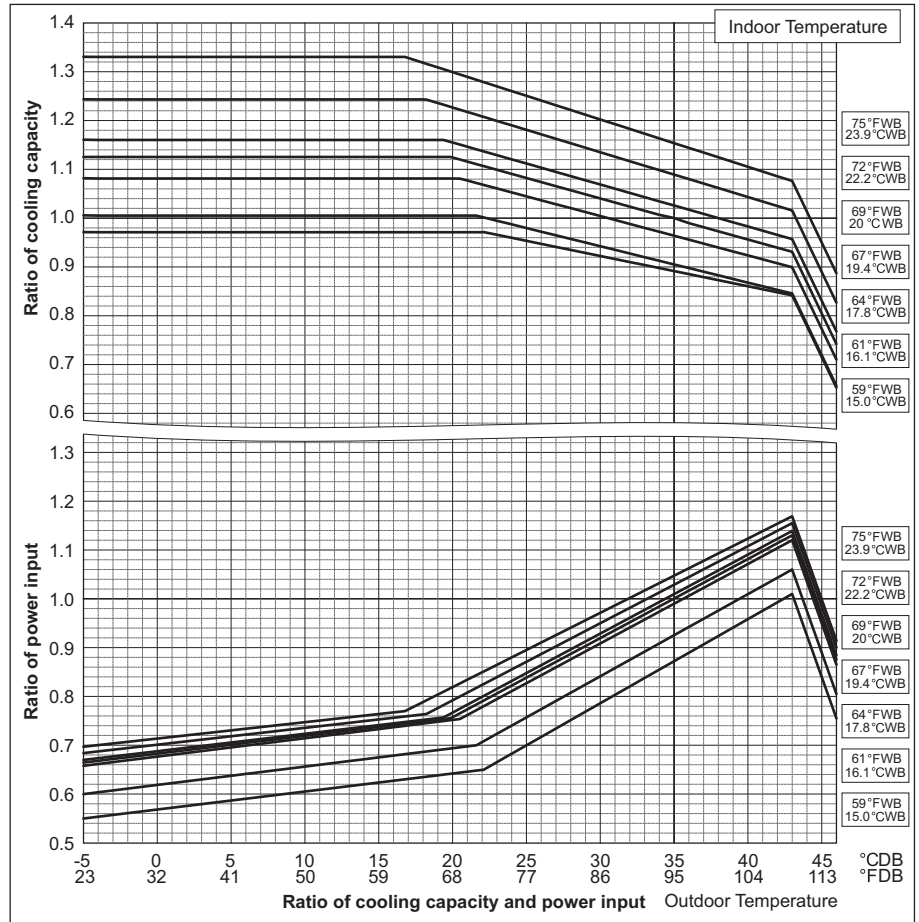
PURY-	P72YJMU	P96YJMU
Nominal Heating Capacity	kW 23.4	31.7
	BTU/h 80,000	108,000
Input	kW 6.16	8.66



6. CAPACITY TABLES

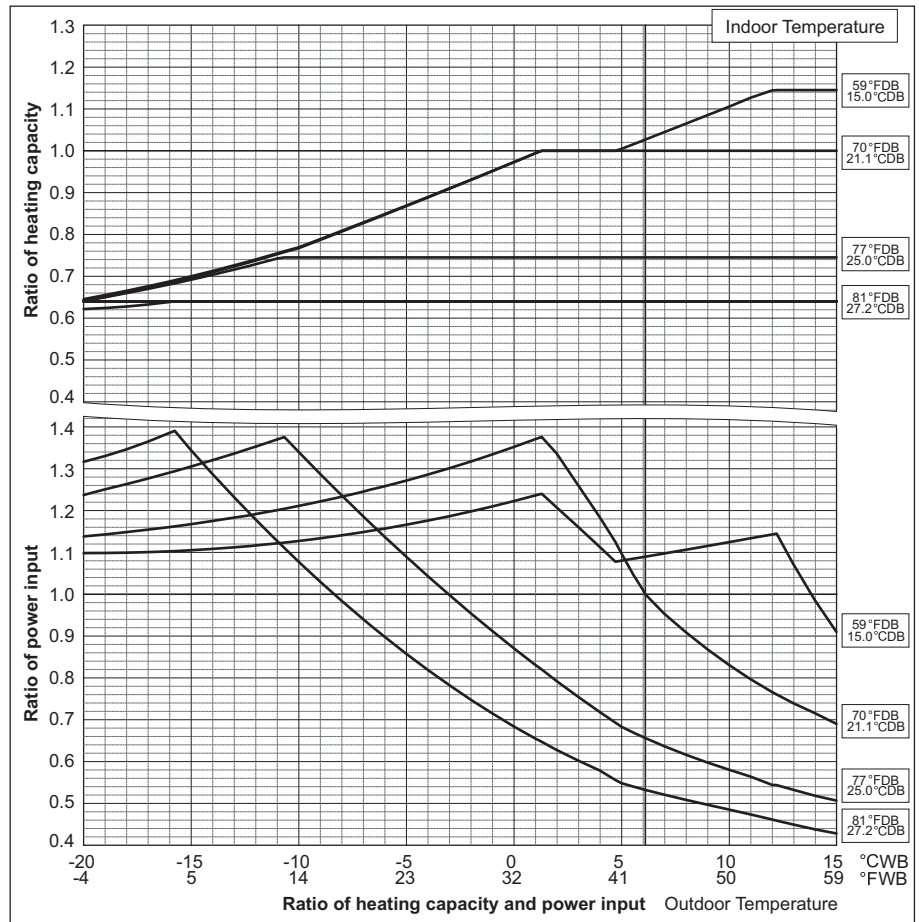
PURY-		P120TJMU
Nominal Cooling Capacity	kW	35.2
	BTU/h	120,000
Input	kW	9.99

PURY-		P120YJMU
Nominal Cooling Capacity	kW	35.2
	BTU/h	120,000
Input	kW	9.99



PURY-		P120TJMU
Nominal Heating Capacity	kW	39.6
	BTU/h	135,000
Input	kW	11.02

PURY-		P120YJMU
Nominal Heating Capacity	kW	39.6
	BTU/h	135,000
Input	kW	11.02



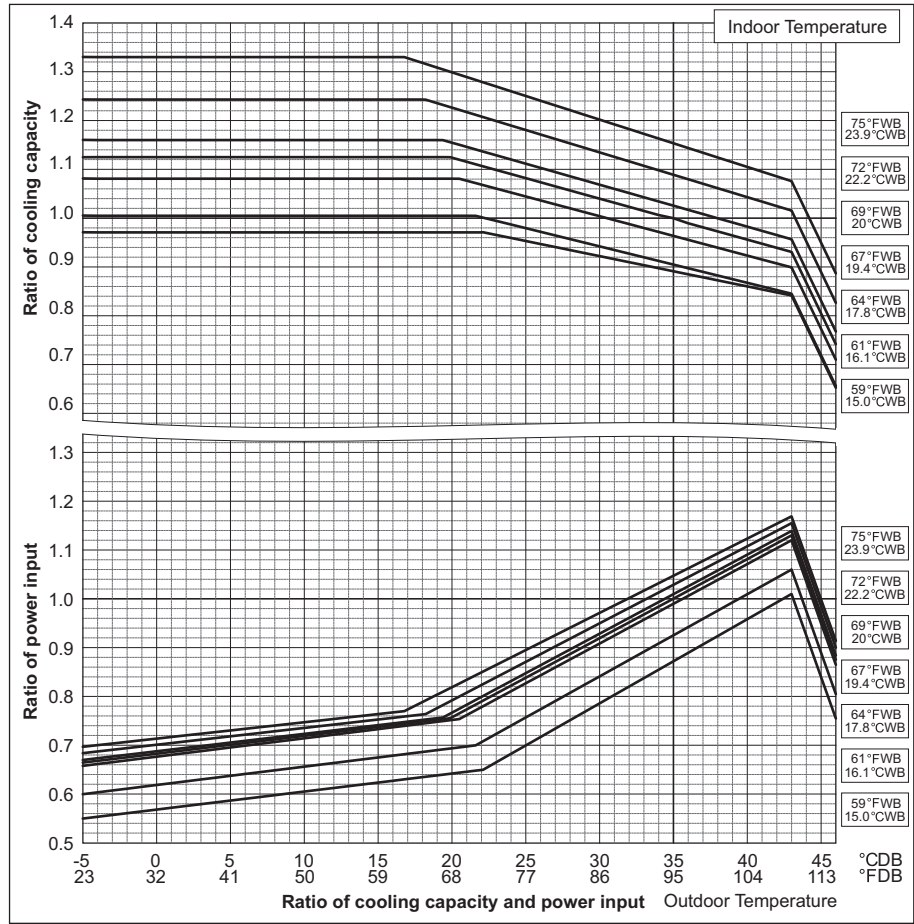
R2

6. CAPACITY TABLES

DATA U6-2

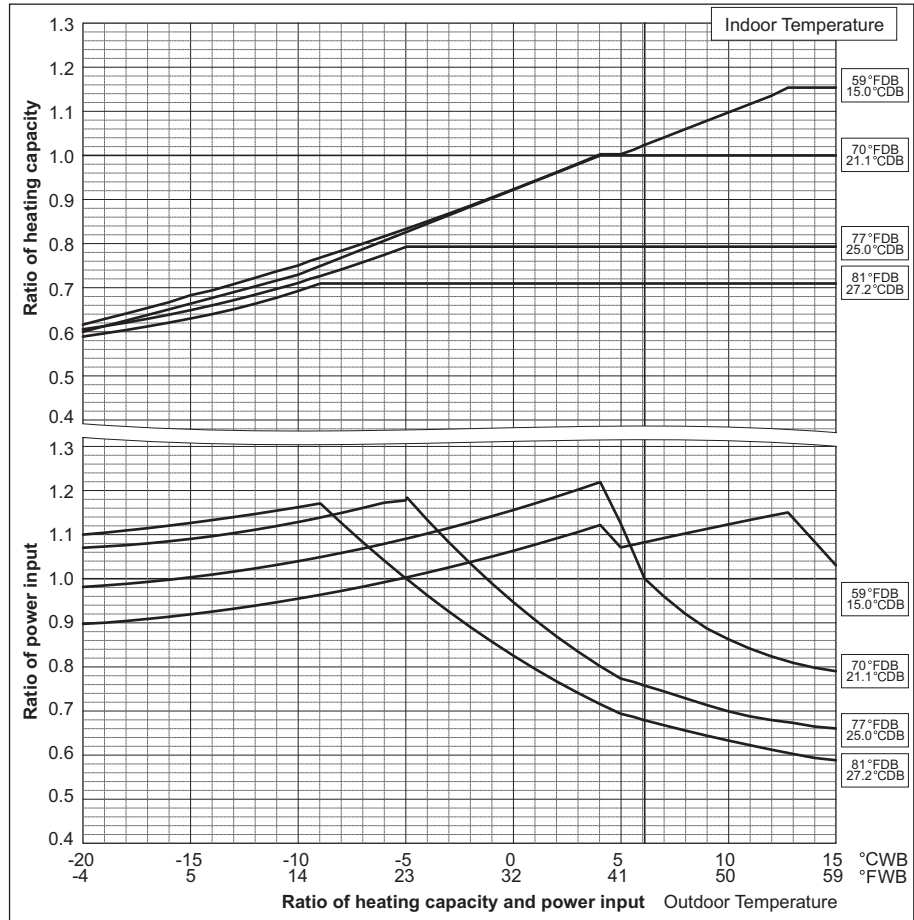
PURY-		P144TJMU	
Nominal Cooling Capacity	kW	42.2	
	BTU/h	144,000	
Input	kW	12.43	

PURY-		P144YJMU	
Nominal Cooling Capacity	kW	42.2	
	BTU/h	144,000	
Input	kW	12.43	



PURY-		P144TJMU	
Nominal Heating Capacity	kW	46.9	
	BTU/h	160,000	
Input	kW	13.20	

