

OUTDOOR UNITS

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1. SPECIFICATIONS

1-1. PURY-P72~288T(S)KMU-A Specifications

Model			PURY-P72TKMU-A(-BS)		PURY-P96TKMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz		3-phase 3-wire 208 / 230V ±10% 60Hz	
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	72,000		96,000	
		kW	21.1		28.1	
	Power input	kW	4.40 *4		7.05 *4	
Temp. range of cooling *3	Current input	A	13.5 / 12.2 *4		21.7 / 19.6 *4	
	Indoor	W.B.	59~75° F(15~24° C)		59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5		23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (208/230V)		Btu/h	80,000		108,000	
		kW	23.4		31.7	
	Power input	kW	5.92 *4		8.28 *4	
Temp. range of heating *3	Current input	A	18.2 / 16.5 *4		25.5 / 23.0 *4	
	Indoor	D.B.	59~81° F(15~27° C)		59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)		-13~60° F(-25~15.5° C)	
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		58.0	
Refrigerant piping diameter	High pressure	In. (mm)	5/8"(15.88) Brazed		3/4"(19.05) Brazed	
	Low pressure	In. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	CFM	6,200		6,200	
		m³ / min	175		175	
		L/s	2,920		2,920	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92	
	External static pressure *6		0 in.WG (0 Pa) *6		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Operating Range		17% to 100%		16% to 100%	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.7		6.7	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 1,220 x 740		1,650 x 1,220 x 740	
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-current protection		Over-current protection	
	Fan motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	23 / 21		34 / 31	
Recommended Fuse/Breaker Size		A	25		35	
Maximum Fuse Size		A	30		40	
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		Indoor LEV and BC controller	
Net weight		lbs (kg)	503 (228)		538 (244)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R359		KD94R359	
	Wiring		KE94C646		KE94C648	
Standard attachment	Document		Installation Manual		Installation Manual	
	Accessory		Details refer to External Drw		Details refer to External Drw	
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J		Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J	
			BC controller: CMB-P105,106,108,1010,1013, 1016NU-G		BC controller: CMB-P105,106,108,1010,1013, 1016NU-G	
			Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA		Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA	
			Sub BC controller: CMB-P104,108NU-GB, CMB-P1016NU-HB		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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.		kcal =kW x 860	
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)		BTU/h =kW x 3,412	
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)		cfm =m³/min x 35.31 lb =kg / 0.4536	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.	
Level difference:	0ft.(0m)		0ft.(0m)			
* Due to continuing improvement, above specifications may be subject to change without notice.						

1. SPECIFICATIONS

Model			PURY-P120TKMU-A(-BS)	PURY-P144TKMU-A(-BS)
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz	3-phase 3-wire 208 / 230V ±10% 60Hz
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	120,000	144,000
		kW	35.2	42.2
	Power input	kW	9.44 *4	11.2 *4
	Current input	A	29.1 / 26.3 *4	34.5 / 31.2 *4
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	59~75° F(15~24° C)
	Outdoor	D.B.	23~115° F(-5~46° C) *5	23~115° F(-5~46° C) *5
Heating capacity (Nominal) *2 (208/230V)		Btu/h	135,000	160,000
		kW	39.6	46.9
	Power input	kW	10.86 *4	13.54 *4
	Current input	A	33.4 / 30.2 *4	41.7 / 37.7 *4
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	59~81° F(15~27° C)
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	-13~60° F(-25~15.5° C)
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
Refrigerant piping diameter	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	1-1/8"(28.58) Brazed
Fan	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	CFM	11,300	11,300
		m³ / min	320	320
		L/s	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORPORATION	AC&R Works,MITSUBISHI ELECTRIC CORPORATION
	Operating Range		15% to 100%	15% to 100%
	Starting method		Inverter	Inverter
	Motor output	kW	8.2	9.5
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <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 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740
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-current protection	Over-current protection
	Fan motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity		A	45 / 42	53 / 48
Recommended Fuse/Breaker Size		A	50	60
Maximum Fuse Size		A	50	60
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	Indoor LEV and BC controller
Net weight		lbs (kg)	715 (324)	715 (324)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		KD94R360	KD94R360
	Wiring		KE94C650	KE94C650
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw	Details refer to External Drw
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J
			BC controller: CMB-P105,106,108,1010,1013, 1016NU-G	-
			Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA	Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA
			Sub BC controller: CMB-P104,108NU-GB, CMB-P1016NU-HB	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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	

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

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

1. SPECIFICATIONS

Model			PURY-P168TSKMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz			
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	168,000			
		kW	49.2			
	Power input	kW	12.8 *4			
	Current input	A	39.4 / 35.7 *4			
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)			
	Outdoor	D.B.	23~115° F(-5~46° C) *5			
Heating capacity (Nominal) *2 (208/230V)		Btu/h	188,000			
		kW	55.1			
	Power input	kW	14.91 *4			
	Current input	A	45.9 / 41.5 *4			
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)			
	Outdoor	W.B.	-13~60° F(-25~15.5° C)			
System Compressor Operating Range			7% to 100%			
Indoor unit connectable	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			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	7/8"(22.2) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PURY-P72TKMU-A(-BS)		PURY-P96TKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	CFM	6,200		6,200	
		m³ / min	175		175	
		L/s	2,920		2,920	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92	
External static pressure *6			0 in.WG (0 Pa) *6		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.7		4.7	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 1,220 x 740		1,650 x 1,220 x 740	
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-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	23 / 21		34 / 31	
Recommended Fuse/Breaker Size		A	25		35	
Maximum Fuse Size		A	30		40	
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)	503 (228)		538 (244)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	5/8"(15.88) Brazed		3/4"(19.05) Brazed	
	Gas pipe	In. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R352			
	Wiring		KE94C646		KE94C648	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100CBK2			
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860	
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)		BTU/h =kW x 3,412	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		cfm =m³/min x 35.31	
Level difference:	0ft.(0m)		0ft.(0m)		lb =kg / 0.4536	
* Due to continuing improvement, above specifications may be subject to change without notice.						

1. SPECIFICATIONS

Model			PURY-P192TSKMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz	
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	192,000	
		kW	56.3	
	Power input	kW	15.61 *4	
	Current input	A	48.1 / 43.5 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (208/230V)		Btu/h	215,000	
		kW	63.0	
	Power input	kW	17.2 *4	
	Current input	A	53.0 / 47.9 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			8% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	7/8"(22.2) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96TKMU-A(-BS)	PURY-P96TKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	CFM	6,200	6,200
		m³ / min	175	175
		L/s	2,920	2,920
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92	0.92
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	6.7	6.7
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32
		mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740
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-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	34 / 31	34 / 31
Recommended Fuse/Breaker Size		A	35	35
Maximum Fuse Size		A	40	40
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)	538 (244)	538 (244)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	3/4"(19.05) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	7/8"(22.2) Brazed
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R352	
	Wiring		KE94C648	KE94C648
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100CBK2	
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.	kcal =kW x 860
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)	BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P216TSKMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz	
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	216,000	
		kW	63.3	
	Power input	kW	18.22 *4	
	Current input	A	56.1 / 50.8 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (208/230V)		Btu/h	243,000	
		kW	71.2	
	Power input	kW	19.89 *4	
	Current input	A	61.3 / 55.4 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			8% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96TKMU-A(-BS)	PURY-P120TKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m³ / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	8.2	6.7
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,220 x 740	1,650 x 1,750 x 740
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-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	34 / 31	45 / 42
Recommended Fuse/Breaker Size		A	35	50
Maximum Fuse Size		A	40	50
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)	538 (244)	715 (324)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	3/4"(19.05) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	1-1/8"(28.58) Brazed
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R353	
	Wiring		KE94C648	KE94C650
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK	
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B.		70degF D.B.	kcal =kW x 860
	(26.7degC D.B. / 19.4degC W.B.)		(21.1degC D.B.)	BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B.	cfm =m³/min x 35.31
			(8.3degC D.B. / 6.1degC W.B.)	lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P240TSKMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz	
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	240,000	
		kW	70.3	
	Power input	kW	21.11 *4	
	Current input	A	65.1 / 58.8 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (208/230V)		Btu/h	270,000	
		kW	79.1	
	Power input	kW	22.73 *4	
	Current input	A	70.1 / 63.3 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			7% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed	
Set Model				
Model			PURY-P120TKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 2	
	Airflow rate	CFM	11,300	
		m³ / min	320	
		L/s	5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	
External static pressure *6		0 in.WG (0 Pa) *6		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	8.2	
	Lubricant		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		
External dimension H x W x D		In.	64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 1,750 x 740	
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection	
	Fan Motor		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	45 / 42	
Recommended Fuse/Breaker Size		A	50	
Maximum Fuse Size		A	50	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	715 (324)	
Heat exchanger		Salt-resistant cross fin & copper tube		
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R354	
	Wiring		KE94C650	KE94C650
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts	Outdoor Twinning kit: CMY-R100XLCBK			
	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P264TSKMU-A(-BS)		
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz		
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	264,000		
		kW	77.4		
	Power input	kW	23.09 *4		
	Current input	A	71.2 / 64.4 *4		
Temp. range of cooling *3	Indoor	W.B.	59~75°F(15~24°C)		
	Outdoor	D.B.	23~115°F(-5~46°C) *5		
Heating capacity (Nominal) *2 (208/230V)		Btu/h	295,000		
		kW	86.5		
	Power input	kW	24.95 *4		
	Current input	A	76.9 / 69.5 *4		
Temp. range of heating *3	Indoor	D.B.	59~81°F(15~27° C)		
	Outdoor	W.B.	-13~60° F(-25~15.5° C)		
System Compressor Operating Range			7% to 100%		
Indoor unit connectable	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		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed		
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed		
Set Model					
Model			PURY-P120TKMU-A(-BS)	PURY-P144TKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 2	Propeller fan x 2	
	Airflow rate	CFM	11,300	11,300	
		m³ / min	320	320	
		L/s	5,330	5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	
	Motor output	kW	0.92±0.92	0.92±0.92	
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	Inverter	
	Motor output	kW	9.5	8.2	
	Lubricant		MEL32	MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <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 29-5/32		64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740
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-current protection		Over-current protection
	Fan Motor		Thermal switch		Thermal switch
Minimum Circuit Ampacity (MCA)		A	45 / 42		53 / 48
Recommended Fuse/Breaker Size		A	50		60
Maximum Fuse Size		A	50		60
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)	715 (324)		715 (324)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R354		
	Wiring		KE94C650	KE94C650	
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK		
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.		
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860
					BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)		cfm =m³/min x 35.31
					lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)		
* Due to continuing improvement, above specifications may be subject to change without notice.					

1. SPECIFICATIONS

Model			PURY-P288TSKMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz	
Cooling capacity (Nominal) *1 (208/230V)		Btu/h	288,000	
		kW	84.4	
	Power input	kW	24.57 *4	
	Current input	A	75.7 / 68.5 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F (15~24° C)	
	Outdoor	D.B.	23~115° F (-5~46° C) *5	
Heating capacity (Nominal) *2 (208/230V)		Btu/h	320,000	
		kW	93.8	
	Power input	kW	27.62 *4	
	Current input	A	85.1 / 77.0 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F (15~27° C)	
	Outdoor	W.B.	-13~60° F (-25~15.5° C)	
System Compressor Operating Range			7% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed	
Set Model				
Model			PURY-P144TKMU-A(-BS)	PURY-P144TKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 2	
	Airflow rate	CFM	11,300	
		m³ / min	320	
		L/s	5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	
	External static pressure *6		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	9.5	
	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			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection	
	Fan Motor		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	53 / 48	
Recommended Fuse/Breaker Size		A	60	
Maximum Fuse Size		A	60	
Refrigerant	Type x original charge		R410A x 26lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	715 (324)	
Heat exchanger			Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	7/8"(22.2) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R354	
	Wiring		KE94C650	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK	
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B.		70degF D.B.	kcal =kW x 860
	(26.7degC D.B. / 19.4degC W.B.)		(21.1degC D.B.)	BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm =m³/min x 35.31
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	lb =kg / 0.4536
Level difference:	0ft.(0m)		0ft.(0m)	* Above specification data is subject to rounding variation.
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

1-2. PURY-P72~288Y(S)KMU-A Specifications

Model			PURY-P72YKMU-A(-BS)	PURY-P96YKMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz	3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal) *1 (460V)		Btu/h	72,000	96,000
		kW	21.1	28.1
	Power input	kW	4.4 *4	7.05 *4
	Current input	A	6.1 *4	9.8 *4
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	59~75° F(15~24° C)
	Outdoor	D.B.	23~115° F(-5~46° C) *5	23~115° F(-5~46° C) *5
Heating capacity (Nominal) *2 (460V)		Btu/h	80,000	108,000
		kW	23.4	31.7
	Power input	kW	5.92 *4	8.28 *4
	Current input	A	8.2 *4	11.5 *4
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	59~81° F(15~27° C)
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	-13~60° F(-25~15.5° C)
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	58.0
Refrigerant piping diameter	High pressure	In. (mm)	5/8"(15.88) Brazed	3/4"(19.05) Brazed
	Low pressure	In. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	CFM	6,200	6,200
		m³ / min	175	175
		L/s	2,920	2,920
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92	0.92
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.
	Operating Range		17% to 100%	16% to 100%
	Starting method		Inverter	Inverter
	Motor output	kW	4.7	6.7
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 X 48-1/16 X 29-5/32
		mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740
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-current protection	Over-current protection
	Fan motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	11	15
Recommended Fuse/Breaker Size		A	15	20
Maximum Fuse Size		A	15	20
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight		lbs (kg)	534 (242)	574 (260)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		KD94R361	KD94R361
	Wiring		KE94C642	KE94C642
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw	Details refer to External Drw
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J
			BC controller: CMB-P105,106,108,1010,1013, 1016NU-G	BC controller: CMB-P105,106,108,1010,1013, 1016NU-G
			Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA	Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA
			Sub BC controller: CMB-P104,108NU-GB, CMB-P1016NU-HB	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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	

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

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

1. SPECIFICATIONS

Model			PURY-P120YKMU-A(-BS)	PURY-P144YKMU-A(-BS)
Power source			3-phase 3-wire 460V ±10% 60Hz	3-phase 3-wire 460V ±10% 60Hz
Cooling capacity (Nominal) *1 (460V)		Btu/h	120,000	144,000
		kW	35.2	42.2
	Power input	kW	9.44 *4	11.2 *4
	Current input	A	13.1 *4	15.6 *4
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	59~75° F(15~24° C)
	Outdoor	D.B.	23~115° F(-5~46° C) *5	23~115° F(-5~46° C) *5
Heating capacity (Nominal) *2 (460V)		Btu/h	135,000	160,000
		kW	39.6	46.9
	Power input	kW	10.86 *4	13.54 *4
	Current input	A	15.1 *4	18.8 *4
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	59~81° F(15~27° C)
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	-13~60° F(-25~15.5° C)
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
Refrigerant piping diameter	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	Propeller fan x 2
	Air flow rate	CFM	11,300	11,300
		m³ / min	320	320
		L/s	5,330	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.
	Operating Range		15% to 100%	15% to 100%
	Starting method		Inverter	Inverter
	Motor output	kW	8.2	9.5
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740
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-current protection	Over-current protection
	Fan motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	21	24
Recommended Fuse/Breaker Size		A	25	25
Maximum Fuse Size		A	25	30
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight	lbs (kg)		743 (337)	743 (337)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		KD94R362	KD94R362
	Wiring		KE94C644	KE94C644
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw	Details refer to External Drw
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160C-J
			BC controller: CMB-P105,106,108,1010,1013, 1016NU-G	-
			Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA	Main BC controller: CMB-P108,1010,1013, 1016NU-GA,1016NU-HA
			Sub BC controller: CMB-P104,108NU-GB, CMB-P1016NU-HB	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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	

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

1. SPECIFICATIONS

Model			PURY-P144YSKMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal) *1 (460V)		Btu/h	144,000		
		kW	42.2		
	Power input	kW	10.31 *4		
	Current input	A	14.3 *4		
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)		
	Outdoor	D.B.	23~115° F(-5~46° C) *5		
Heating capacity (Nominal) *2 (460V)		Btu/h	160,000		
		kW	46.9		
	Power input	kW	12.54 *4		
	Current input	A	17.4 *4		
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)		
	Outdoor	W.B.	-13~60° F(-25~15.5° C)		
System Compressor Operating Range			8% to 100%		
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P06~P96/1~36		
Sound pressure level (measured in anechoic room)			dB <A>		
			61.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	7/8"(22.2) Brazed		
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		
Set Model					
Model			PURY-P72YKMU-A(-BS)		
Fan	Type x Quantity		Propeller fan x 1		
	Airflow rate	CFM	6,200		
		m³ / min	175		
		L/s	2,920		
	Control , Driving mechanism		Inverter-control, Brushless DC motor		
	Motor output	kW	0.92		
	External static pressure *6		0 in.WG (0 Pa) *6		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		
	Starting method		Inverter		
	Motor output	kW	4.7		
	Lubricant		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		
External dimension H x W x D			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		
Protection devices	High pressure protection	In.	64-31/32 x 48-1/16 x 29-5/32		
		mm	1,650 x 1,220 x 740		
		High pressure sensor,High pressure switch at 4.15MPa(601 psi)		High pressure sensor,High pressure switch at 4.15MPa(601 psi)	
		Over-current protection		Over-current protection	
Fan Motor			Thermal switch		
Minimum Circuit Ampacity (MCA)			11		
Recommended Fuse/Breaker Size			15		
Maximum Fuse Size			15		
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		
	Control		Indoor LEV and BC controller		
Net weight			534 (242)		
Heat exchanger			Salt-resistant cross fin & copper tube		
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	5/8"(15.88) Brazed		
	Gas pipe	In. (mm)	3/4"(19.05) Brazed		
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R355		
	Wiring		KE94C642		
Standard attachment	Document		Installation Manual		
	Accessory				
Optional parts	Details refer to External Drw				
	Outdoor Twinning kit: CMY-R100CBK2				
	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-J				
	Main BC controller: CMB-P108,1010,1013,1016NU-GA,1016NU-HA				
Remark	Sub BC controller: CMB-P104,108NU-GB,CMB-P1016NU-HB				
	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
	*3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.				
	*4 For details on the electrical data needed for installing these units, see the R2-Series System Design section.				
	*5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information.				
*6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).					
*7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.					
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.		
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)		
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B.		
			(8.3degC D.B./ 6.1degC W.B.)		
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		
Level difference:	0ft.(0m)		0ft.(0m)		
* Above specification data is subject to rounding variation.					
* Due to continuing improvement, above specifications may be subject to change without notice.					

1. SPECIFICATIONS

Model			PURY-P168YSKMU-A(-BS)			
Power source			3-phase 3-wire 460V ±10% 60Hz			
Cooling capacity (Nominal) *1 (460V)		Btu/h	168,000			
		kW	49.2			
	Power input	kW	12.8 *4			
	Current input	A	17.8 *4			
Temp. range of cooling *3	Indoor	W.B.	59~75° F (15~24° C)			
	Outdoor	D.B.	23~115° F (-5~46° C) *5			
Heating capacity (Nominal) *2 (460V)		Btu/h	188,000			
		kW	55.1			
	Power input	kW	14.91 *4			
	Current input	A	20.7 *4			
Temp. range of heating *3	Indoor	D.B.	59~81° F (15~27° C)			
	Outdoor	W.B.	-13~60° F (-25~15.5° C)			
System Compressor Operating Range			7% to 100%			
Indoor unit connectable	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			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	7/8"(22.2) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PURY-P72YKMU-A(-BS)		PURY-P96YKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	CFM	6,200		6,200	
		m³ / min	175		175	
		L/s	2,920		2,920	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92	
External static pressure *6		0 in.WG (0 Pa) *6		0 in.WG (0 Pa) *6		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.7		4.7	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 48-1/16 x 29-5/32		64-31/32 X 48-1/16 X 29-5/32	
		mm	1,650 x 1,220 x 740		1,650 x 1,220 x 740	
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-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	11		15	
Recommended Fuse/Breaker Size		A	15		20	
Maximum Fuse Size		A	15		20	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	534 (242)		574 (260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	5/8"(15.88) Brazed		3/4"(19.05) Brazed	
	Gas pipe	In. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R355			
	Wiring		KE94C642		KE94C642	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100CBK2			
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.		kcal =kW x 860	
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)		BTU/h =kW x 3,412	
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B.		cfm =m³/min x 35.31	
			(8.3degC D.B./ 6.1degC W.B.)		lb =kg / 0.4536	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.	
Level difference:	0ft.(0m)		0ft.(0m)			
* Due to continuing improvement, above specifications may be subject to change without notice.						

1. SPECIFICATIONS

Model			PURY-P192YSKMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal) *1 (460V)		Btu/h	192,000	
		kW	56.3	
	Power input	kW	15.61 *4	
	Current input	A	21.7 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (460V)		Btu/h	215,000	
		kW	63.0	
	Power input	kW	17.2 *4	
	Current input	A	23.9 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			8% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	7/8"(22.2) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96YKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	CFM	6,200	
		m³ / min	175	
		L/s	2,920	
	Control , Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92	
	External static pressure *6		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	6.7	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
Protection devices	High pressure protection	In.	64-31/32 X 48-1/16 X 29-5/32	
		mm	1,650 x 1,220 x 740	
		High pressure sensor,High pressure switch at 4.15MPa(601 psi)		
		High pressure sensor,High pressure switch at 4.15MPa(601 psi)		
Minimum Circuit Ampacity (MCA)	A		15	
	A		20	
	A		20	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		Indoor LEV and BC controller	
Net weight	lbs (kg)		574 (260)	
Heat exchanger			Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R355	
	Wiring		KE94C642	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100CBK2	
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.	
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)	
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B.	
			(8.3degC D.B./ 6.1degC W.B.)	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	
Level difference:	0ft.(0m)		0ft.(0m)	
* Above specification data is subject to rounding variation.				
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P216YSKMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal) *1 (460V)		Btu/h	216,000	
		kW	63.3	
	Power input	kW	18.22 *4	
Temp. range of cooling *3	Current input	A	25.4 *4	
	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (460V)		Btu/h	243,000	
		kW	71.2	
	Power input	kW	19.89 *4	
Temp. range of heating *3	Current input	A	27.7 *4	
	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			8% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96YKMU-A(-BS)	PURY-P120YKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m³ / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92
Compressor	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	AC&R Works,MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	8.2	6.7
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>
External dimension H x W x D		In.	64-31/32 X 48-1/16 X 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,220 x 740	1,650 x 1,750 x 740
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-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	15	21
Recommended Fuse/Breaker Size		A	20	25
Maximum Fuse Size		A	20	25
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	574 (260)	743 (337)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	3/4"(19.05) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	1-1/8"(28.58) Brazed
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R356	
	Wiring		KE94C642	KE94C644
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK	
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P240YSKMU-A(-BS)	
Power source			3-phase 3-wire 460V ±10% 60Hz	
Cooling capacity (Nominal) *1 (460V)		Btu/h	240,000	
		kW	70.3	
	Power input	kW	21.11 *4	
	Current input	A	29.4 *4	
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)	
	Outdoor	D.B.	23~115° F(-5~46° C) *5	
Heating capacity (Nominal) *2 (460V)		Btu/h	270,000	
		kW	79.1	
	Power input	kW	22.73 *4	
	Current input	A	31.6 *4	
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)	
	Outdoor	W.B.	-13~60° F(-25~15.5° C)	
System Compressor Operating Range			7% to 100%	
Indoor unit connectable	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	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed	
Set Model				
Model			PURY-P120YKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 2	
	Airflow rate	CFM	11,300	
		m³ / min	320	
		L/s	5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	
Compressor	External static pressure *6		0 in.WG (0 Pa) *6	
	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	8.2	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
Protection devices	High pressure protection		High pressure sensor,High pressure switch at 4.15MPa(601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection	
	Fan Motor		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	21	
Recommended Fuse/Breaker Size		A	25	
Maximum Fuse Size		A	25	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	743 (337)	
Heat exchanger			Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R357	
	Wiring		KE94C644	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts	Outdoor Twinning kit: CMY-R100XLCBK			
	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.	
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions	
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)	
	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)	
Level difference:	0ft.(0m)		0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.				

1. SPECIFICATIONS

Model			PURY-P264YSKMU-A(-BS)			
Power source			3-phase 3-wire 460V ±10% 60Hz			
Cooling capacity (Nominal) *1 (460V)		Btu/h	264,000			
		kW	77.4			
	Power input	kW	23.05 *4			
Temp. range of cooling *3	Current input	A	32.1 *4			
	Indoor	W.B.	59~75° F(15~24° C)			
	Outdoor	D.B.	23~115° F(-5~46° C) *5			
Heating capacity (Nominal) *2 (460V)		Btu/h	295,000			
		kW	86.5			
	Power input	kW	25.37 *4			
Temp. range of heating *3	Current input	A	35.3 *4			
	Indoor	D.B.	59~81° F(15~27° C)			
	Outdoor	W.B.	-13~60° F(-25~15.5° C)			
System Compressor Operating Range			7% to 100%			
Indoor unit connectable	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			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed			
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed			
Set Model						
Model			PURY-P120YKMU-A(-BS)		PURY-P144YKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	CFM	11,300		11,300	
		m³ / min	320		320	
		L/s	5,330		5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92	
External static pressure *6			0 in.WG (0 Pa) *6		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		AC&R Works,MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.5		8.2	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>	
External dimension H x W x D		In.	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740	
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-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	21		24	
Recommended Fuse/Breaker Size		A	25		25	
Maximum Fuse Size		A	25		30	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	743 (337)		743 (337)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R357			
	Wiring		KE94C644		KE94C644	
Standard attachment	Document		Installation Manual			
	Accessory					
Optional parts			Details refer to External Drw			
			Outdoor Twinning kit: CMY-R100XLCBK			
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860 BTU/h =kW x 3,412	
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)		cfm =m³/min x 35.31 lb =kg / 0.4536	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.	
Level difference:	0ft.(0m)		0ft.(0m)			
* Due to continuing improvement, above specifications may be subject to change without notice.						

1. SPECIFICATIONS

Model			PURY-P288YSKMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal) *1 (460V)		Btu/h	288,000		
		kW	84.4		
	Power input	kW	24.57 *4		
	Current input	A	34.2 *4		
Temp. range of cooling *3	Indoor	W.B.	59~75° F(15~24° C)		
	Outdoor	D.B.	23~115° F(-5~46° C) *5		
Heating capacity (Nominal) *2 (460V)		Btu/h	320,000		
		kW	93.8		
	Power input	kW	27.62 *4		
	Current input	A	38.5 *4		
Temp. range of heating *3	Indoor	D.B.	59~81° F(15~27° C)		
	Outdoor	W.B.	-13~60° F(-25~15.5° C)		
System Compressor Operating Range			7% to 100%		
Indoor unit connectable	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		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1-1/8"(28.58) Brazed		
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed		
Set Model					
Model			PURY-P144YKMU-A(-BS)		PURY-P144YKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 2		Propeller fan x 2
	Airflow rate	CFM	11,300		11,300
		m³ / min	320		320
		L/s	5,330		5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92		0.92+0.92
	External static pressure *6		0 in.WG (0 Pa) *6		0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works,MITSUBISHI ELECTRIC CORP.		AC&R Works,MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter		Inverter
	Motor output	kW	9.5		9.5
	Lubricant		MEL32		MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1>
External dimension H x W x D		In.	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740
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-current protection		Over-current protection
	Fan Motor		Thermal switch		Thermal switch
Minimum Circuit Ampacity (MCA)		A	24		24
Recommended Fuse/Breaker Size		A	25		25
Maximum Fuse Size		A	30		30
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)
	Control		Indoor LEV and BC controller		
Net weight		lbs (kg)	743 (337)		743 (337)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	7/8"(22.2) Brazed		7/8"(22.2) Brazed
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R357		
	Wiring		KE94C644		KE94C644
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK		
			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-Y202S-G2,CMY-R160C-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. *3 When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.. *4 For details on the electrical data needed for installing these units, see the R2-Series System Design section. *5 For details on extended ambient cooling operation range down to -10°FDB (-23°CDB), see Low Ambient Cooling Kit information. *6 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *7 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section.		
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter
Indoor:	80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)		70degF D.B. (21.1degC D.B.)		kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)		cfm =m³/min x 35.31 lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)		
* Due to continuing improvement, above specifications may be subject to change without notice.					

1. SPECIFICATIONS

Efficiency Ratings

Model	IDU Type	EER (95° F) *1	IEER *1	HI COP (47° F) *1	LOW COP (17° F) *1	SCHE *2
PURY-P72YKMU-A (-BS)	Ducted / Non-Ducted	13.9 / 15.5	21.1 / 21.1	3.81 / 3.72	2.62 / 2.49	23.6 / 24.5
PURY-P96YKMU-A (-BS)	Ducted / Non-Ducted	12.2 / 13.6	19.7 / 20.9	3.64 / 3.71	2.47 / 2.49	17.4 / 23.5
PURY-P120YKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 12.2	18.6 / 20.8	3.45 / 3.61	2.31 / 2.42	16.8 / 19.7
PURY-P144YKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 12.7	18.0 / 20.9	3.41 / 3.28	2.32 / 2.06	18.2 / 20.2
PURY-P144YSKMU-A (-BS)	Ducted / Non-Ducted	12.0 / 14.4	18.8 / 20.6	3.54 / 3.65	2.41 / 2.30	21.8 / 24.0
PURY-P168YSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.9	19.4 / 19.1	3.63 / 3.52	2.54 / 2.22	20.0 / 22.6
PURY-P192YSKMU-A (-BS)	Ducted / Non-Ducted	11.6 / 11.9	19.3 / 18.2	3.64 / 3.47	2.54 / 2.18	17.4 / 21.8
PURY-P216YSKMU-A (-BS)	Ducted / Non-Ducted	11.4 / 11.3	18.7 / 18.3	3.54 / 3.43	2.27 / 2.16	17.1 / 20.1
PURY-P240YSKMU-A (-BS)	Ducted / Non-Ducted	10.9 / 10.9	17.8 / 18.5	3.38 / 3.42	2.13 / 2.15	16.5 / 18.6
PURY-P264YSKMU-A (-BS)	Ducted / Non-Ducted	11.0 / 11.0	17.7 / 18.4	3.40 / 3.25	2.36 / 2.08	17.3 / 18.7
PURY-P288YSKMU-A (-BS)	Ducted / Non-Ducted	11.2 / 11.3	17.6 / 18.6	3.41 / 3.20	2.36 / 2.05	18.2 / 19.0
PURY-P72TKMU-A (-BS)	Ducted / Non-Ducted	13.9 / 15.5	21.1 / 22.1	3.81 / 3.72	2.62 / 2.49	23.6 / 24.5
PURY-P96TKMU-A (-BS)	Ducted / Non-Ducted	12.2 / 13.6	19.7 / 20.9	3.64 / 3.71	2.47 / 2.49	17.4 / 23.5
PURY-P120TKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 12.2	18.6 / 20.8	3.45 / 3.61	2.31 / 2.42	16.8 / 19.7
PURY-P144TKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 12.7	18.0 / 20.9	3.41 / 3.28	2.32 / 2.06	18.2 / 20.2
PURY-P168TSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.9	19.4 / 19.1	3.63 / 3.52	2.54 / 2.22	20.0 / 22.6
PURY-P192TSKMU-A (-BS)	Ducted / Non-Ducted	11.6 / 11.9	19.3 / 18.2	3.64 / 3.47	2.54 / 2.18	17.4 / 21.8
PURY-P216TSKMU-A (-BS)	Ducted / Non-Ducted	11.4 / 11.3	18.7 / 18.3	3.54 / 3.43	2.27 / 2.16	17.1 / 20.1
PURY-P240TSKMU-A (-BS)	Ducted / Non-Ducted	10.9 / 10.9	17.8 / 18.5	3.38 / 3.42	2.13 / 2.15	16.5 / 18.6
PURY-P264TSKMU-A (-BS)	Ducted / Non-Ducted	11.0 / 11.0	17.7 / 18.4	3.40 / 3.25	2.36 / 2.08	17.3 / 18.7
PURY-P288TSKMU-A (-BS)	Ducted / Non-Ducted	11.2 / 11.3	17.6 / 18.6	3.41 / 3.20	2.36 / 2.05	18.2 / 19.0
Note:	*1. Efficiency values based on AHRI 1230 test method. *2. Simultaneous Cooling and Heating Efficiency (SCHE) is not a certified value. (Verified Rating only until 2013).					

2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)

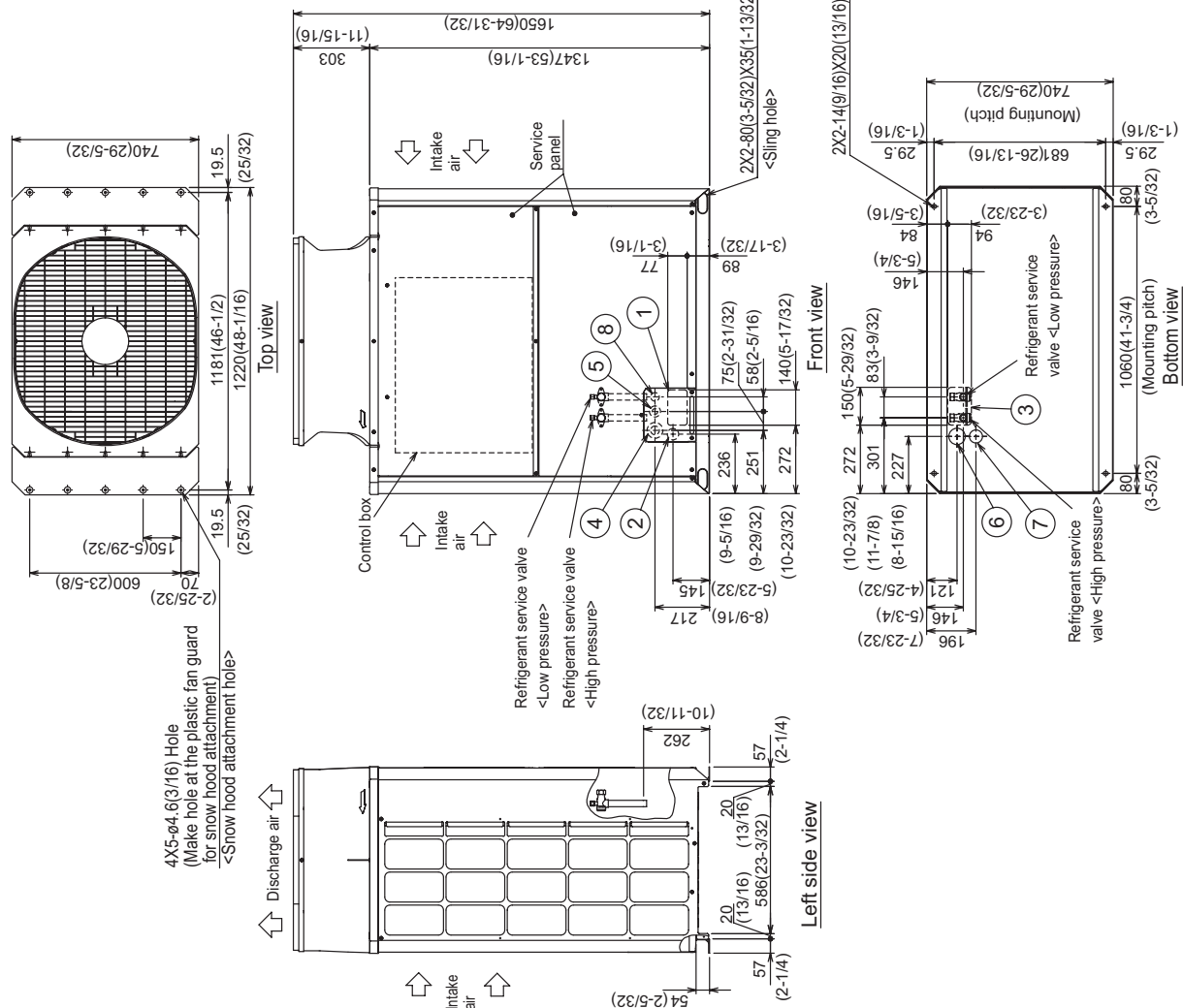
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P72TKMU	ø15.88 Braze (5/8) *1	ø19.05 Braze (3/4) *1	ø25.4 (1)	ø25.4 (1)
PURY-P96TKMU	ø19.05 Braze (3/4) *1	ø22.2 Braze (7/8) *1	ø25.4 (1)	ø25.4 (1)

*1 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

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	Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	For transmission cables	ø34 Knockout hole (1-11/32)



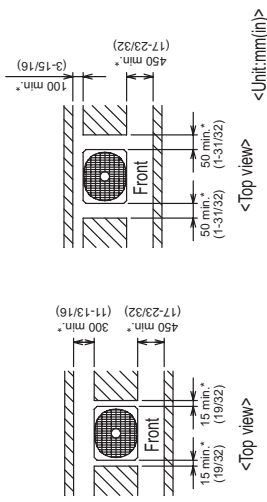
2. EXTERNAL DIMENSIONS

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

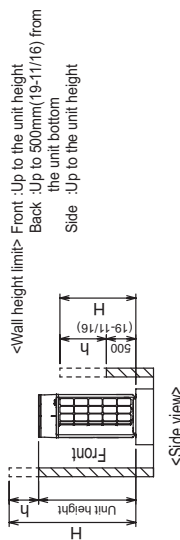
1. Required space around the unit

● In case of single installation

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



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

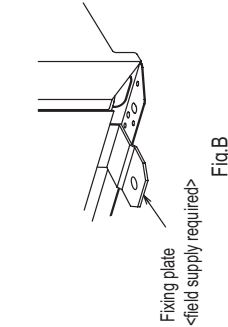
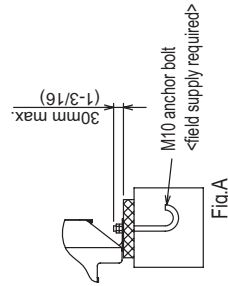
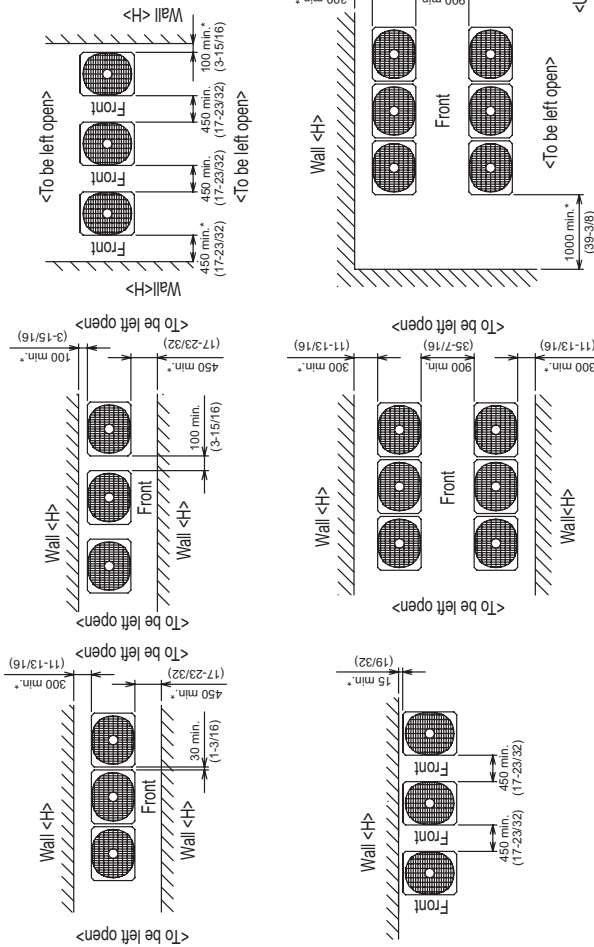


2. Foundation work

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

2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)

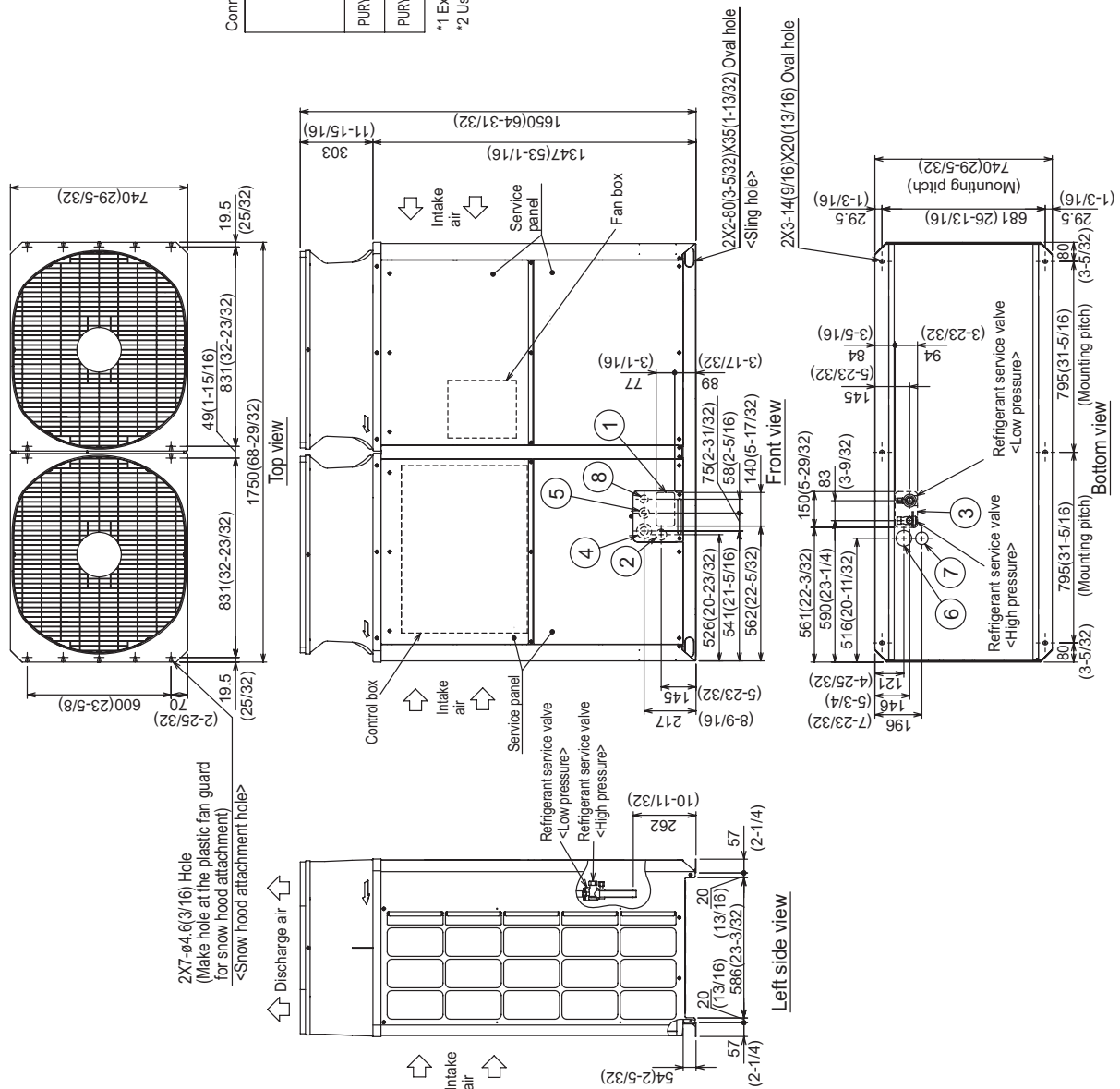
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P120TKMU	ø19.05 Brazed (3/4) *2	ø28.58 Brazed (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)
PURY-P144TKMU	ø22.2 Brazed (7/8) *2	ø28.58 Brazed (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)

