

OUTDOOR UNITS

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1. SPECIFICATIONS

1-1. PUHY-P72~360T(S)KMU-A Specifications

Model			PUHY-P72TKMU-A(-BS)		PUHY-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	5.06 *4		7.00 *4	
	Current input	A	15.6 / 14.1 *4		21.5 / 19.5 *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	80,000		108,000	
		kW	23.4		31.7	
	Power input	kW	5.62 *4		7.47 *4	
	Current input	A	17.3 / 15.6 *4		23.0 / 20.8 *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	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model / Quantity	P06~P72 / 1~15		P06~P96 / 1~20		
Sound pressure level (measured in anechoic room)		dB <A>	58.0		58.0	
Refrigerant piping diameter	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed (1/2" [12.7] Brazed, if length from outdoor unit to farthest indoor unit is >= 295' [90m])	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed		7/8"(22.2) Brazed	
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.	
	Operating Range		15% to 100%		16% to 100%	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.5		7.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 920 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	25 / 23		34 / 31	
Recommended Fuse/Breaker Size		A	30		35	
Maximum Fuse Size		A	30		40	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	430 (195)		532 (241)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R319		KD94R320	
	Wiring		KE94C645		KE94C647	
Standard attachment	Document		Installation Manual		Installation Manual	
	Accessory		Details refer to External Drw		Details refer to External Drw	
Optional parts			Joint: CMY-Y102SS-G2		Joint: CMY-Y102SS/LS-G2	
			Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)		70° F D.B. (21.1° C D.B.)		kcal =kW x 860 BTU/h =kW x 3,412	
Outdoor:	95° F D.B. (35° C D.B.)		47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-P120TKMU-A(-BS)		PUHY-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	9.09 *4		11.84 *4	
	Current input	A	28.0 / 25.3 *4		36.5 / 33.0 *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	10.28 *4		12.47 *4	
	Current input	A	31.7 / 28.6 *4		38.4 / 34.7 *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		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P06~P96 / 1~26		P06~P96 / 1~31	
Sound pressure level (measured in anechoic room)		dB <A>	60.0		61.0	
Refrigerant piping diameter	Liquid pipe	In. (mm)	3/8"(9.52) Brazed (1/2" [12.7] Brazed, if length from outdoor unit to farthest indoor unit is >= 295' [90m])		1/2"(12.7) 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 CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Operating Range		15% to 100%		14% to 100%	
	Starting method		Inverter		Inverter	
	Motor output	kW	8.1		10.6	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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 / 49	
Recommended Fuse/Breaker Size		A	50		60	
Maximum Fuse Size		A	50		60	
Refrigerant	Type x original charge		R410A x 26 lbs + 1oz (11.8kg)		R410A x 26 lbs + 1oz (11.8kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	697 (316)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R321		KD94R321	
	Wiring		KE94C649		KE94C649	
Standard attachment	Document		Installation Manual		Installation Manual	
	Accessory		Details refer to External Drw		Details refer to External Drw	
Optional parts			Joint: CMY-Y102SS/LS-G2		Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2	
			Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)		70° F D.B. (21.1° C D.B.)		kcal =kW x 860	
Outdoor:	95° F D.B. (35° C D.B.)		47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-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	12.71 *4			
	Current input	A	39.1 / 35.4 *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	188,000			
		kW	55.1			
	Power input	kW	14.02 *4			
	Current input	A	43.2 / 39.1 *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			6% to 100%			
Indoor unit connectable	Total capacity		50~130% 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)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P72TKMU-A(-BS)		PUHY-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	5.5		7.1	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 920 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	25 / 23		34 / 31	
Recommended Fuse/Breaker Size		A	30		35	
Maximum Fuse Size		A	30		40	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	430 (195)		532 (241)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		3/8"(9.52)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R325			
	Wiring		KE94C645		KE94C647	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter	
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)		70° F D.B. (21.1° C D.B.)		kcal =kW x 860	
Outdoor:	95° F D.B. (35° C D.B.)		47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.)		BTU/h =kW x 3,412	
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		cfm =m³/min x 35.31	
Level difference:	0ft.(0m)		0ft.(0m)		lb =kg / 0.4536	
* Above specification data is subject to rounding variation.						
* Due to continuing improvement, above specifications may be subject to change without notice.						