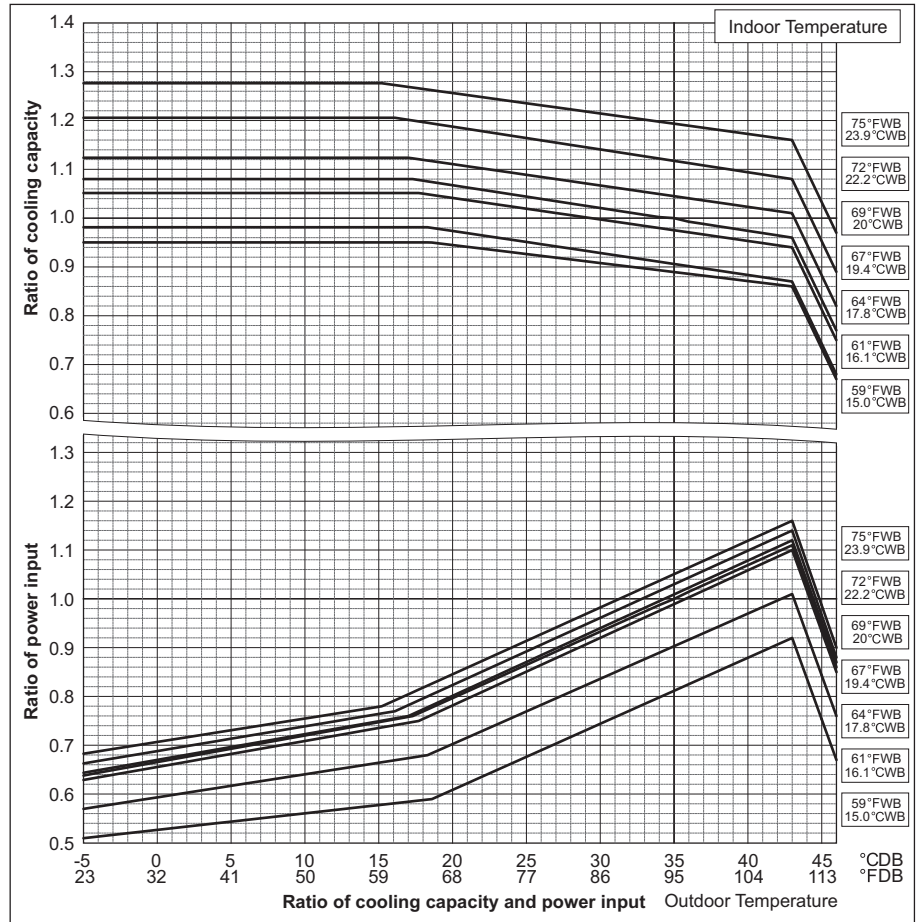
PURY-		P144YJMU	
Nominal Heating Capacity	kW	46.9	
	BTU/h	160,000	
Input	kW	13.20	



6. CAPACITY TABLES

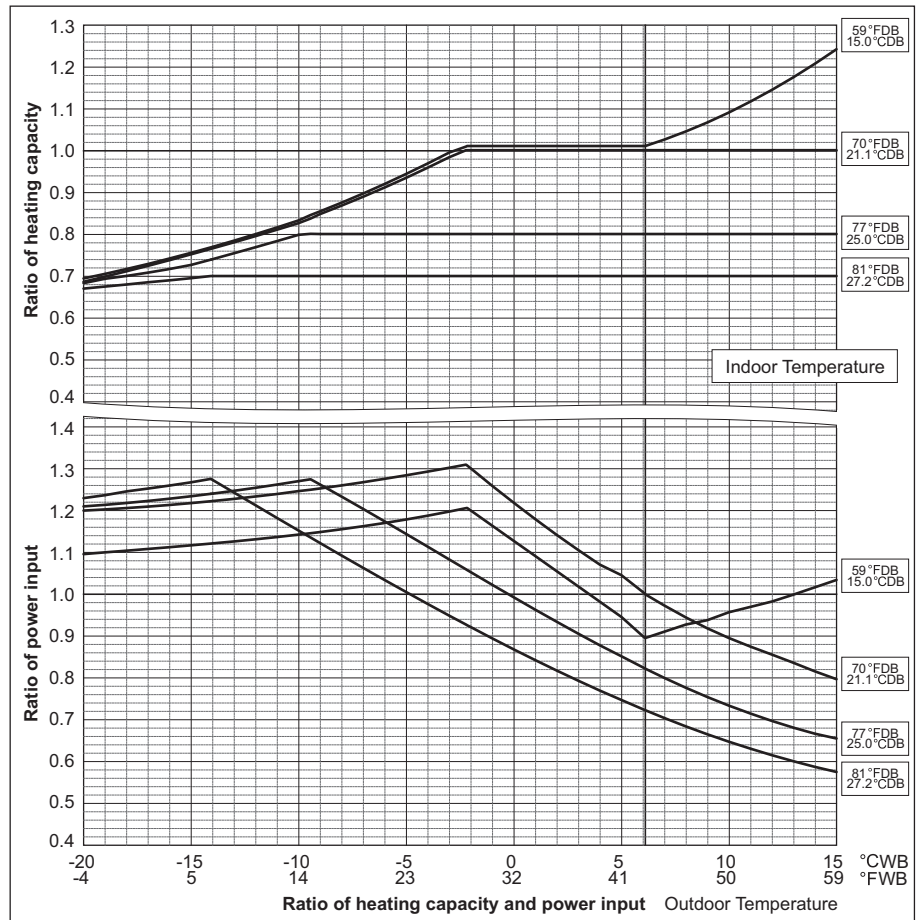
PURY-		P168TSJMU	P192TSJMU
Nominal Cooling Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	13.86	16.07

PURY-		P168YSJMU	P192YSJMU
Nominal Cooling Capacity	kW	49.2	56.3
	BTU/h	168,000	192,000
Input	kW	13.86	16.07



PURY-		P168TSJMU	P192TSJMU
Nominal Heating Capacity	kW	55.1	63.0
	BTU/h	188,000	215,000
Input	kW	15.26	17.84

PURY-		P168YSJMU	P192YSJMU
Nominal Heating Capacity	kW	55.1	63.0
	BTU/h	188,000	215,000
Input	kW	15.26	17.84

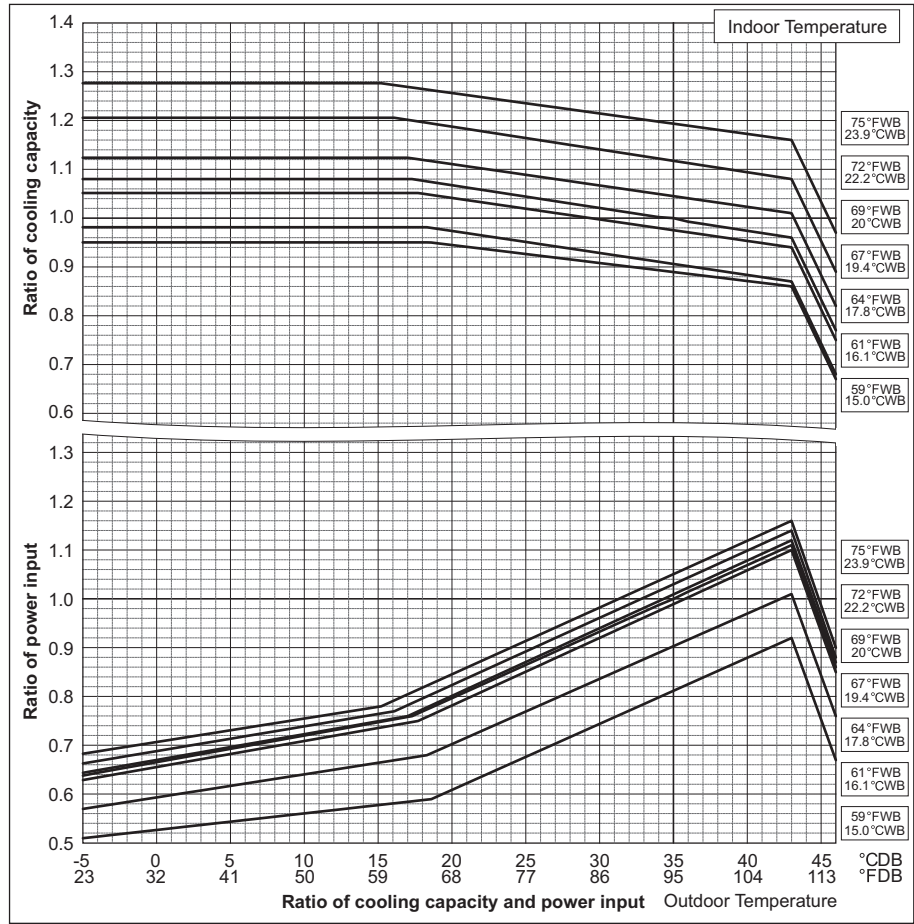


R2

6. CAPACITY TABLES

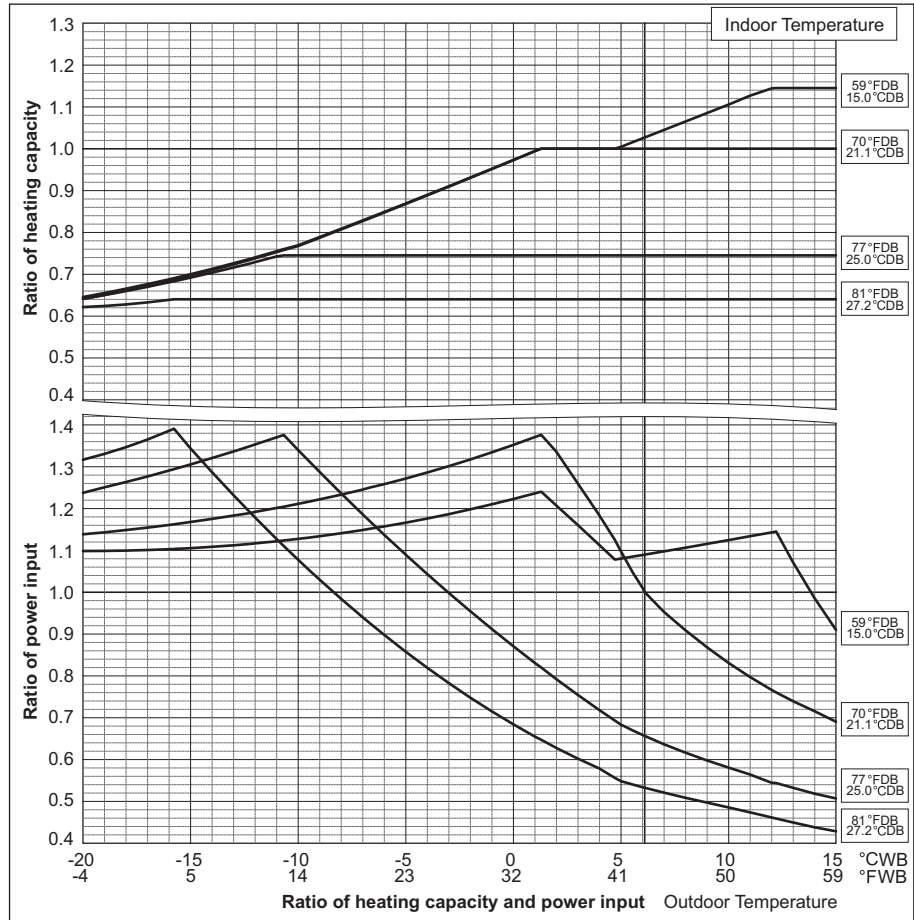
PURY-		P216TSJMU	P240TSJMU
Nominal Cooling Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	18.32	20.58

PURY-		P216YSJMU	P240YSJMU
Nominal Cooling Capacity	kW	63.3	70.3
	BTU/h	216,000	240,000
Input	kW	18.32	20.58



PURY-		P216TSJMU	P240TSJMU
Nominal Heating Capacity	kW	71.2	79.1
	BTU/h	243,000	270,000
Input	kW	20.27	22.70