*1 Expand the on-site piping and connect to the refrigerant service valve piping.
*2 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

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	Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	For transmission cables	ø34 Knockout hole (1-11/32)



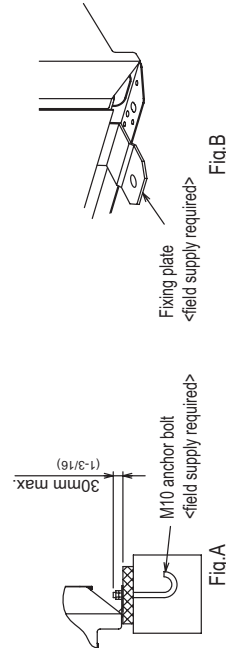
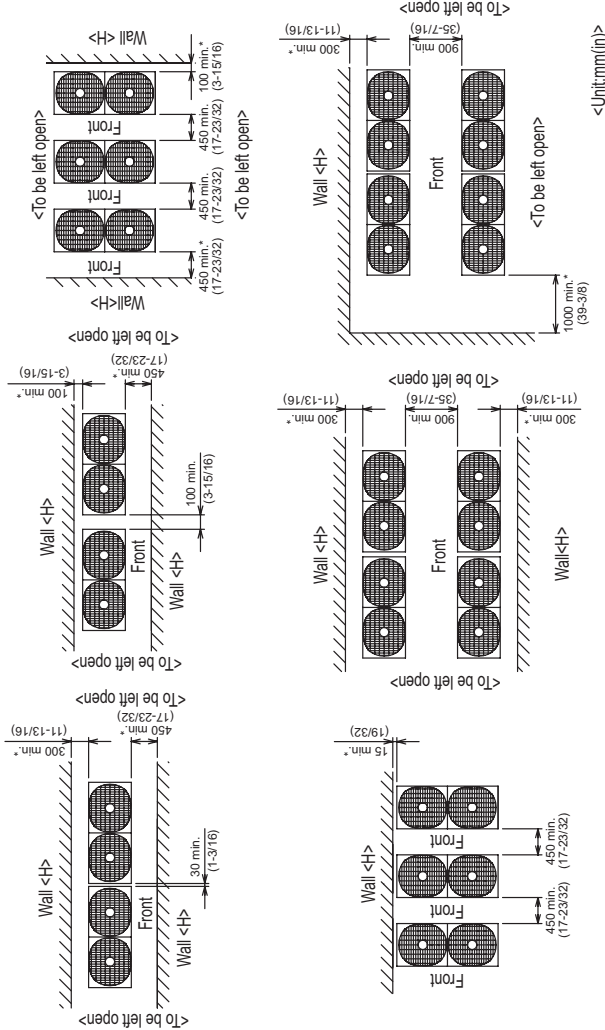
2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)

● In case of collective installation

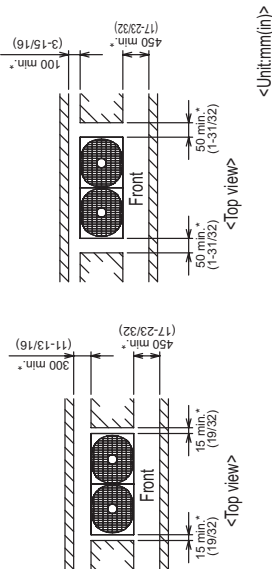
- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit<h> to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



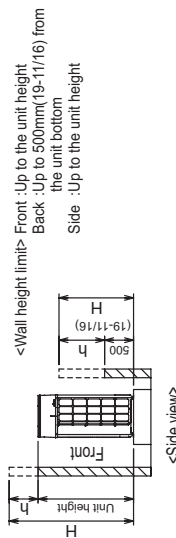
1. Required space around the unit

● In case of single installation

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



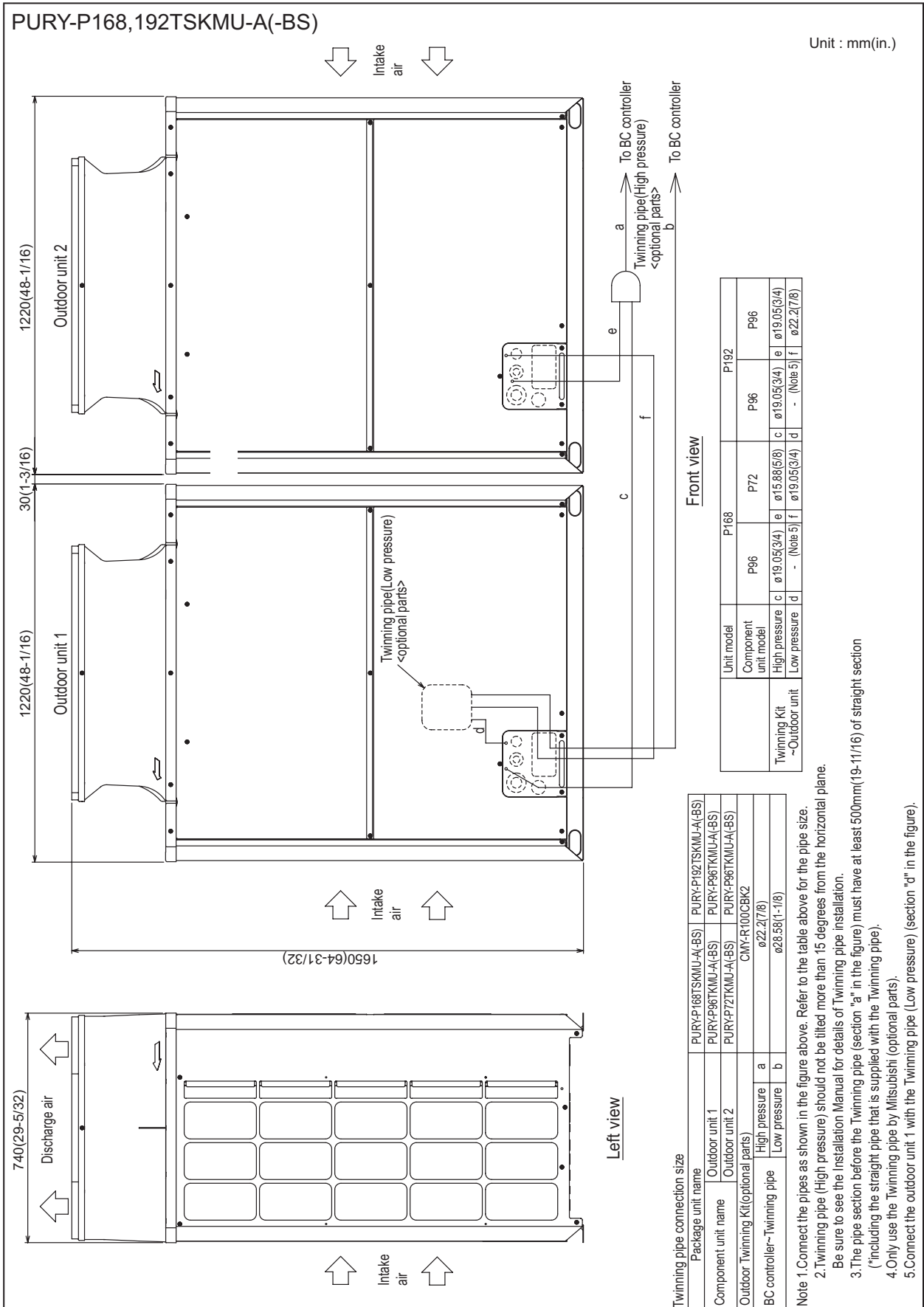
- When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.



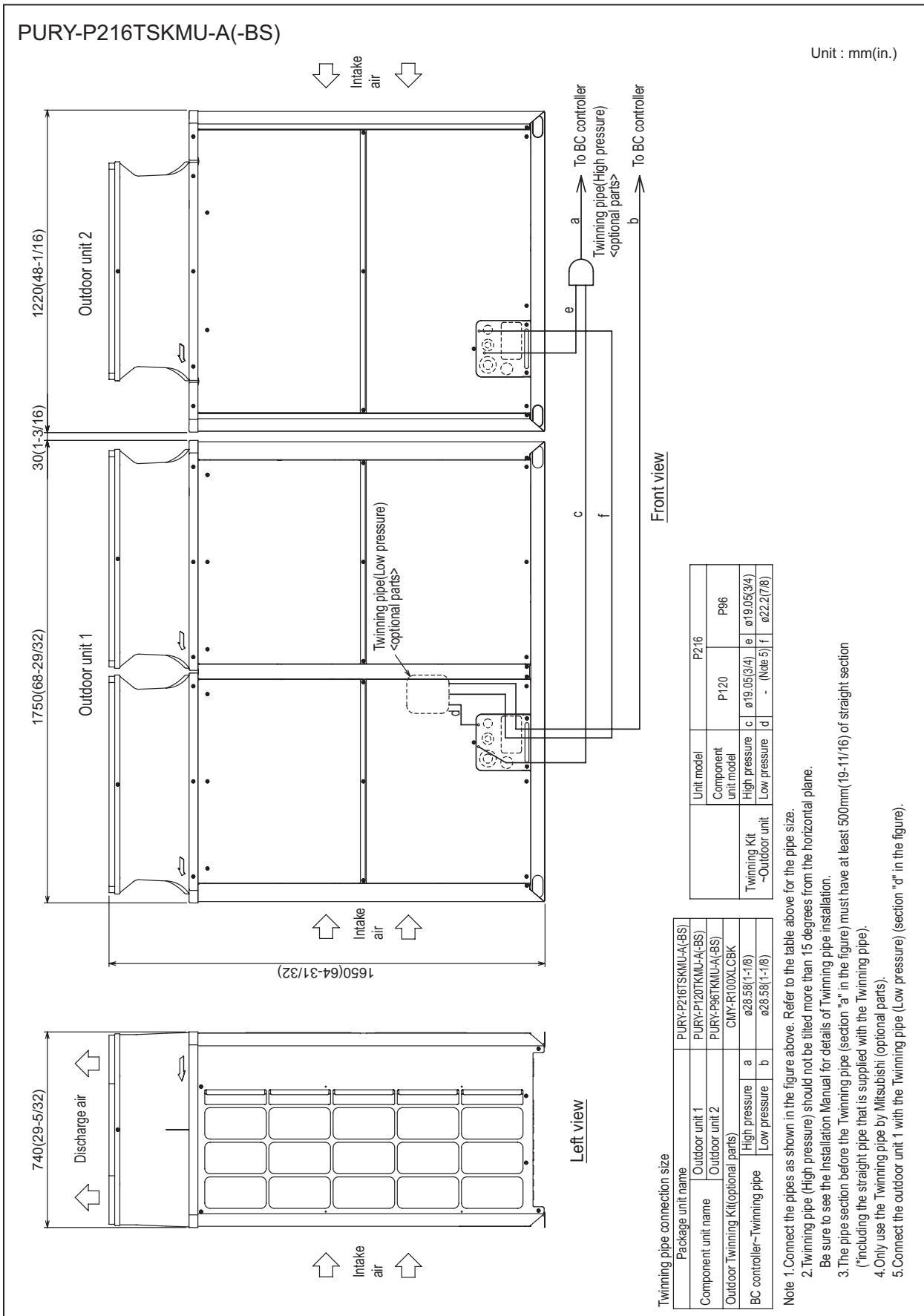
2. Foundation work

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

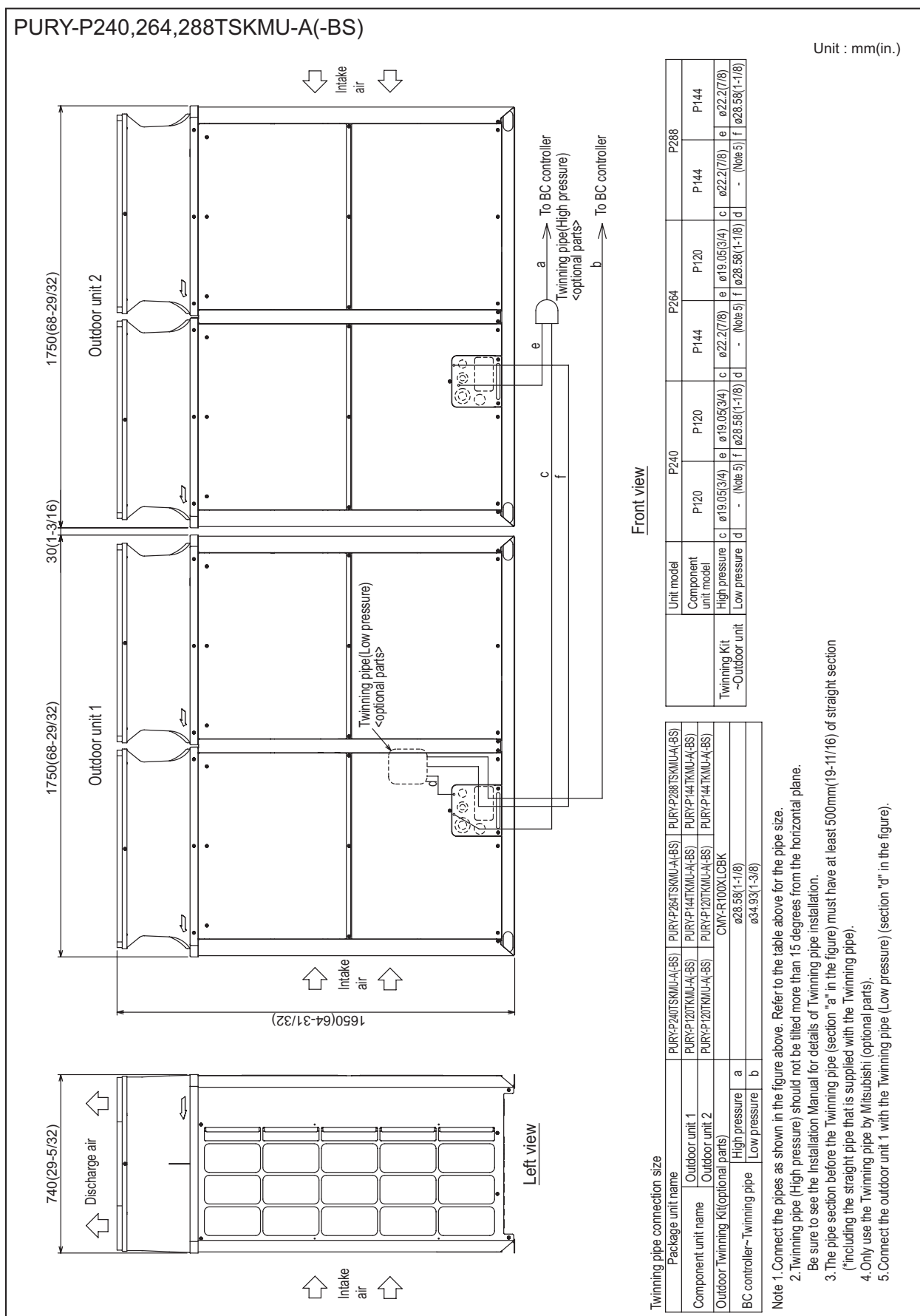
2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)

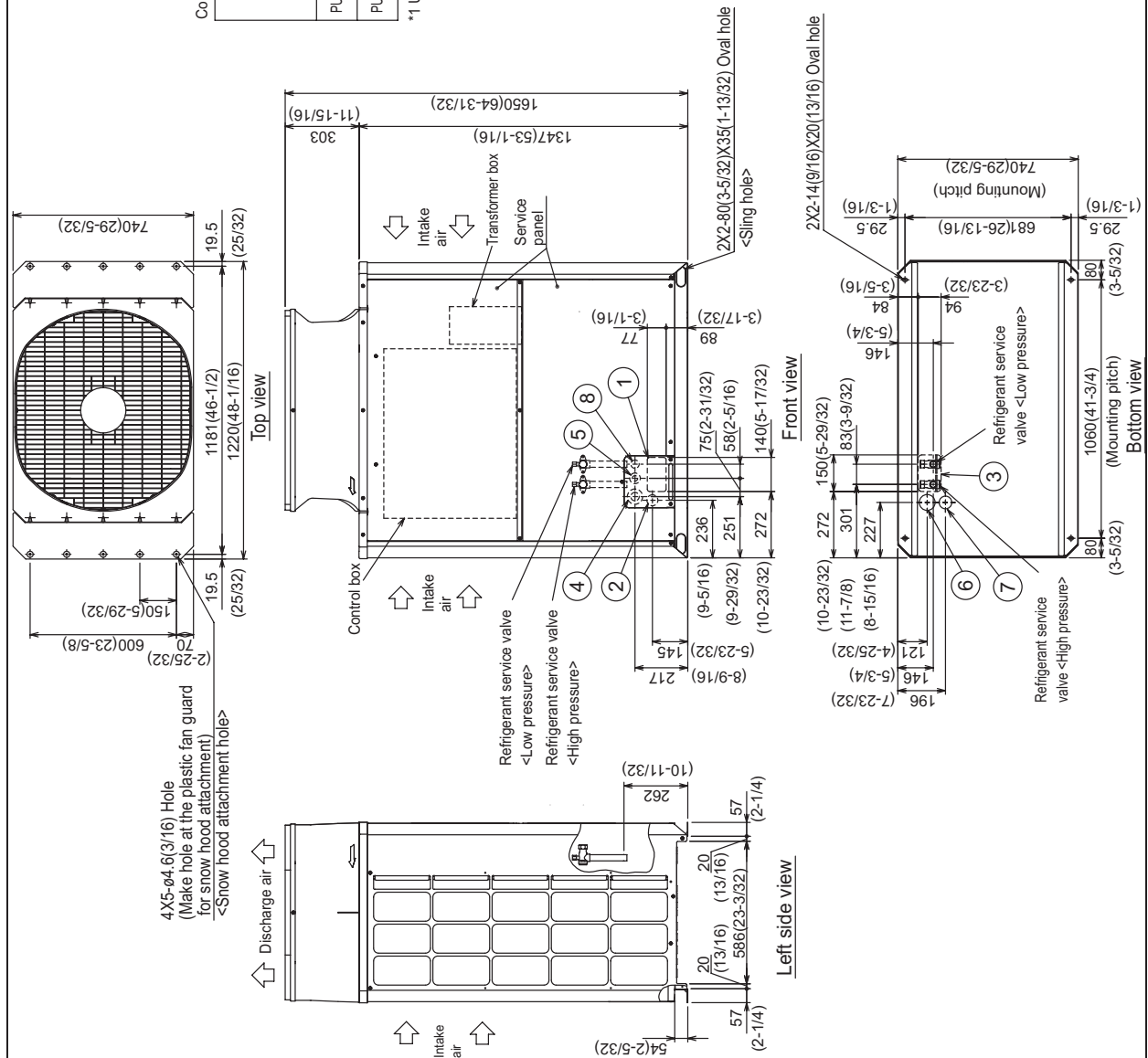
Note 1 Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120 °C(248°F).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P72YKMU	ø15.88 Braze (5/8) *1	ø19.05 Braze (3/4) *1	ø25.4 (1)	ø25.4 (1)
PURY-P96YKMU	ø19.05 Braze (3/4) *1	ø22.2 Braze (7/8) *1	ø25.4 (1)	ø25.4 (1)

*1 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

NO.	Usage	Specifications
①	Front through hole	140 × 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 × 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	Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	For transmission cables	ø34 Knockout hole (1-11/32)



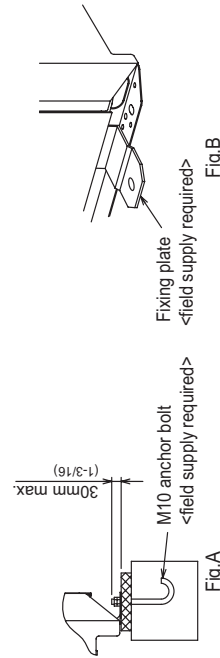
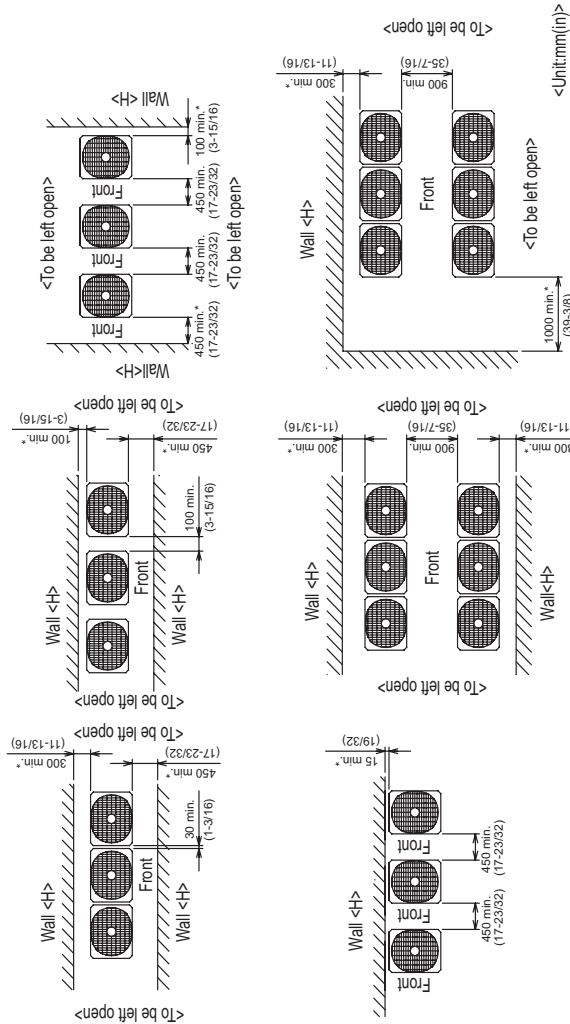
2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)

● In case of collective installation

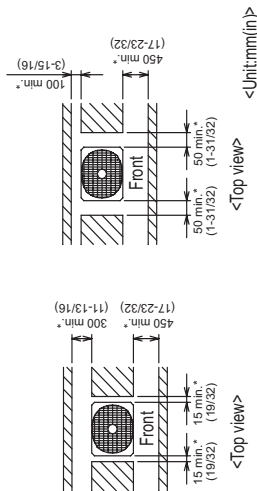
- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <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.



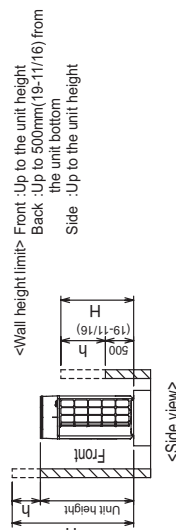
1.Required space around the unit

● 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.

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

Connecting pipe specifications

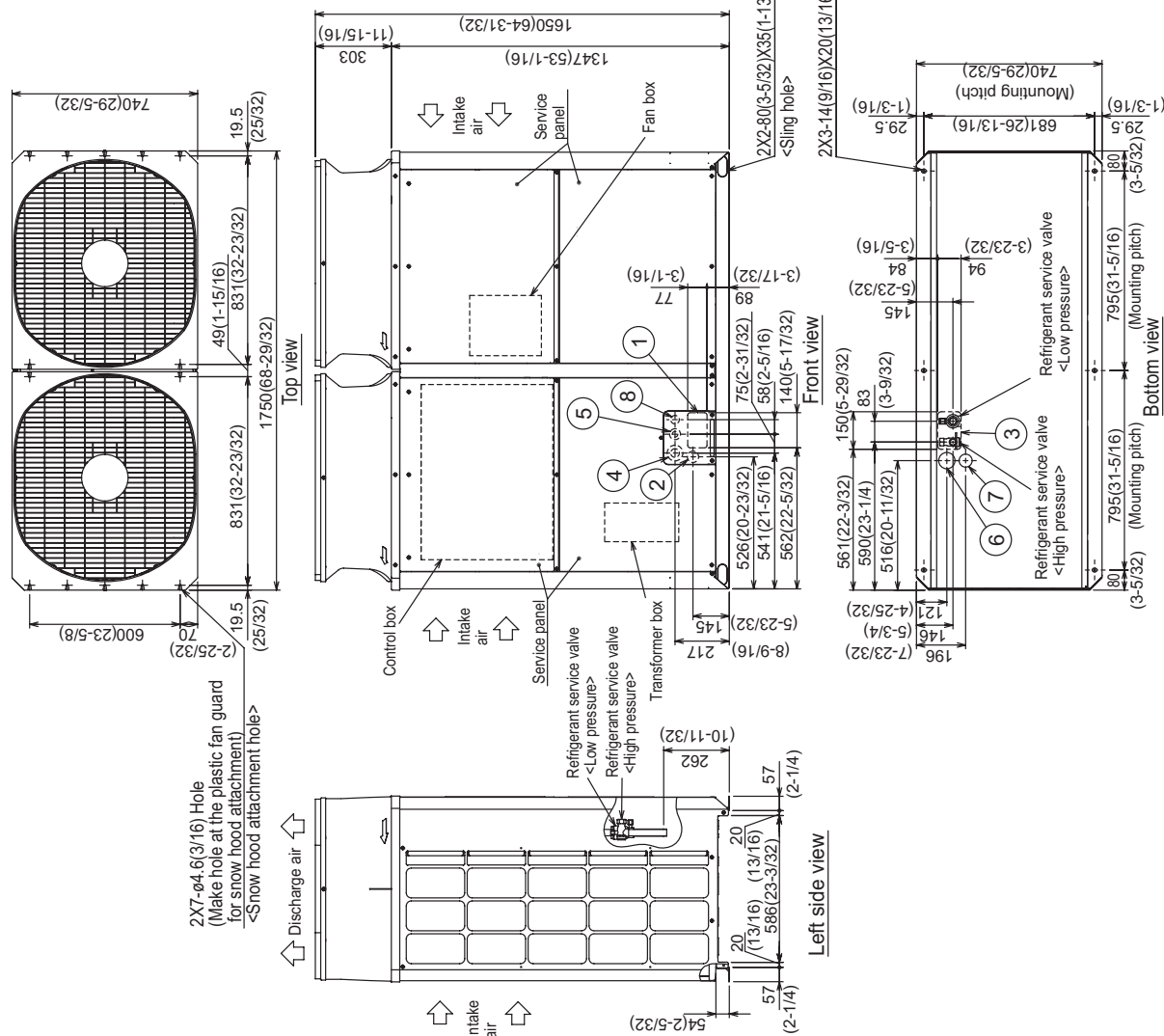
Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PUR-P-20Y/KMU	ø19.05 Braze (3/4) *2	ø28.58 Braze (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)
PUR-P-144Y/KMU	ø22.2 Braze (7/8) *2	ø28.58 Braze (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)

*1 Expand the on-site piping and connect to the refrigerant service valve piping.

2 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

NO.	Usage	Specifications
①	Front through hole	140 × 77 Knockout hole (5-17/32)(3-1/16)
②	For pipes Front through hole (Uses when wiring kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 × 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	For wires Bottom through hole	ø65 Knockout hole (2-9/16)
⑦	Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	For transmission cables Front through hole	ø34 Knockout hole (1-11/32)

Unit : mm(in.)



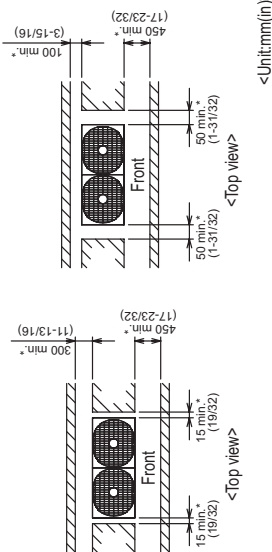
2. EXTERNAL DIMENSIONS

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

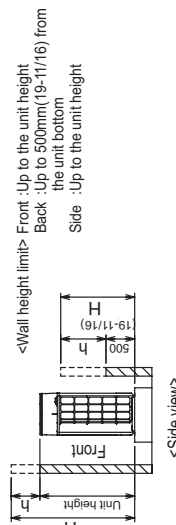
Unit : mm(in.)

1.Required space around the unit

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



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



2.Foundation work

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

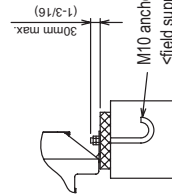


Fig.A

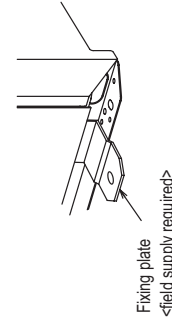
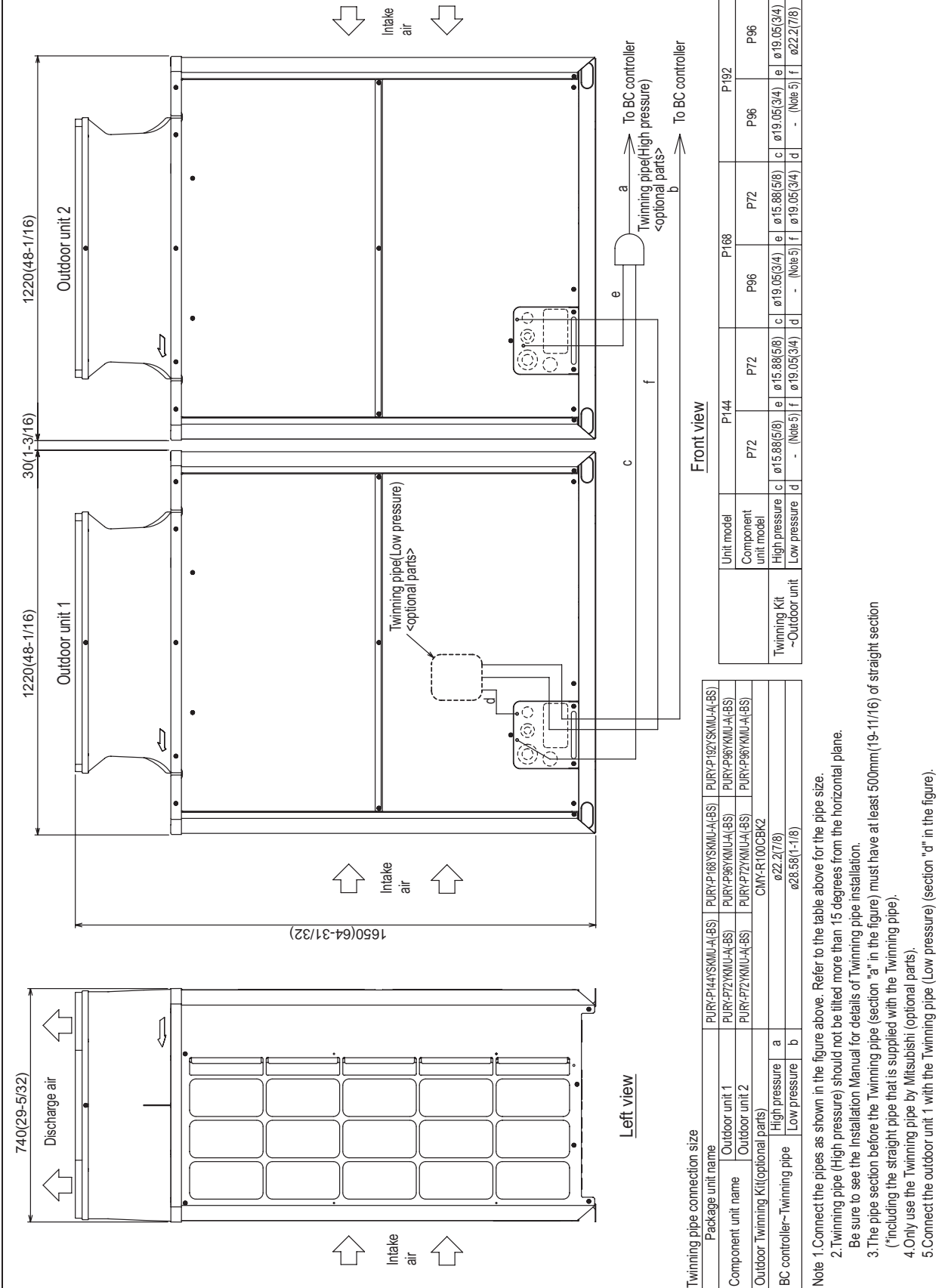


Fig.B

2. EXTERNAL DIMENSIONS

PURY-P144,168,192YSKMU-A(-BS)

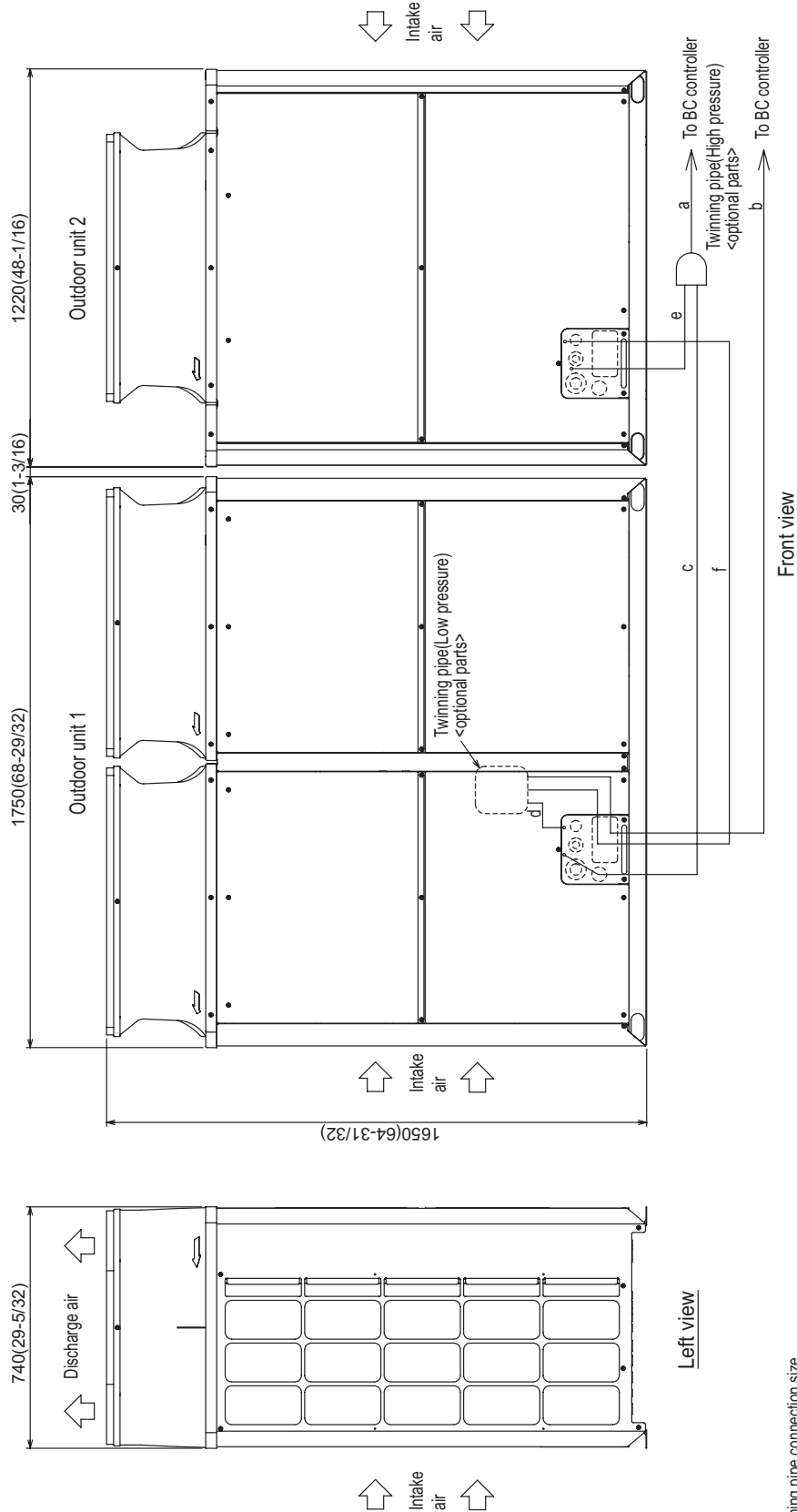
Unit : mm(in.)



2. EXTERNAL DIMENSIONS

PURY-P216YSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name	PURY-P216YSKMU-A(-BS)
Outdoor unit 1	PURY-P120YSKMU-A(-BS)
Outdoor unit 2	PURY-P96YSKMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-R100XLCBK
BC controller~ Twinning pipe	
High pressure	a
Low pressure	b

Unit model	P216
Component unit model	P96
High pressure	c
Low pressure	d
~Outdoor unit	e
	f

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).

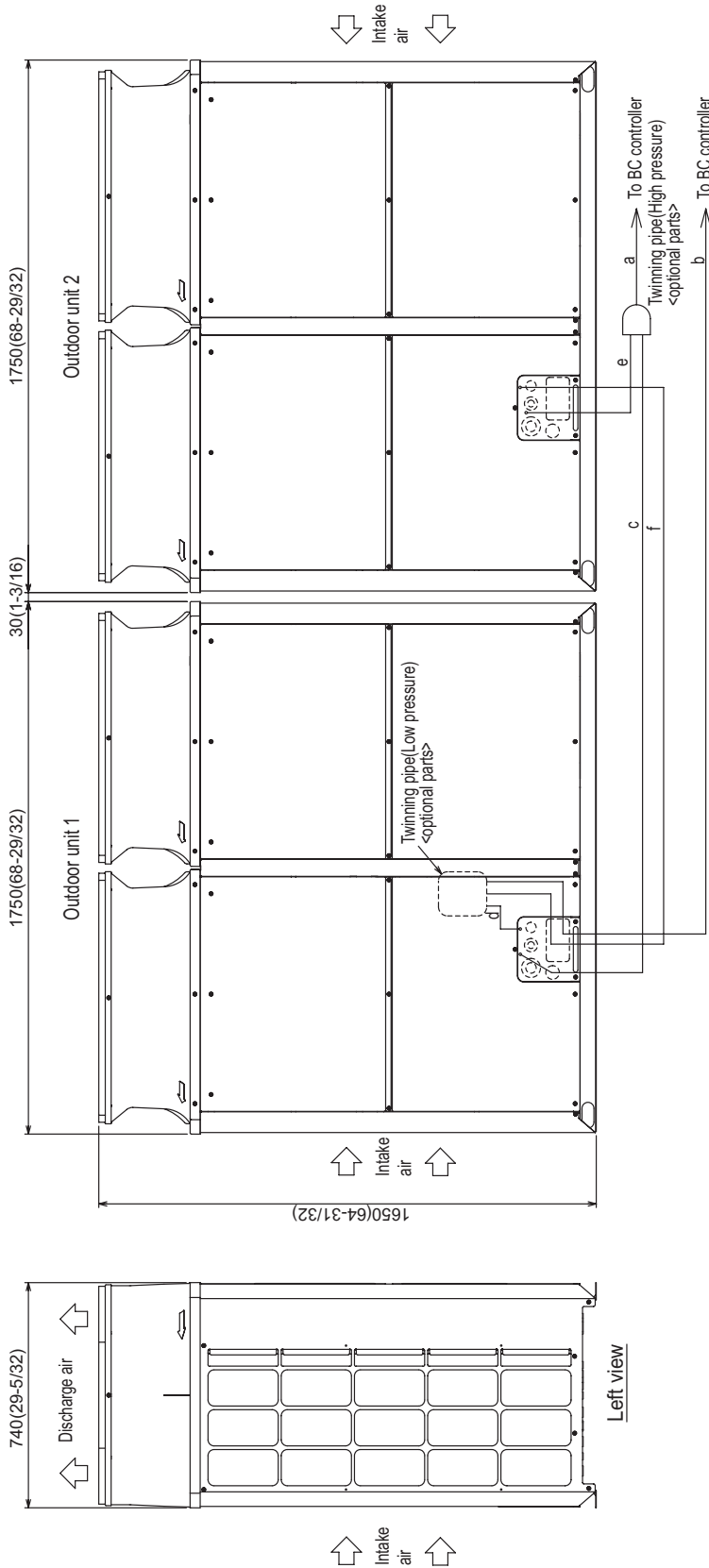
4. Only use the Twinning pipe by Mitsubishi (optional parts).

5. Connect the outdoor unit 1 with the Twinning pipe (Low pressure) (section "d" in the figure).

2. EXTERNAL DIMENSIONS

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

Unit : mm(in.)