1. SPECIFICATIONS

Model			PUHY-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	14.81 *4			
	Current input	A	45.6 / 41.3			
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	16.91 *4			
	Current input	A	52.1 / 47.1 *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			6% to 100%			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 1~41			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. mm	5/8"(15.88) Brazed			
	Gas pipe	In. mm	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P72TKMU-A(-BS)		PUHY-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	5.5		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7<MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7<MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 920 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	25 / 23		45 / 42	
Recommended Fuse/Breaker Size		A	30		50	
Maximum Fuse Size		A	30		50	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 26 lbs + 1oz (11.8kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	430 (195)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R326			
	Wiring		KE94C645		KE94C649	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-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	16.90 *4			
	Current input	A	52.1 / 47.1 *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	19.26 *4			
	Current input	A	59.4 / 53.7 *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			8% to 100%			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96/2~46			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P96TKMU-A(-BS)		PUHY-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	7.1		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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 25 lbs + 6 oz (11.5 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	532 (241)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R327			
	Wiring		KE94C647		KE94C649	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts	Outdoor Twinning kit: CMY-Y100CBK3					
	Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2					
	Header: CMY-Y104/108/1010C-G					
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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.			* Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PUHY-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	19.12 *4			
	Current input	A	58.9 / 53.3 *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 (208-230V)	Btu/h		270,000			
	kW		79.1			
	Power input	kW	21.86 *4			
	Current input	A	67.4 / 60.9 *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		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 2~50			
Sound pressure level (measured in anechoic room)		dB <A>	63.0			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P120TKMU-A(-BS)		PUHY-P120TKMU-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	
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	8.1		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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		45 / 42	
Recommended Fuse/Breaker Size		A	50		50	
Maximum Fuse Size		A	50		50	
Refrigerant	Type x original charge		R410A x 26 lbs + 1oz (11.8kg)		R410A x 26 lbs + 1oz (11.8kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	697 (316)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	1/2"(12.7)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R328			
	Wiring		KE94C649		KE94C649	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-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	20.35 *4					
	Current input	A	62.7 / 56.7 *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	295,000					
		kW	86.5					
	Power input	kW	23.11 *4					
	Current input	A	71.2 / 64.4 *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			5% to 100%					
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity					
	Model / Quantity		P06~P96 / 2~50					
Sound pressure level (measured in anechoic room)		dB <A>	63.5					
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed					
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed					
Set Model								
Model			PUHY-P72TKMU-A(-BS)		PUHY-P72TKMU-A(-BS)		PUHY-P120TKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 2	
	Airflow rate	CFM	6,200		6,200		11,300	
		m³ / min	175		175		320	
		L/s	2,920		2,920		5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		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		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	5.5		5.5		5.5	
	Lubricant		MEL32		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 920 x 740		1,650 x 920 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)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	25 / 23		25 / 23		45 / 42	
Recommended Fuse/Breaker Size		A	30		30		50	
Maximum Fuse Size		A	30		30		50	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit					
Net weight		lbs (kg)	430 (195)		430 (195)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		7/8"(22.2)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Drawing	External		KD94R329					
	Wiring		KE94C645		KE94C645		KE94C649	
Standard attachment	Document		Installation Manual					
	Accessory		Details refer to External Drw					
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2					
			Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2					
			Header: CMY-Y104/108/1010C-G					
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.						

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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.			* Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PUHY-P288TKMU-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	22.39 *4		
	Current input	A	69.0 / 62.4 *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	323,000		
		kW	94.7		
	Power input	kW	25.36 *4		
	Current input	A	78.2 / 70.7 *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			4% to 100%		
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P06~P96 / 2~50		
Sound pressure level (measured in anechoic room)		dB <A>	64.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed		
Set Model					
Model			PUHY-P72TKMU-A(-BS)	PUHY-P96TKMU-A(-BS)	PUHY-P120TKMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	6,200	11,300
		m³ / min	175	175	320
		L/s	2,920	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	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	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.5	7.1	8.1
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32	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 920 x 740	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)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Inverter circuit (COMP. / FAN)		Over-current protection	Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	25 / 23	34 / 31	45 / 42
Recommended Fuse/Breaker Size		A	30	35	50
Maximum Fuse Size		A	30	40	50
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	430 (195)	532 (241)	697 (316)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed	3/8"(9.52)Brazed	1/2"(12.7)Brazed
	Gas pipe	In. (mm)	7/8"(22.2)Brazed	7/8"(22.2)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R330		
	Wiring		KE94C645	KE94C647	KE94C649
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2		
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2		
			Header: CMY-Y104/108/1010C-G		
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.				
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter
Indoor:	80° F D.B./ 67° F W.B. (26.7° C D.B./ 19.4° C W.B.)		70° F D.B. (21.1° C D.B.)		kcal =kW x 860
Outdoor:	95° F D.B. (35° C D.B.)		47° F D.B./ 43° F W.B. (8.3° C D.B./ 6.1° C 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			PUHY-P312TKMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz			
Cooling capacity (Nominal) *1 (208-230V)		Btu/h	312,000			
		kW	91.4			
	Power input	kW	24.87 *4			
	Current input	A	76.7 / 69.3 *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 (208-230V)		Btu/h	350,000			
		kW	102.6			
	Power input	kW	28.71 *4			
	Current input	A	88.5 / 80.0 *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			4% to 100%			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 2~50			
Sound pressure level (measured in anechoic room)		dB <A>	64.5			
Refrigerant piping Dia. from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed			
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed			
Set Model						
Model			PUHY-P72TKMU-A(-BS)		PUHY-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 CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.5		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 920 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	25 / 23		45 / 42	
Recommended Fuse/Breaker Size		A	30		50	
Maximum Fuse Size		A	30		50	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	430 (195)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R331			
	Wiring		KE94C645		KE94C649	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2			
			Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-P336TSKMU-A(-BS)					
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz					
Cooling capacity (Nominal) *1 (208-230V)		Btu/h	336,000					
		kW	98.5					
	Power input	kW	27.21 *4					
	Current input	A	83.9 / 75.8 *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	378,000					
		kW	110.8					
	Power input	kW	31.73 *4					
	Current input	A	97.8 / 88.4 *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			5% to 100%					
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity					
	Model / Quantity		P06~P96 / 2~50					
Sound pressure level (measured in anechoic room)		dB <A>	64.5					
Refrigerant piping Dia. from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed					
	Gas pipe	In. (mm)	1-5/8"(41.28) Brazed					
Set Model								
Model			PUHY-P96TKMU-A(-BS)		PUHY-P120TKMU-A(-BS)		PUHY-P120TKMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	CFM	6,200		11,300		11,300	
		m³ / min	175		320		320	
		L/s	2,920		5,330		5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92+0.92		0.92+0.92	
External static pressure *6		0 in.WG (0 Pa) *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		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	7.1		8.1		8.1	
	Lubricant		MEL32		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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		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		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)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	34 / 31		45 / 42		45 / 42	
Recommended Fuse/Breaker Size		A	35		50		50	
Maximum Fuse Size		A	40		50		50	
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit					
Net weight		lbs (kg)	532 (241)		697 (316)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	7/8"(22.2)Brazed		1-1/8"(28.58)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Drawing	External		KD94R330					
	Wiring		KE94C647		KE94C649		KE94C649	
Standard attachment	Document		Installation Manual					
	Accessory		Details refer to External Drw					
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2					
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2					
			Header: CMY-Y104/108/1010C-G					
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.					