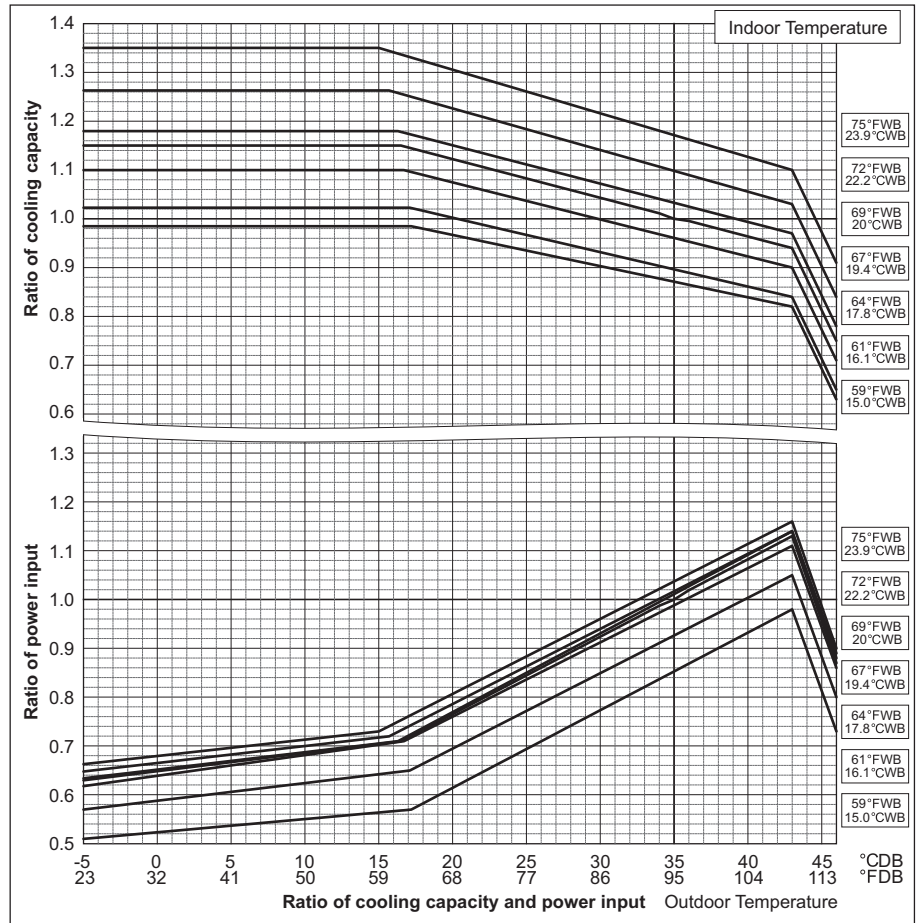
PURY-		P216YSJMU	P240YSJMU
Nominal Heating Capacity	kW	71.2	79.1
	BTU/h	243,000	270,000
Input	kW	20.27	22.70



6. CAPACITY TABLES

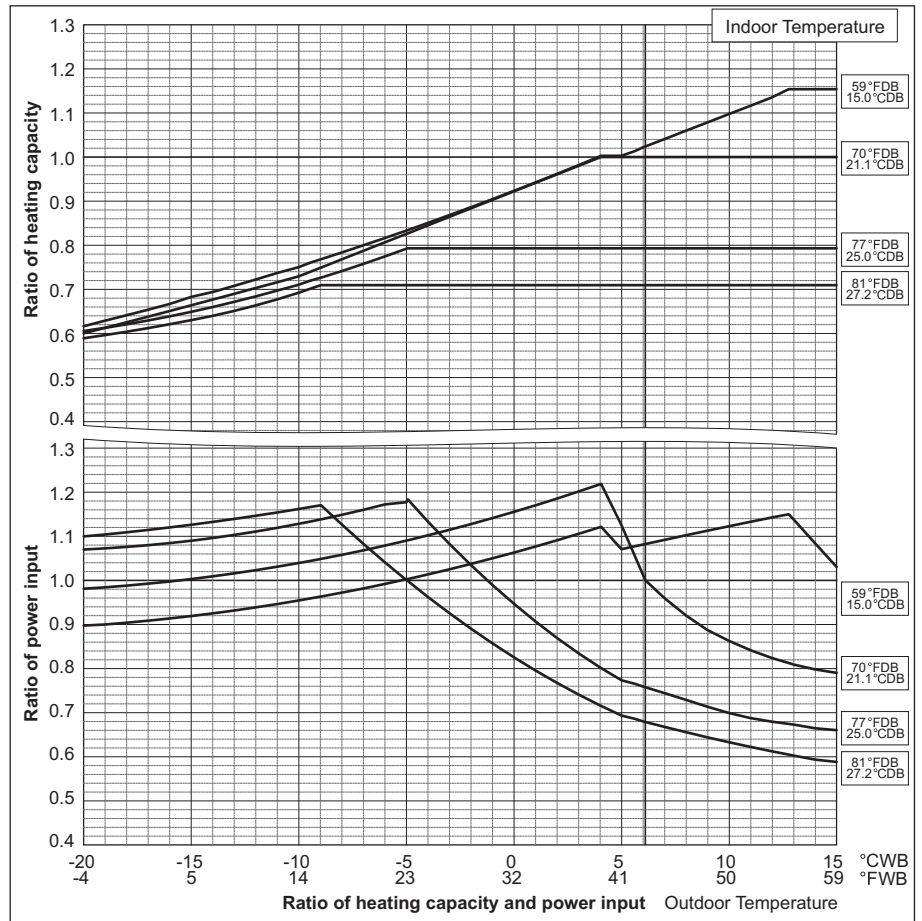
PURY-		P264TSJMU	P288TSJMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	23.09	25.61

PURY-		P264YSJMU	P288YSJMU
Nominal Cooling Capacity	kW	77.4	84.4
	BTU/h	264,000	288,000
Input	kW	23.09	25.61



PURY-		P264TSJMU	P288TSJMU
Nominal Heating Capacity	kW	86.5	93.8
	BTU/h	295,000	320,000
Input	kW	24.95	27.19

PURY-		P264YSJMU	P288YSJMU
Nominal Heating Capacity	kW	86.5	93.8
	BTU/h	295,000	320,000
Input	kW	24.95	27.19