Front view

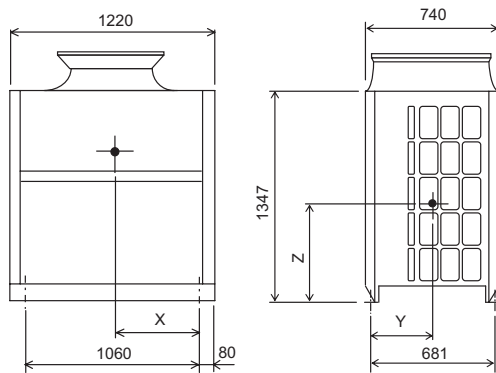
Unit model	P240	P264	P288
Component unit model	P120	P144	P144
High pressure	c ø19.05(3/4)	c ø22.2(7/8)	c ø22.2(7/8)
Low pressure	d - (Note 5)	d ø28.58(1-1/8)	d ø28.58(1-1/8)

Package unit name	PURY-P240YSKMU-A(-BS)	PURY-P264YSKMU-A(-BS)	PURY-P288YSKMU-A(-BS)
Component unit name	PURY-P240YSKMU-A(-BS)	PURY-P264YSKMU-A(-BS)	PURY-P288YSKMU-A(-BS)
Outdoor unit name	PURY-P240YSKMU-A(-BS)	PURY-P264YSKMU-A(-BS)	PURY-P288YSKMU-A(-BS)
Outdoor unit name (optional parts)	CMV-R100XLCBK	CMV-R100XLCBK	CMV-R100XLCBK
BC controller~Twinning pipe	a	b	c
High pressure	a	b	c
Low pressure	b	c	d

- 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).
 5. Connect the outdoor unit 1 with the Twinning pipe (Low pressure) (section "d" in the figure).

3. CENTER OF GRAVITY

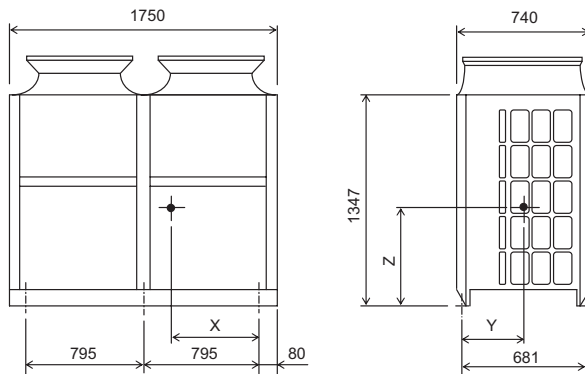
PURY-P72, 96TKMU-A (-BS)
PURY-P72, 96YKMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PURY-P72TKMU-A	460[18-1/8]	320[12-5/8]	609[23]
PURY-P96TKMU-A	447[17-5/8]	311[12-1/4]	595[23-7/16]
PURY-P72YKMU-A	447[17-5/8]	310[12-7/32]	623[24-17/32]
PURY-P96YKMU-A	435[17-5/32]	302[11-29/32]	610[24-1/32]

PURY-P120, 144TKMU-A (-BS)
PURY-P120, 144YKMU-A (-BS)

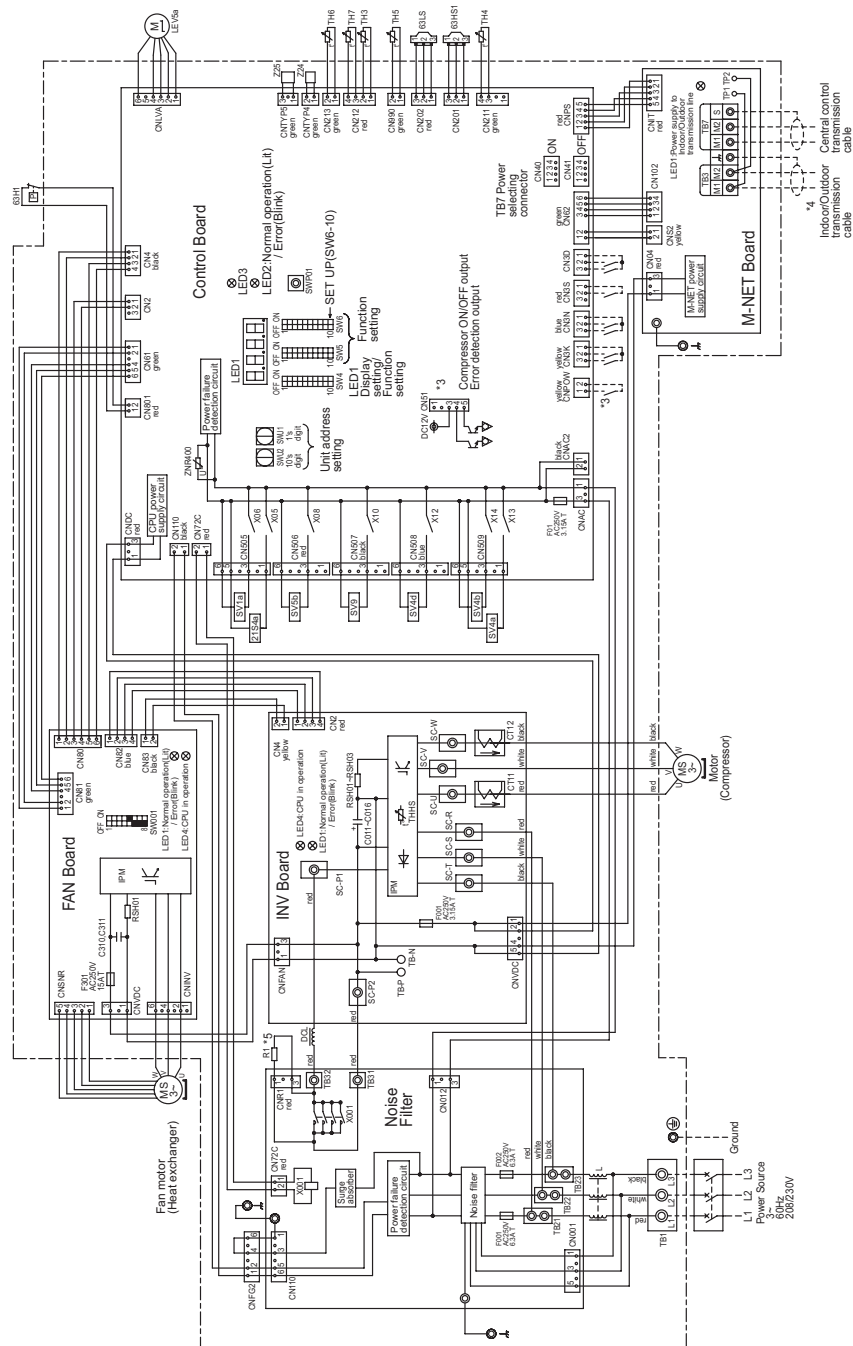


Unit : mm[in.]

Model	X	Y	Z
PURY-P120TKMU-A	702[27-21/32]	327[12-7/8]	657[25-7/8]
PURY-P144TKMU-A	702[27-21/32]	327[12-7/8]	657[25-7/8]
PURY-P120YKMU-A	735[28-15/16]	318[12-17/32]	643[25-11/32]
PURY-P144YKMU-A	735[28-15/16]	318[12-17/32]	643[25-11/32]

4. ELECTRICAL WIRING DIAGRAMS

PURY-P72TKMU-A(-BS)



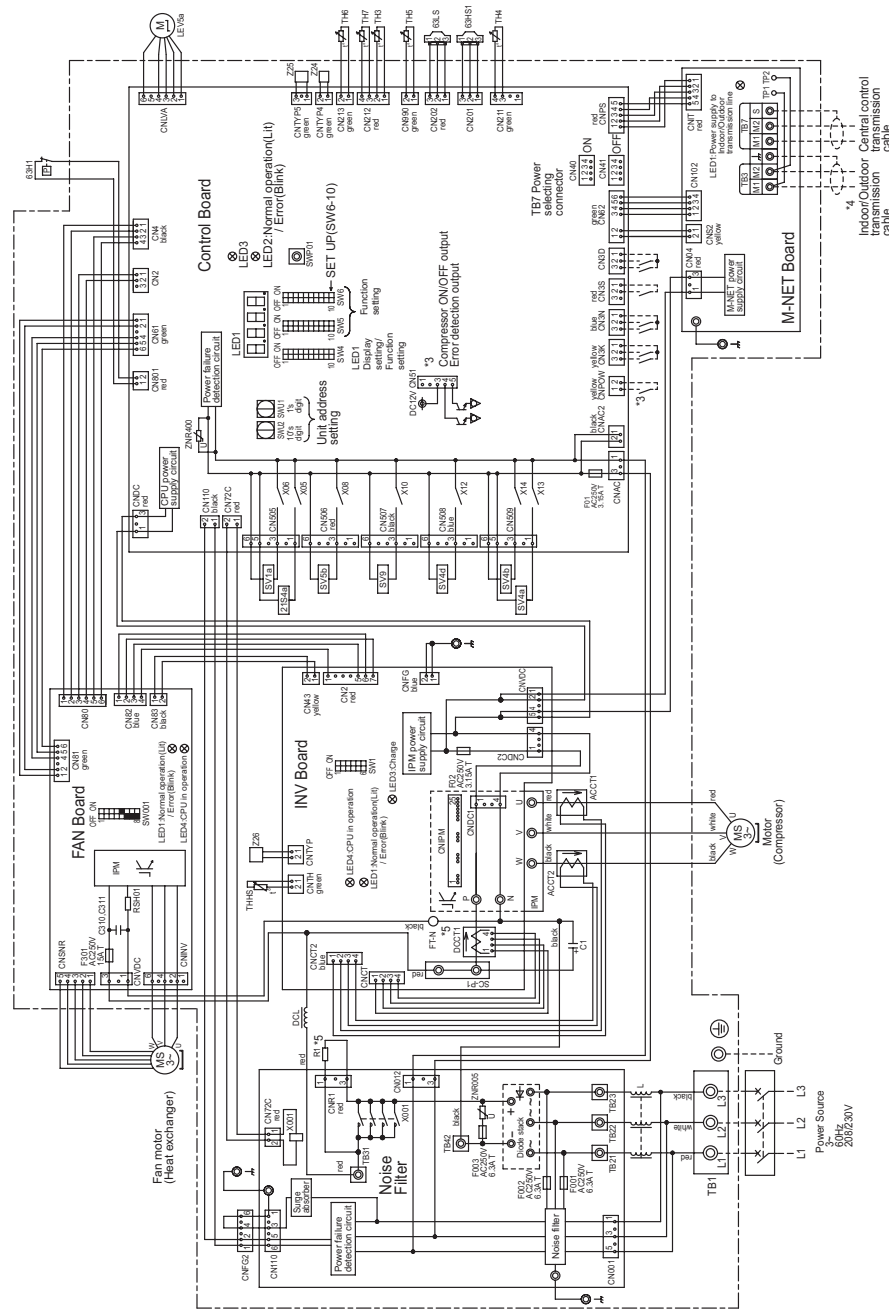
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
-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

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
2TS4a	4-way valve (Cooling/Heating switching)	SV4a,b,d	Solenoid valve
63H1	Pressure sensor	SV5b	Heat exchanger capacity control
63HS1	Pressure sensor	SV9	Outdoor unit heat exchanger
63LS	Discharge pressure		For opening/closing the bypass circuit
X001	Magnetic relay (inverter main circuit)/2C	TB1	Terminal block
C011-C016	Capacitor (inverter main circuit)	TB3	Indoor/Outdoor transmission cable
G11,12	Current sensor(AC)	TB7	Central control transmission
GO1	Choke coil (for high frequency noise reduction)		Pipe temperature
LEV5a	Linear expansion valve (For the control of evaporating temperature)	TH3	Discharge pipe temperature
RT	Resistor	TH4	ACC inlet pipe temperature
RS01(RSN Board)	For inrush current prevention	TH5	Subcooled liquid refrigerant
RS01-RSH03	For current detection	TH6	Indoor/Outdoor transmission
	For current detection	TH7	OA temperature
SV1a	Solenoid valve	THHS	IPM temperature
	For opening/closing the bypass circuit under the O/S	Z24,25	Function setting connector

4. ELECTRICAL WIRING DIAGRAMS

PURY-P96TKMU-A(-BS)



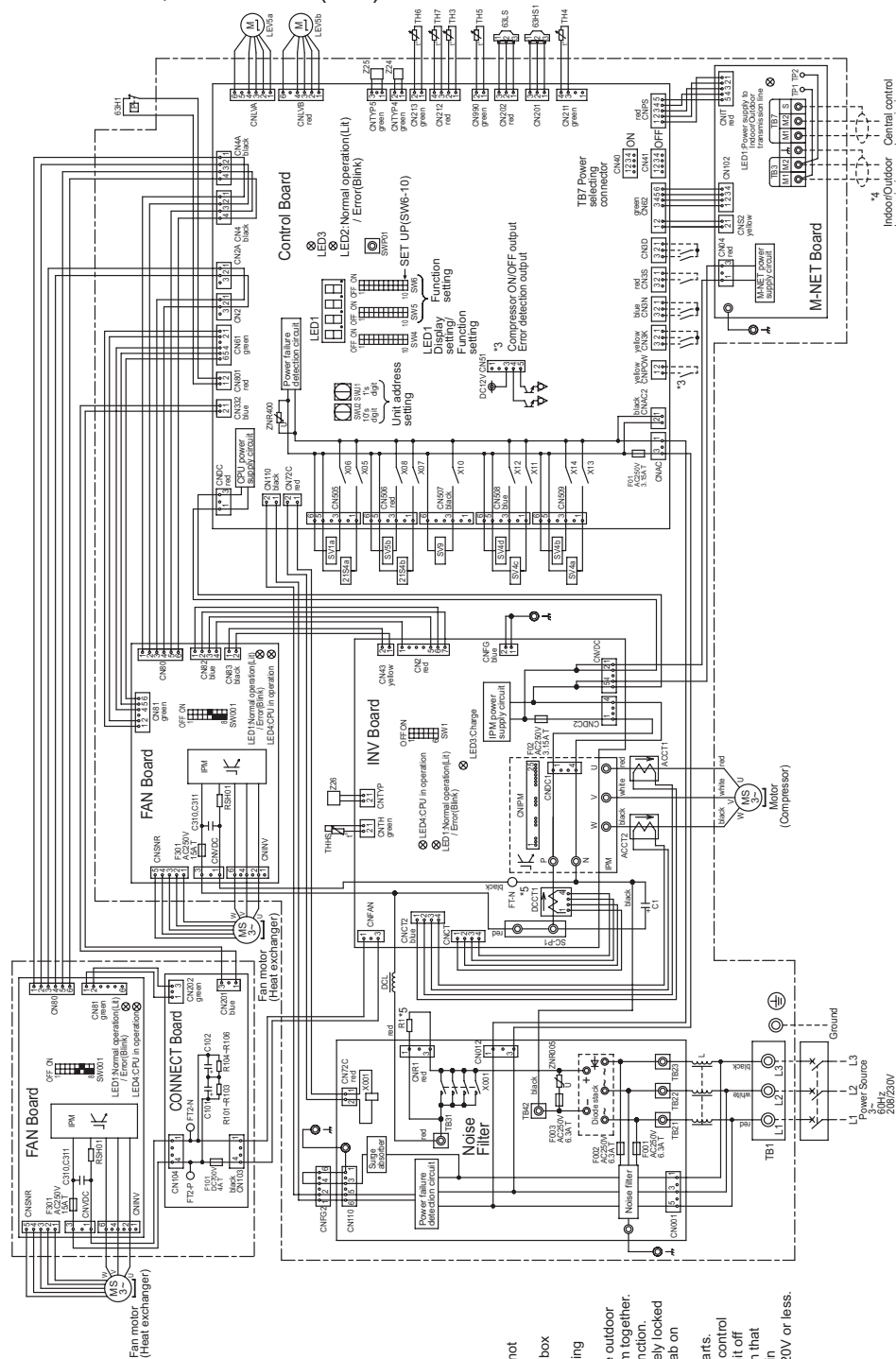
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *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 removed them.
- *6. Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage at both ends of the main capacitor (C1) has dropped to DC20V or less.

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
SV4a,b,d	4-way valve (Cooling/Heating switching)	SV4a,b,d	Heat exchanger capacity control
SV5b	Pressure protection for the outdoor unit	SV5b	Indoor/Outdoor capacity control
SV9	Discharge pressure	SV9	For opening/closing the bypass circuit
TB1	Low pressure	TB1	Power supply
TB3	Magnetic relay (Inverter main circuit/2C)	TB3	Indoor/Outdoor transmission cable
TB7	Current sensor(AC)	TB7	Indoor/Outdoor transmission cable
DCCT1	Capacitor (Inverter main circuit)	DCCT1	Indoor control transmission cable
DC reactor	DC reactor	DC reactor	Pipe temperature
TH3	Choke coil (for high frequency noise reduction)	TH3	Discharge pipe temperature
LEV5a	Linear expansion valve (for the control of evaporating temperature)	TH4	ACC inlet pipe temperature
TH5	Forrush current prevention	TH5	Subcooled liquid refrigerant
RS401	Forrush current prevention	TH6	Subcooled liquid refrigerant
TH7	For opening/closing the bypass circuit under the O/S	TH7	OA temperature
SV1a	Solenoid valve	TH8	Function setting connector

4. ELECTRICAL WIRING DIAGRAMS

PURY-P120,144TKMU-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 terminal to be removed.
- *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 at both ends of the main capacitor (C1) has dropped to DC20V or less.

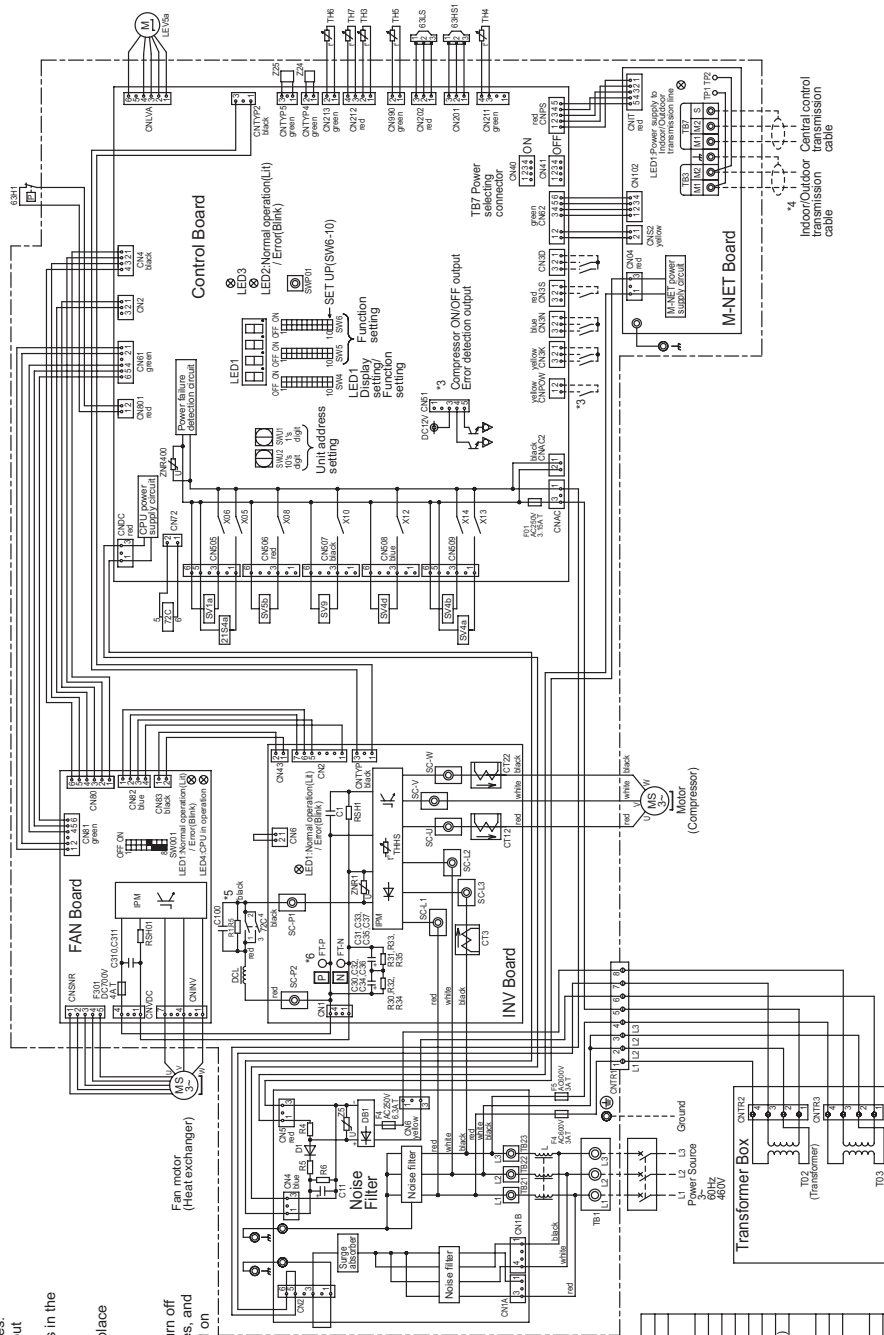
<Symbol explanation>

Symbol	Explanation
4-way valve	For opening/closing the bypass
2/3-4-5	Heat exchanger capacity control
63-11	High pressure protection for the outdoor unit
SV4a,b,c,d	Heat exchanger capacity control
SV5b	Outdoor unit heat exchanger capacity control
SV9	For opening/closing the bypass
63-1S1	Discharge pressure
63-LS	Low pressure
X001	Diagnostic relay (inverter main circuit)/2C
C1	Capacitor (inverter main circuit)
DCCT1	Current sensor(DC)
DCL	DC reactor
Choke coil	(for high frequency noise reduction)
Linear expansion valve	(for the control of
TH5	Discharge pipe temperature
TH6	ACC inlet pipe temperature
TH9	Refrigerant temperature
IPM	IPM temperature
RSH01	For rush current prevention
Z24,Z5,Z6	Function setting connector

4. ELECTRICAL WIRING DIAGRAMS

PURY-P72,96YKMU-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 removed them.
- *6. Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage between FT-P and FT-N on INV Board has dropped to DC20V or less.

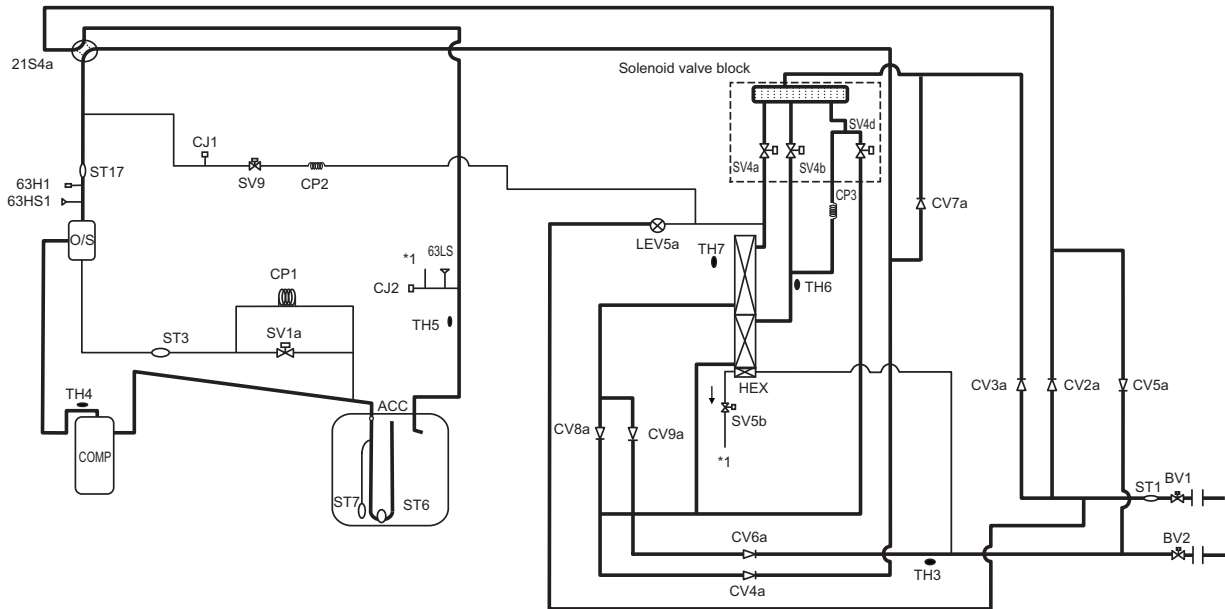


<Symbol explanation>

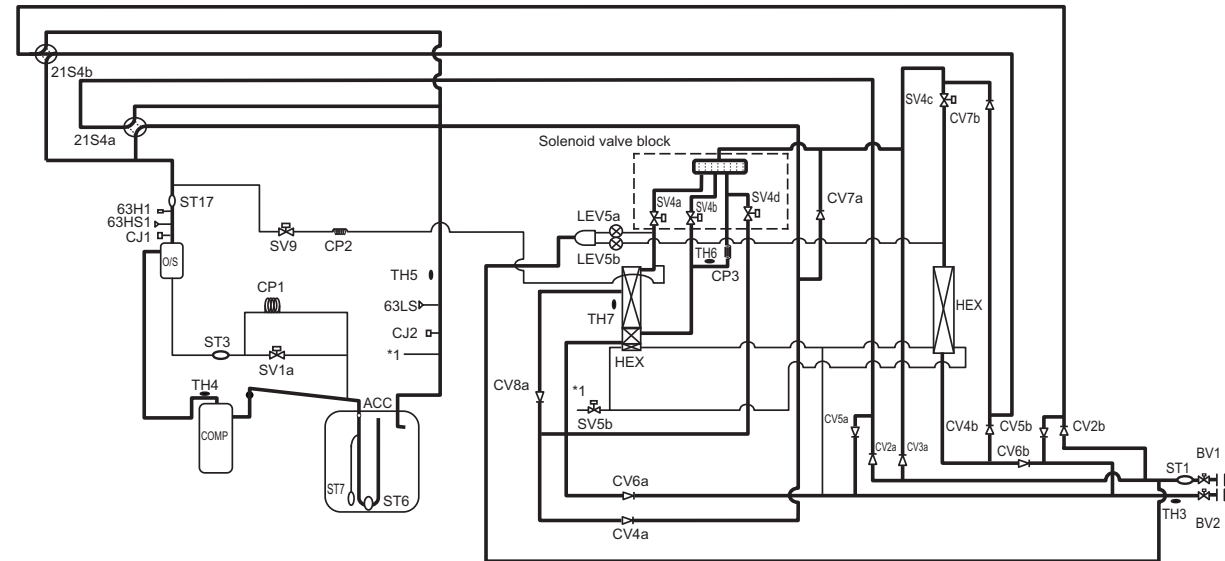
Symbol	Explanation
2T54a	4-way valve (Cooling/Heating switching)
63H1	Pressure sensor (high pressure protection for the compressor)
63H51	Pressure sensor (discharge pressure)
63L5	Low pressure sensor
72C	Magnetic relay (inverter main circuit)
C30-C37	Capacitor (inverter main circuit)
DQ	DC contact
DQ2, DQ3	Choke coil (for high frequency noise reduction)
LE/V5a	Linear expansion valve (for the control of evaporating temperature)
R1.5	Resistor
RS10/RS11	For inrush current prevention
SV1a	Solenoid valve (for the bypass circuit under the O/S)
SV4a,b,d	Heat exchanger capacity control
SV5b	Capacity control
SV9	For opening/closing the bypass circuit
TB1	Terminal block
TB3	Indoor/Outdoor transmission cable
TB7	Central control transmission cable
TH3	Pipe temperature
TH4	Discharge pipe temperature
TH5	ACC inlet pipe temperature
TH6	Subcooled liquid refrigerant temperature
TH7	Compressor temperature
THS	IPM temperature
Z24, Z5	Function setting connector

5. REFRIGERANT CIRCUIT DIAGRAMS

(1) PURY-P72, P96 models

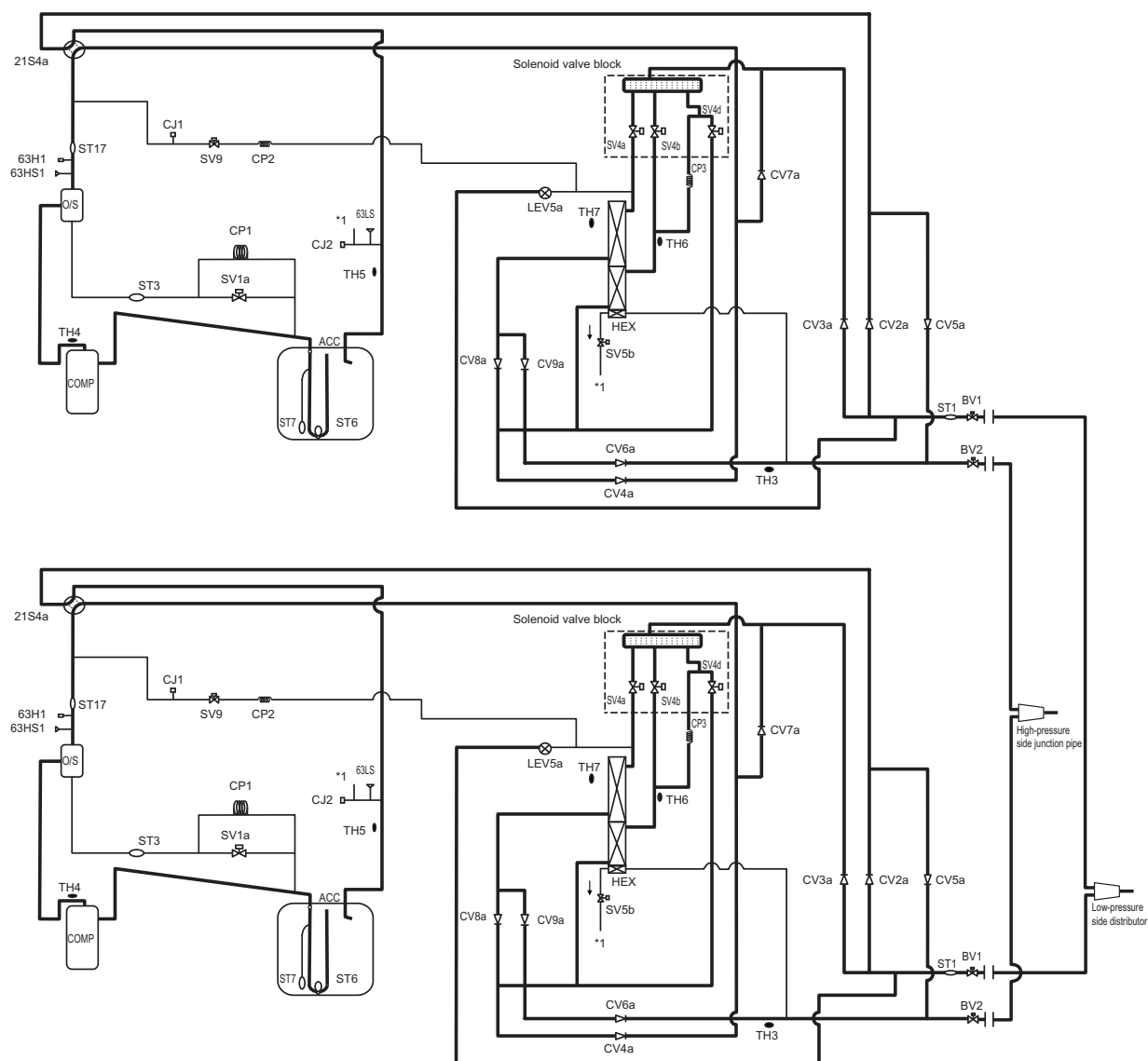


(2) PURY-P120, P144 models



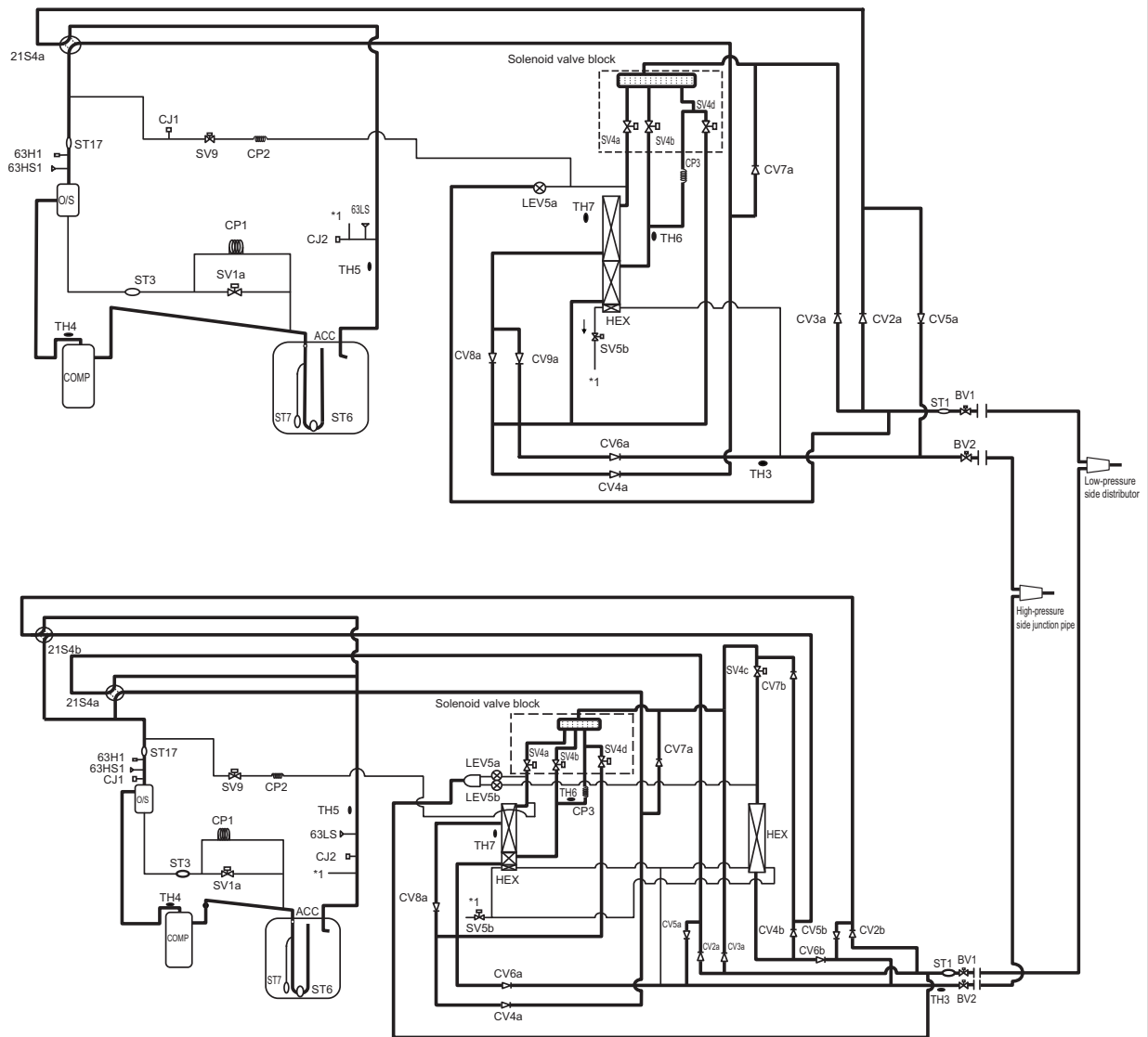
5. REFRIGERANT CIRCUIT DIAGRAMS

(3) PURY-P144, P168, P192 models



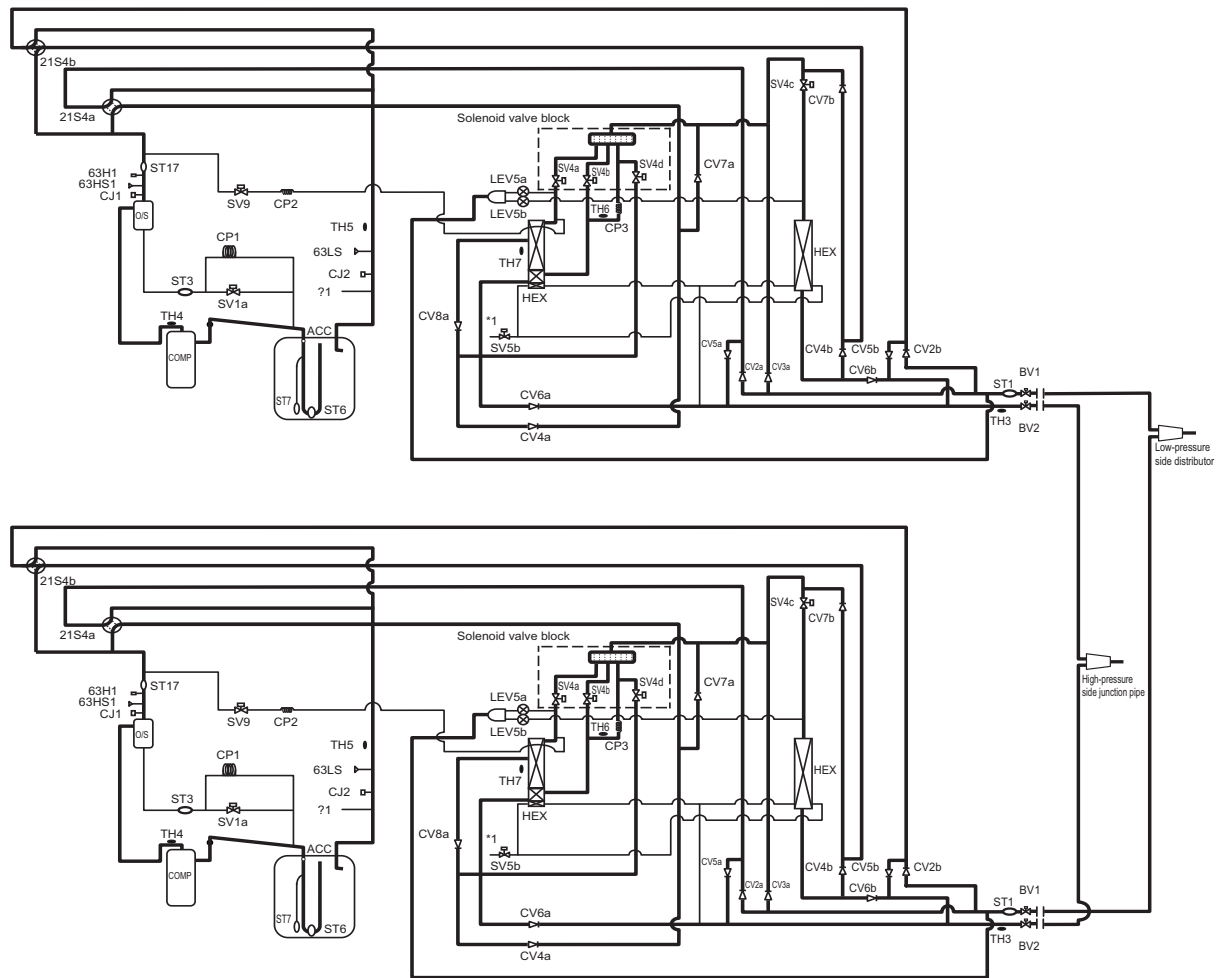
5. REFRIGERANT CIRCUIT DIAGRAMS

(4) PURY-P216 model



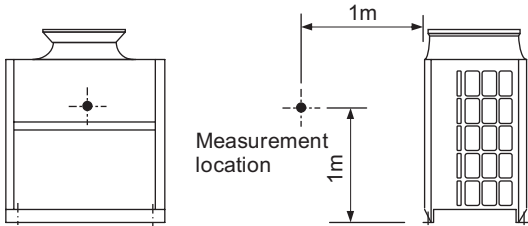
5. REFRIGERANT CIRCUIT DIAGRAMS

(5) PURY-P240, P264, P288 models

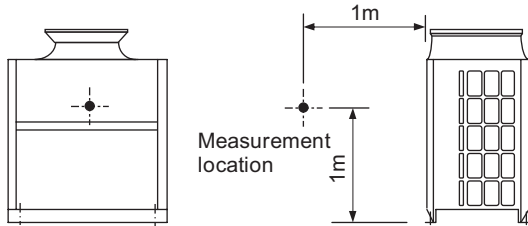


6. SOUND PRESSURE LEVELS

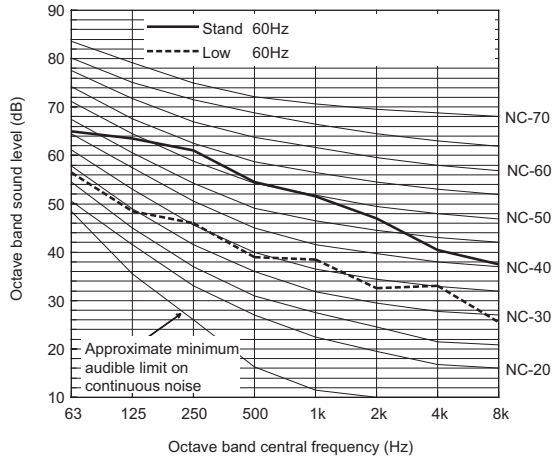
Measurement condition
PURY-P72TKMU/YKMU



Measurement condition
PURY-P96TKMU/YKMU



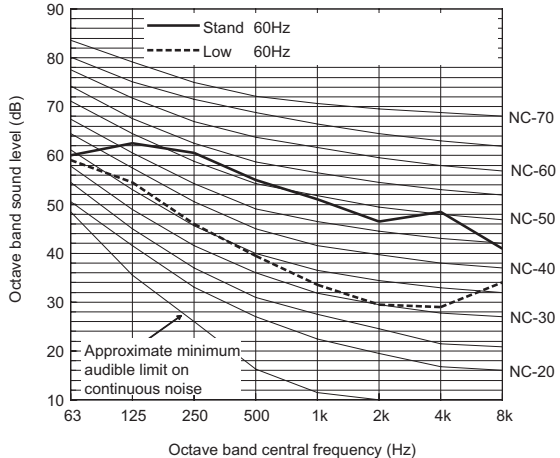
Sound level of PURY-P72T/YKMU-A(-BS)



		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/YKMU-A(-BS)

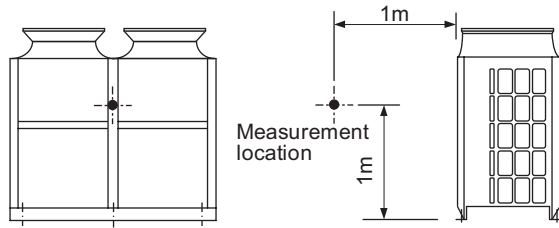


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	60.0	62.5	60.5	55.0	51.0	46.5	48.5	41.0	58.0
Low noise mode	60Hz	59.0	54.5	46.0	39.5	33.5	29.5	29.0	34.0	44.0

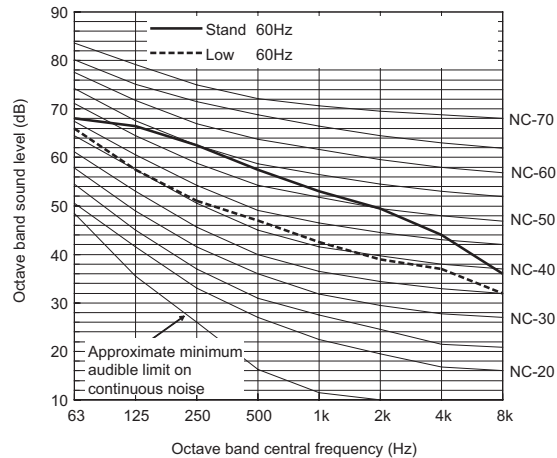
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PURY-P120,144TKMU/YKMU



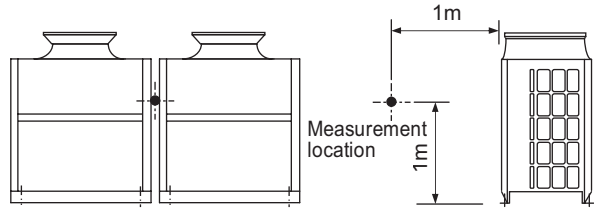
Sound level of PURY-P120T/YKMU-A(-BS)



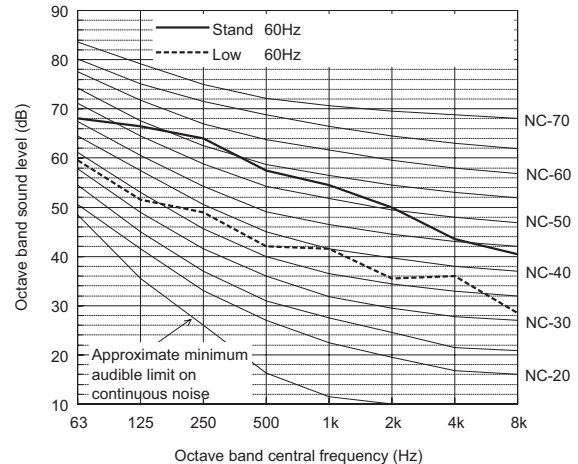
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	68.0	66.5	62.5	57.5	53.0	49.5	44.0	36.0	60.0
Low noise mode	60Hz	66.0	57.5	51.0	47.0	42.5	39.0	37.0	32.0	50.0

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.