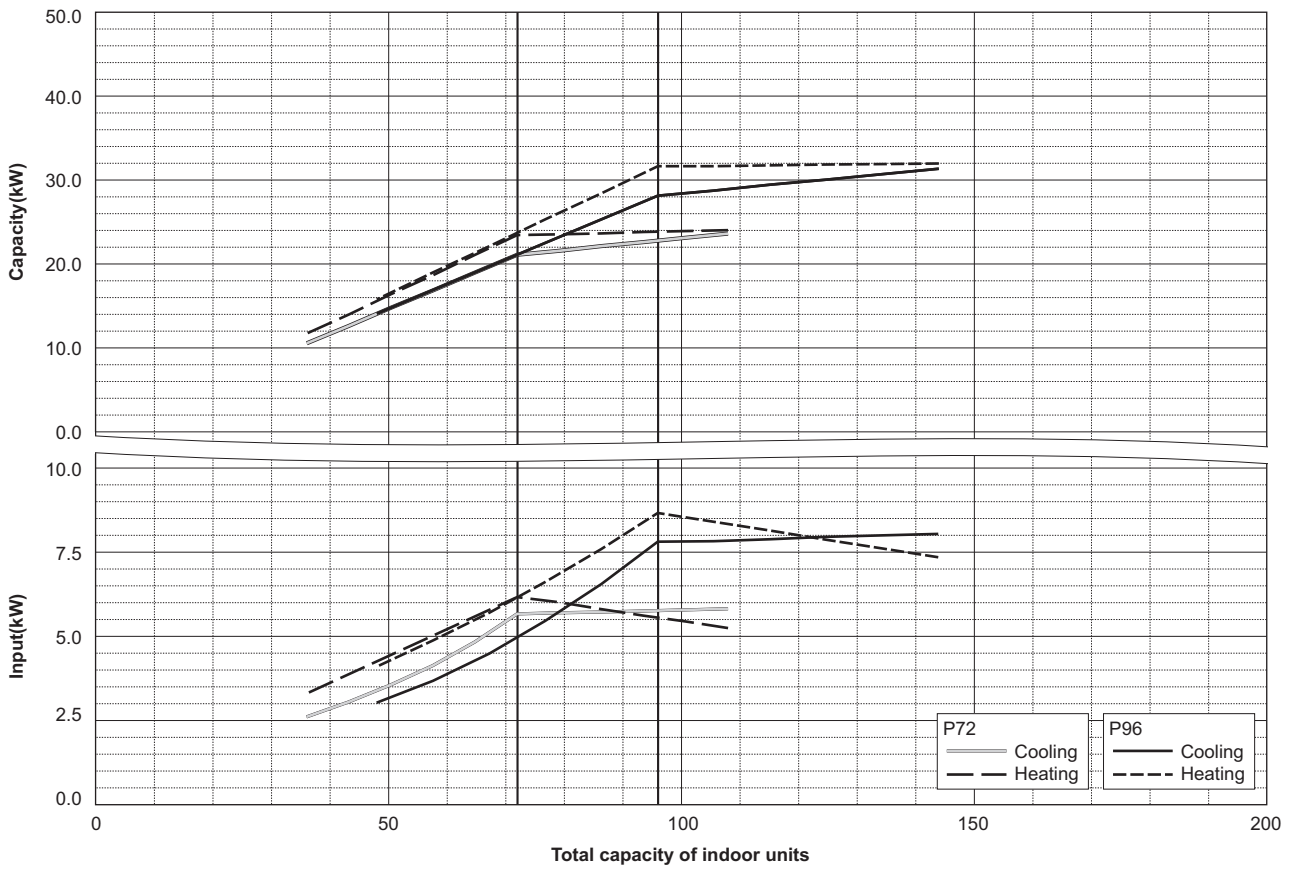


R2

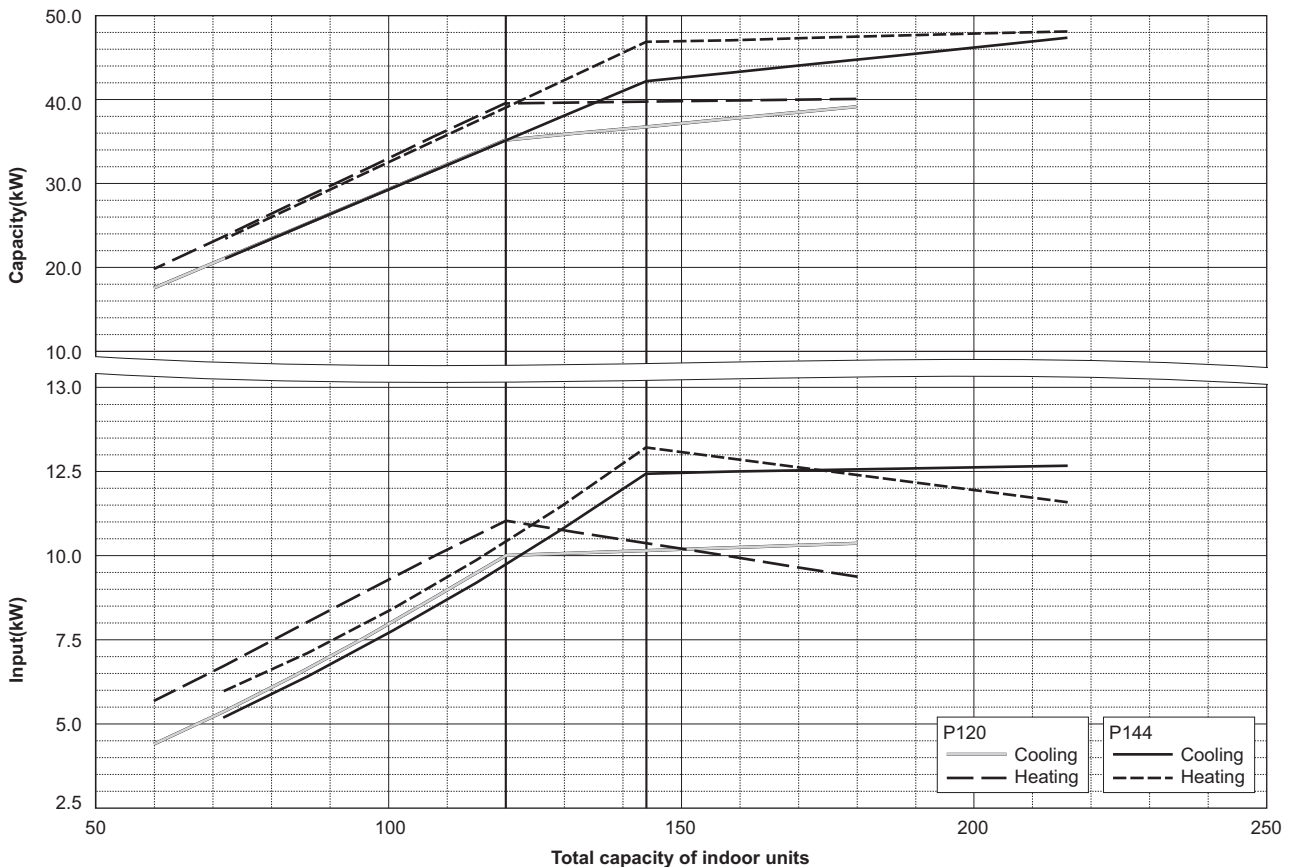
6-2. Correction by total indoor

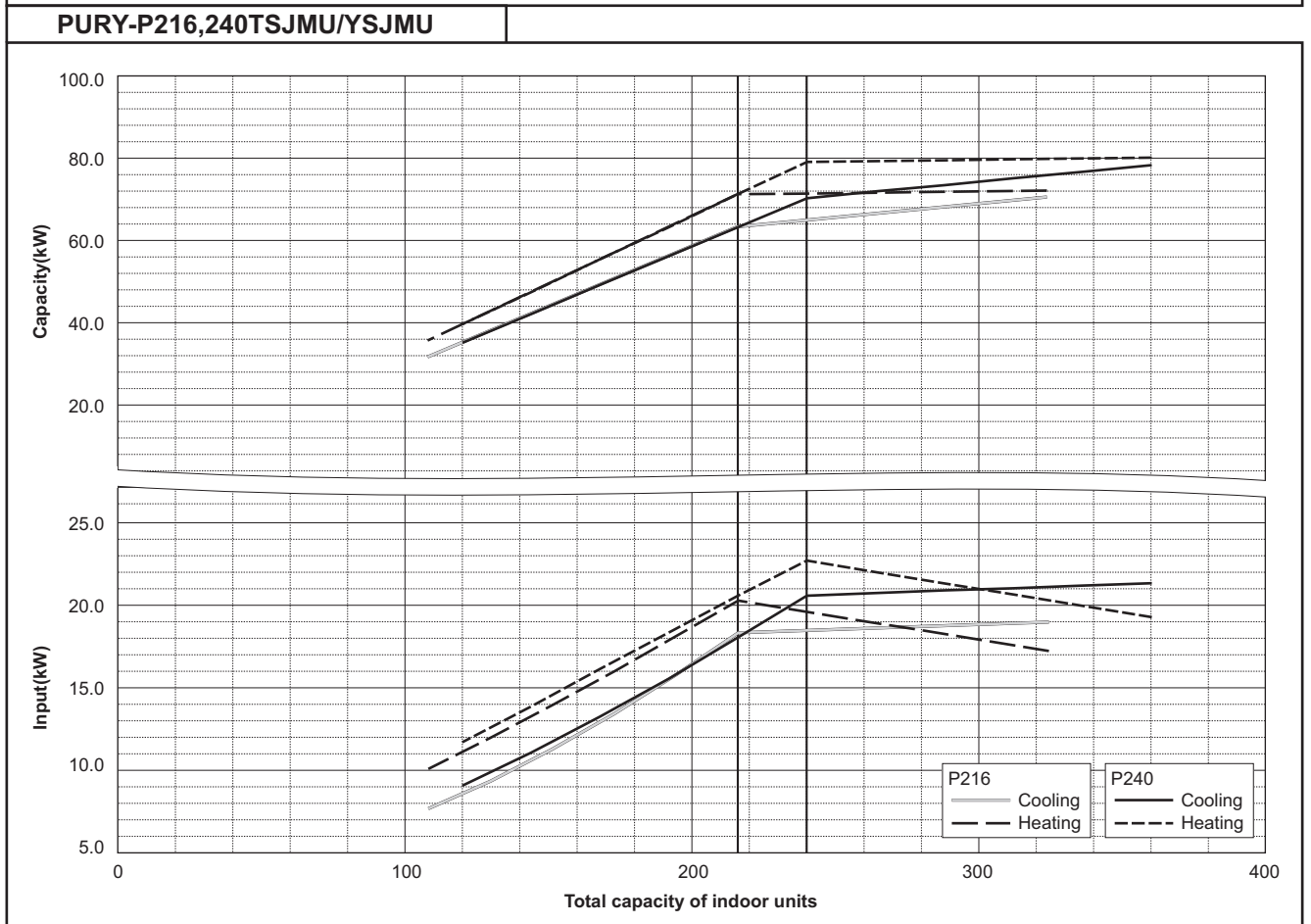
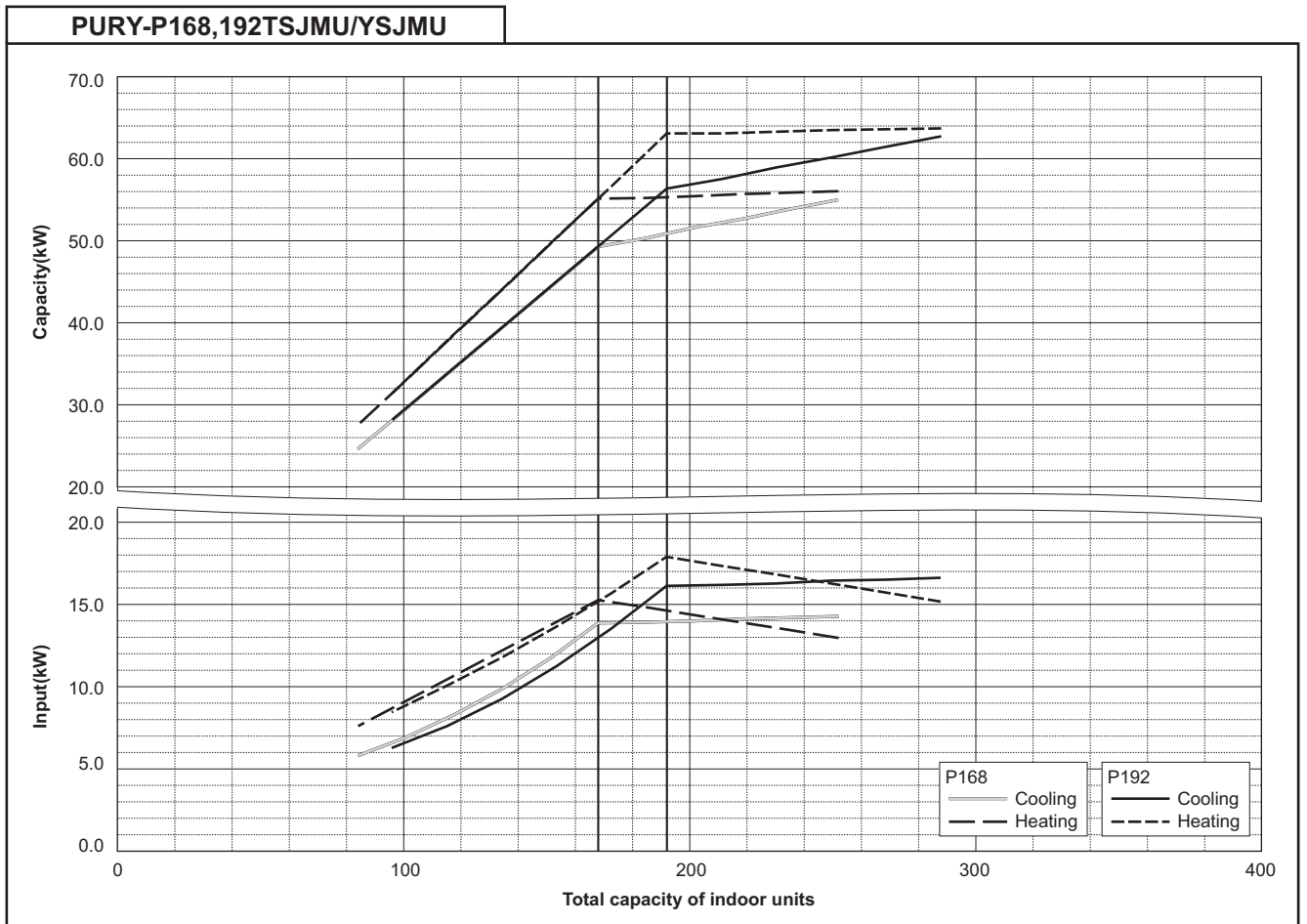
CITY MULTI system have different capacities and inputs when many combinations of indoor units with different total capacities are connected. Using following tables, the maximum capacity can be found to ensure the system is installed with enough capacity for a particular application.

PURY-P72,96TJMU/YJMU



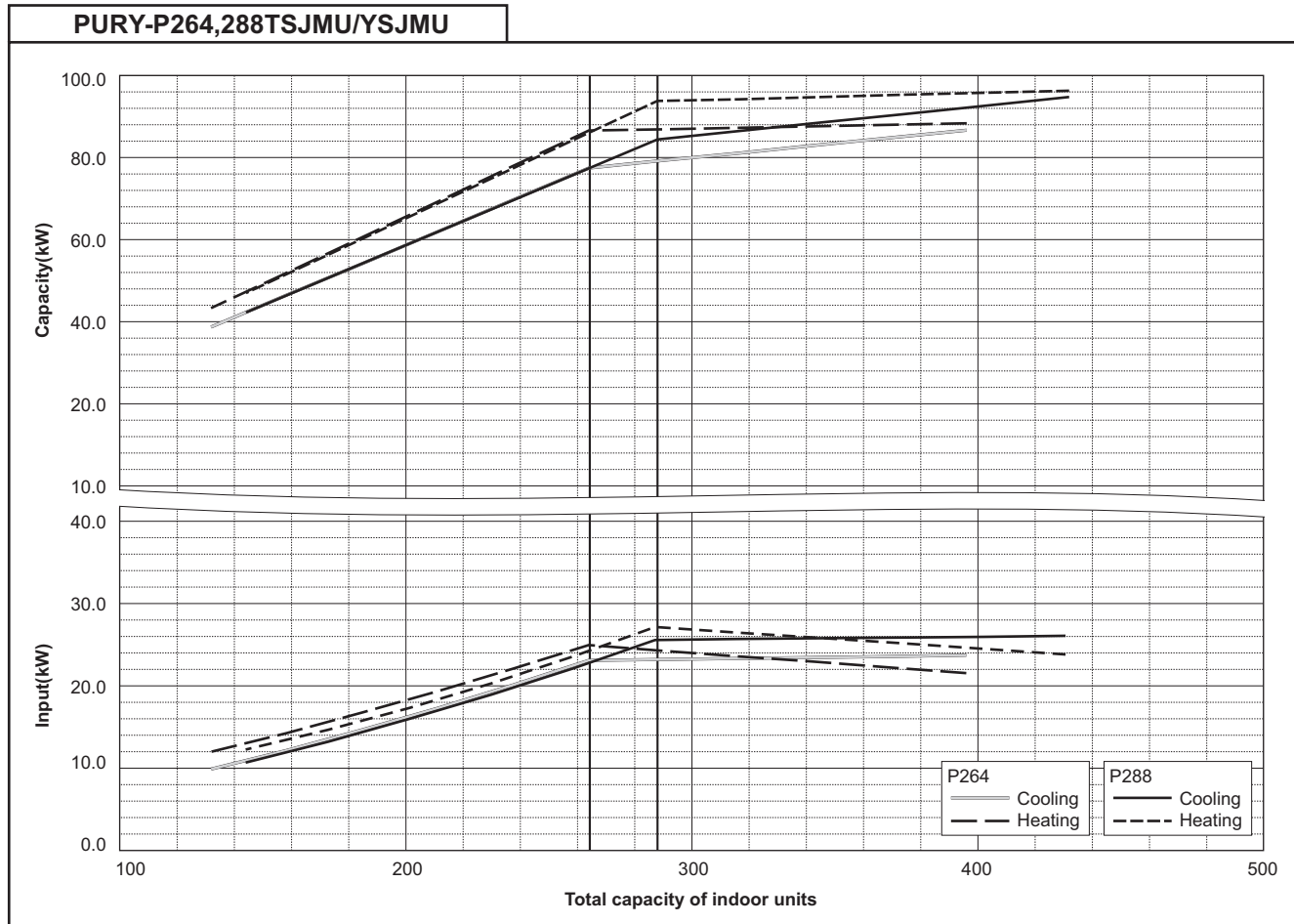
PURY-P120,144TJMU/YJMU





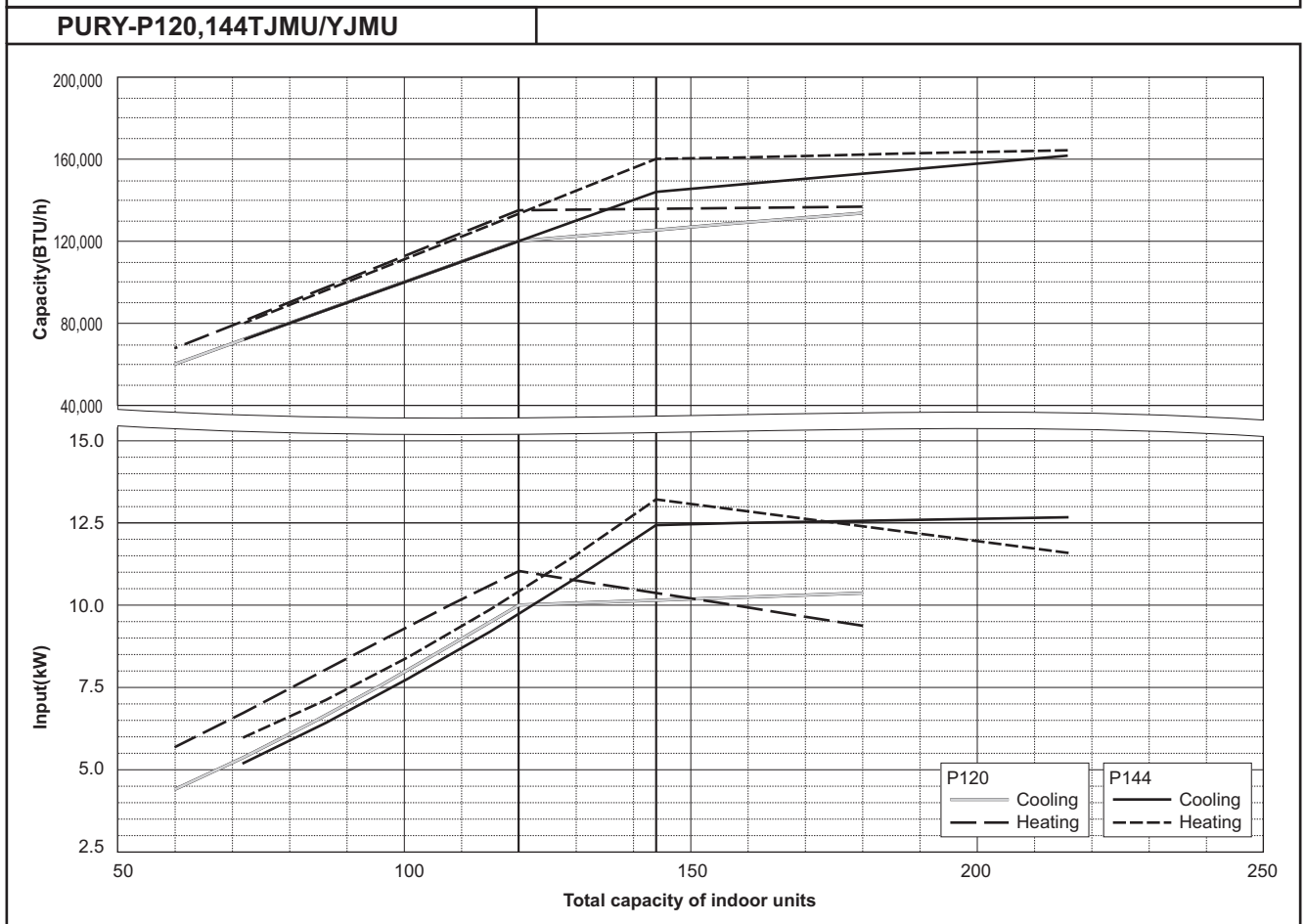
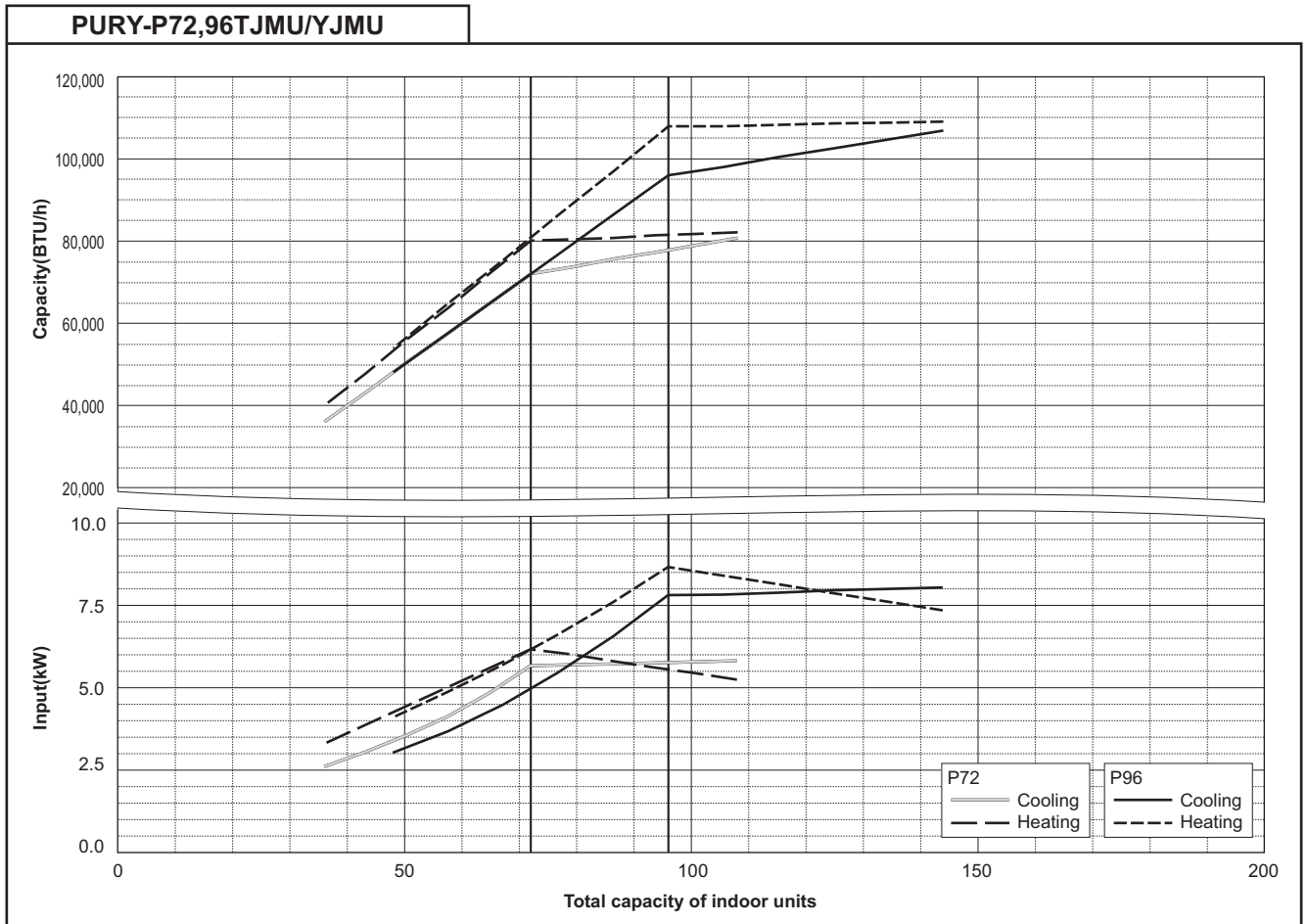
R2