Measurement condition PURY-P144YSKMU,168TSKMU/YSKMU



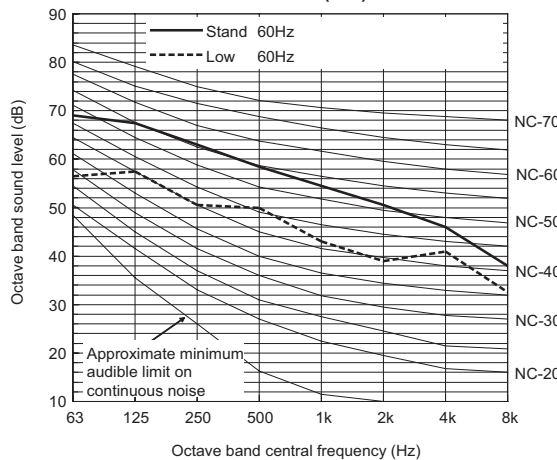
Sound level of PURY-P144YSKMU-A(-BS)



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

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

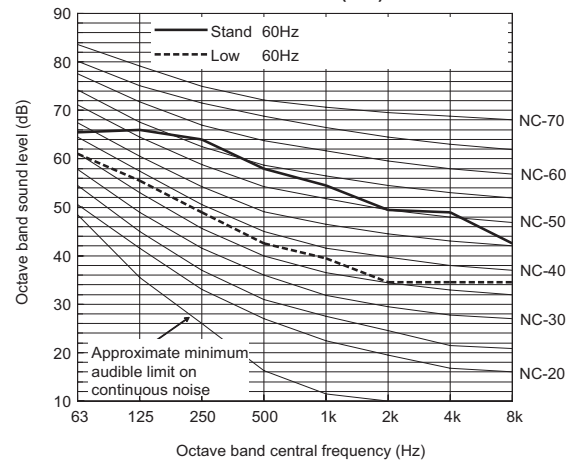
Sound level of PURY-P144T/YKMU-A(-BS)



		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.

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

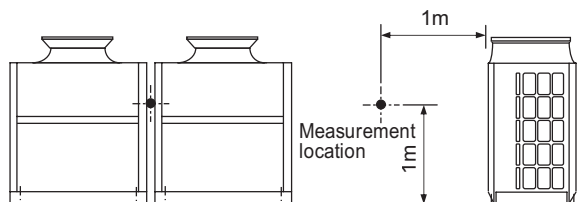


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.5	66.0	64.0	58.0	54.5	49.5	49.0	42.5	61.0
Low noise mode	60Hz	61.0	55.5	49.0	42.5	39.5	34.5	34.5	34.5	47.0

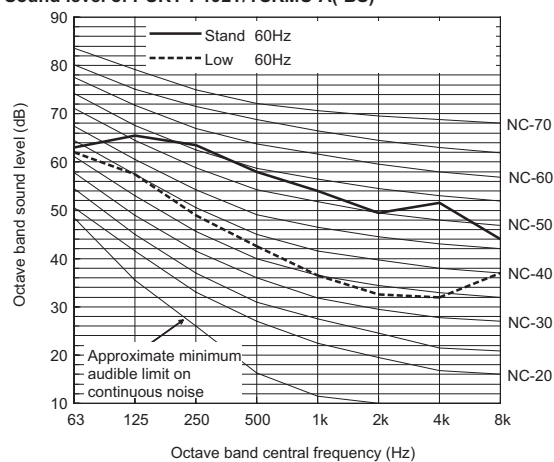
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PURY-P192TSKMU/YSKMU



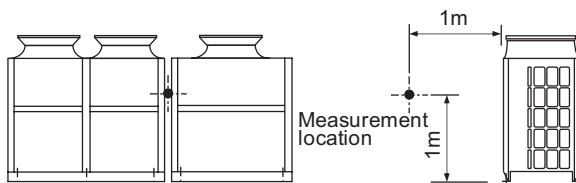
Sound level of PURY-P192T/YSKMU-A(-BS)



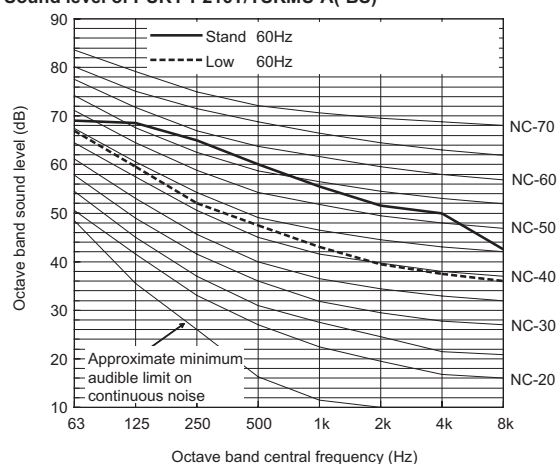
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	63.0	65.5	63.5	58.0	54.0	49.5	51.5	44.0	61.0
Low noise mode	60Hz	62.0	57.5	49.0	42.5	36.5	32.5	32.0	37.0	47.0

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.

Measurement condition PURY-P216TSKMU/YSKMU



Sound level of PURY-P216T/YSKMU-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

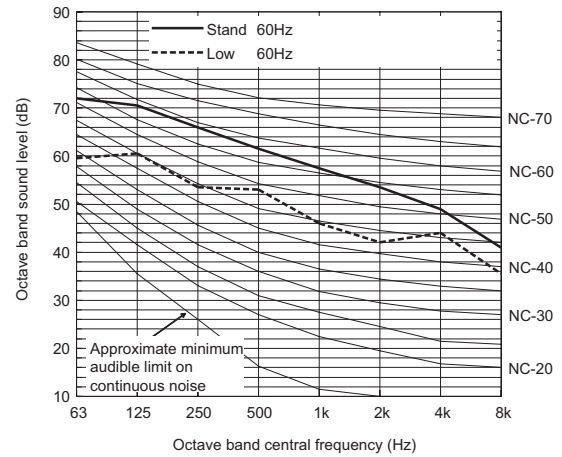
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PURY-P240,264,288TSKMU/YSKMU



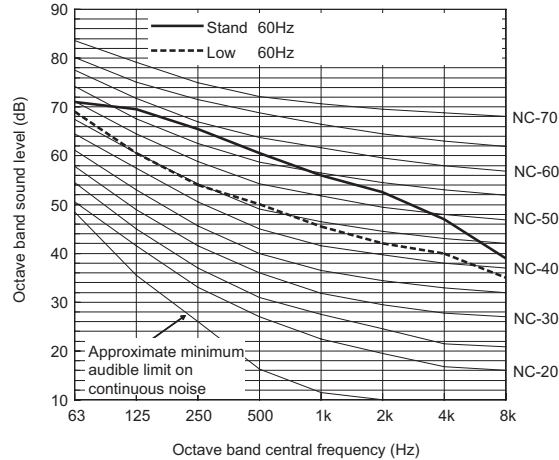
Sound level of PURY-P288T/YSKMU



		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.

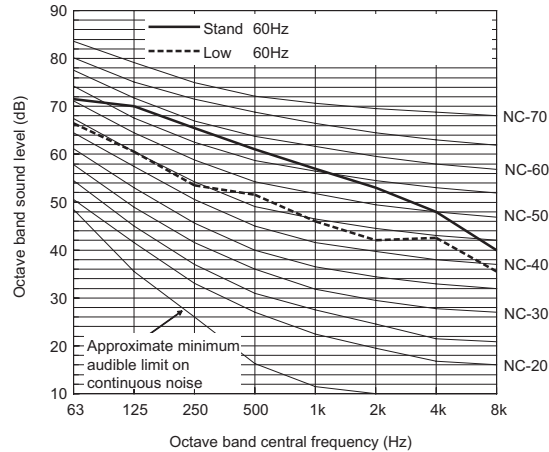
Sound level of PURY-P240T/YSKMU-A(-BS)



		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/YSKMU-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.

7. VIBRATION LEVEL

Measurement condition

Measurement frequency: 1 Hz-80 Hz

Measurement point: Ground surface 20 cm away from the unit leg

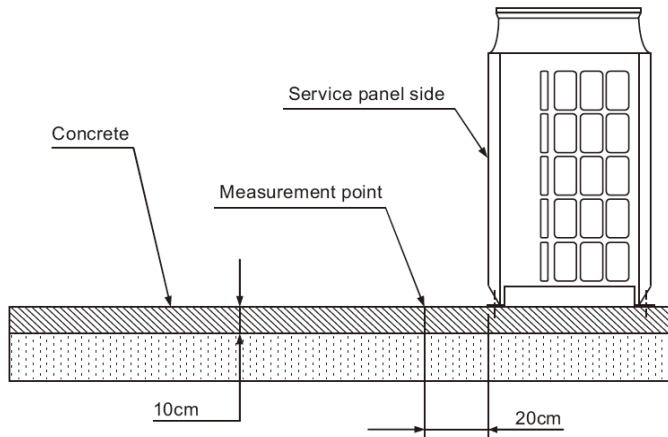
Installation condition: Direct installation on the concrete floor

Power source: 3-phase 3-wire 208 V-230 V 60 Hz: For TKMU series

3-phase 3-wire 460 V 60 Hz: For YKMU series

Operation condition: JIS condition (cooling, heating)

Measurement device: Vibration level meter for vibration pollution VM-1220C (JIS-compliant product)



Vibration level

Model	Vibration level (dB)
PURY-P72T(Y)KMU-A(-BS)	47
PURY-P96T(Y)KMU-A(-BS)	47
PURY-P120T(Y)KMU-A(-BS)	47
PURY-P144T(Y)KMU-A(-BS)	47
PURY-P144YSKMU-A(-BS)	50
PURY-P168T(Y)SKMU-A(-BS)	50
PURY-P192T(Y)SKMU-A(-BS)	50
PURY-P216T(Y)SKMU-A(-BS)	50
PURY-P240T(Y)SKMU-A(-BS)	50
PURY-P264T(Y)SKMU-A(-BS)	50
PURY-P288T(Y)SKMU-A(-BS)	50

*Vibration level varies depending on the conditions of actual installation site.

8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance)

8-1-1. Cooling Capacity

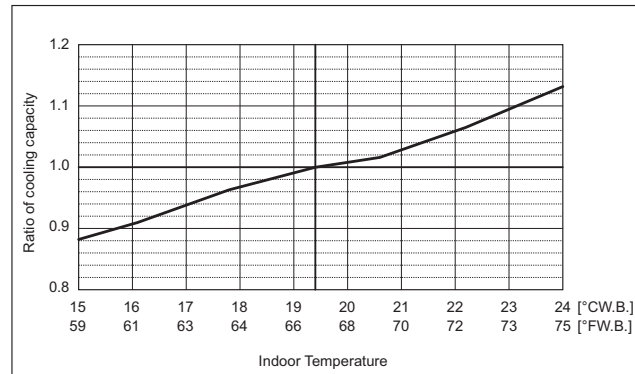
CITY MULTI could have various capacities at different design temperatures. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperatures.

PURY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	72,000	
	kW	21.1	
	Input	4.40	
Rated cooling capacity	BTU/h	69,000	
	kW	20.2	
	Input	4.10	4.05

PURY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	96,000	
	kW	28.1	
	Input	7.05	
Rated cooling capacity	BTU/h	92,000	
	kW	27.0	
	Input	6.24	6.81

Indoor unit temperature correction

To be used to correct indoor unit capacity only

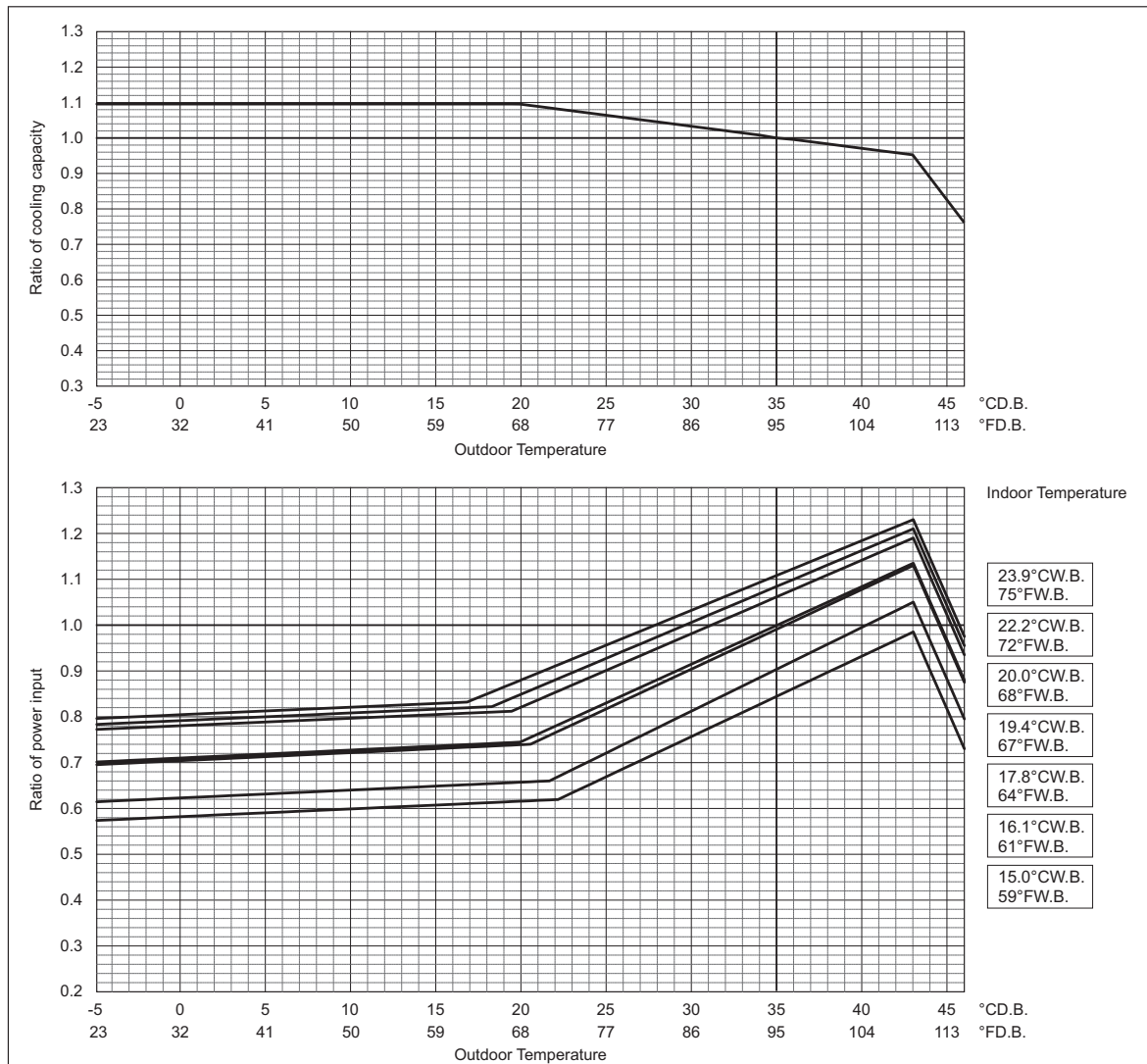


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

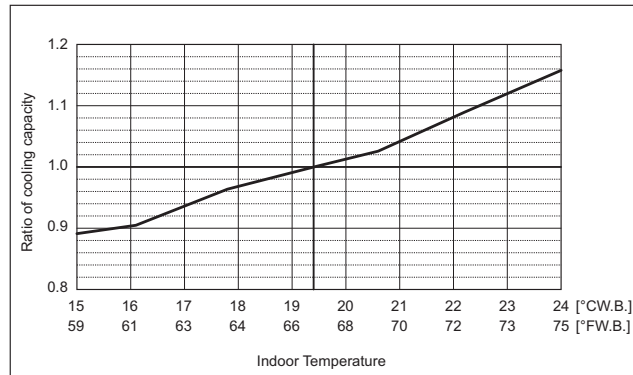
8-1. Correction by Temperature (Standard Performance), cont.

8-1-1. Cooling Capacity

PURY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	120,000	
	kW	35.2	
	Input kW	9.44	
Rated cooling capacity	BTU/h	114,000	
	kW	33.4	
	Input kW	8.78	8.71

Indoor unit temperature correction

To be used to correct indoor unit capacity only

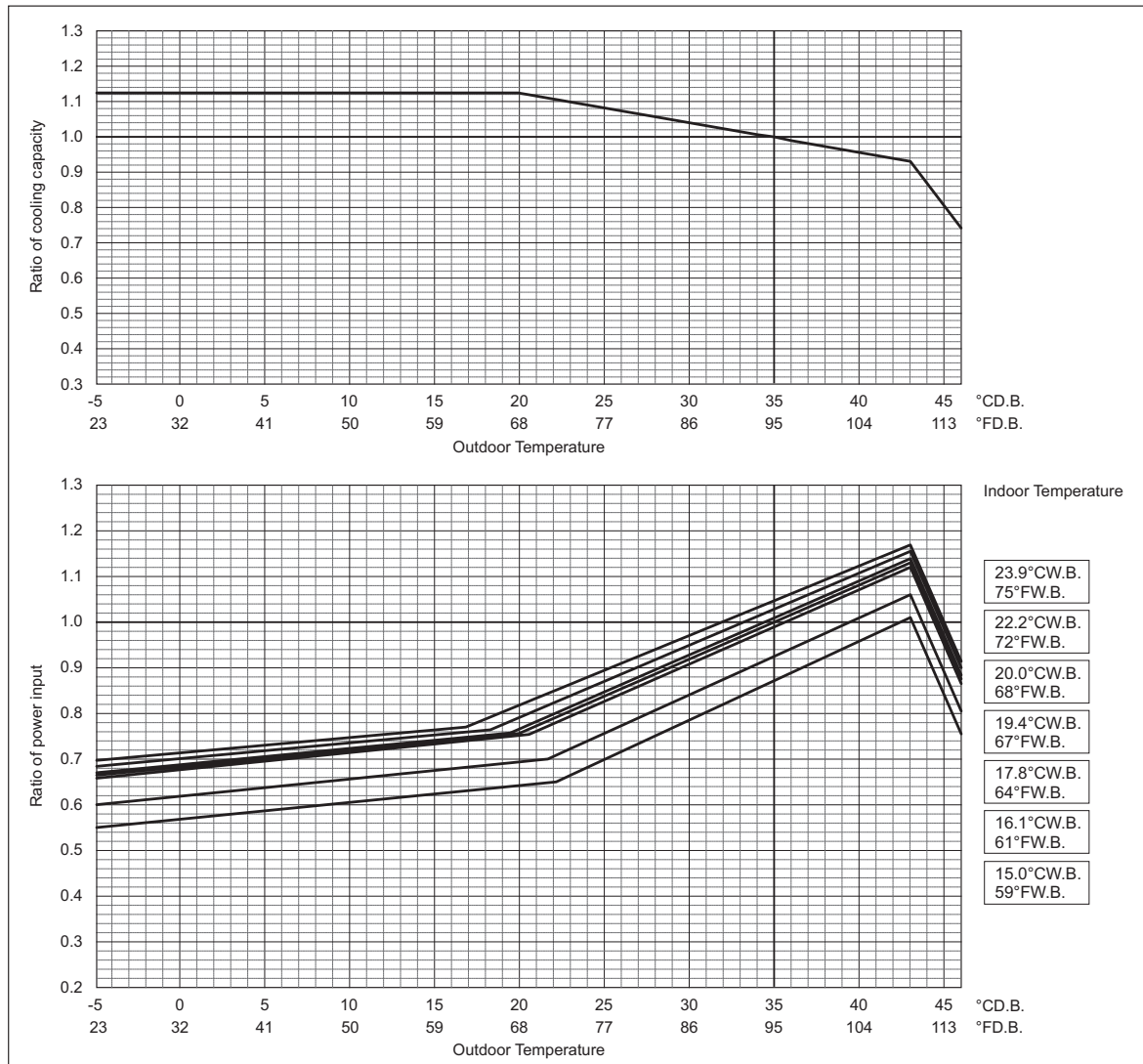


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

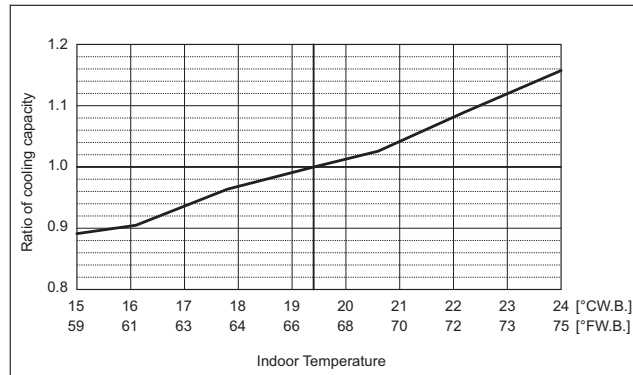
8-1. Correction by Temperature (Standard Performance), cont.

8-1-1. Cooling Capacity

PURY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	11.20	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	10.14	10.60

Indoor unit temperature correction

To be used to correct indoor unit capacity only

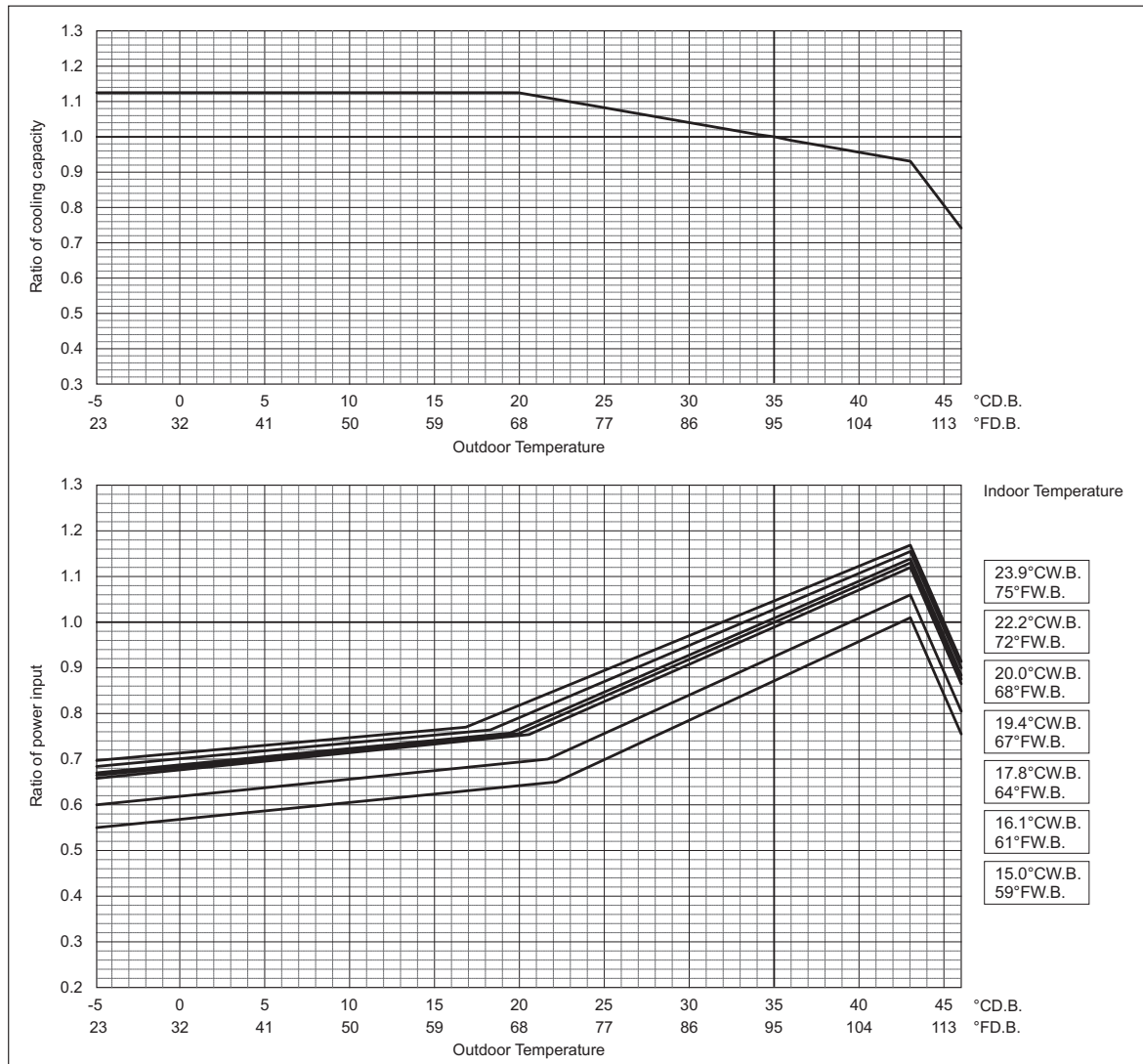


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

8-1-1. Cooling Capacity

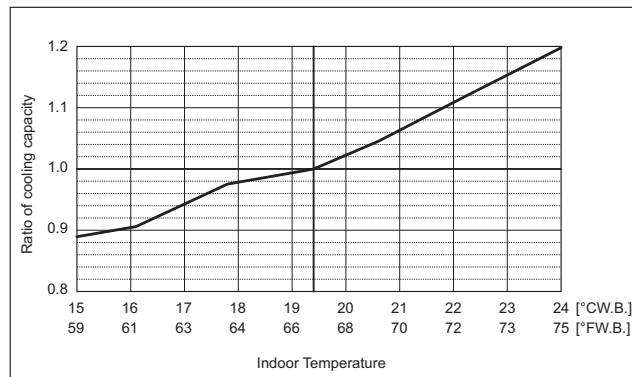
PURY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	10.31	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	8.87	10.23

PURY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	168,000	
	kW	49.2	
	Input kW	12.80	
Rated cooling capacity	BTU/h	161,000	
	kW	47.2	
	Input kW	11.80	11.90

PURY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	192,000	
	kW	56.3	
	Input kW	15.61	
Rated cooling capacity	BTU/h	183,000	
	kW	53.6	
	Input kW	14.61	14.30

Indoor unit temperature correction

To be used to correct indoor unit capacity only

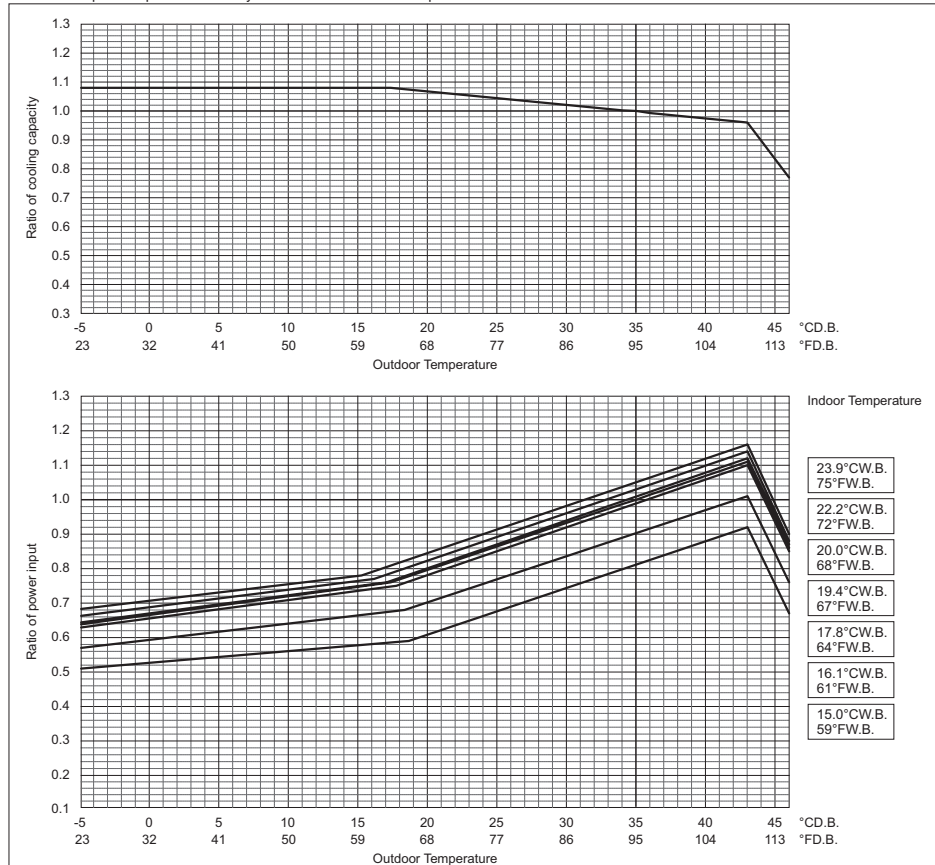


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

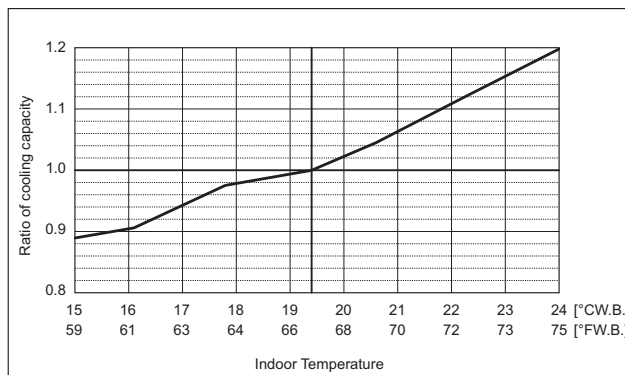
8-1-1. Cooling Capacity

PURY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	216,000	
	kW	63.3	
	Input kW	18.22	
Rated cooling capacity	BTU/h	206,000	
	kW	60.4	
	Input kW	17.43	16.31

PURY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	240,000	
	kW	70.3	
	Input kW	21.11	
Rated cooling capacity	BTU/h	228,000	
	kW	66.8	
	Input kW	20.03	19.06

Indoor unit temperature correction

To be used to correct indoor unit capacity only

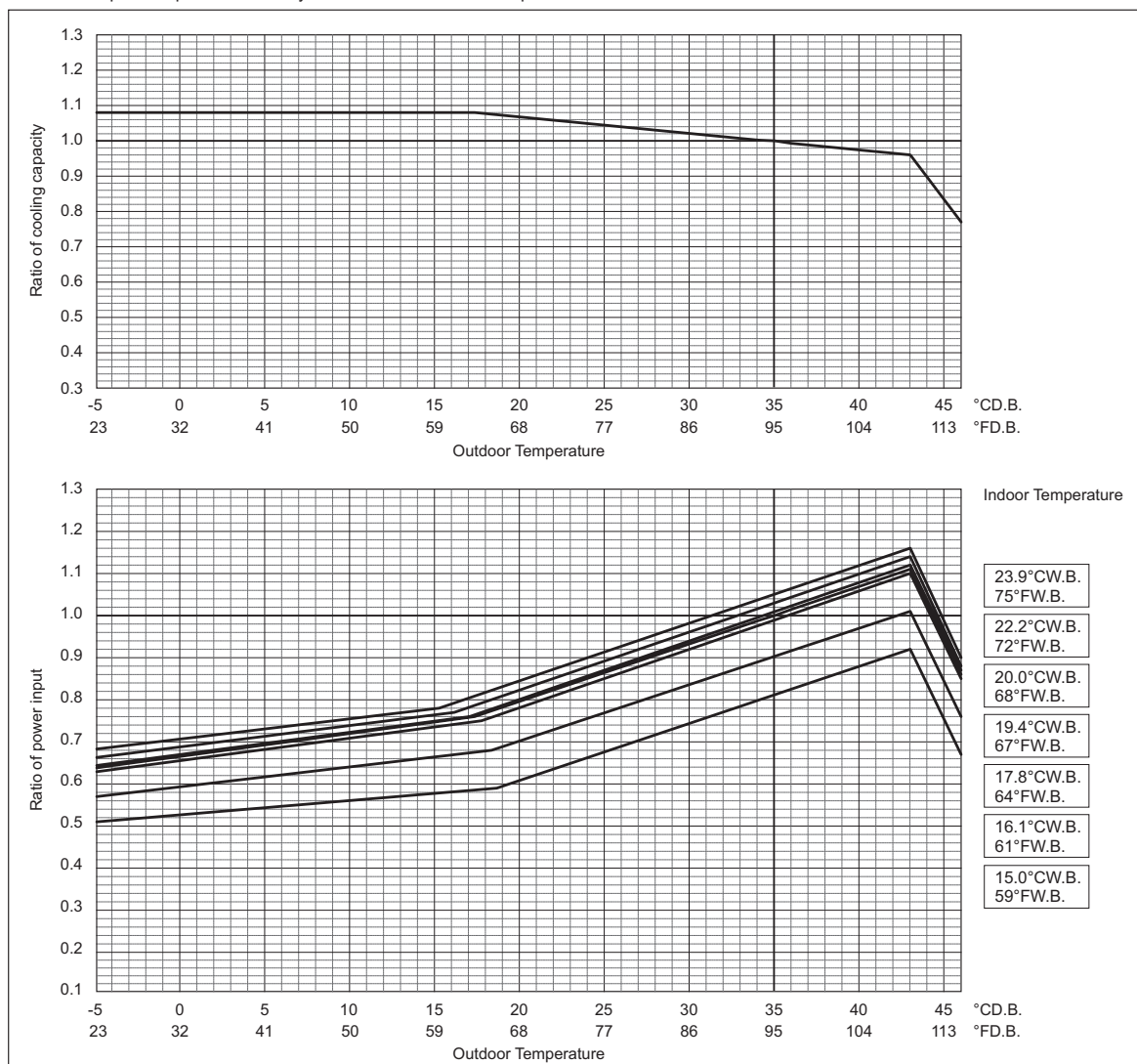


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

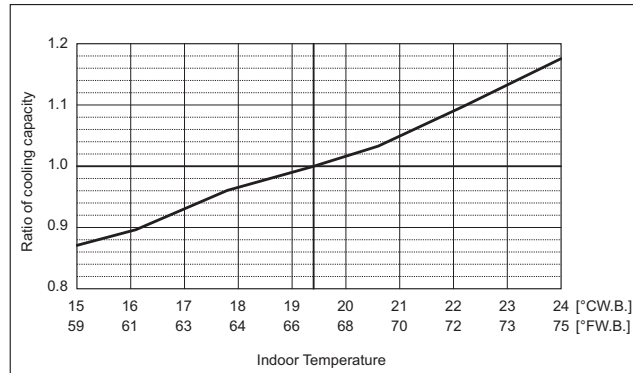
8-1-1. Cooling Capacity

PURY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	264,000	
	kW	77.4	
	Input kW	23.05	
Rated cooling capacity	BTU/h	251,000	
	kW	73.6	
	Input kW	21.89	20.79

PURY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	288,000	
	kW	84.4	
	Input kW	24.57	
Rated cooling capacity	BTU/h	274,000	
	kW	80.3	
	Input kW	23.24	22.26

Indoor unit temperature correction

To be used to correct indoor unit capacity only

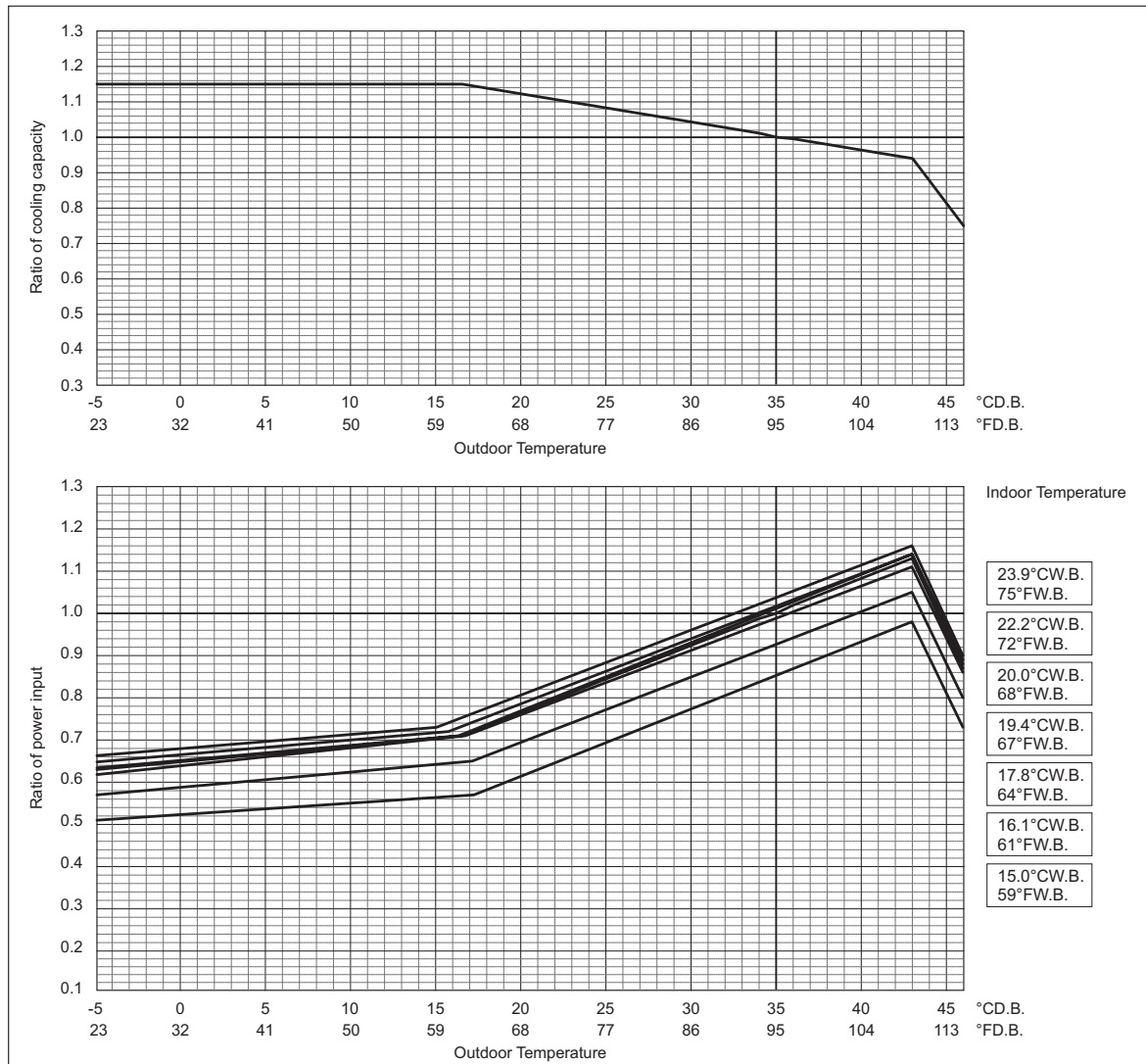


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance)

8-1-2. Heating Capacity

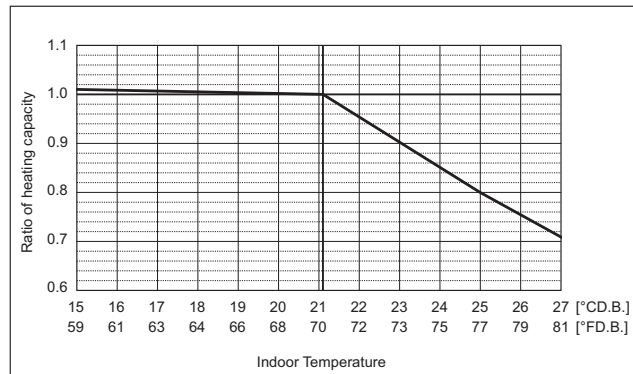
CITY MULTI could have various capacities at different design temperatures. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperatures.