R2



6. CAPACITY TABLES

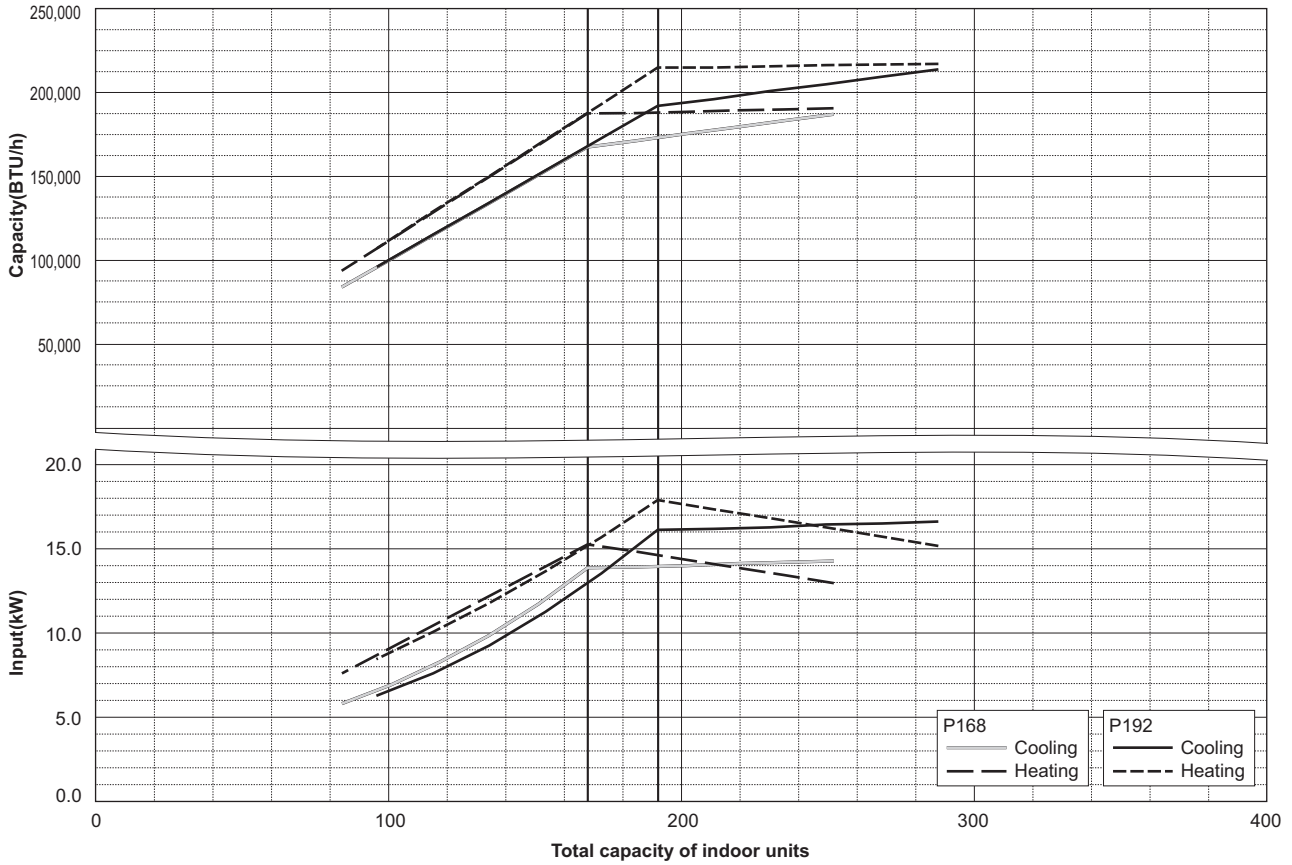
R2



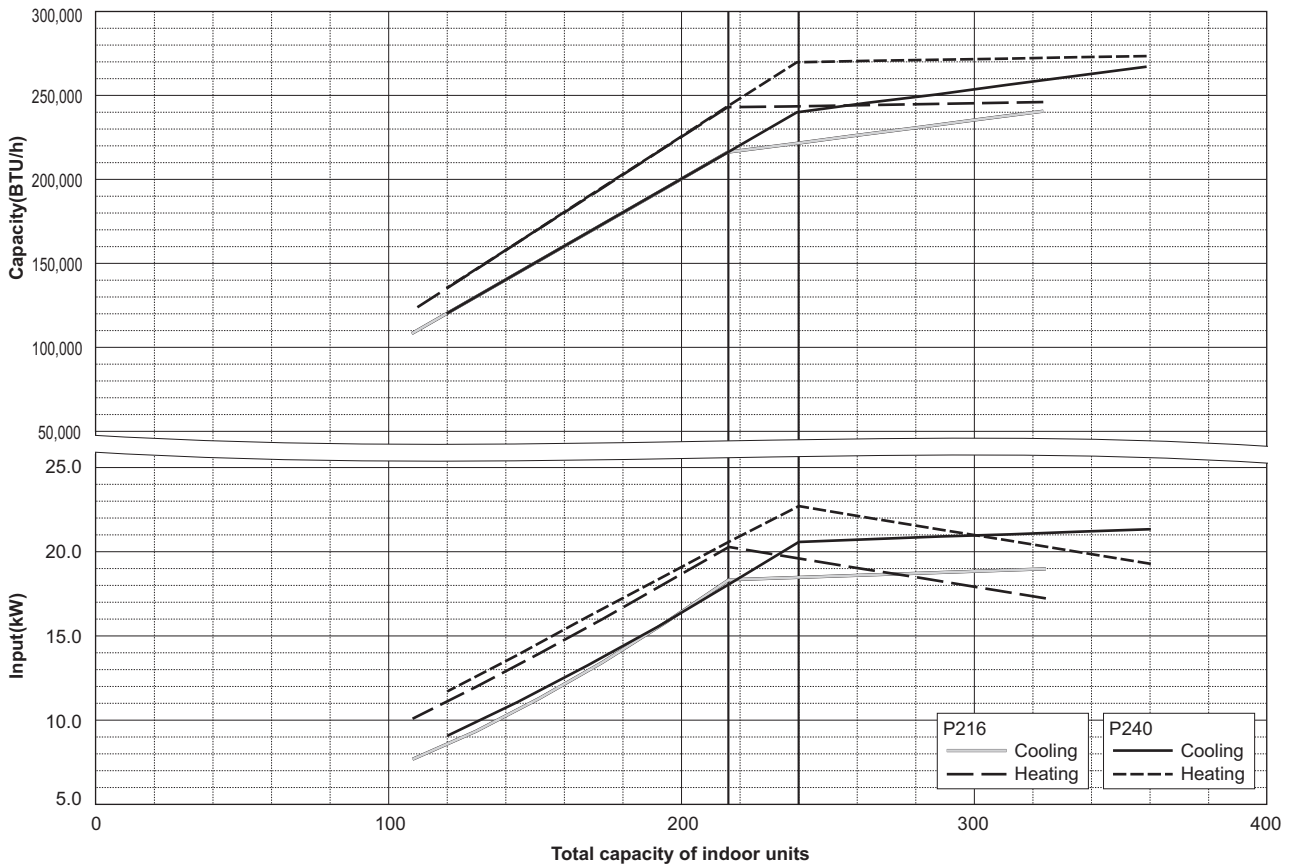
6. CAPACITY TABLES

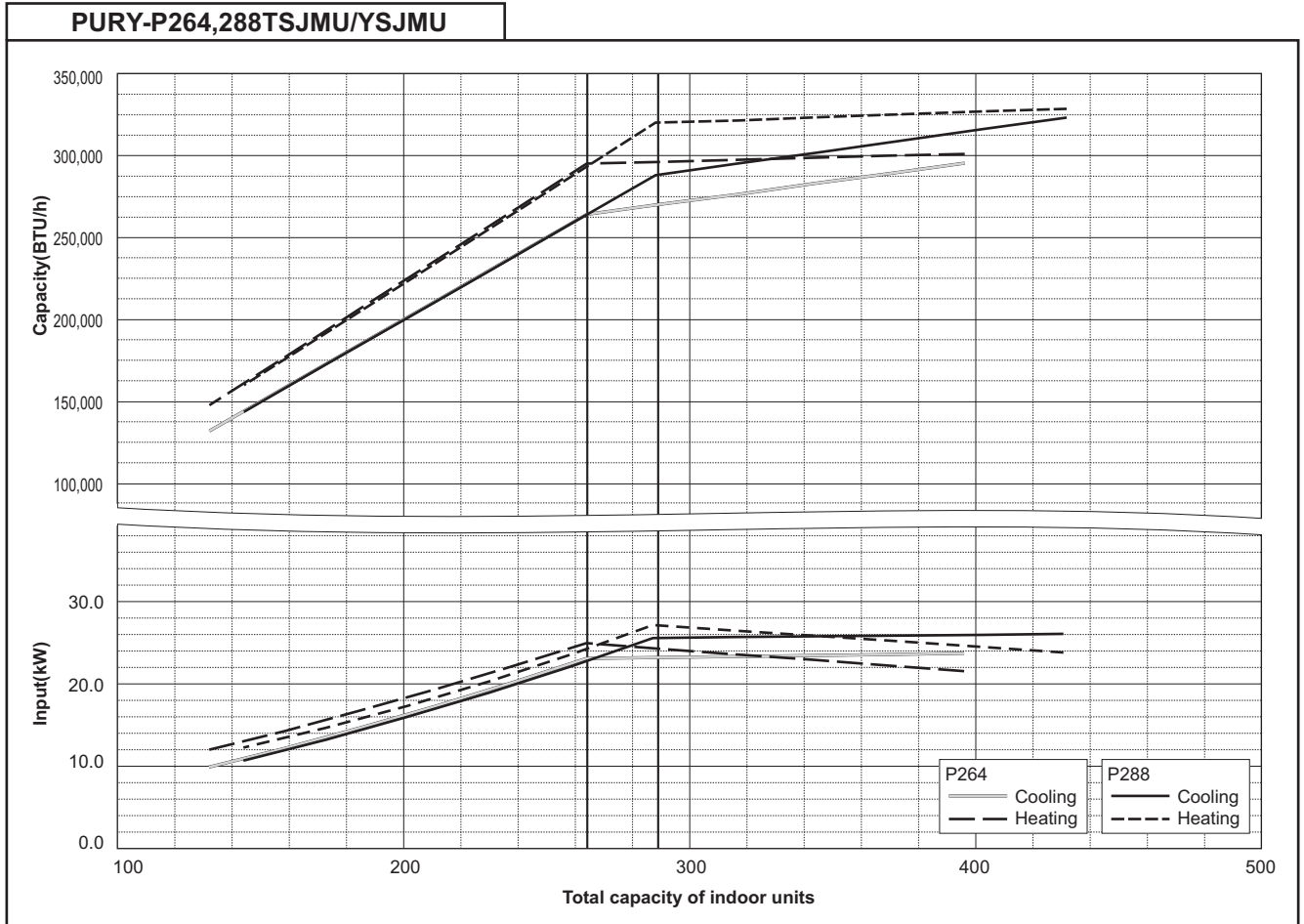
R2

PURY-P168,192TSJMU/YSJMU



PURY-P216,240TSJMU/YSJMU



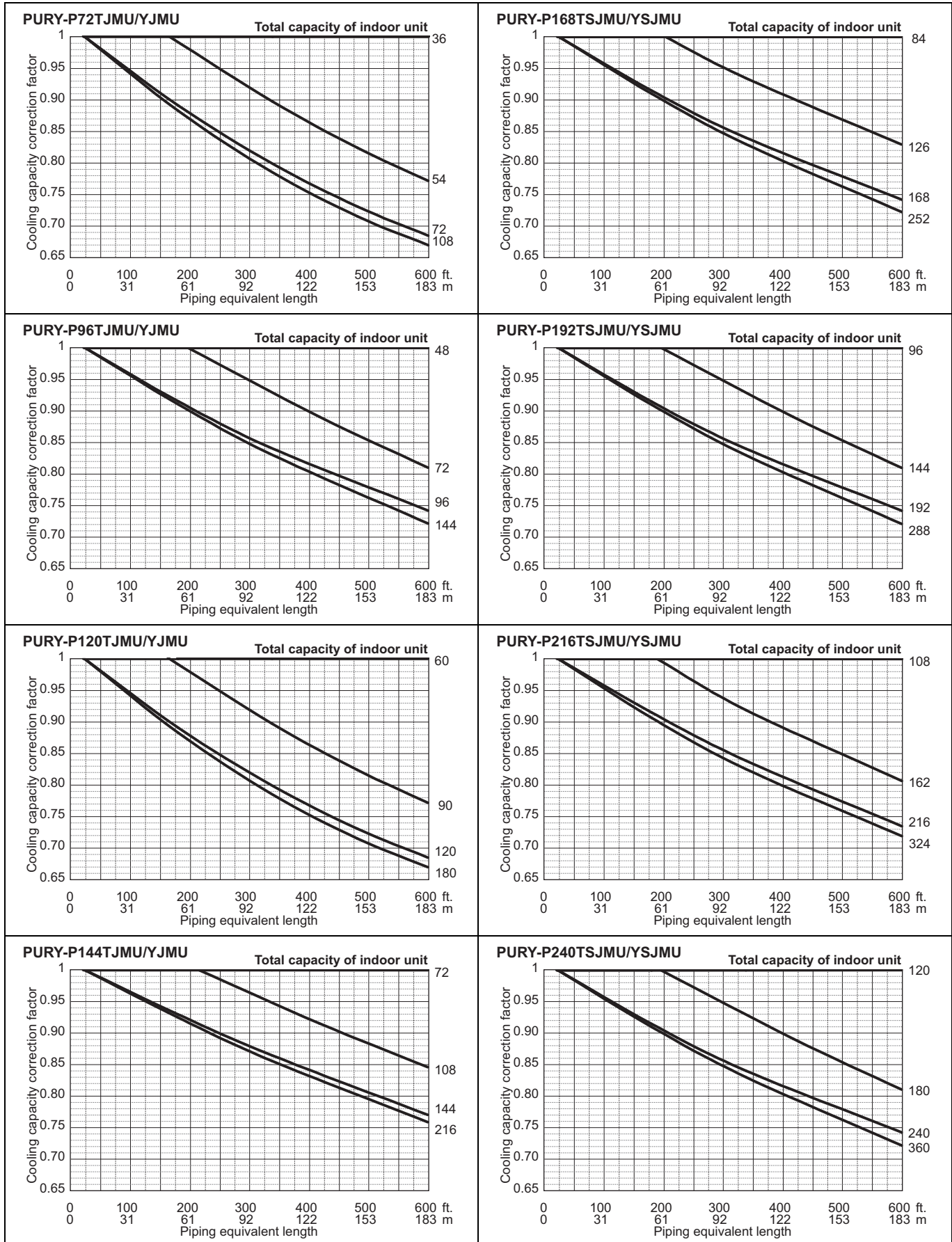


R2

6-3. Correction by refrigerant piping length

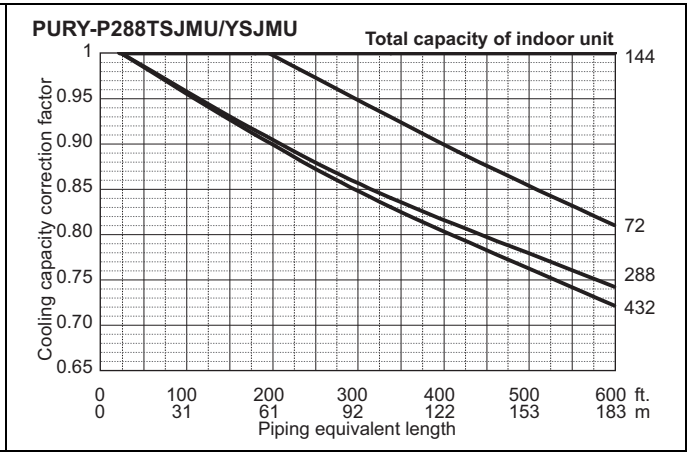
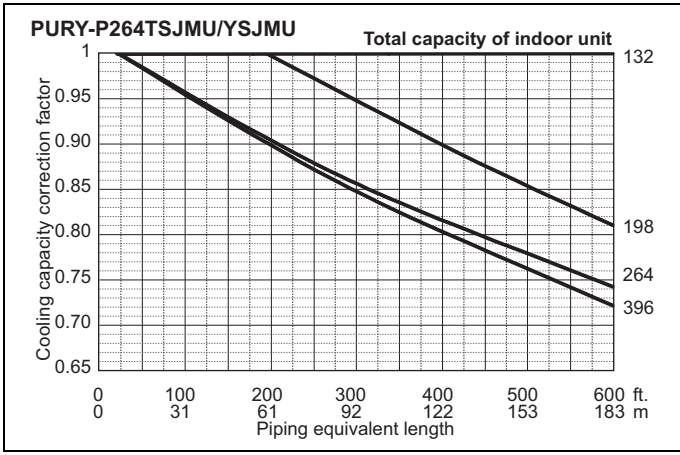
CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using following correction factor by equivalent piping length shown at 6-3-1 and 6-3-2, capacity can be found. 6-3-3 shows how to obtain the equivalent piping length.