PURY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	80,000	
	kW	23.4	
	Input	5.92	
Rated heating capacity	BTU/h	76,000	
	kW	22.3	
	Input	5.69	5.28

PURY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	108,000	
	kW	31.7	
	Input	8.28	
Rated heating capacity	BTU/h	103,000	
	kW	30.2	
	Input	7.68	7.66

Indoor unit temperature correction

To be used to correct indoor unit capacity only

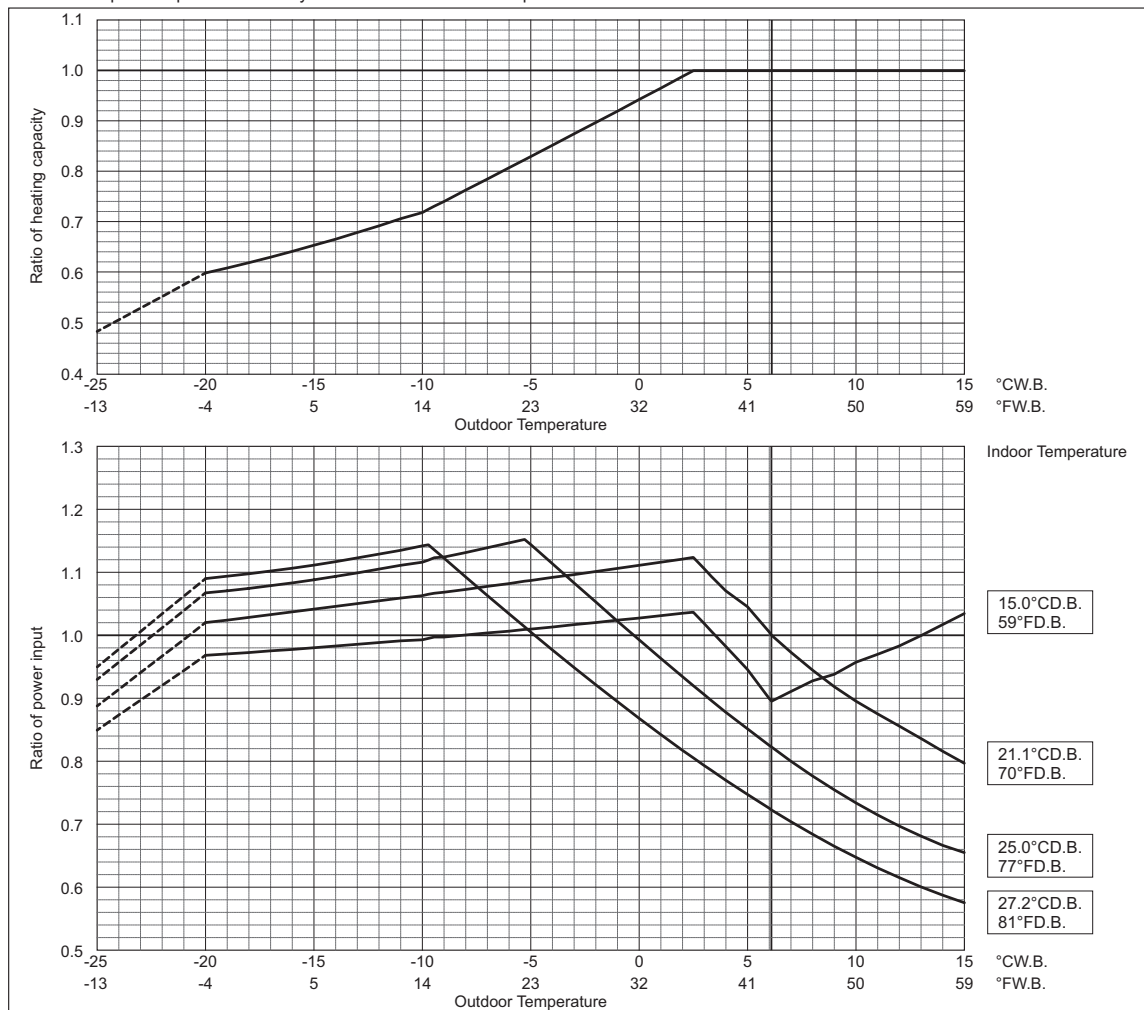


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

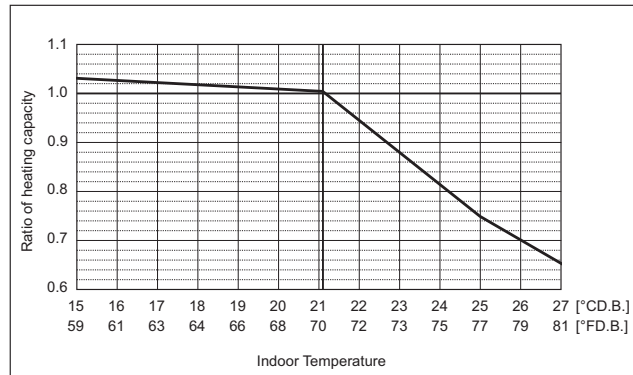
8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

PURY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	135,000	
	kW	39.6	
	Input kW	10.86	
Rated heating capacity	BTU/h	129,000	
	kW	37.8	
	Input kW	9.98	10.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

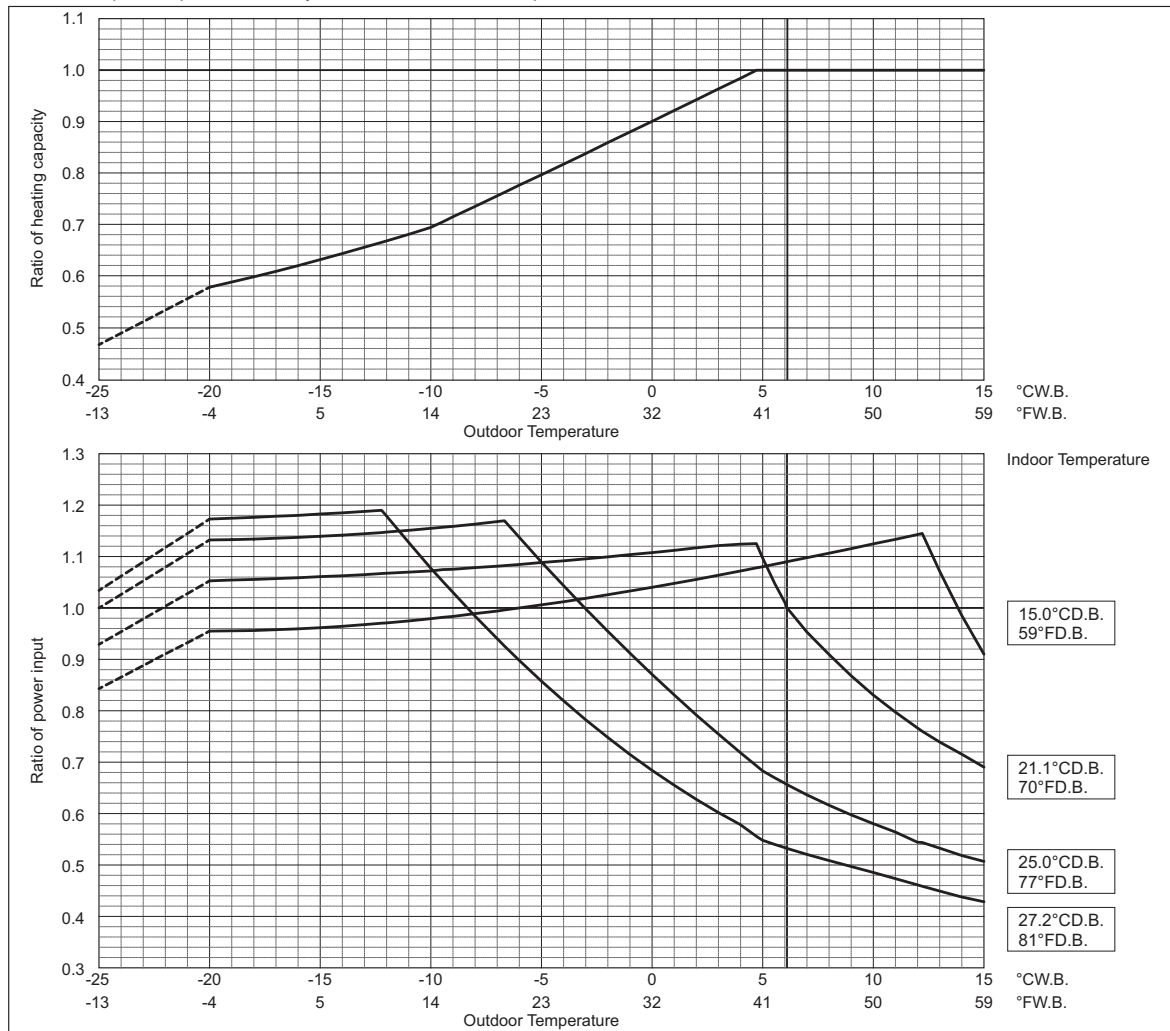


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

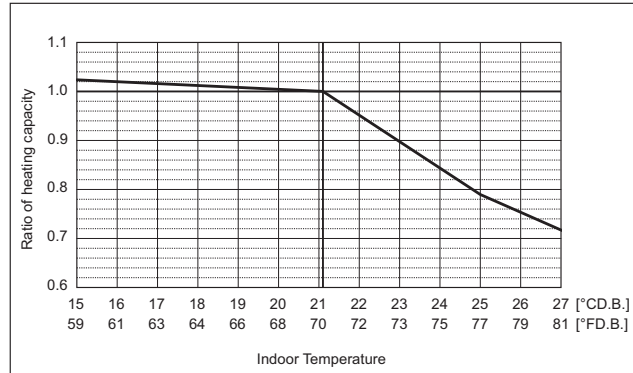
8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

PURY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	13.54	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	12.99	12.09

Indoor unit temperature correction

To be used to correct indoor unit capacity only

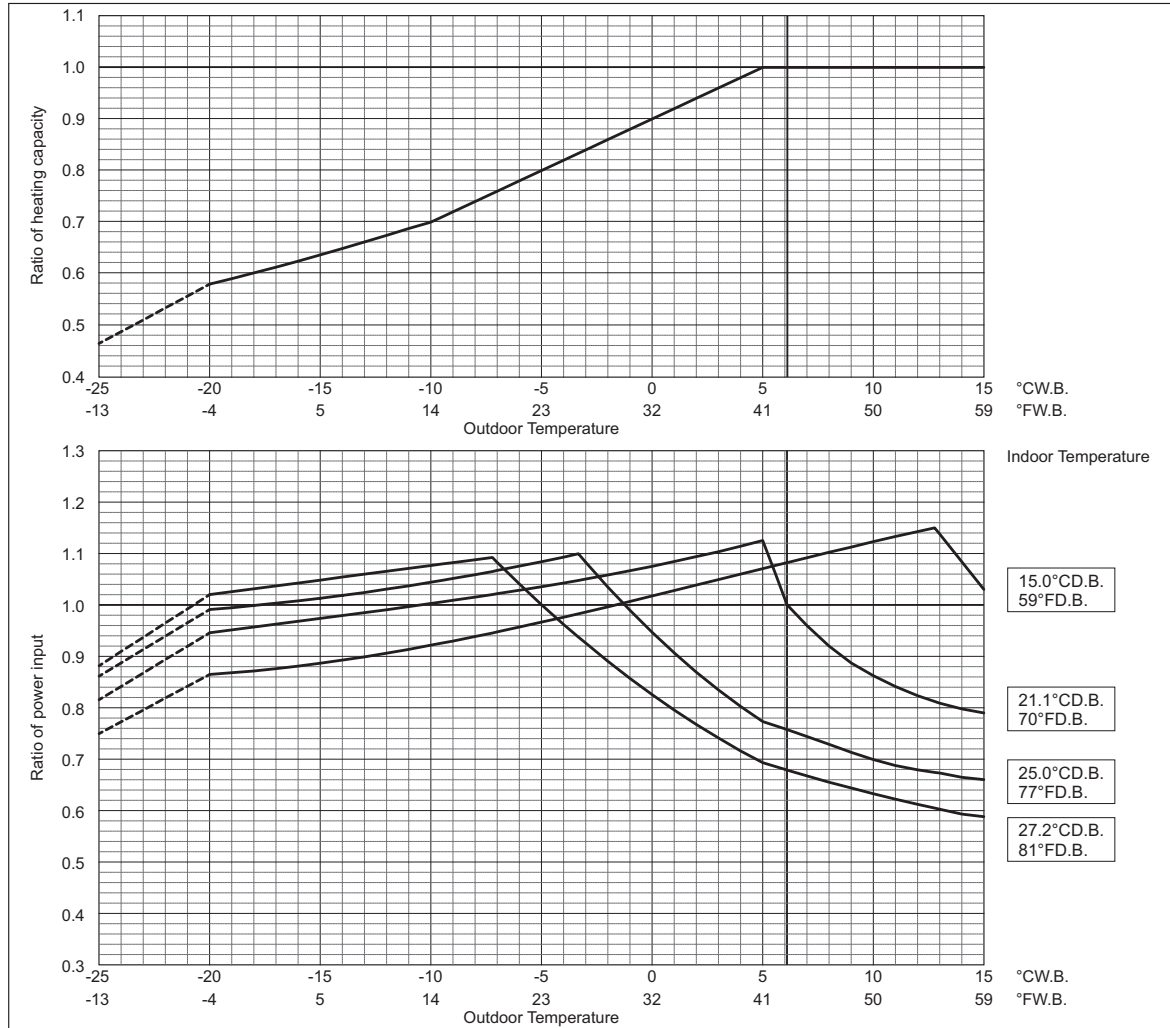


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

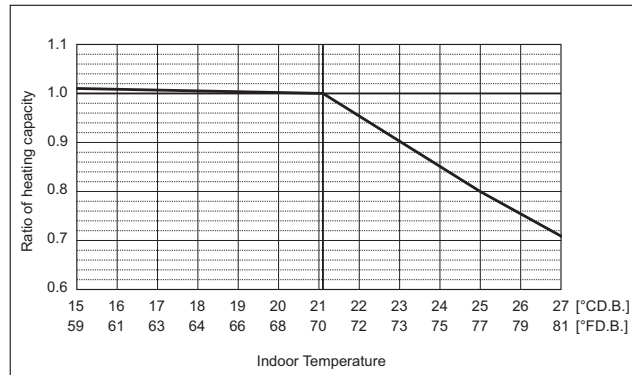
PURY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	12.54	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	11.62	11.61

PURY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	188,000	
	kW	55.1	
	Input kW	14.91	
Rated heating capacity	BTU/h	179,000	
	kW	52.5	
	Input kW	14.29	13.32

PURY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	215,000	
	kW	63.0	
	Input kW	17.20	
Rated heating capacity	BTU/h	205,000	
	kW	60.1	
	Input kW	16.62	15.24

Indoor unit temperature correction

To be used to correct indoor unit capacity only

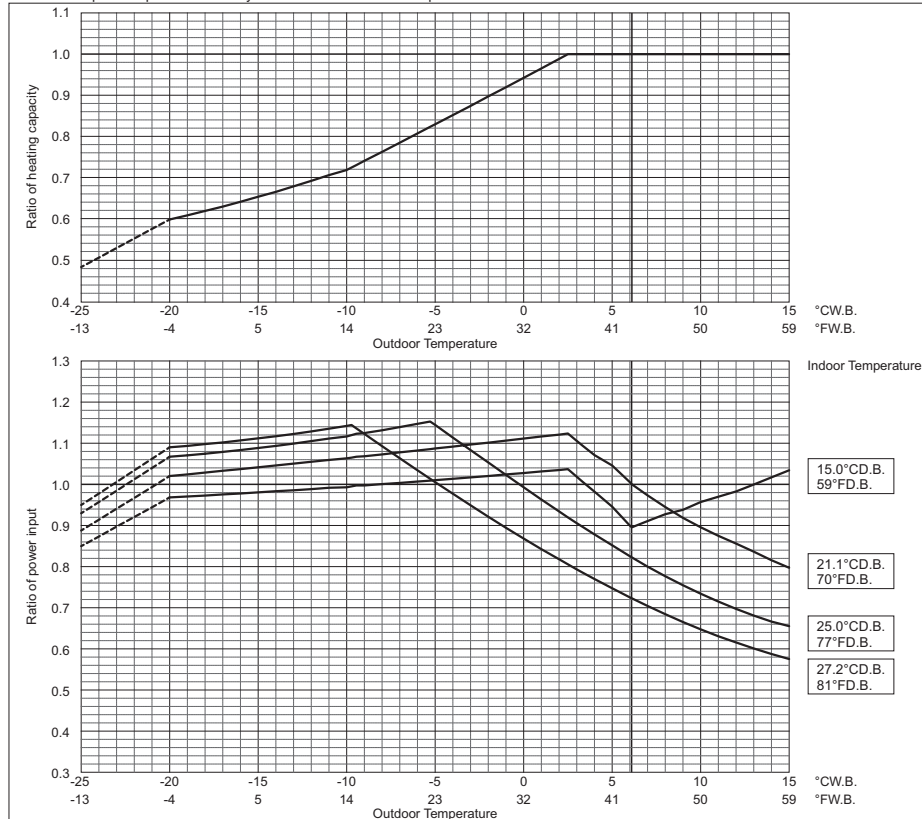


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

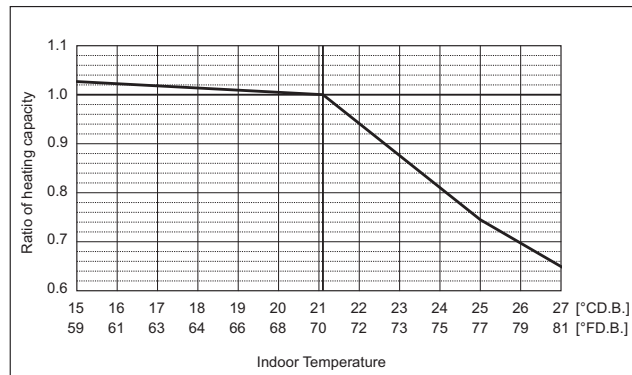
8-1-2. Heating Capacity

PURY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	243,000	
	kW	71.2	
Rated heating capacity	BTU/h	232,000	
	kW	68.0	
Input	kW	19.09	17.75

PURY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	270,000	
	kW	79.1	
Rated heating capacity	BTU/h	258,000	
	kW	75.6	
Input	kW	21.30	20.79

Indoor unit temperature correction

To be used to correct indoor unit capacity only

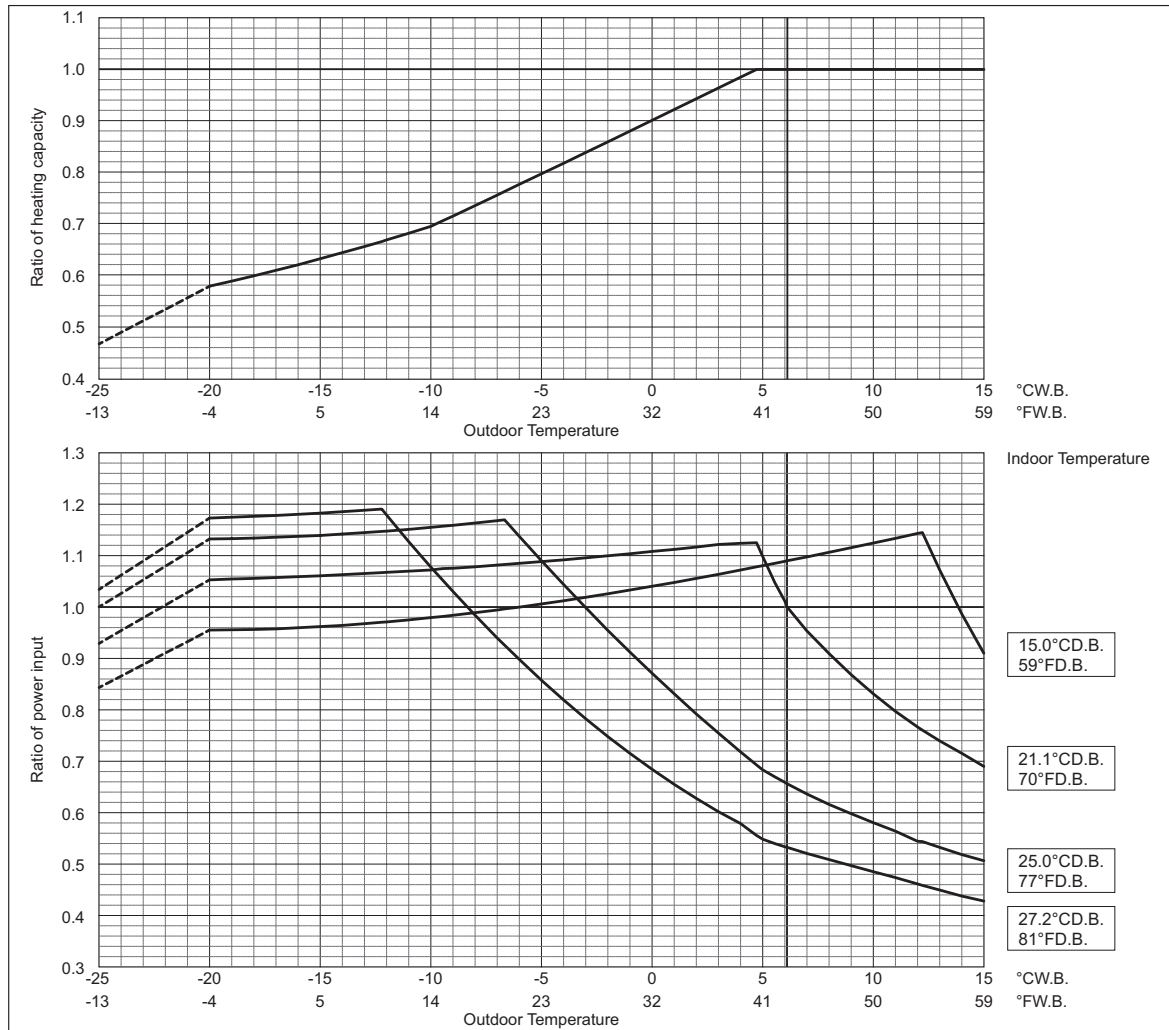


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance), cont.

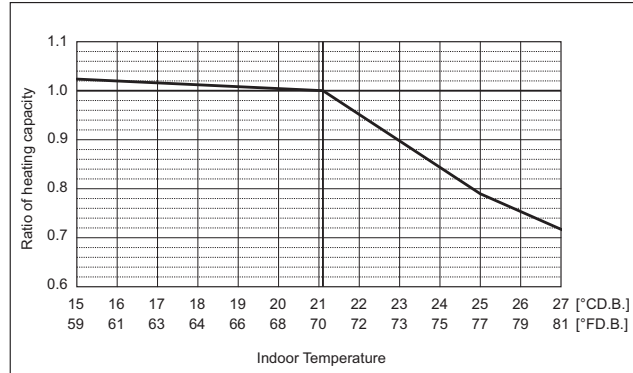
8-1-2. Heating Capacity

PURY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	295,000	
	kW	86.5	
	Input kW	25.37	
Rated heating capacity	BTU/h	281,000	
	kW	82.4	
	Input kW	24.49	22.49

PURY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	320,000	
	kW	93.8	
	Input kW	27.62	
Rated heating capacity	BTU/h	304,000	
	kW	89.1	
	Input kW	26.91	24.23

Indoor unit temperature correction

To be used to correct indoor unit capacity only

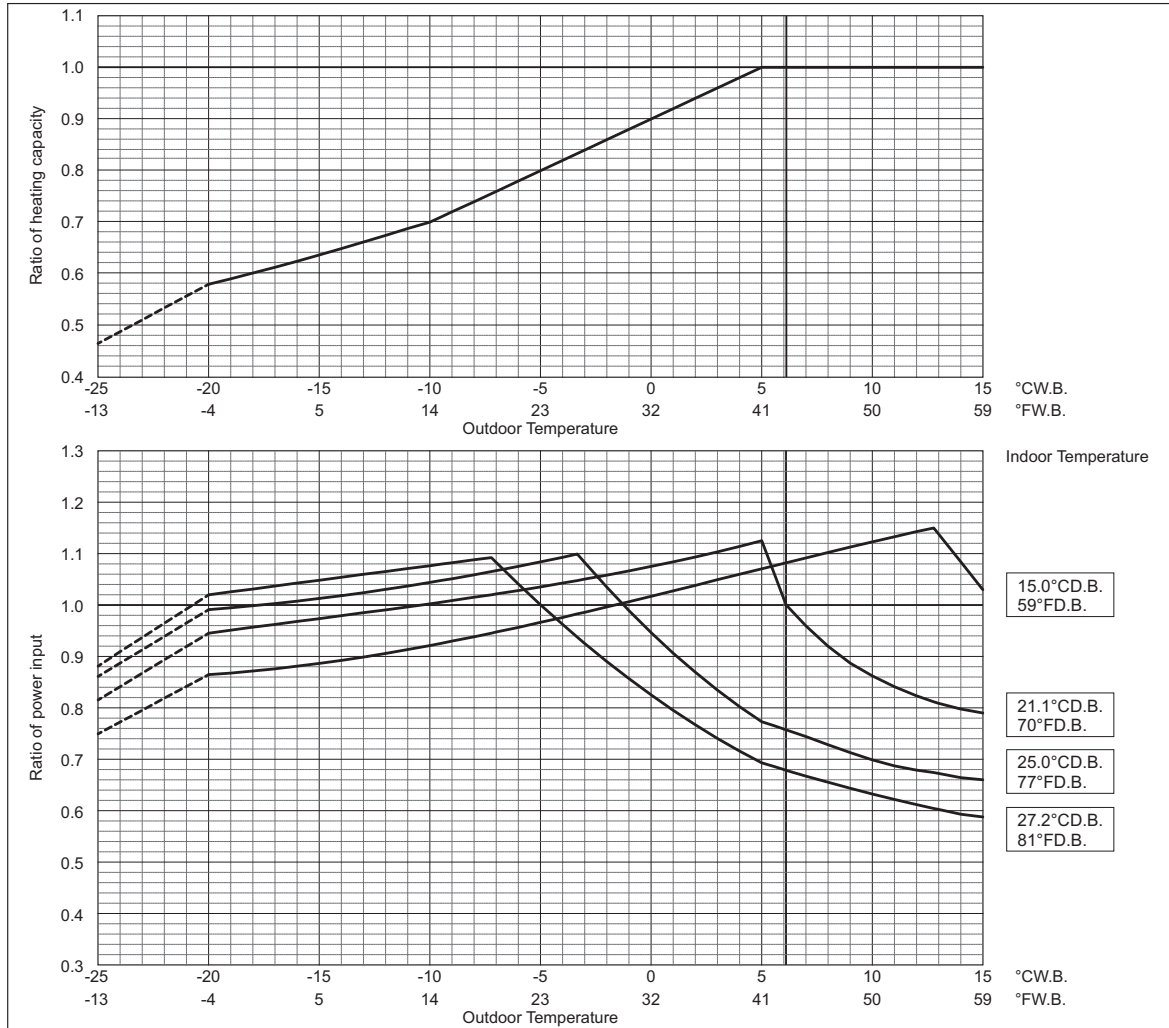


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance)

8-2-1. Cooling Capacity

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

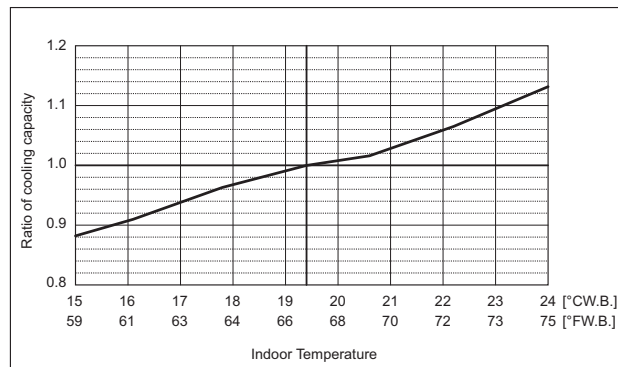
To select high-heating performance operation, enable function setting 935 in the SW 4 bank. See Technical & Service Manual for more details. At low ambient temperatures, heating capacity and power input become higher than those seen in standard operation.

PURY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	72,000	
	kW	21.1	
	Input kW	4.40	
Rated cooling capacity	BTU/h	69,000	
	kW	20.2	
	Input kW	4.10	4.05

PURY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	96,000	
	kW	28.1	
	Input kW	7.05	
Rated cooling capacity	BTU/h	92,000	
	kW	27.0	
	Input kW	6.24	6.81

Indoor unit temperature correction

To be used to correct indoor unit capacity only

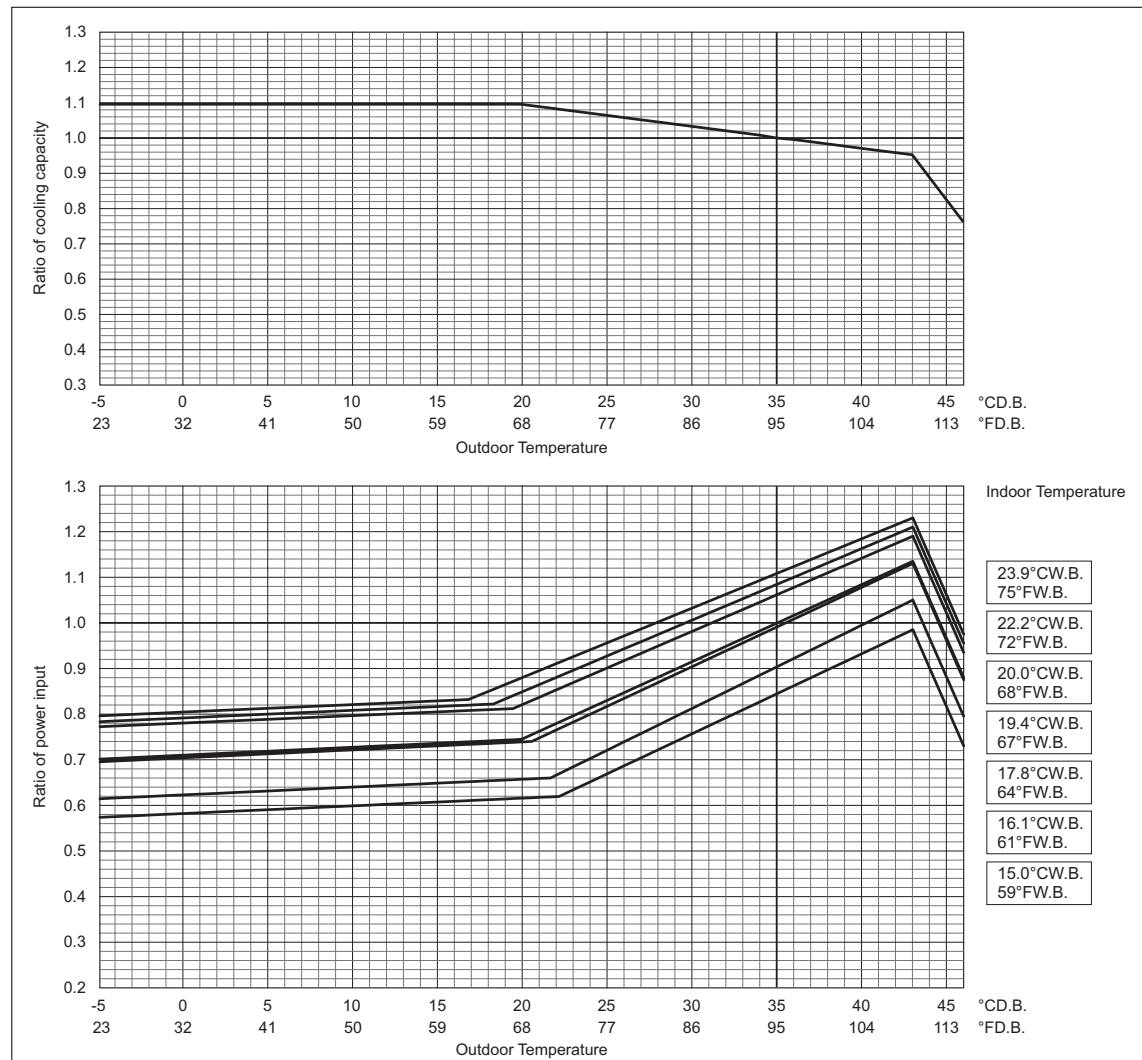


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

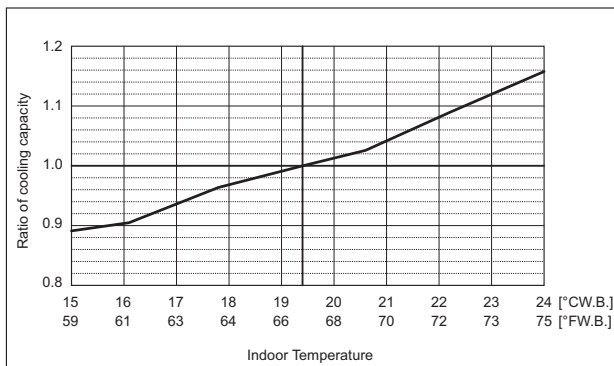
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-1. Cooling Capacity

PURY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	120,000	
	kW	35.2	
	Input kW	9.44	
Rated cooling capacity	BTU/h	114,000	
	kW	33.4	
	Input kW	8.78	8.71

Indoor unit temperature correction

To be used to correct indoor unit capacity only

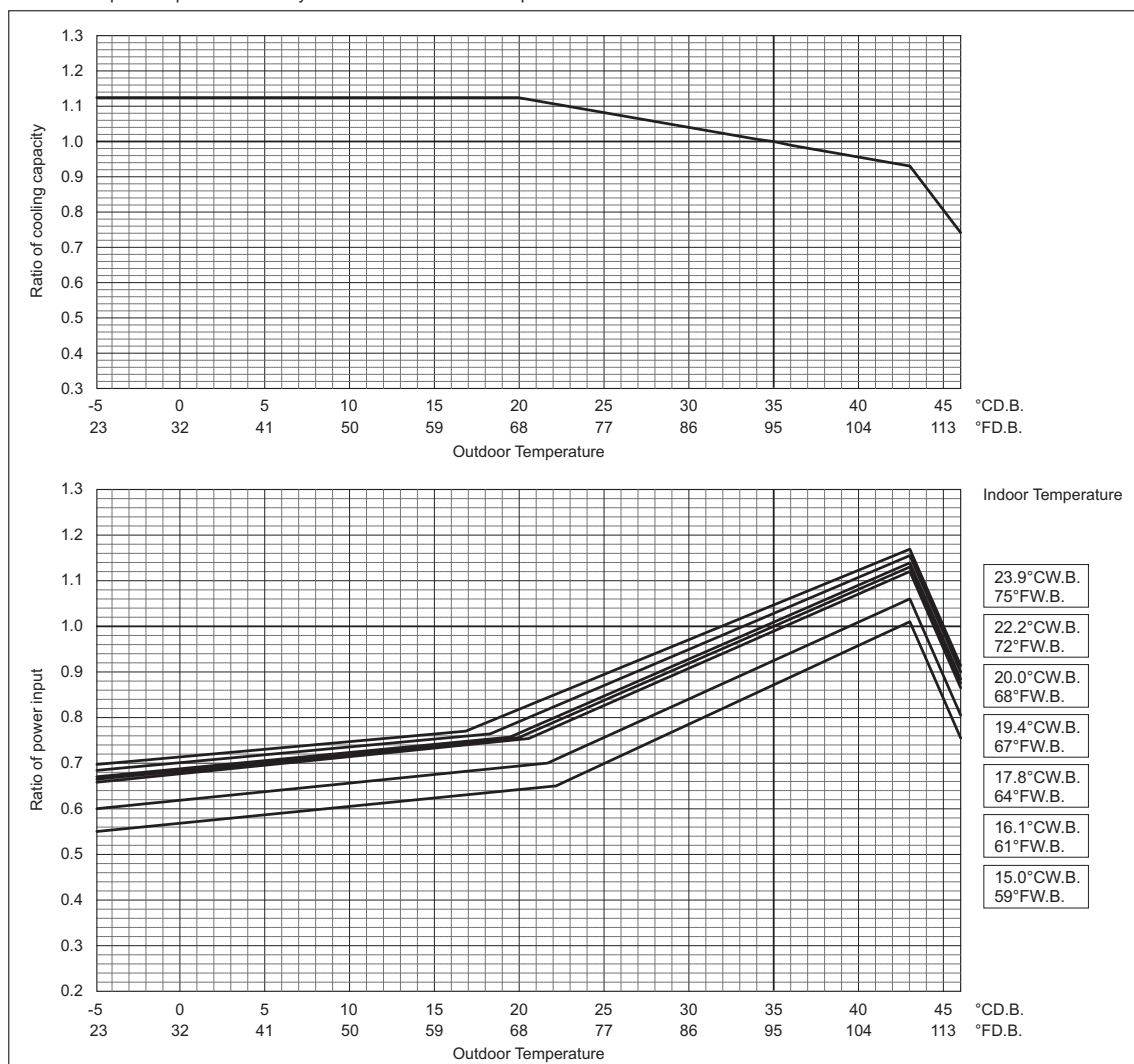


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

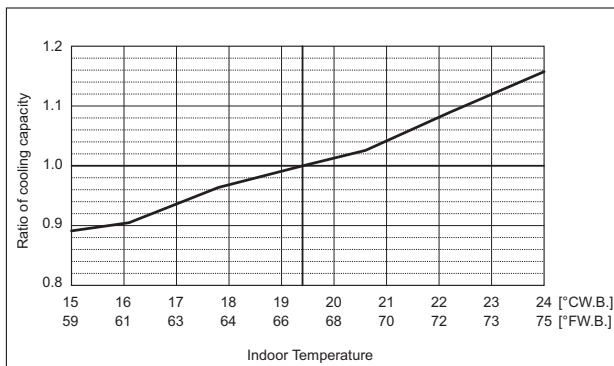
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-1. Cooling Capacity

PURY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	11.20	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	10.14	10.60

Indoor unit temperature correction

To be used to correct indoor unit capacity only

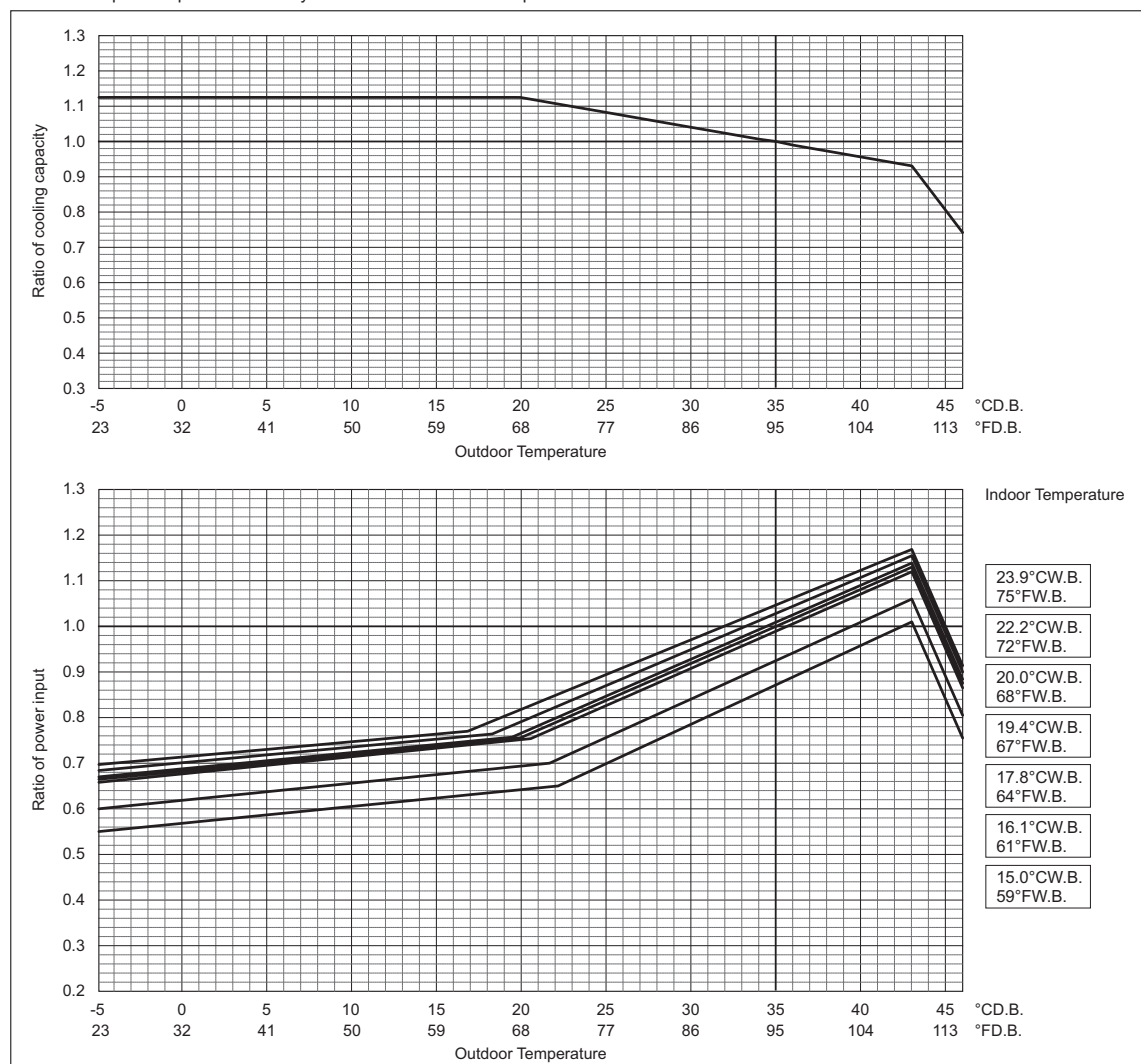


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

8-2-1. Cooling Capacity

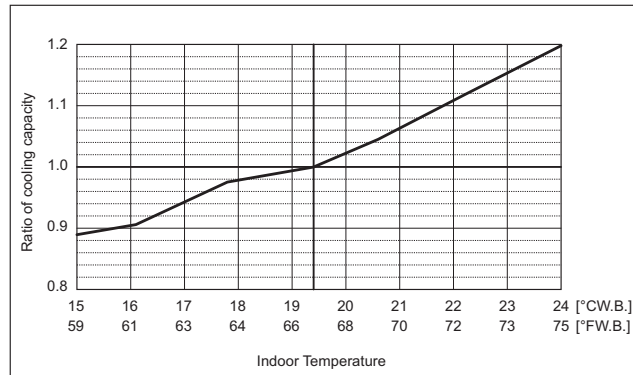
PURY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	10.31	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	8.87	10.23

PURY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	168,000	
	kW	49.2	
	Input kW	12.80	
Rated cooling capacity	BTU/h	161,000	
	kW	47.2	
	Input kW	11.80	11.90

PURY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	192,000	
	kW	56.3	
	Input kW	15.61	
Rated cooling capacity	BTU/h	183,000	
	kW	53.6	
	Input kW	14.61	14.30

Indoor unit temperature correction

To be used to correct indoor unit capacity only

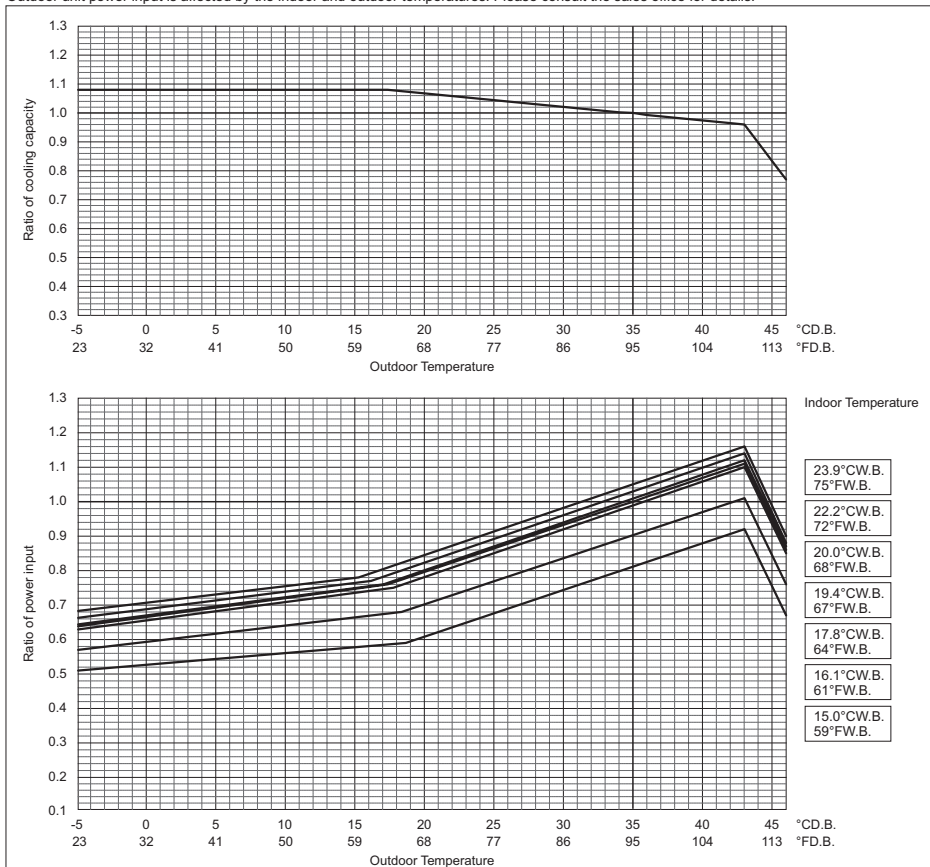


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

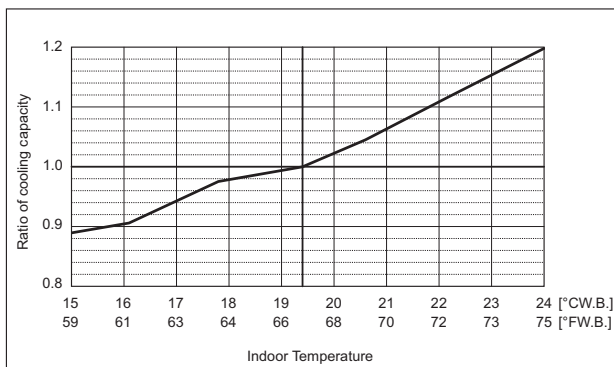
8-2-1. Cooling Capacity

PURY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	216,000	
	kW	63.3	
	Input kW	18.22	
Rated cooling capacity	BTU/h	206,000	
	kW	60.4	
	Input kW	17.43	16.31

PURY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	240,000	
	kW	70.3	
	Input kW	21.11	
Rated cooling capacity	BTU/h	228,000	
	kW	66.8	
	Input kW	20.03	19.06

Indoor unit temperature correction

To be used to correct indoor unit capacity only

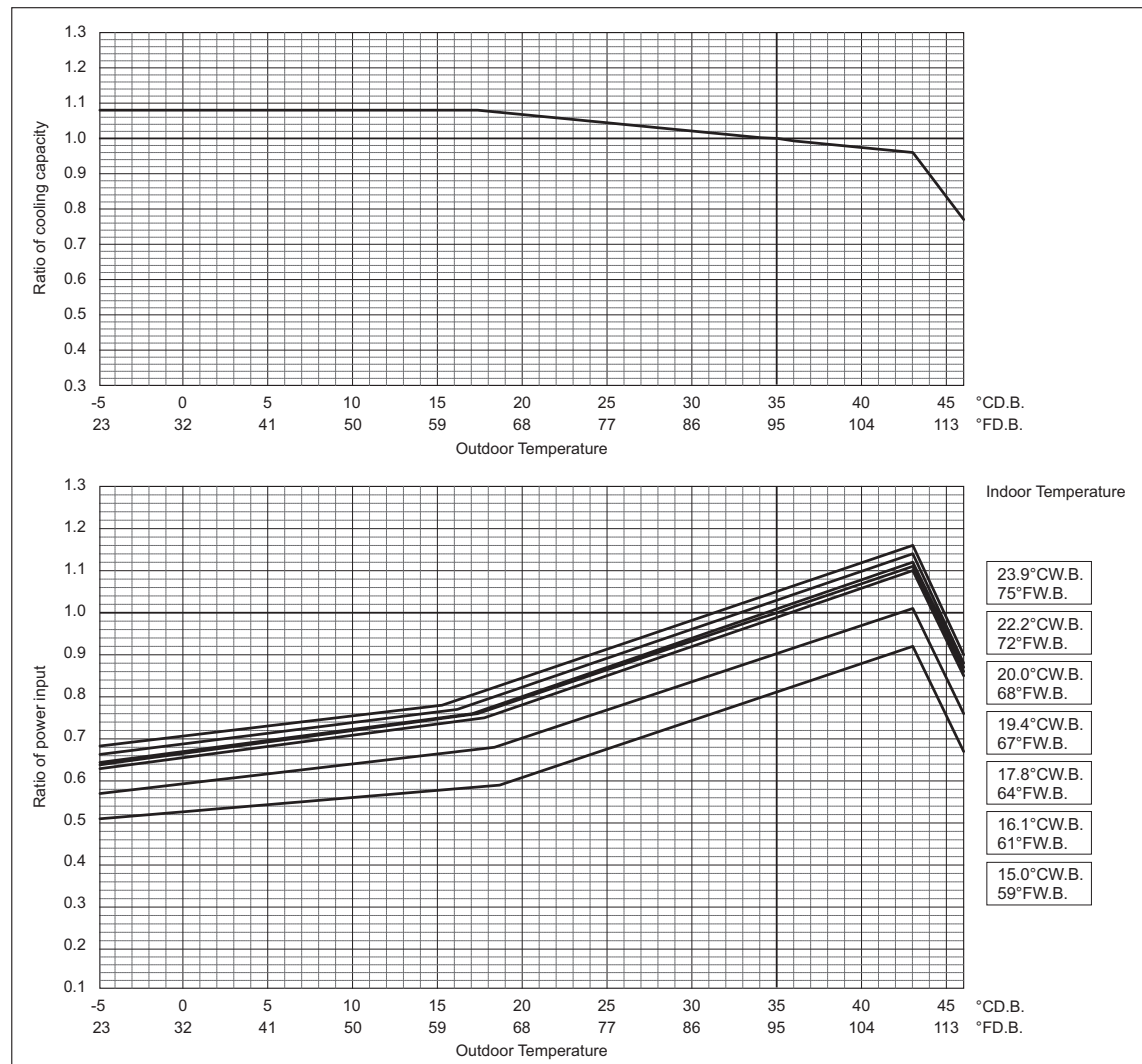


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance)

8-2-2. Heating Capacity

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

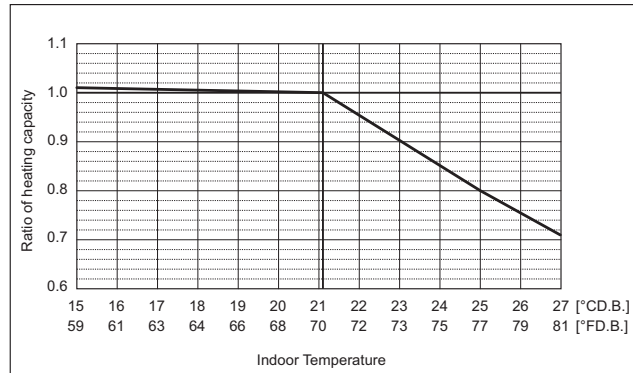
To select high-heating performance operation, enable function setting 935 in the SW 4 bank. See Technical & Service Manual for more details. At low ambient temperatures, heating capacity and power input become higher than those seen in standard operation.

PURY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	80,000	
	kW	23.4	
	Input kW	5.92	
Rated heating capacity	BTU/h	76,000	
	kW	22.3	
	Input kW	5.69	5.28

PURY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	108,000	
	kW	31.7	
	Input kW	8.28	
Rated heating capacity	BTU/h	103,000	
	kW	30.2	
	Input kW	7.68	7.66

Indoor unit temperature correction

To be used to correct indoor unit capacity only

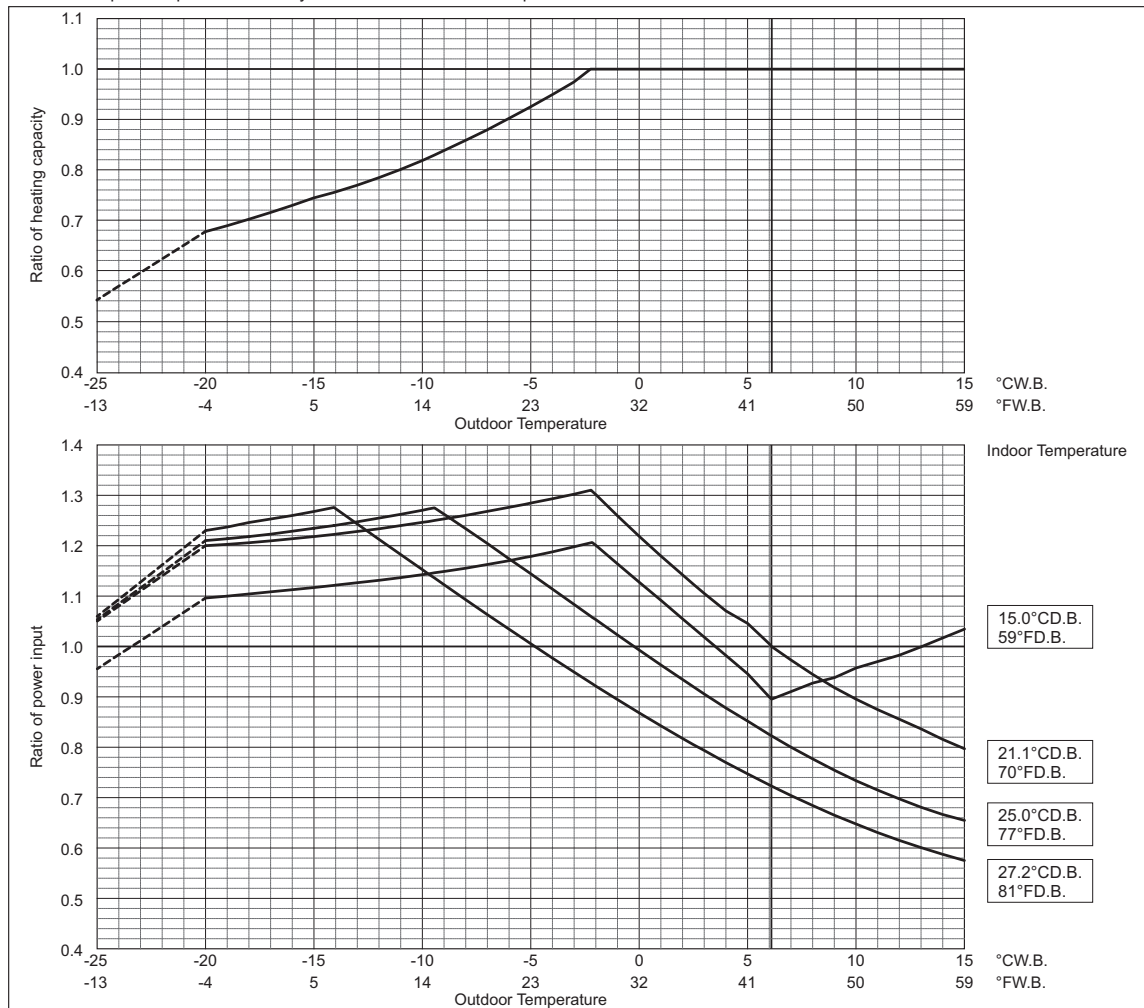


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

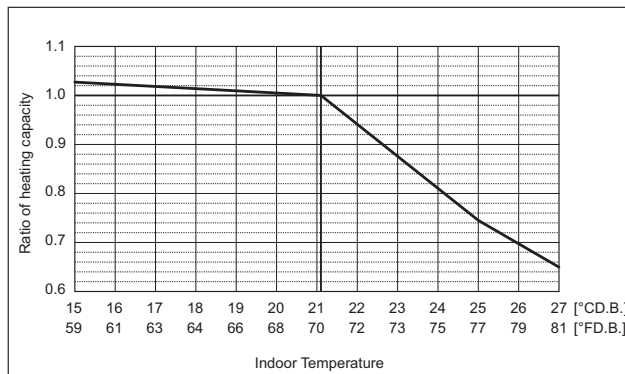
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-2. Heating Capacity

PURY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	135,000	
	kW	39.6	
	Input	kW	
Rated heating capacity	BTU/h	129,000	
	kW	37.8	
	Input	kW	10.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

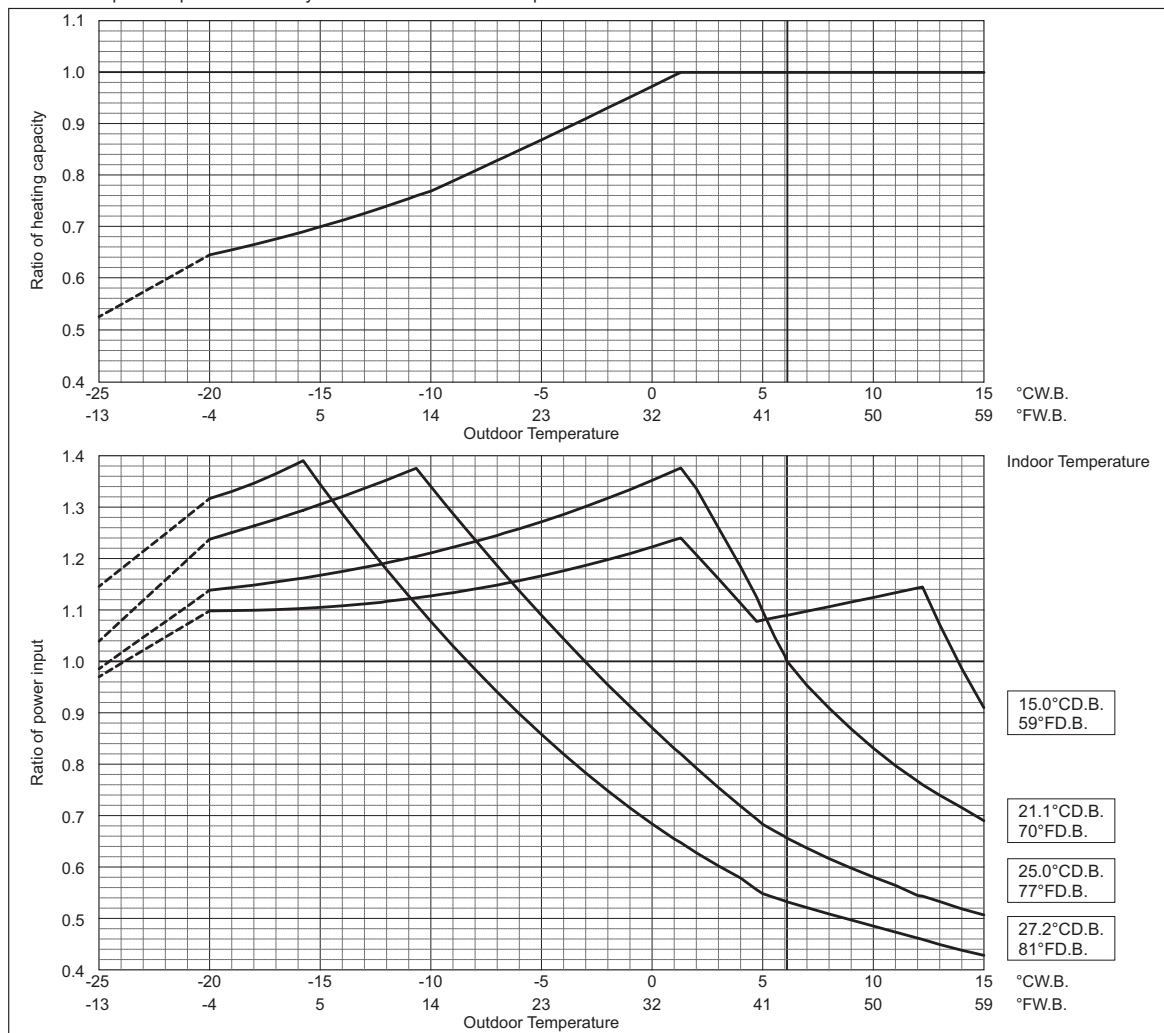


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

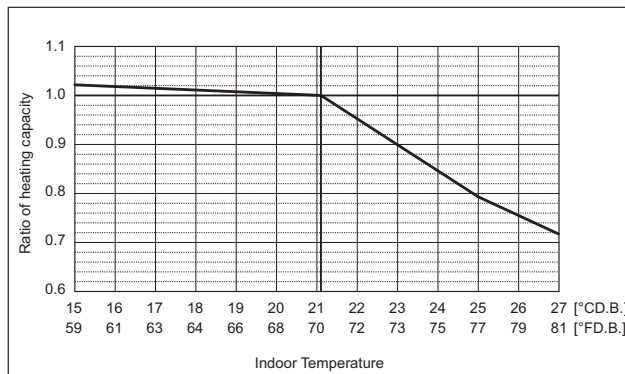
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-2. Heating Capacity

PURY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	13.54	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	12.99	12.09

Indoor unit temperature correction

To be used to correct indoor unit capacity only

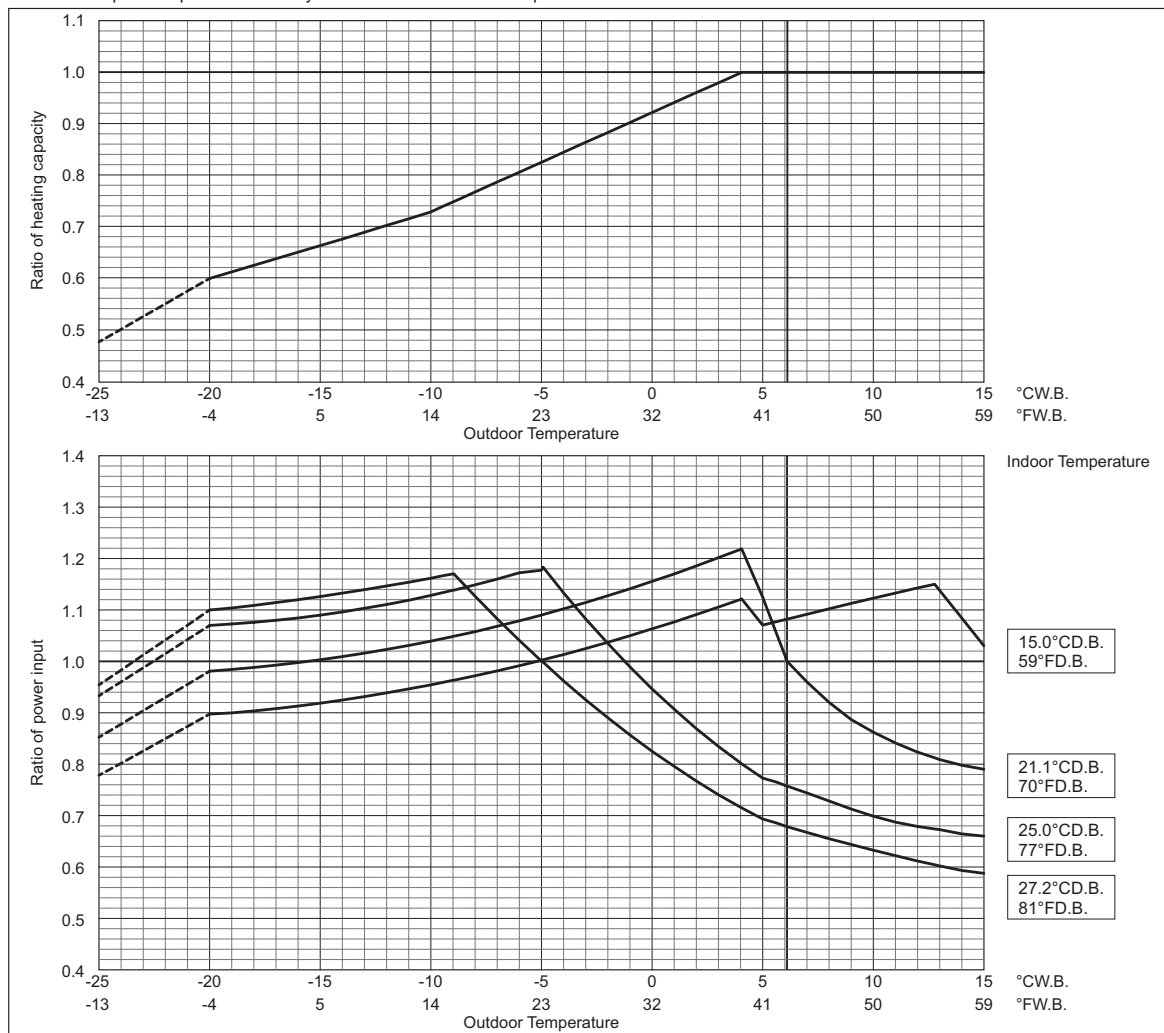


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

8-2-2. Heating Capacity

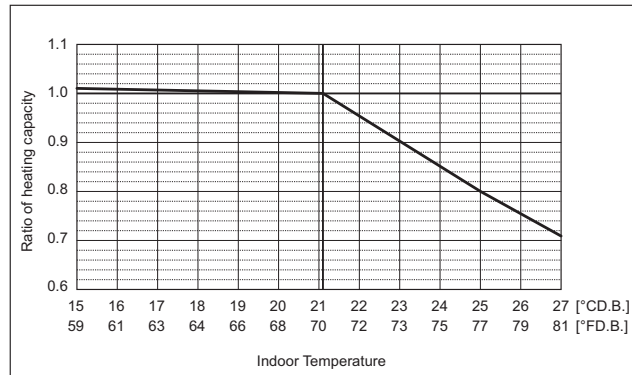
PURY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	12.54	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	11.62	11.61

PURY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	188,000	
	kW	55.1	
	Input kW	14.91	
Rated heating capacity	BTU/h	179,000	
	kW	52.5	
	Input kW	14.29	13.32

PURY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	215,000	
	kW	63.0	
	Input kW	17.20	
Rated heating capacity	BTU/h	205,000	
	kW	60.1	
	Input kW	16.62	15.24

Indoor unit temperature correction

To be used to correct indoor unit capacity only

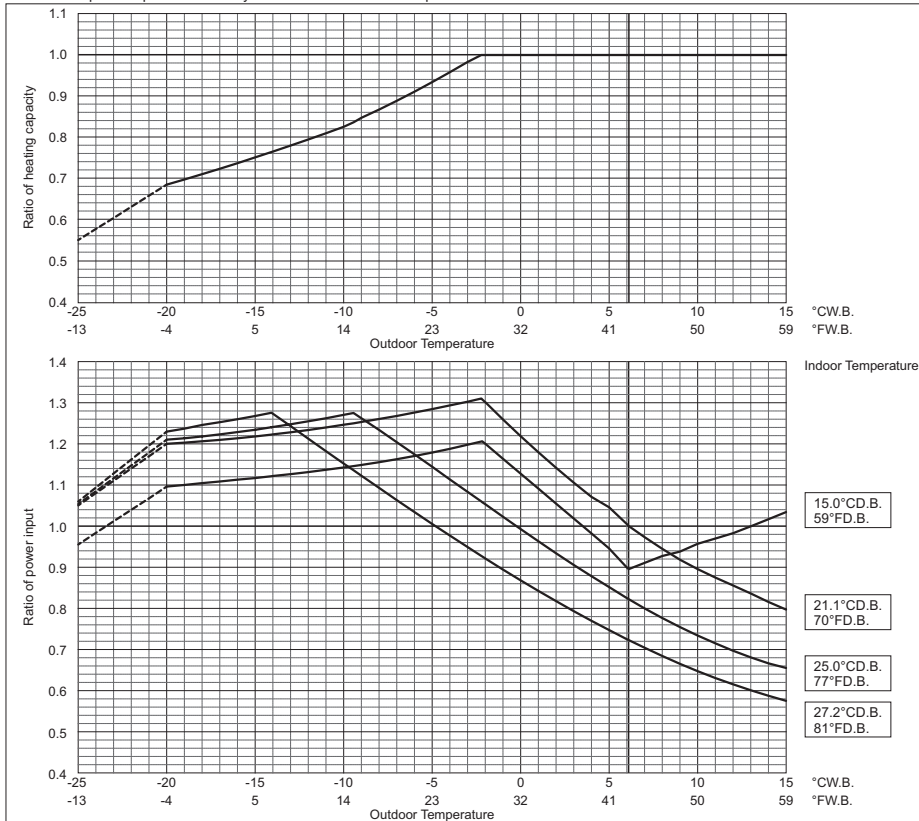


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

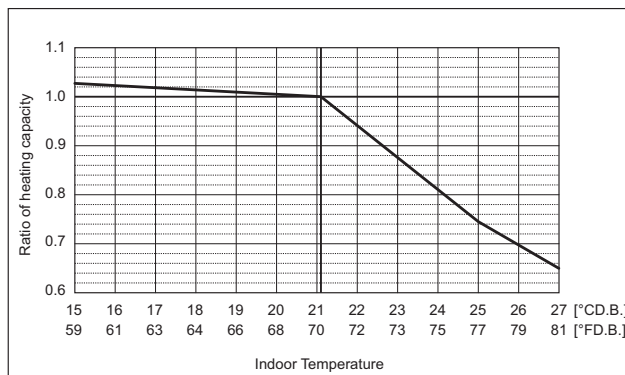
8-2-2. Heating Capacity

PURY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	243,000	
	kW	71.2	
	Input kW	19.89	
Rated heating capacity	BTU/h	232,000	
	kW	68.0	
	Input kW	19.09	17.75

PURY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	270,000	
	kW	79.1	
	Input kW	22.73	
Rated heating capacity	BTU/h	258,000	
	kW	75.6	
	Input kW	21.30	20.79

Indoor unit temperature correction

To be used to correct indoor unit capacity only

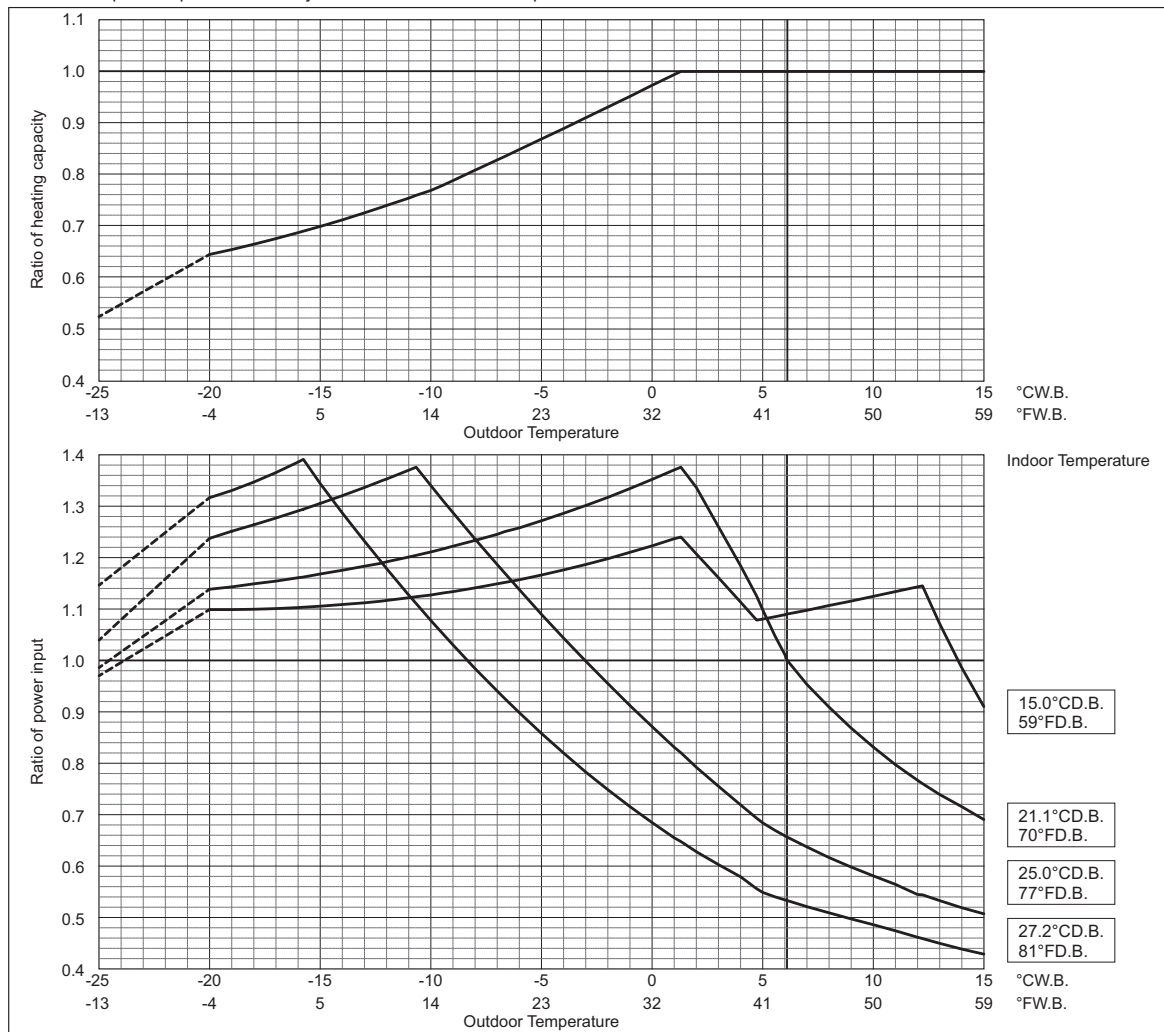


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

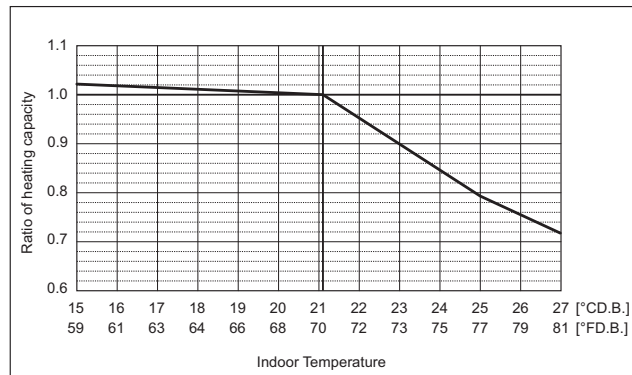
8-2-2. Heating Capacity

PURY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	295,000	
	kW	86.5	
	Input kW	25.37	
Rated heating capacity	BTU/h	281,000	
	kW	82.4	
	Input kW	24.49	22.49

PURY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	320,000	
	kW	93.8	
	Input kW	27.62	
Rated heating capacity	BTU/h	304,000	
	kW	89.1	
	Input kW	26.91	24.23

Indoor unit temperature correction

To be used to correct indoor unit capacity only

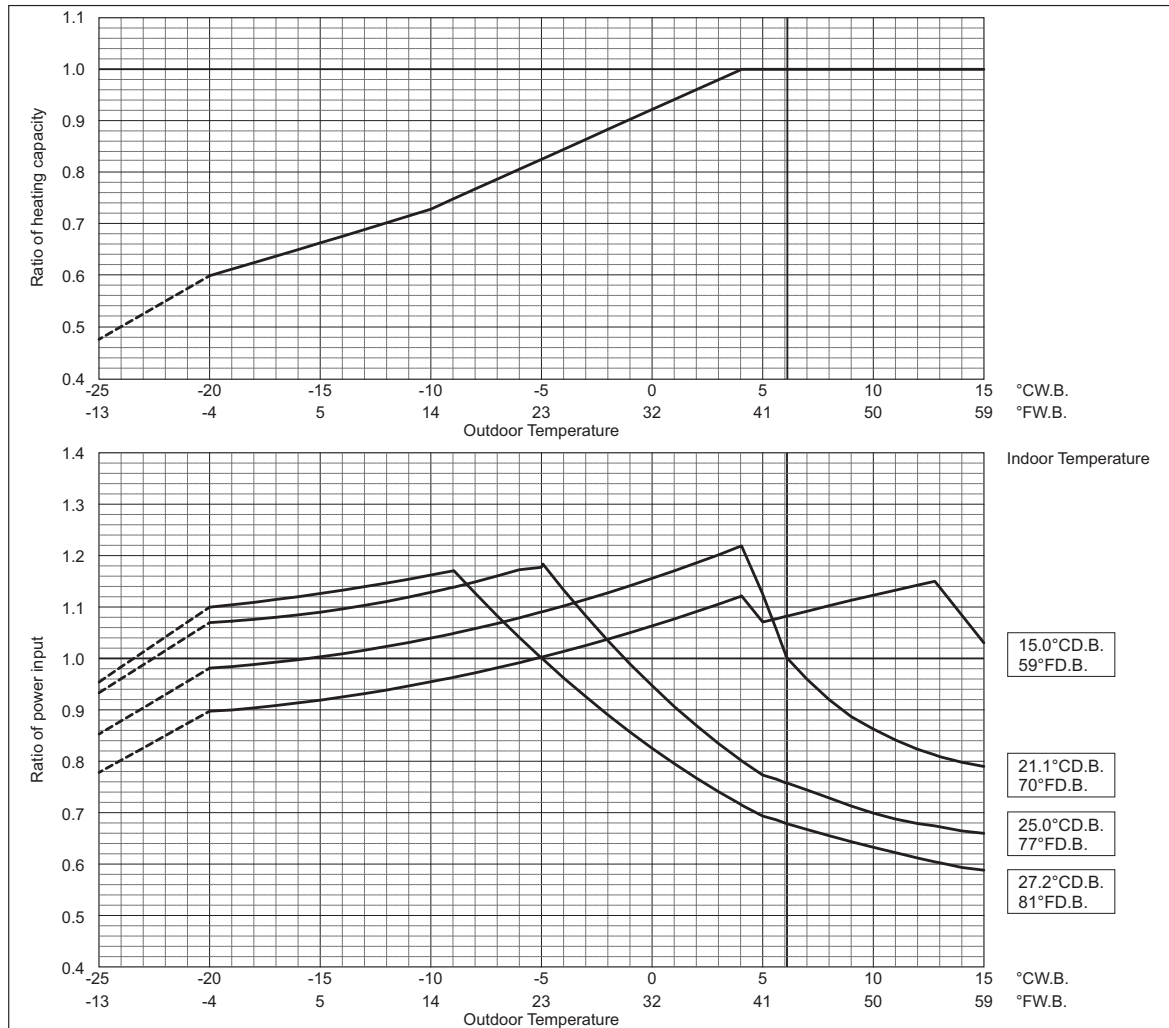


Outdoor unit temperature correction

To be used to correct outdoor unit only

Outdoor unit capacity is NOT affected by the indoor temperature.

Outdoor unit power input is affected by the indoor and outdoor temperatures. Please consult the sales office for details.



Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

When using the units at outdoor temperatures below -20°C (-4°F), install a backup heater.

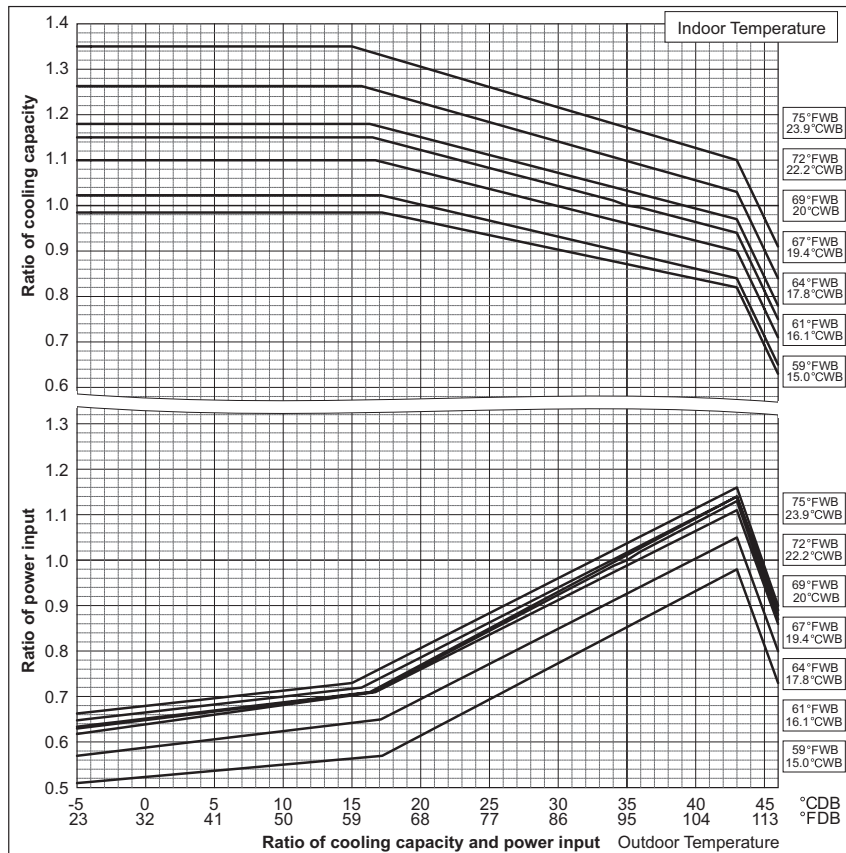
8. CAPACITY TABLES

8-2. Correction by Temperature (High Heating Performance), cont.