6-3-1. Cooling capacity correction



R2

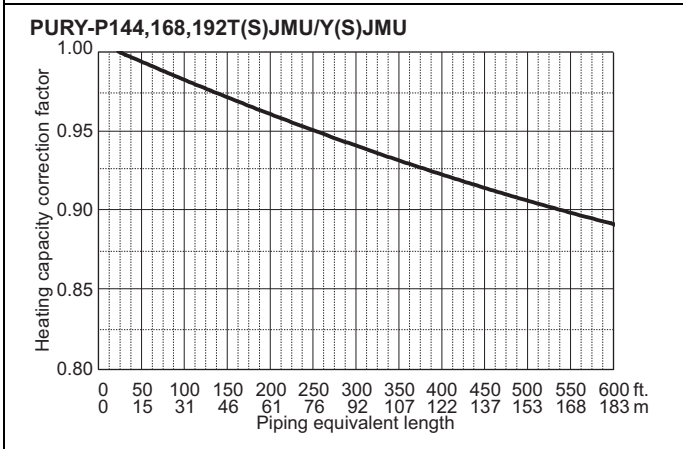
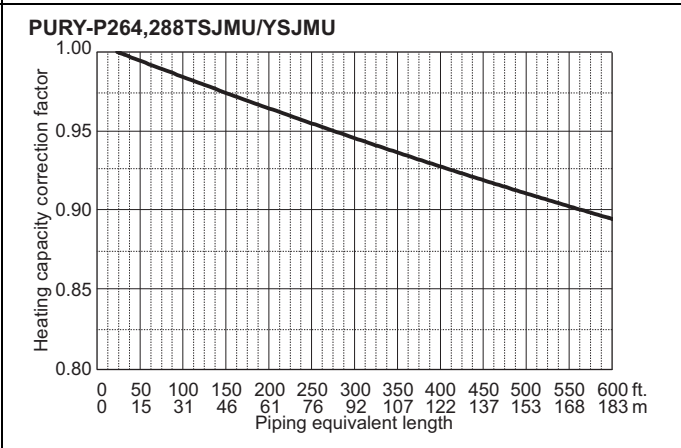
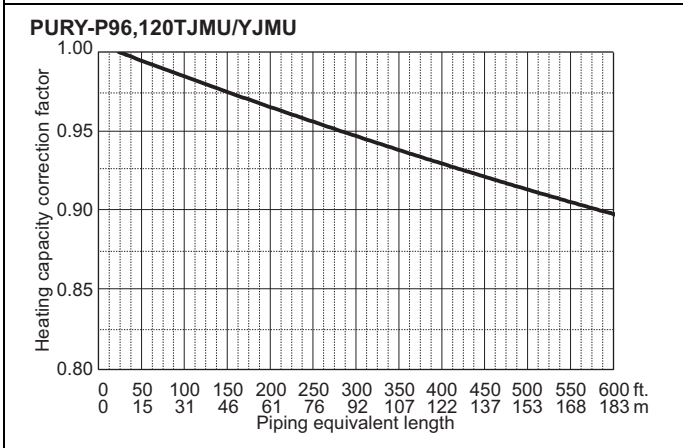
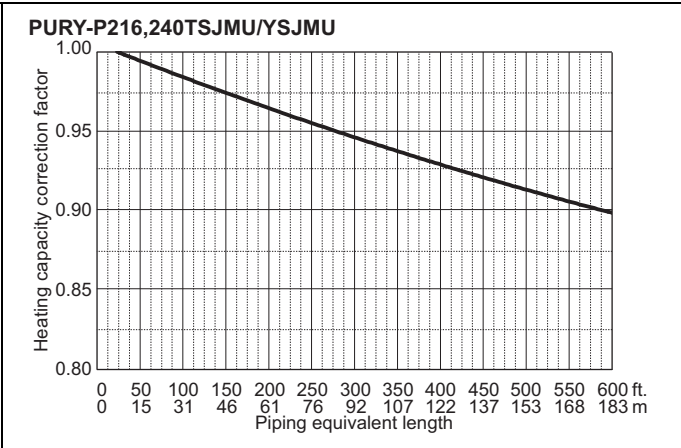
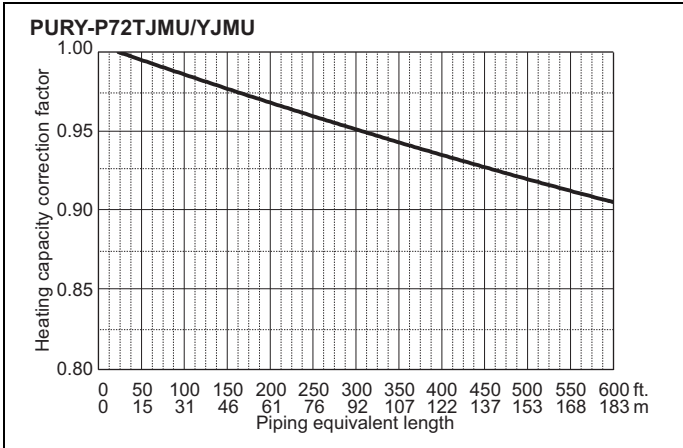
6. CAPACITY TABLES



R2

6-3-2. Heating capacity correction

R2



6-3-3. How to obtain the equivalent piping length**1. PURY-P72TJMU/YJMU**

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-P96TJMU/YJMU

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-P120TJMU/YJMU

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-P144TJMU/YJMU

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-P168TSJMU/YSJMU

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-P192TSJMU/YSJMU

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-P216TSJMU/YSJMU

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-P240TSJMU/YSJMU

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

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

9. PURY-P264TSJMU/YSJMU

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

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

10. PURY-P288TSJMU/YSJMU

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

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

6-4. Correction at frost and defrost

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

Table of correction factor at frost and defrost

Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PURY-P72TJMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.95	0.95
PURY-P96TJMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.95	0.95
PURY-P120TJMU -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.95	0.95
PURY-P144TJMU -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.95	0.95
PURY-P168TSJMU -A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.91	0.92	0.92	0.95	0.95
PURY-P192TSJMU -A (-BS)	1.00	0.98	0.89	0.86	0.88	0.90	0.91	0.92	0.92	0.95	0.95
PURY-P216TSJMU -A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.92	0.95	0.95
PURY-P240TSJMU -A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.92	0.95	0.95
PURY-P264TSJMU -A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.92	0.95	0.95
PURY-P288TSJMU -A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.92	0.95	0.95
PURY-P72YJMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.95	0.95
PURY-P96YJMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.95	0.95
PURY-P120YJMU -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.95	0.95
PURY-P144YJMU -A (-BS)	1.00	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.92	0.95	0.95
PURY-P168YSJMU -A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.91	0.92	0.92	0.95	0.95
PURY-P192YSJMU -A (-BS)	1.00	0.98	0.89	0.86	0.88	0.90	0.91	0.92	0.92	0.95	0.95
PURY-P216YSJMU -A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.92	0.95	0.95
PURY-P240YSJMU -A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.92	0.95	0.95
PURY-P264YSJMU -A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.92	0.95	0.95
PURY-P288YSJMU -A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.92	0.95	0.95

* The correction factors in the table above are used for a full-load and above.

Use the formula below to calculate the correction factor to use for a partial load.

Correction factor for partial load : K

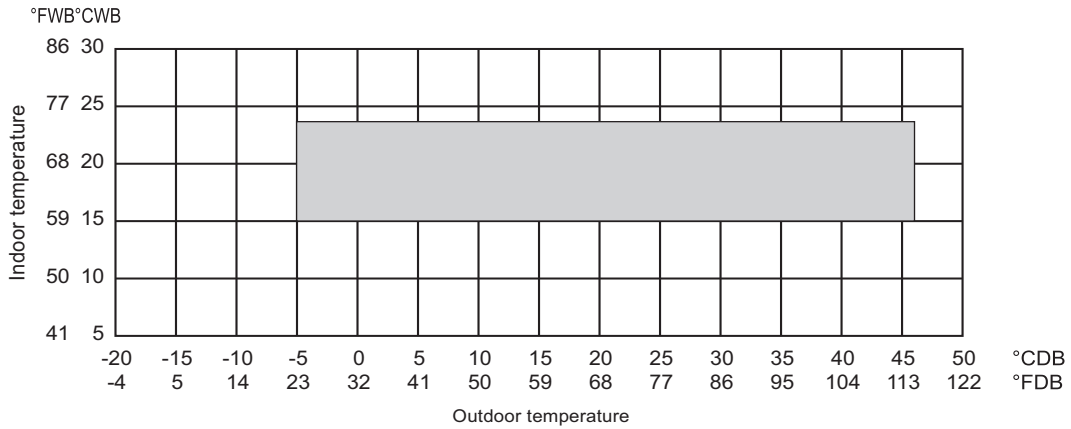
Correction factor for a full load and above : K_0

Partial load factor : A

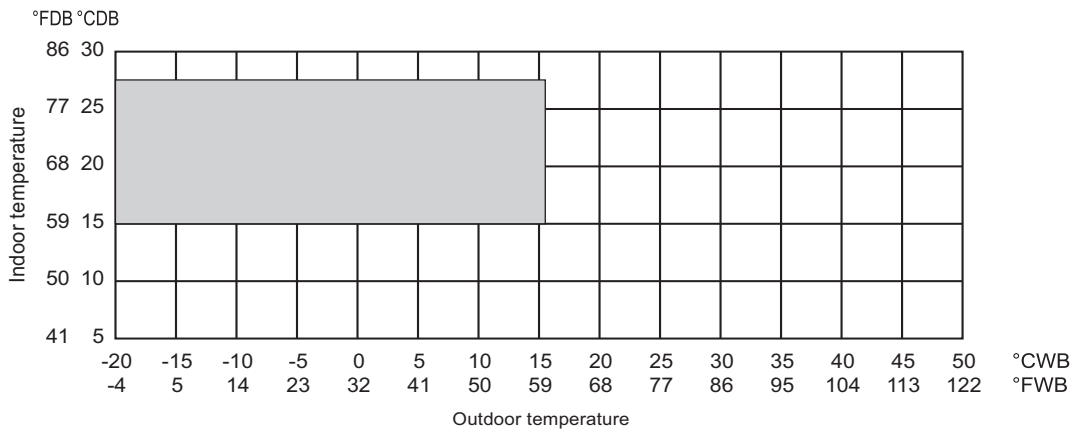
$$K = 1 - (1 - K_0) \times A$$

6-5. 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)	—

7-1. JOINT

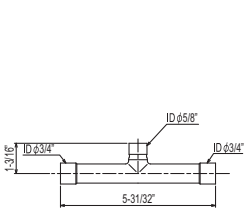
CITY MULTI piping can be installed easily with joints and headers provided by MITSUBISHI ELECTRIC CORP. For PURY-P-T(S)JMU/Y(S)JMU, three sets of joints are available. Details for installing the joint sets are found in System Design 3, or their own Installation Manual.

CMY-Y102S-G2

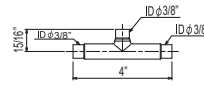
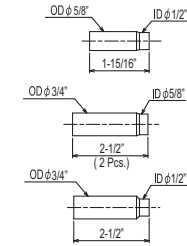
Ref.: CMY_Y102S_G2_EXD_EUDB_SI in.

For Gas pipe:

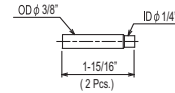
For Liquid pipe:



<Deformed pipe(Accessory)>



<Deformed pipe(Accessory)>



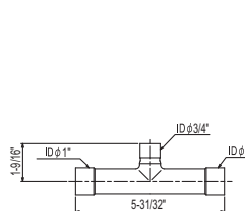
ID: Inner Diameter OD: Outer Diameter

CMY-Y102L-G2

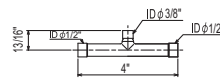
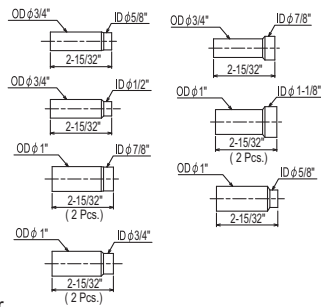
Ref.: CMY_Y102L_G2_EXD_EUDB_SI in.