8-2-1. Cooling Capacity

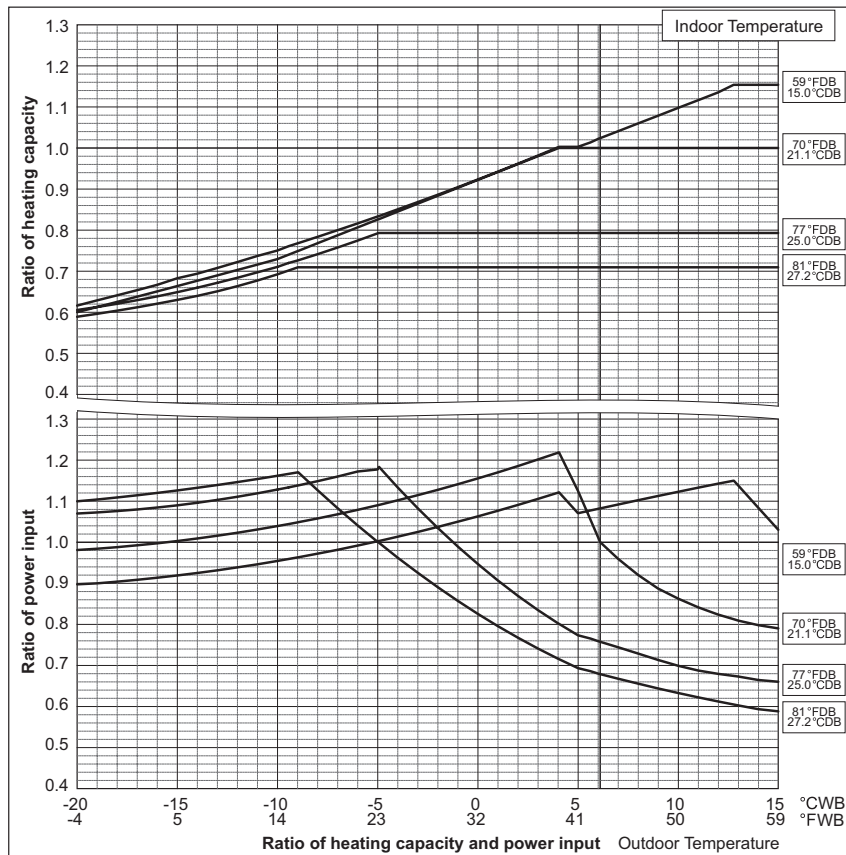
PURY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	264,000	
	kW	77.4	
	Input kW	23.05	
Rated cooling capacity	BTU/h	251,000	
	kW	73.6	
	Input kW	21.89	20.79

PURY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	288,000	
	kW	84.4	
	Input kW	24.57	
Rated cooling capacity	BTU/h	274,000	
	kW	80.3	
	Input kW	23.24	22.26



PURY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	295,000	
	kW	86.5	
	Input kW	25.37	
Rated heating capacity	BTU/h	281,000	
	kW	82.4	
	Input kW	24.49	22.49

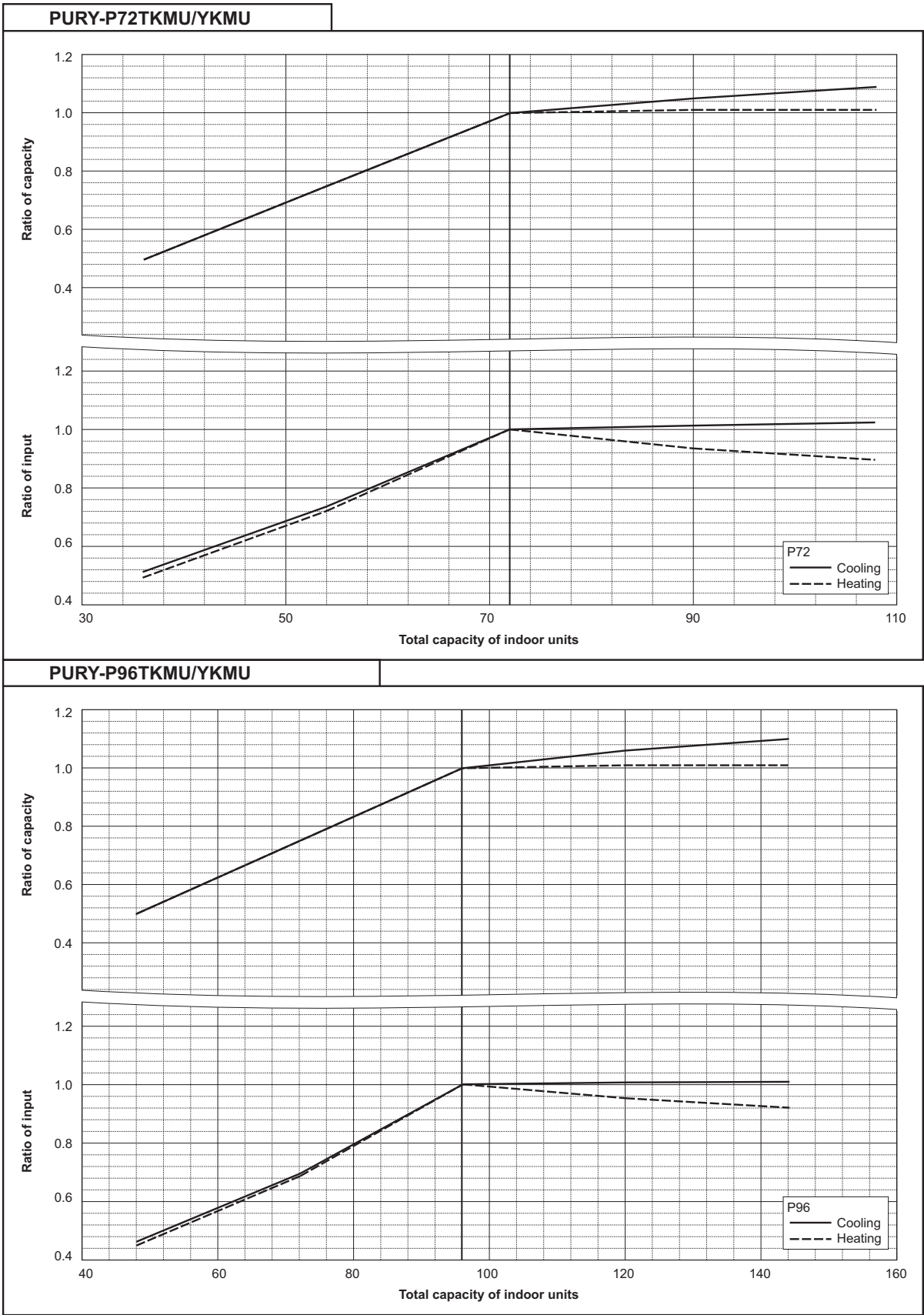
PURY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	320,000	
	kW	93.8	
	Input kW	27.62	
Rated heating capacity	BTU/h	304,000	
	kW	89.1	
	Input kW	26.91	24.23



8. CAPACITY TABLES

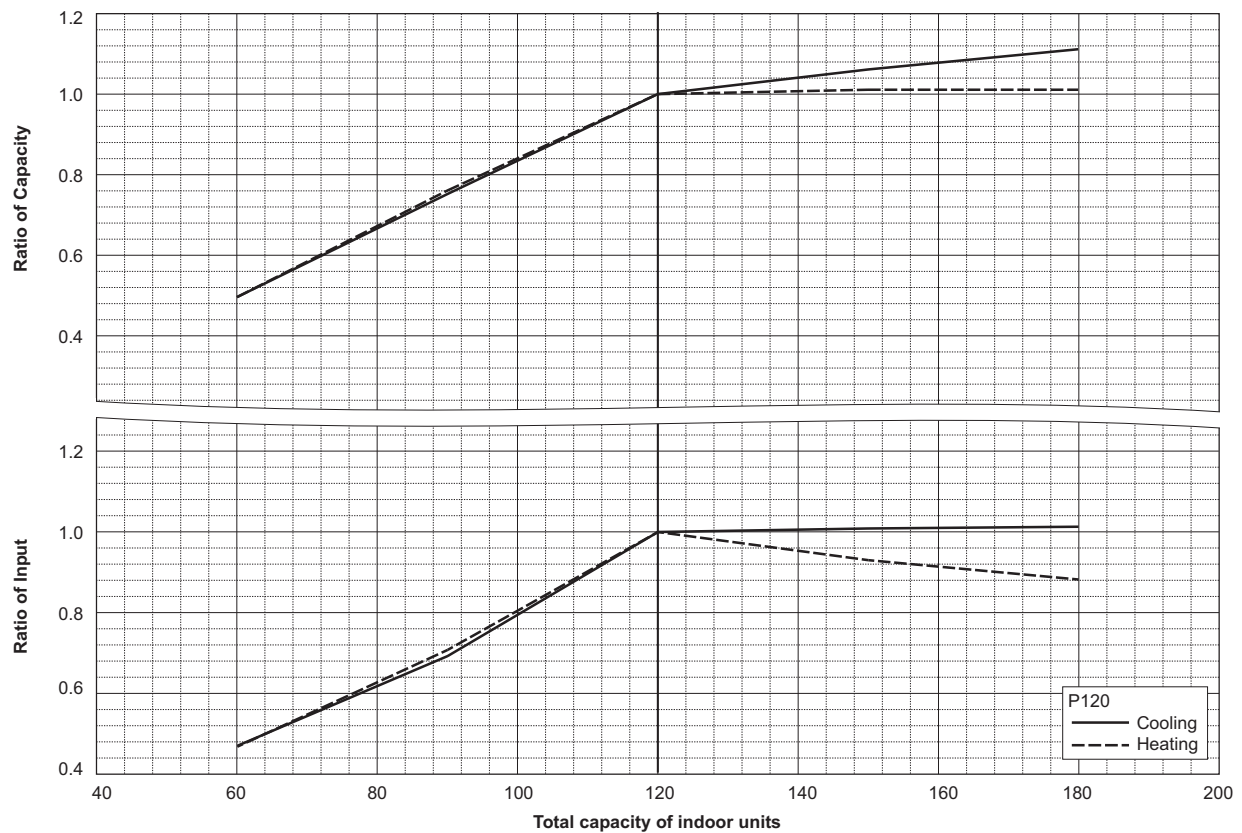
8-3. Correction by Total Indoor

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

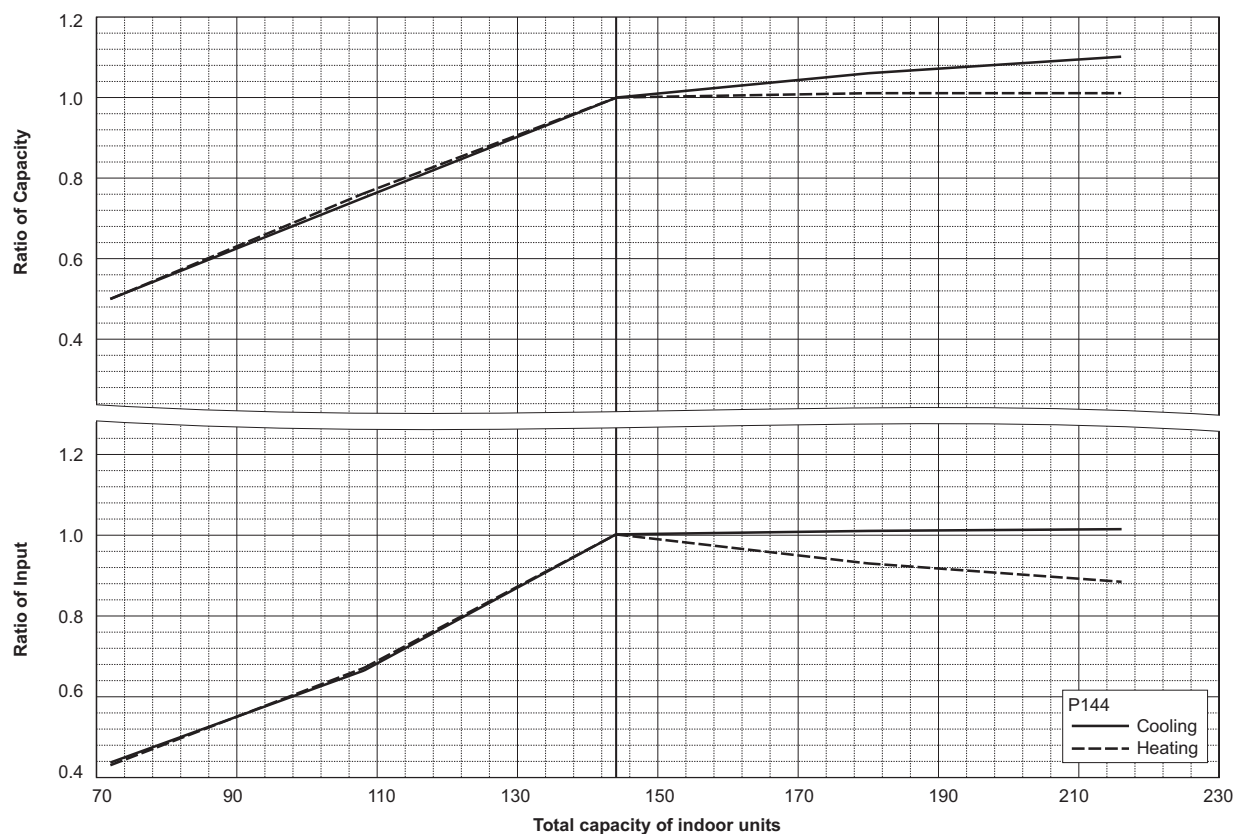


8. CAPACITY TABLES

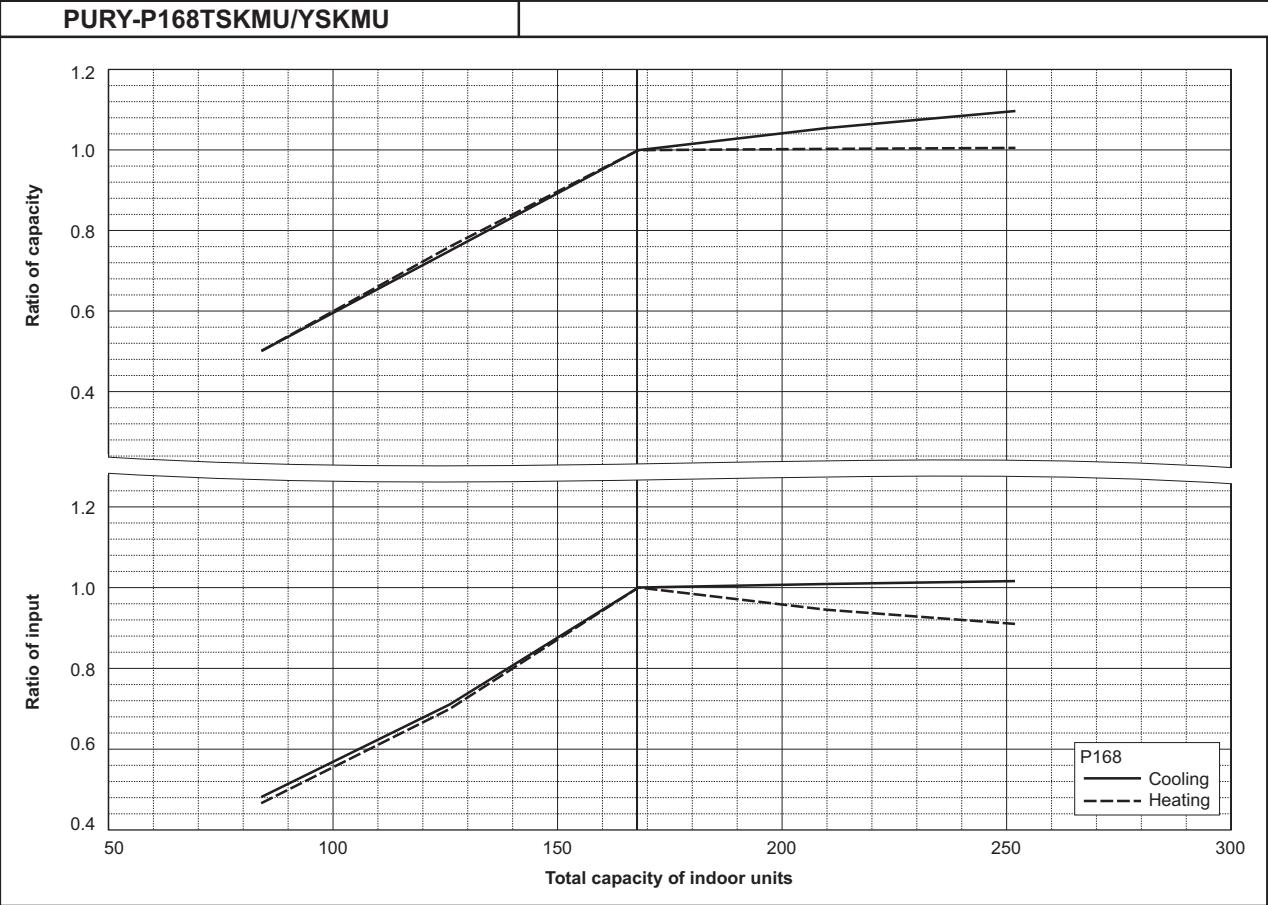
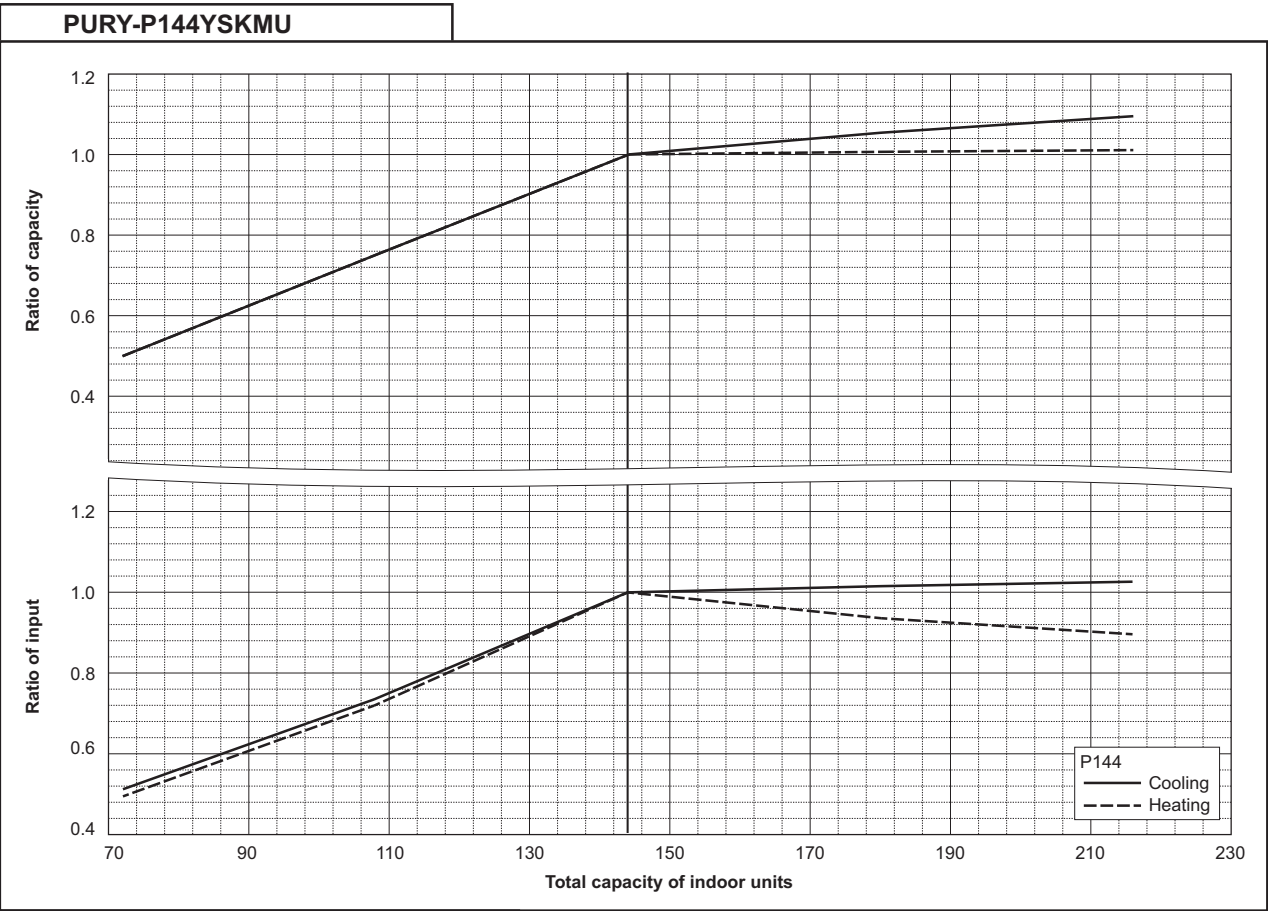
PURY-P120TKMU/YKMU



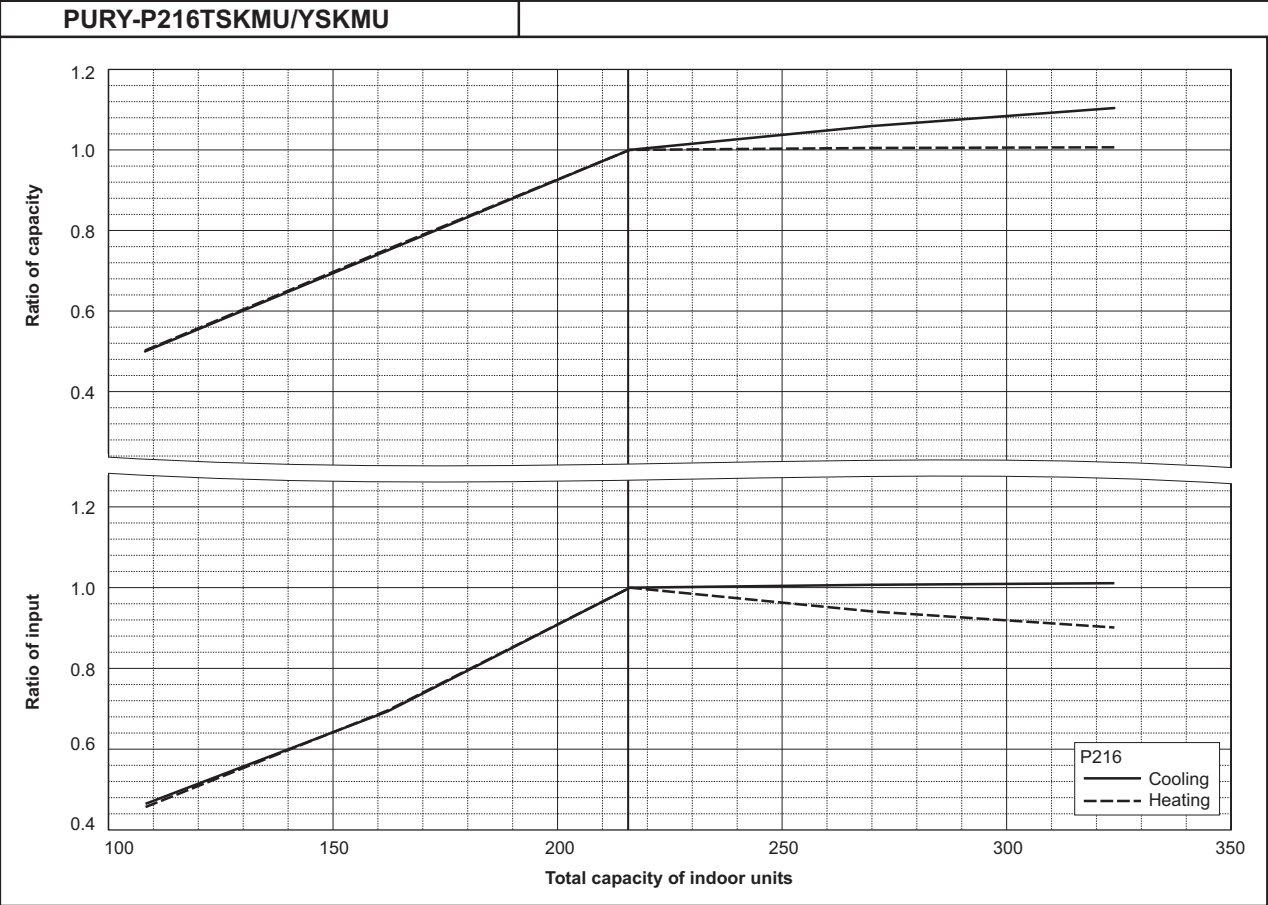
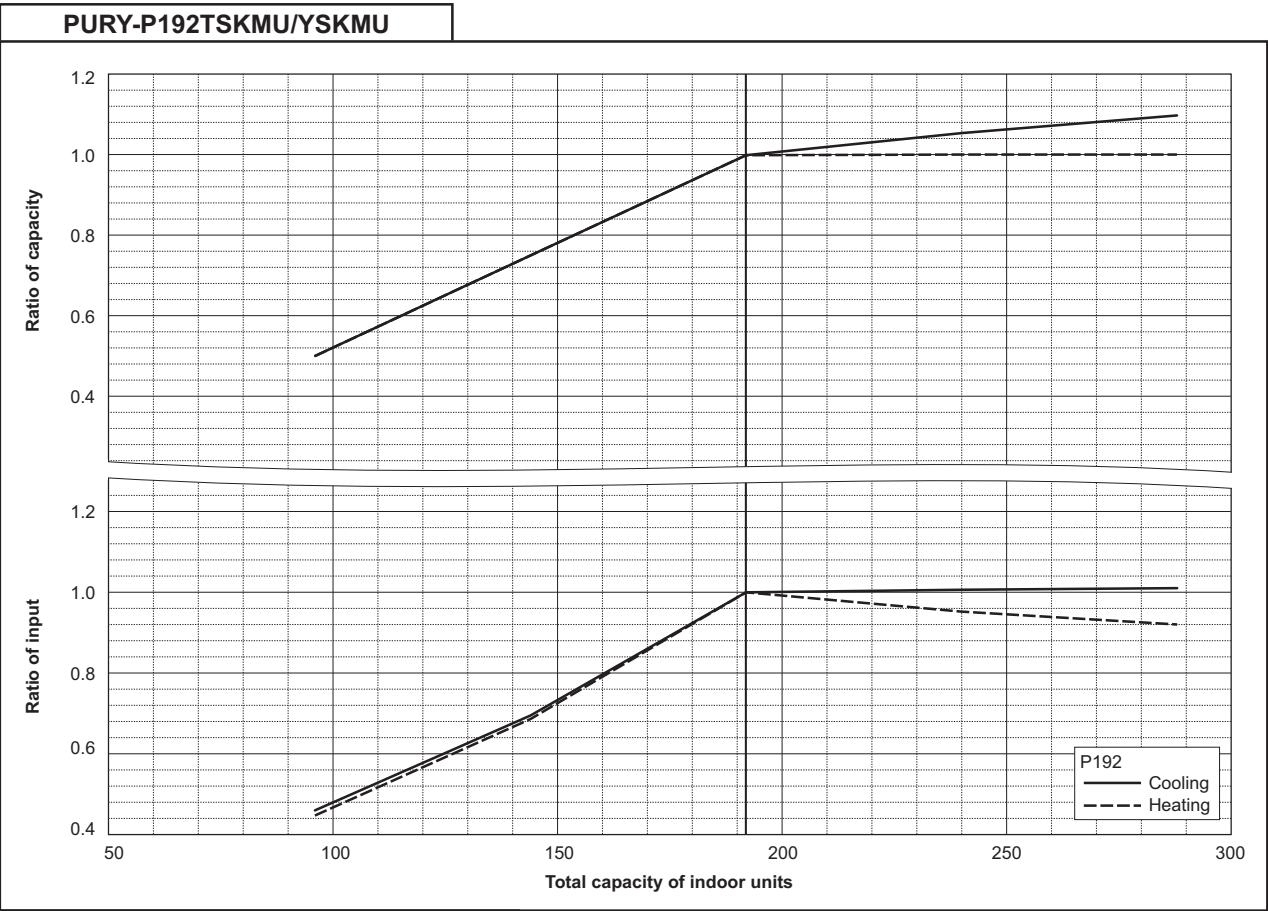
PURY-P144TKMU/YKMU



8. CAPACITY TABLES

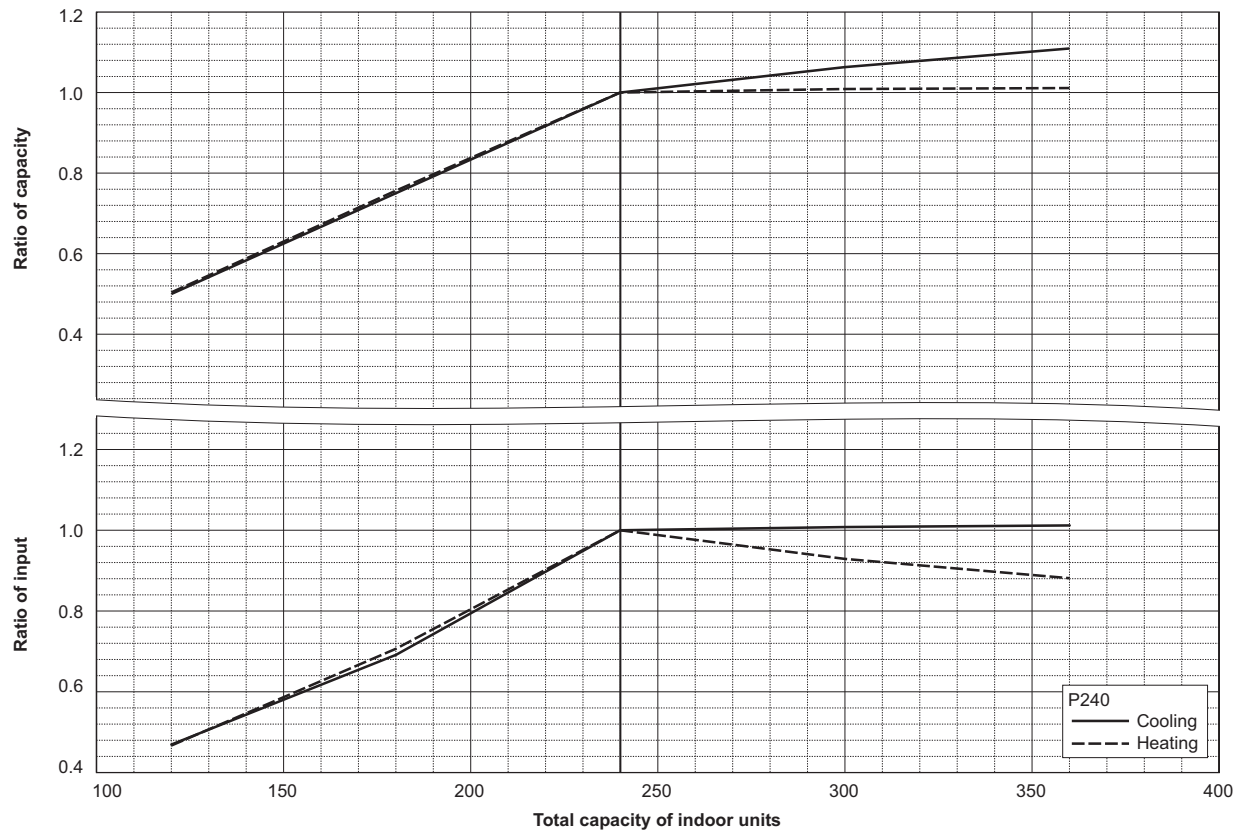


8. CAPACITY TABLES

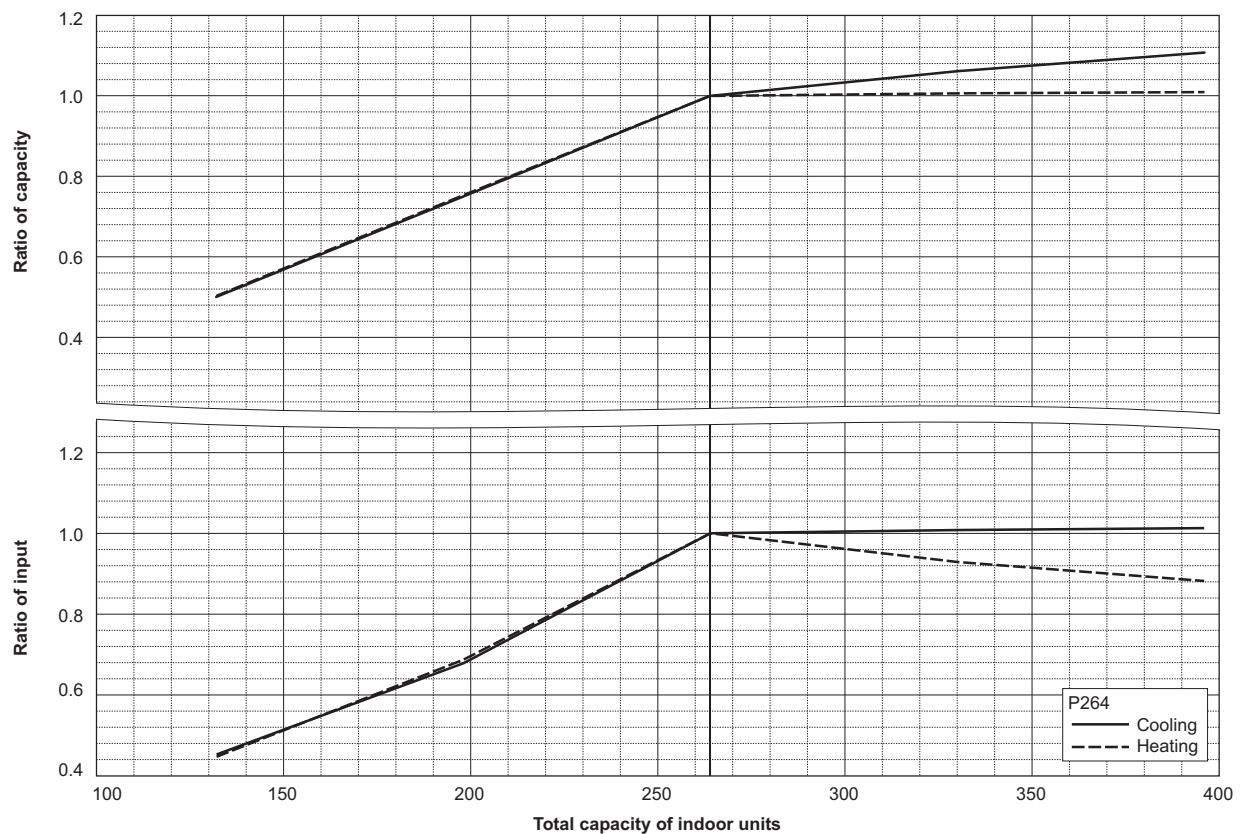


8. CAPACITY TABLES

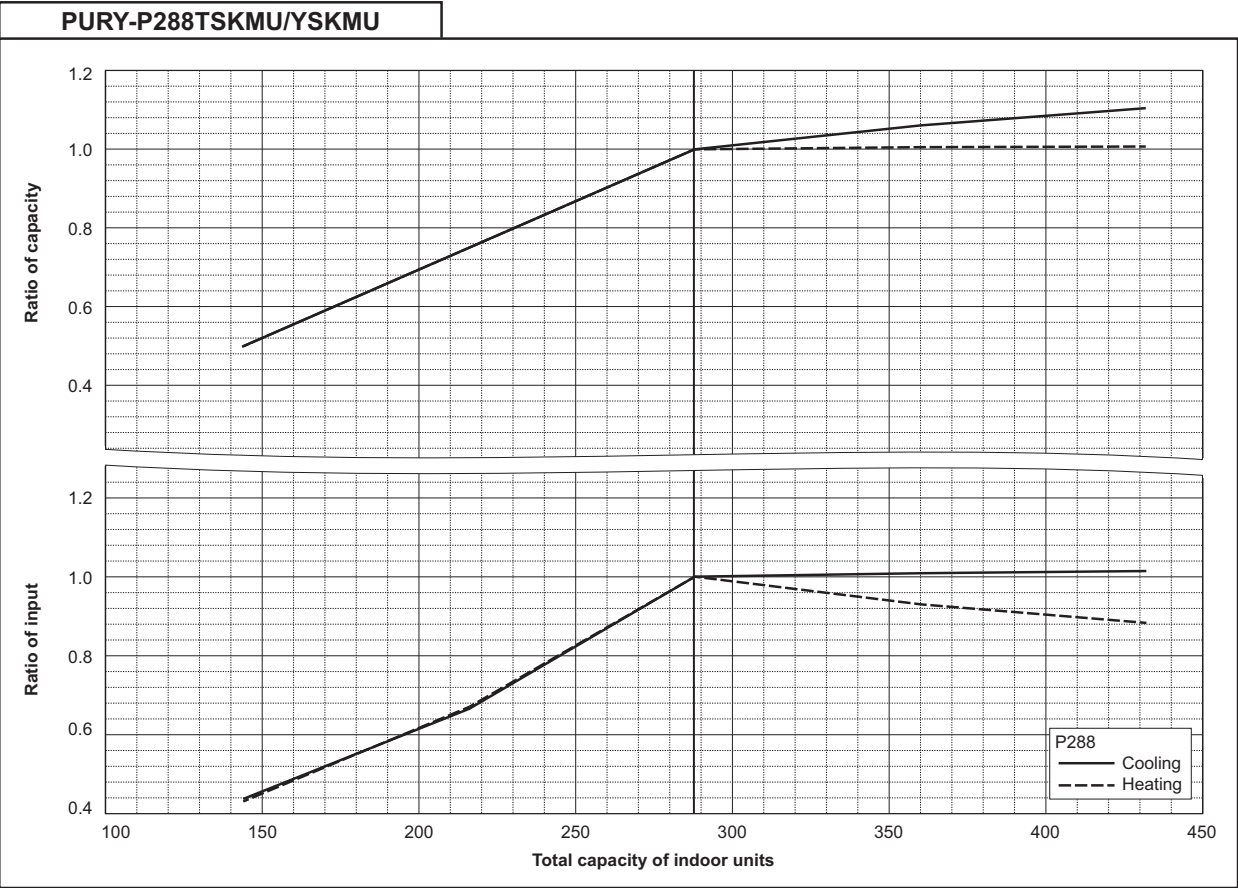
PURY-P240TSKMU/YSKMU



PURY-P264TSKMU/YSKMU



8. CAPACITY TABLES

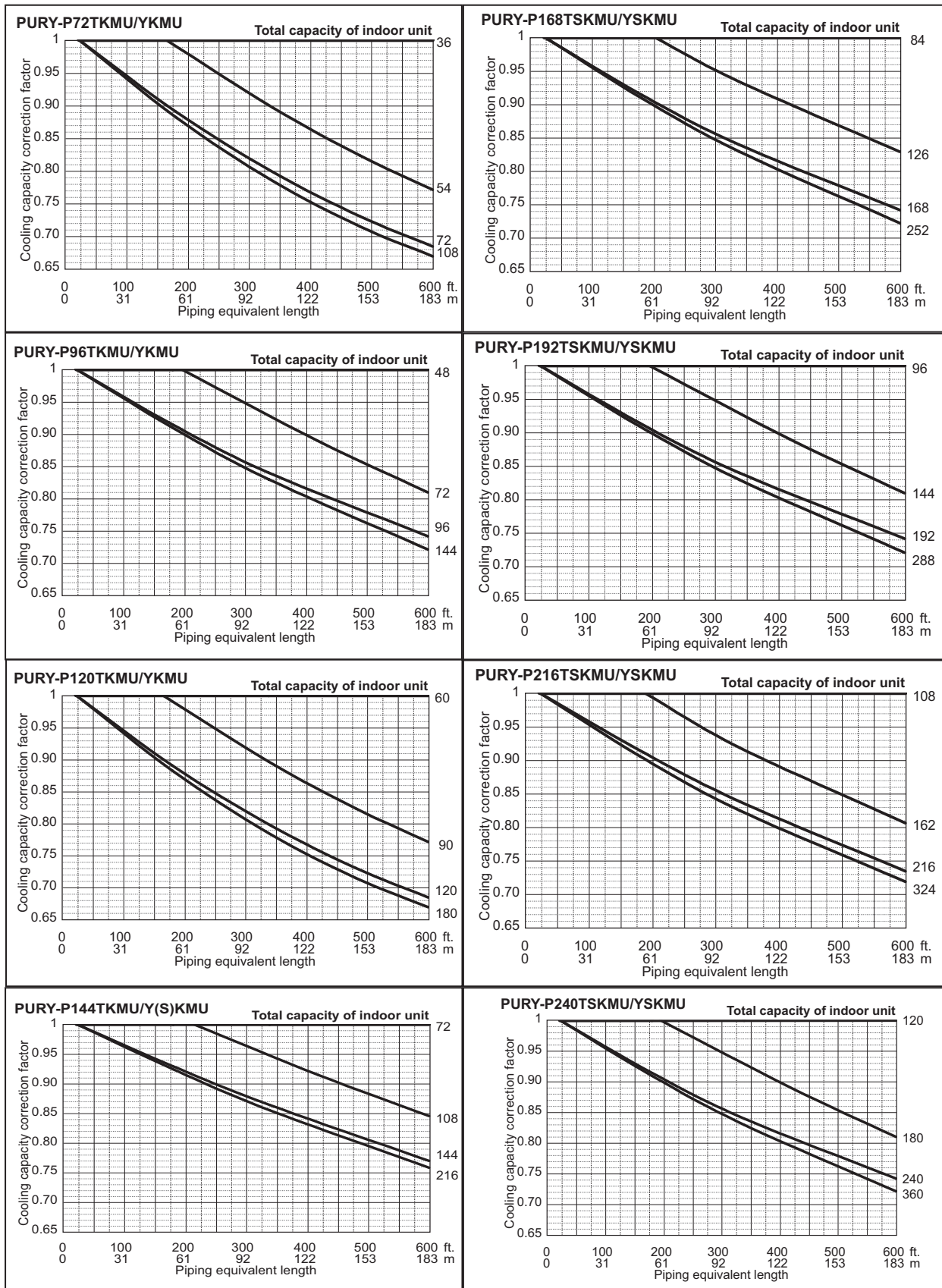


8. CAPACITY TABLES

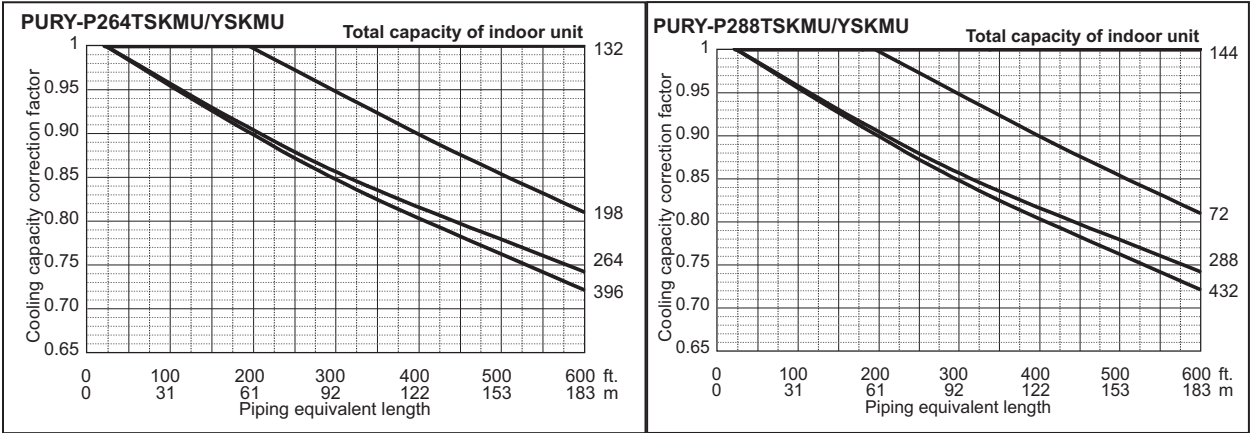
8-4. Correction by Refrigerant Piping Length

CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using the following correction factor by equivalent piping length shown at 7-4-1 and 7-4-2, capacity can be found. 7-4-3 shows how to obtain the equivalent piping length.

8-4-1. Cooling Capacity Correction



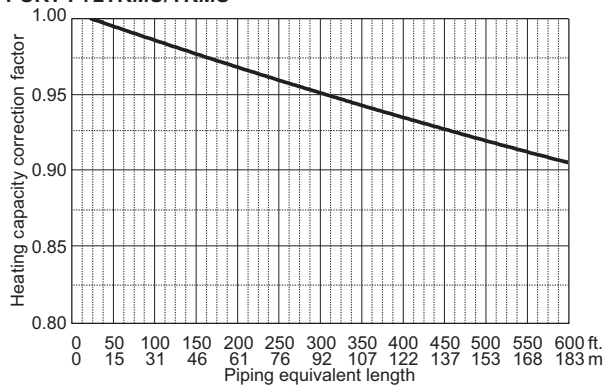
8. CAPACITY TABLES



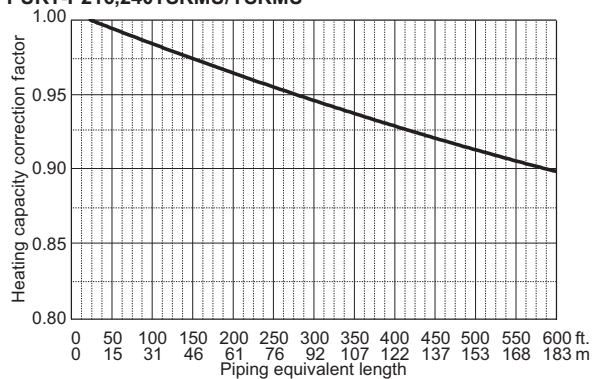
8. CAPACITY TABLES

8-4-2. Heating Capacity Correction

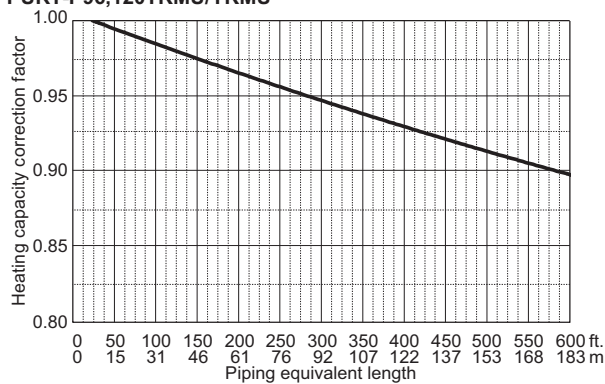
PURY-P72TKMU/YKMU



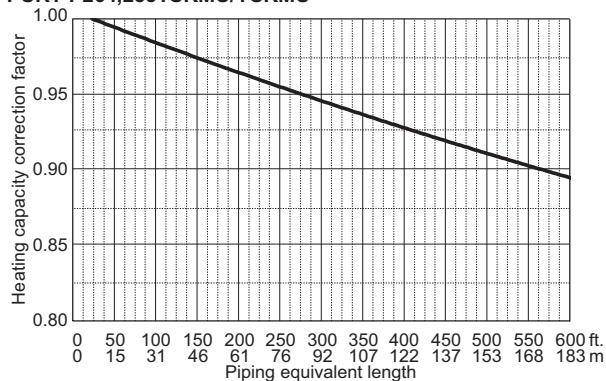
PURY-P216,240TSKMU/YSKMU



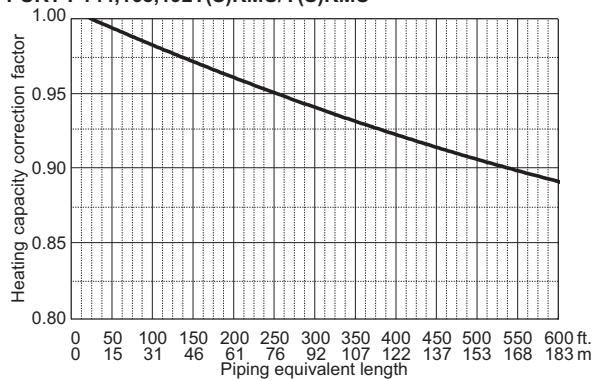
PURY-P96,120TKMU/YKMU



PURY-P264,288TSKMU/YSKMU



PURY-P144,168,192T(S)KMU/Y(S)KMU



8. CAPACITY TABLES

8-4-3. How to obtain the equivalent piping length

1. PURY-P72TKMU/YKMU

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-P96TKMU/YKMU

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-P120TKMU/YKMU

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]

4. PURY-P144TKMU/Y(S)KMU

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-P168TSKMU/YSKMU

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-P192TSKMU/YSKMU

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-P216TSKMU/YSKMU

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-P240TSKMU/YSKMU

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]

9. PURY-P264TSKMU/YSKMU

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-P288TSKMU/YSKMU

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]

8-5. Correction at Frost and Defrost

Under certain conditions the outdoor heat exchanger will accumulate frost, initiating the unit's automatic defrost operation. To calculate obtain the heating capacity of the outdoor unit (when correcting for frost and defrost), multiply by the correction factor shown in the table below.

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-P72TKMU-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-P96TKMU-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-P120TKMU-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-P144TKMU-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-P168TSKMU-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-P192TSKMU-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-P216TSKMU-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-P240TSKMU-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-P264TSKMU-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-P288TSKMU-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-P72YKMU-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-P96YKMU-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-P120YKMU-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-P144YKMU-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-P144YSKMU-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-P168YSKMU-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-P192YSKMU-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-P216YSKMU-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-P240YSKMU-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-P264YSKMU-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-P288YSKMU-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: K₀

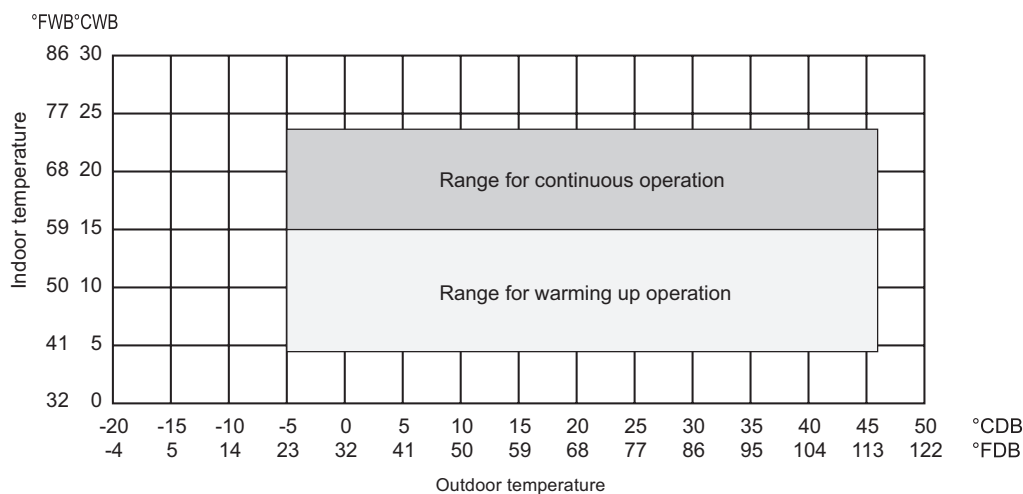
Partial load factor: A

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

8. CAPACITY TABLES

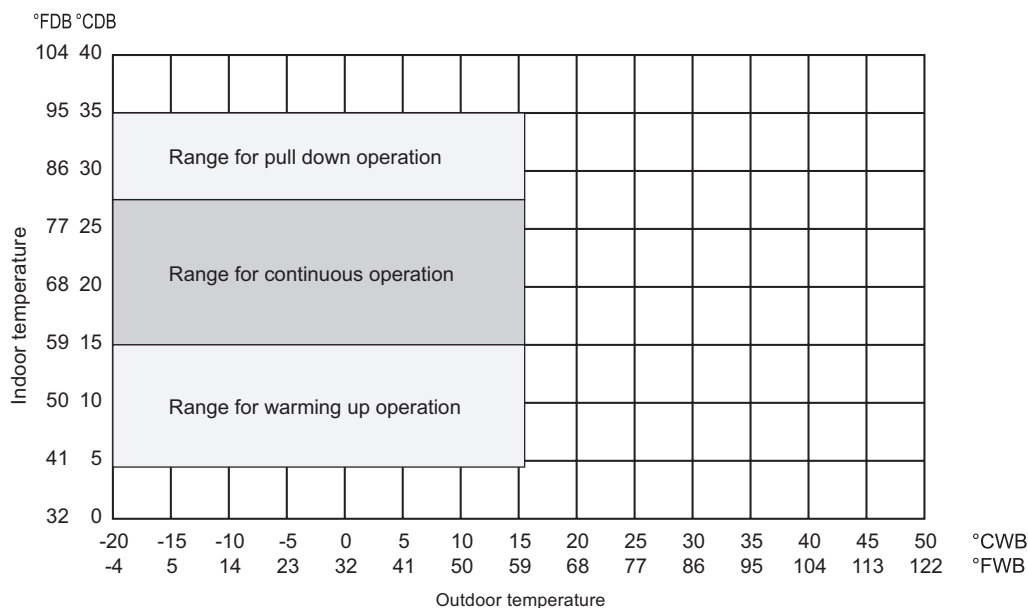
8-6. Standard Operation Temperature Range

• Cooling



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

• Heating



Ref.: tr-ygm-y

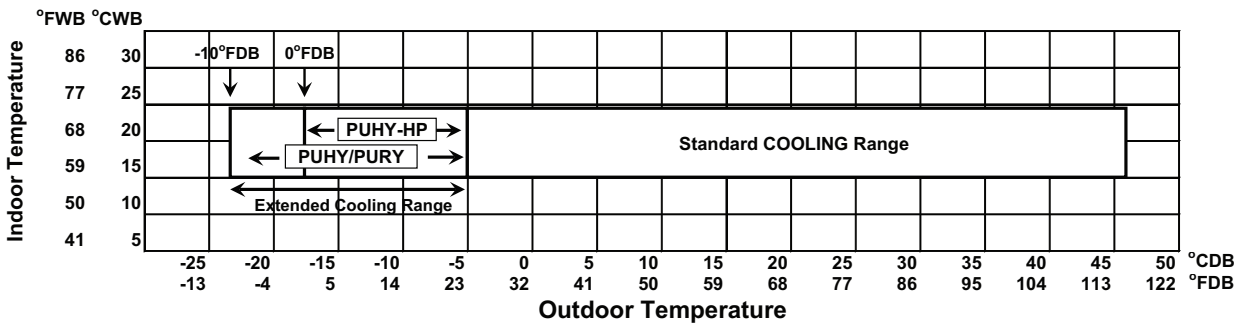
• Combination of cooling/heating operation (Cooling main or Heating main)

Outdoor temperature	Indoor temperature	
	Cooling	Heating
14 to 70°FDB (-10 to 21°CDB)	—	59 to 81°FDB (15 to 27°CDB)
12 to 60°FWB (-11 to 15.5°CWB)	59 to 75°FWB (15 to 24°CWB)	—

Installation of the low ambient kit is recommended to operate in cooling and cooling main mode in conditions under 50°F [10°C].

8. CAPACITY TABLES

8-7. Extended Cooling Range with Low Ambient Kit



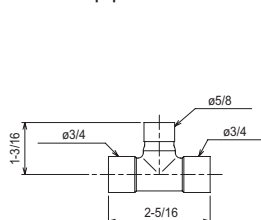
9. OPTIONAL PARTS

9-1. Branch Joints

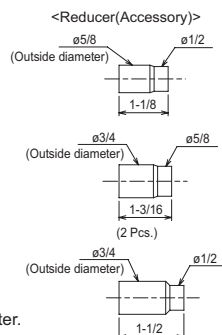
Piping for CITY MULTI systems can be easily performed with branch joints and headers provided by Mitsubishi Electric Corp. For PURY-P-T(S)KMU/Y(S)KMU, three sets of branch joints are available. Details for installing the branch joint sets are found in the System Design section or in the Branch Joint Installation Manual.

CMY-Y102SS-G2

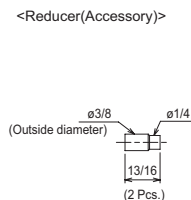
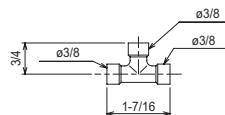
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



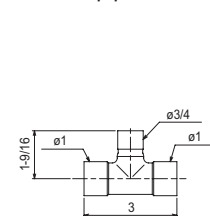
For Liquid pipe:



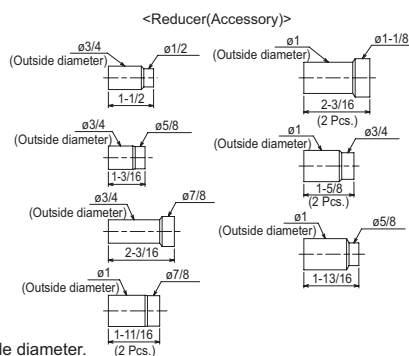
in.

CMY-Y102LS-G2

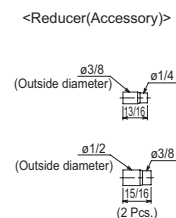
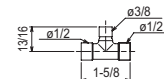
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



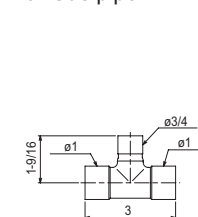
For Liquid pipe:



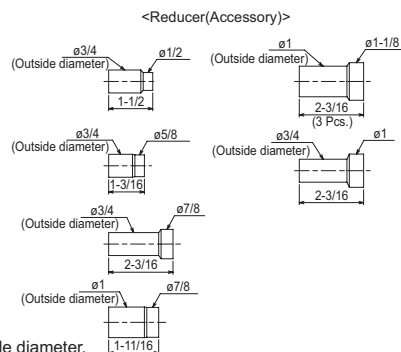
in.

CMY-Y202S-G2

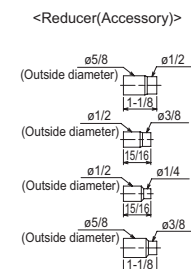
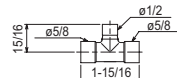
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



For Liquid pipe:



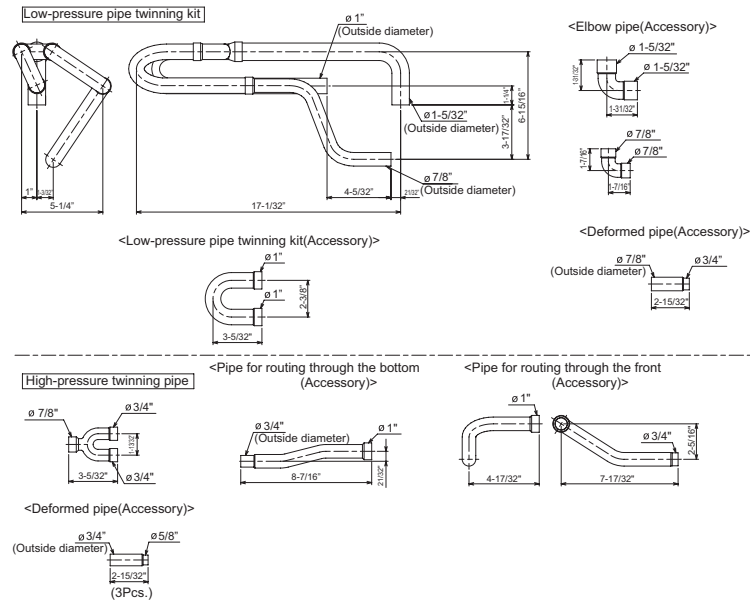
in.

9. OPTIONAL PARTS

9-2. Twinning Kit

Twinning kit is needed to combine the refrigerant flows of the PURY-P-TKMU/YKMU units for the combined PURY-P-TSKMU/YSKMU systems.

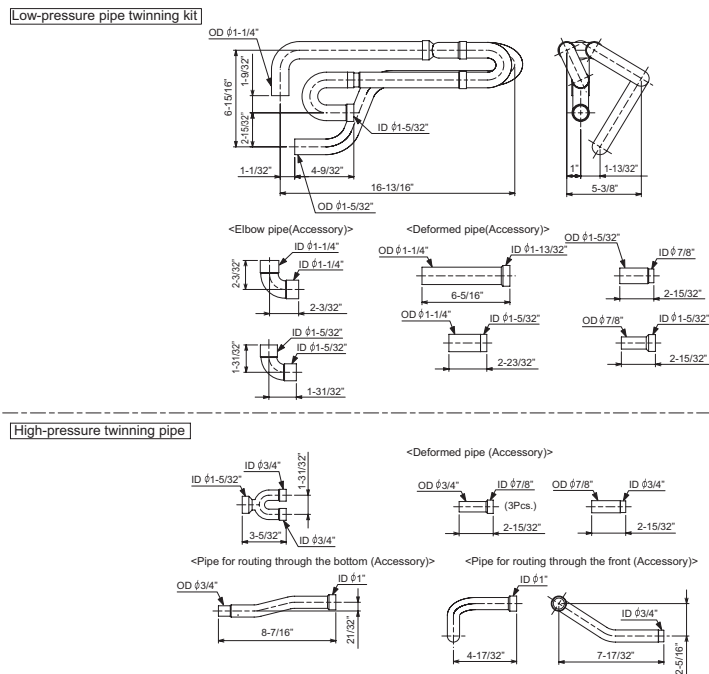
CMY-R100CBK2



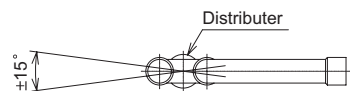
Ref: CMY_R100VBK_EXD_EUDB_SI

CMY-R100XLCBK

unit :



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.

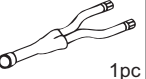
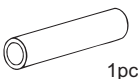
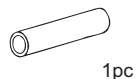
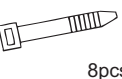
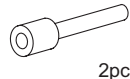
2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts) .

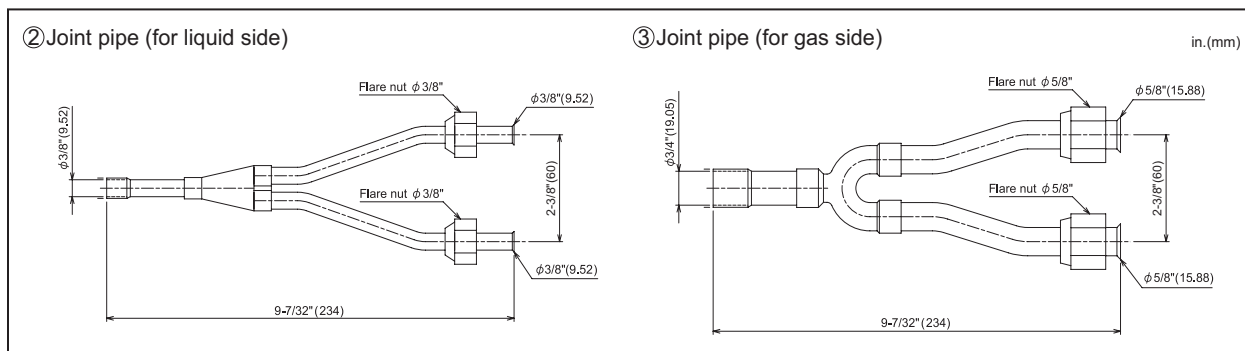
9. OPTIONAL PARTS

9-3. Joint Adapter Kit

CMY-R160C-J Joint Adapter Kit is used to combine two ports of the BC Controller for a PURY-P-T(S)KMU/Y(S)KMU system to enable downstream indoor unit capacity above P54 as shown in Figure 1.

The Joint kit include following items:

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



1. Designing CMY-R160C-J to a PURY-P-T(S)KMU/Y(S)KMU 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-R160C-J.

When connecting Indoor units to one port of BC controller or two combined ports of BC controller using CMY-R160C-J, CMY-Y102SS-G2 or CMY-Y104C-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.

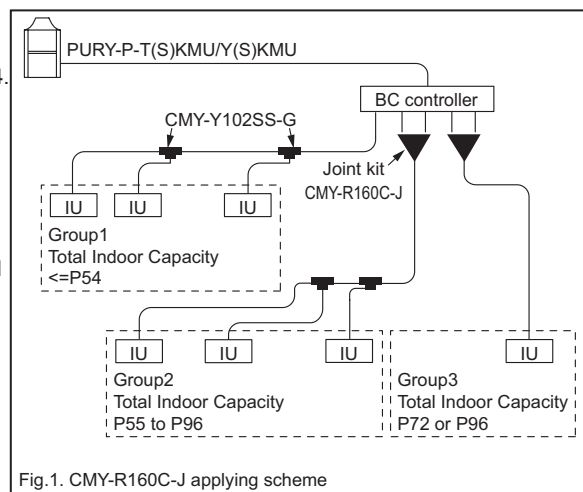


Fig.1. CMY-R160C-J applying scheme

2. Piping at the Installation Site

Refer to Figure 2 for connecting the CMY-R160C-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 installation and testing for air-tightness, insulate the joint and pipe. Details are available in the Installation Manual.

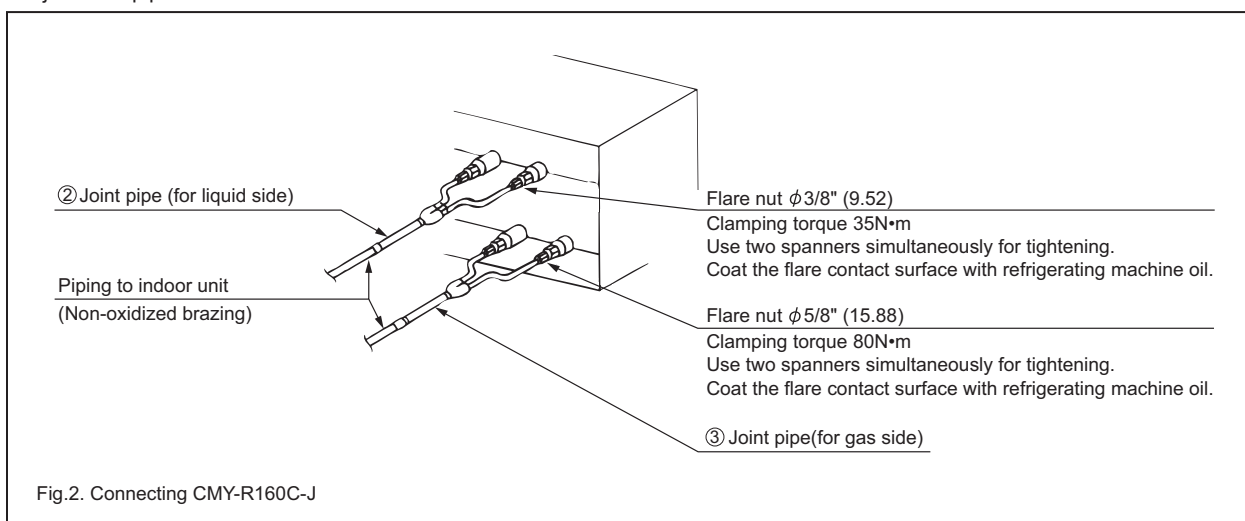


Fig.2. Connecting CMY-R160C-J

9. OPTIONAL PARTS

9-4. Low Ambient Kit

Low Ambient Kit allows system to operate at 100% cooling capacity at reduced outdoor temperatures. Complete kit includes hood with control damper assembly and wind deflectors.

PUHY Y-Series Outdoor Units - Down to -10° F DB (-23° C DB) Outdoor Temp.

PURY R2-Series Outdoor Units - Down to -10° F DB (-23° C DB) Outdoor Temp.

- Normal heating performance is unaffected by the low ambient kit
- Hood and wind deflectors constructed of 20 gauge, hot-dipped galvanized G-90 steel
- Heavy-duty polyester-based powder paint finish
- Designed to work with both 208/230 and 460 3-phase units
- NEMA 4X control box protects electrical components from the elements
- ETL recognized component
- Kit easily installs connects to outdoor unit with plug in electrical connections
- Wind deflectors easily install with existing (wire guard) fasteners

Notes:

- Hood and wind deflectors must be used to achieve low operational range
- Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
- The outdoor unit may require additional mounting restraints depending on the mounting location. See engineering manual or installation instructions for guidelines.
- Clearances for the sides and back of the outdoor unit must be at least 6" greater than standard installation guidelines.

Part Number	Description	Electrical	Net Wt.	Ship Wt.	Carton Dimensions
					L x W x H
LAHK-1	"Low Ambient Hood Assembly (master) with damper control box For single fan modules	"208/230 1-phase .20 amp"	64 lbs. (29 kg)	70 lbs. (32 kg)	43" L x 36" W x 30-1/2" H (1,092 x 914 x 775 mm)
LAHK-2	"Low Ambient Hood Assembly (subordinate) Combined with the LAHK-1 for double fan (P120 and P144) modules"	"Controlled by LAHK-1"	56 lbs. (25 kg)	62 lbs. (28 kg)	43" L x 36" W x 30-1/2" H (1,092 x 914 x 775 mm)
SWDK-1	Side Wind Deflector, includes 2 pieces (fits all modules)	N/A	45 lbs. (20 kg)	50 lbs. (23 kg)	54" L x 20" W x 9" H (1,372 x 508 x 229 mm)
RWDK-1	Rear Wind Deflector (1 fits S module, 2 fit the XL module)	N/A	37 lbs. (17 kg)	42 lbs. (19 kg)	54" L x 33" W x 9" H (1,372 x 838 x 229 mm)
RWDK-2	Rear Wind Deflector (1 fits L module)	N/A	40 lbs. (18 kg)	45 lbs. (20 kg)	54" L x 45" W x 9" H (1,372 x 1,143 x 229 mm)

Components Required per Outdoor unit(s)

For outdoor units with multiple modules, the minimum 1-3/16" separation between the modules is recommended. If modules are placed farther apart than 15" apart, more than 1 set of SWDK-1 side wind deflectors may be needed. For multiple units or module sets placed in a row, only one side wind deflector kit (SWDK-1) is need to cover the two outside module coil surfaces.

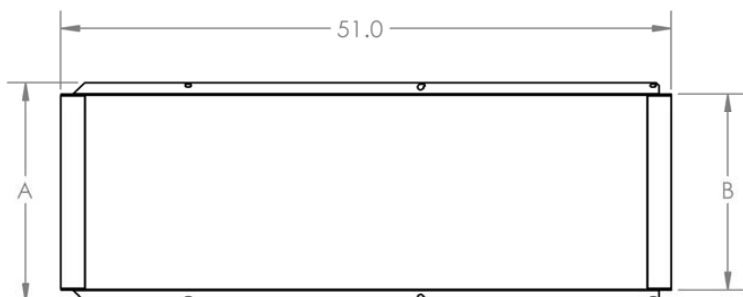
PURY-P-T/Y(S)KMU Series

Unit model	Module Size			Component Quantity				
	S	L	XL	LAHK-1	LAHK-2	SWDK-1	RWDK-1	RWDK-2
PURY-P72(T,Y)KMU-A		1		1		1		1
PURY-P96(T,Y)KMU-A		1		1		1		1
PURY-P120(T,Y)KMU-A			1	1		1	2	
PURY-P144(T,Y)KMU-A			1	1	1	1	2	
PURY-P144YSKMU-A		2		2		1		2
PURY-P168(T,Y)SKMU-A		2		2		1		2
PURY-P192(T,Y)SKMU-A		2		2		1		2
PURY-P216(T,Y)SKMU-A		1	1	2	1	1	2	1
PURY-P240(T,Y)SKMU-A			2	2	2	1	4	
PURY-P264(T,Y)SKMU-A			2	2	2	1	4	
PURY-P288(T,Y)SKMU-A			2	2	2	1	4	

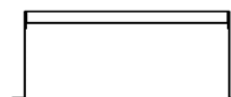
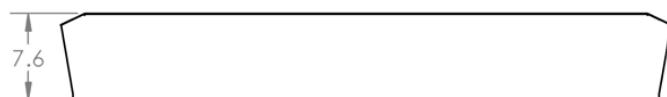
9. OPTIONAL PARTS

Dimensions

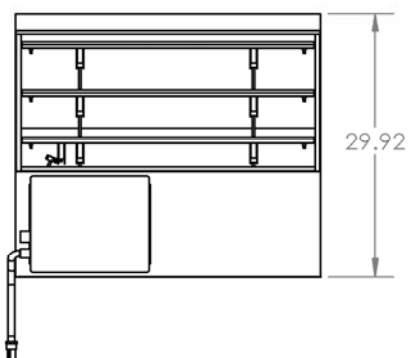
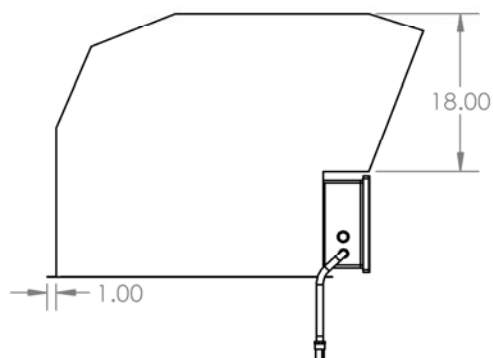
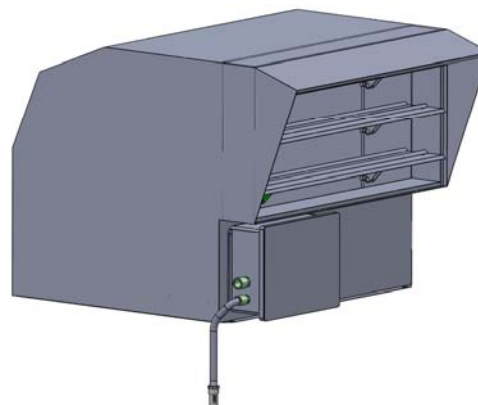
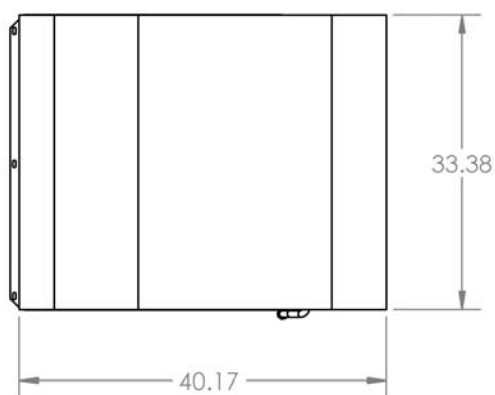
Wind Deflectors SWDK-1, RWDK-1 and RWDK-2



DIM.	SWDK-1	RWDK-1	RWDK-2
A	19.13	31.8	43.6
B	17.13	29.8	41.6



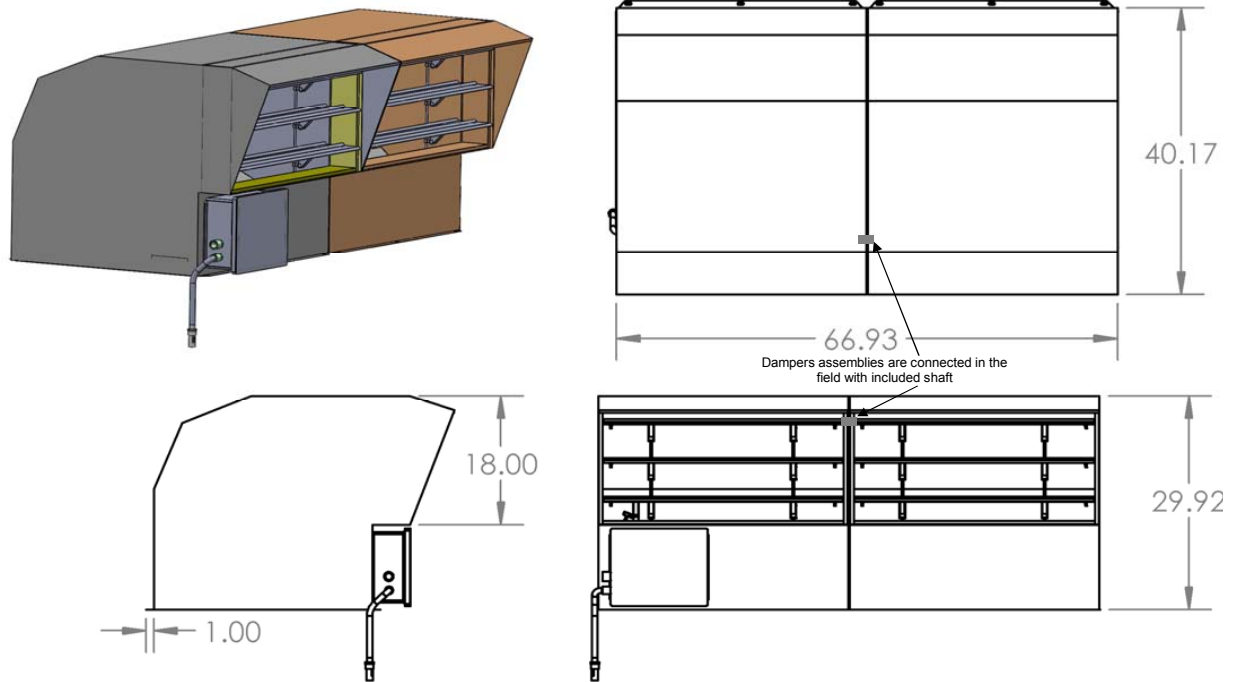
Low Ambient Hood LAHK-1 (used alone for single fan modules P72 and P96 sizes)



9. OPTIONAL PARTS

Dimensions

Low Ambient Hood LAHK-1 with LAHK-2 (combined for dual fan (P120 and P144) modules)



9. OPTIONAL PARTS

9-5. Snow/Hail Guards Kit

- Protects outdoor unit coil surfaces from hail damage and snow build-up in severe climates.
- 20-gauge, hot-dipped galvanized G-90 steel construction.
- Heavy-duty polyester-based powder paint finish to match equipment.
- Installs easily using existing wire guard fasteners

Notes:

- Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
- Clearances for the sides and back of the outdoor unit must be at least 17" greater than standard installation guidelines.
- For best coil protection, two and three module units must be mounted with the minimum 1-3/16" separation.
- For best snow and hail protection use SHK-1 with SGK series snow/hail guards.

Kit Number	Description	Net Weight	Ship Weight	Carton Dimensions L x W x H
SGK-1	Side Snow/Hail Guards 19-1/8" wide (2 per kit)	(2) x 18 lbs.	41 lbs.	52"L x 20"W x 20"H
SGK-2	Rear Snow/Hail Guard 31-3/4" wide	19 lbs.	24 lbs.	52"L x 33"W x 20"H
SGK-3	Rear Snow/Hail Guard 43-1/2" wide	24 lbs.	29 lbs.	52"L x 45"W x 20"H
SHK-1	Snow Hood for Snow/Hail Protection	41 lbs.	47 lbs.	32"L x 34"W x 30-1/2"H

Components Required per Outdoor unit(s)

For models with two or three units, selections are based on a distance of 1-3/16" separation between the modules.
For further separation between the modules, additional components may be required.

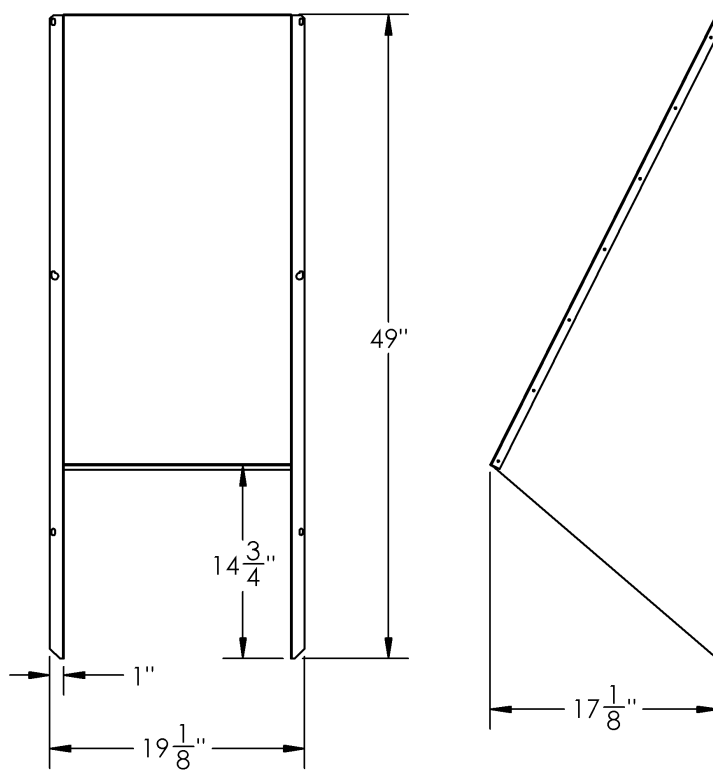
PURY-P-T/Y(S)KMU Series

Unit model	Module Size			Component Qty			
	S	L	XL	SGK-1	SGK-2	SGK-3	SHK-1
PURY-P72(T,Y)KMU-A		1		1		1	1
PURY-P96(T,Y)KMU-A		1		1		1	1
PURY-P120(T,Y)KMU-A			1	1	2		2
PURY-P144(T,Y)KMU-A			1	1	2		2
PURY-P144-YSKMU-A		2		1		2	2
PURY-P168(T,Y)SKMU-A		2		1		2	2
PURY-P192(T,Y)SKMU-A		2		1		2	2
PURY-P216(T,Y)SKMU-A		1	1	1	2	1	3
PURY-P240(T,Y)SKMU-A			2	1	4		4
PURY-P264(T,Y)SKMU-A			2	1	4		4
PURY-P288(T,Y)SKMU-A			2	1	4		4

9. OPTIONAL PARTS

Dimensions

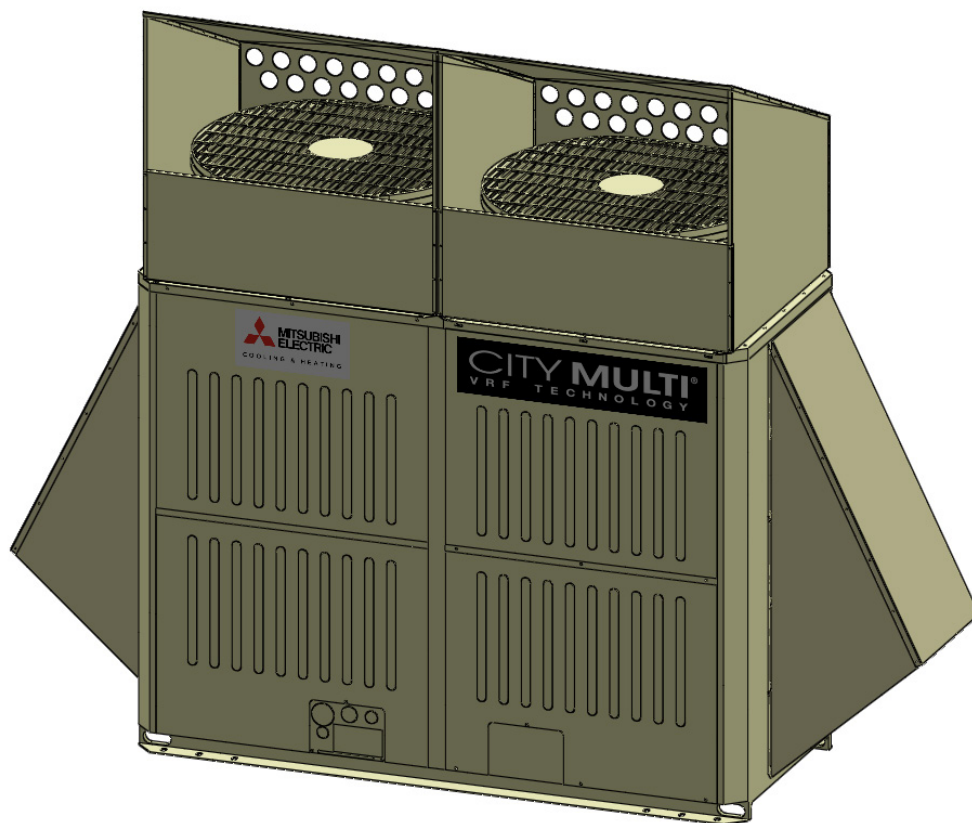
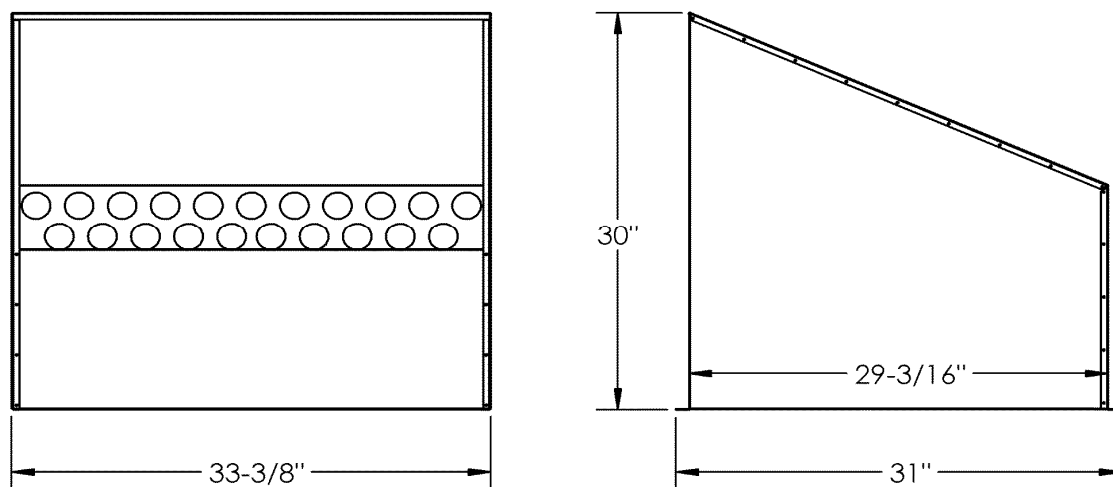
Snow/Hail Guards SGK-1 (2 PER KIT)



9. OPTIONAL PARTS

Dimensions

Snow/Hail Guards SHK-1



9. OPTIONAL PARTS

9-6. Base Pan Heater Kit

- Prevents ice from building up on the outdoor unit base when operating in heating mode for an extended period of time during low temperature, high humidity conditions.
- Operation of base pan heater is controlled by outdoor unit
 - Energized when unit is in heating mode, compressor is running and outdoor temp drops below 39° F.
 - Connects to CN51 on the outdoor control board of CITY MULTI PURY K-Series Units.

Base Pan Heater Kits	Included Parts	Rated Voltage	Power Input
Small Module	PAC-BH04EHT-E-US (Heater) PAC-BH01KTT-E (Relay Box)	208 / 230 V	122 / 150 W
Large Module	PAC-BH05EHT-E-US (Heater) PAC-BH01KTT-E (Relay Box)	208 / 230 V	162 / 198 W
XL Module	PAC-BH06EHT-E-US (Heater) PAC-BH01KTT-E (Relay Box)	208 / 230 V	310 / 378 W

Base Pan Heater Kits Required Per Outdoor Unit(s)

PURY-P-T(S)KMU Series

Unit model	Base Pan Heater Kits		
	Small	Large	XL
PURY-P72TKMU-A	-	1	-
PURY-P96TKMU-A	-	1	-
PURY-P120TKMU-A	-	-	1
PURY-P144TKMU-A	-	-	1
PURY-P168TSKMU-A	-	2	-
PURY-P192TSKMU-A	-	2	-
PURY-P216TSKMU-A	-	1	1
PURY-P240TSKMU-A	-	-	2
PURY-P264TSKMU-A	-	-	2
PURY-P288TSKMU-A	-	-	2