For Gas pipe:

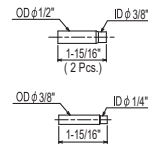
For Liquid pipe:



<Reducer(Accessory)>



<Reducer(Accessory)>



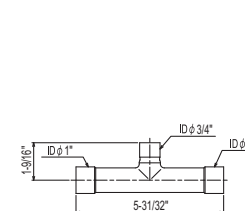
ID: Inner Diameter OD: Outer Diameter

CMY-Y202-G2

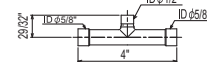
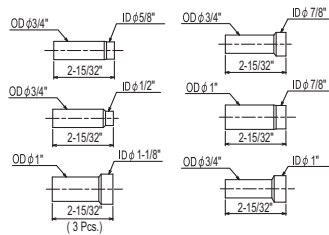
Ref.: CMY_Y202_G2_EXD_EUDB_SI in.

For Gas pipe:

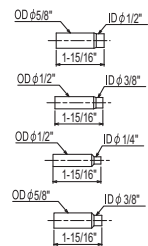
For Liquid pipe:



<Reducer(Accessory)>



<Reducer(Accessory)>



ID: Inner Diameter OD: Outer Diameter

CMY-RS200UEB <PURY-P96TJMU/YJMU> in.

For Low pressure pipe: For High pressure pipe:

ID: Inner Diameter OD: Outer Diameter

CMY-RS300UEB <PURY-P120TJMU/YJMU> in.

For High pressure pipe:

ID: Inner Diameter OD: Outer Diameter

CMY-RS400UEB <PURY-P144TJMU/YJMU> in.

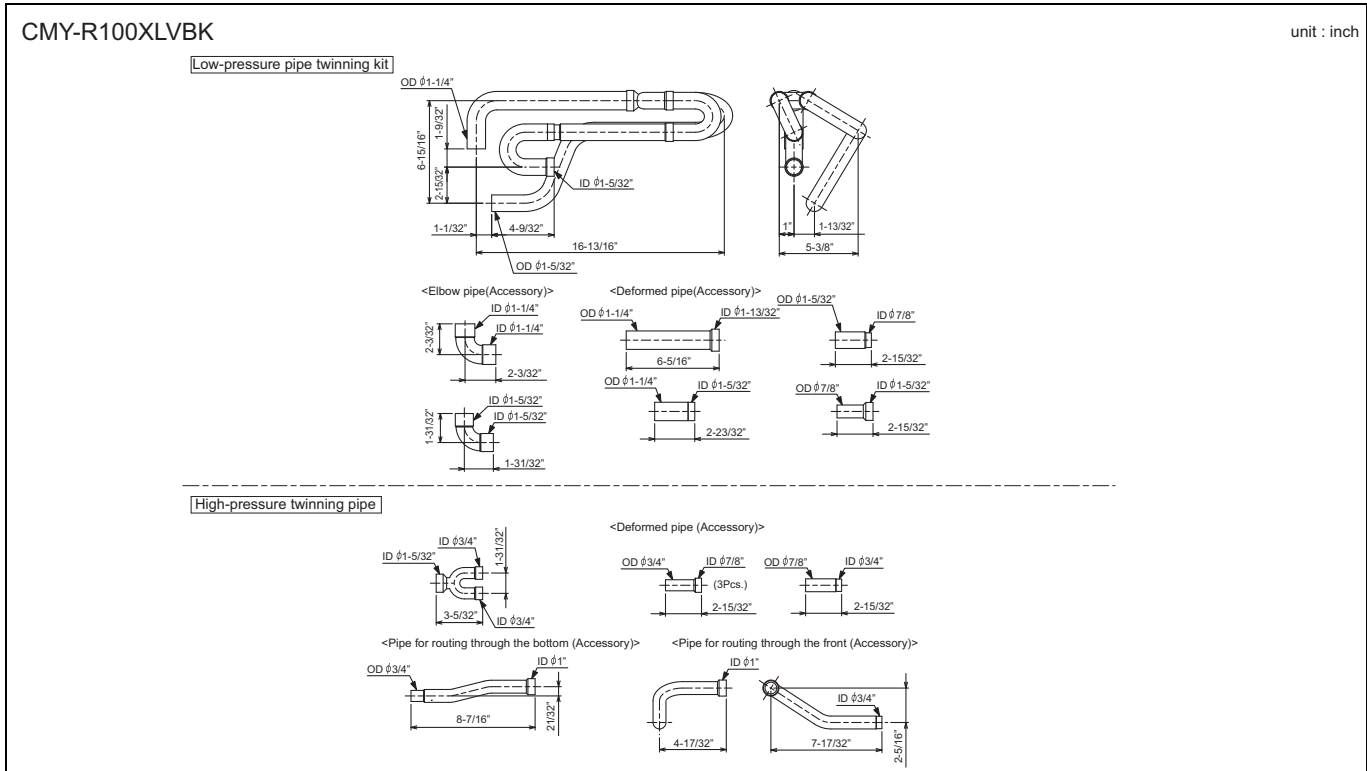
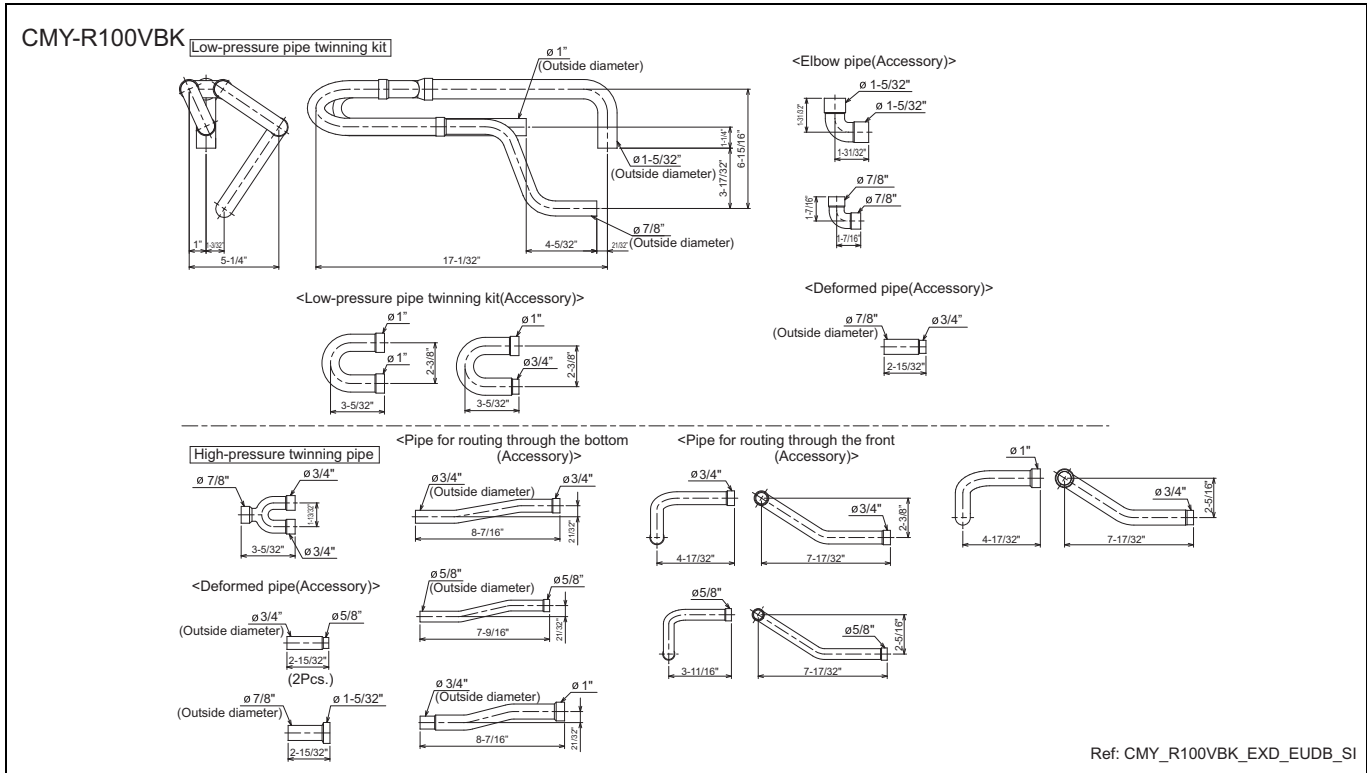
For High pressure pipe:

ID: Inner Diameter OD: Outer Diameter

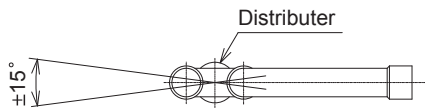
R2

7-2. OUTDOOR TWINNING KIT

The Outdoor Twinning Kit is needed for PURY-P-TSJM/YSJM to combine to refrigerant flows of the PURY-P-TJMU/YJMU 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.

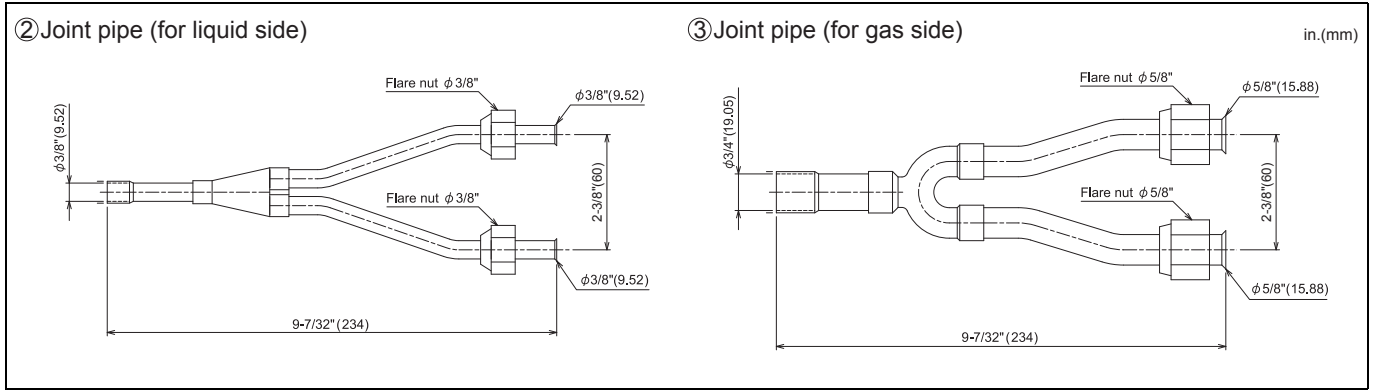
2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts).

7-3. 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)JMU/Y(S)JMU system to enable Indoor capacity above P54 as shown in Fig. 1.

The Joint kit include following items:

① Instructions 1pc	② Joint pipe (for liquid side) 1pc	③ Joint pipe (for gas side) 1pc	④ Cover 1 2pcs	⑤ Cover 2 (for gas side) 1pc	⑥ Cover 3 (for liquid side) 1pc	⑦ Band 8pcs	⑧ Reducer 2pcs
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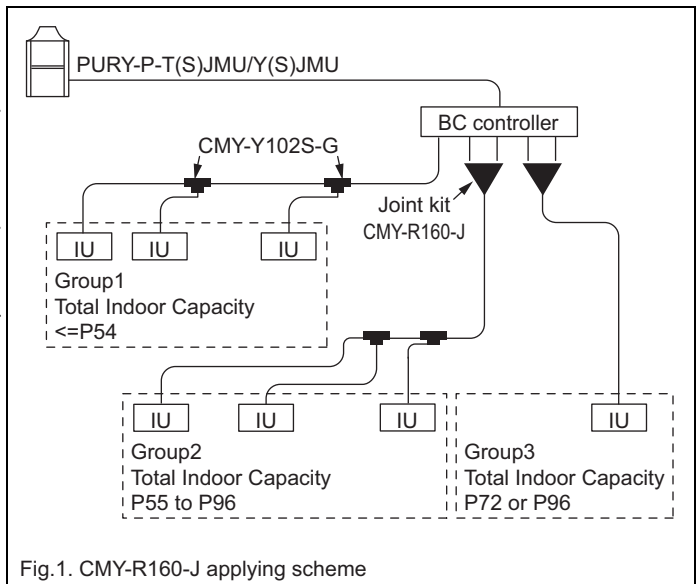
1. Designing CMY-R160-J to a PURY-P-T(S)JMU/Y(S)JMU system

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.