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-P360TSKMU-A(-BS)			
Power source			3-phase 3-wire 208 / 230V ±10% 60Hz			
Cooling capacity (Nominal) *1 (208-230V)	Btu/h		360,000			
	kW		105.5			
	Power input	kW	29.65 *4			
	Current input	A	91.4 / 82.6 *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		405,000			
	kW		118.7			
	Power input	kW	35.39 *4			
	Current input	A	109.1 / 98.7 *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			5% to 100%			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 2~50			
Sound pressure level (measured in anechoic room)		dB <A>	65.0			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed			
	Gas pipe	In. (mm)	1-5/8"(41.28) Brazed			
Set Model						
Model		PUHY-P120TKMU-A(-BS)		PUHY-P120TKMU-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	8.1		8.1	
	Lubricant		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		
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		45 / 42	
Recommended Fuse/Breaker Size		A	50		50	
Maximum Fuse Size		A	50		50	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz. (11.8 kg)		R410A x 26 lbs + 1 oz. (11.8 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	697 (316)		697 (316)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	1/2"(12.7)Brazed		1/2"(12.7)Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R330			
	Wiring		KE94C649		KE94C649	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts	Outdoor Twinning kit: CMY-Y300CBK2					
	Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2					
	Header: CMY-Y104/108/1010C-G					
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.					

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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.			* Above specification data is subject to rounding variation.

1. SPECIFICATIONS

1-2. PUHY-P72~360Y(S)KMU-A Specifications

Model			PUHY-P72YKMU-A(-BS)		PUHY-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	5.06 *4		7.00 *4	
	Current input	A	7.0 *4		9.7 *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	5.62 *4		7.47 *4	
	Current input	A	7.8 *4		10.4 *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	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P06~P72 / 1~15			P06~P96 / 1~20	
Sound pressure level (measured in anechoic room)		dB <A>	58.0		58.0	
Refrigerant piping diameter	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed (1/2" [12.7] Brazed, if length from outdoor unit to farthest indoor unit is >= 295" [90m])	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed		7/8"(22.2) Brazed	
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.	
	Operating Range		15% to 100%		16% to 100%	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.5		7.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 920 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	12		15	
Recommended Fuse/Breaker Size		A	15		20	
Maximum Fuse Size		A	15		20	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	463 (210)		558 (253)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External	KD94R322		KD94R323		
	Wiring	KE94C641		KE94C641		
Standard attachment	Document	Installation Manual		Installation Manual		
	Accessory	Details refer to External Drw		Details refer to External Drw		
Optional parts			Joint: CMY-Y102SS-G2		Joint: CMY-Y102SS/LS-G2	
			Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-Series System Design section.			

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal =kW x 860 BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C 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			PUHY-P120YKMU-A(-BS)		PUHY-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	9.09 *4		11.84 *4	
	Current input	A	12.6 *4		16.5 *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	10.28 *4		12.47 *4	
	Current input	A	14.3 *4		17.3 *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		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P06~P96 / 1~26		P06~P96 / 1~31	
Sound pressure level (measured in anechoic room)		dB <A>	60.0		61.0	
Refrigerant piping diameter	Liquid pipe	In. (mm)	3/8"(9.52) Brazed (1/2" [12.7] Brazed, if length from outdoor unit to farthest indoor unit is >= 295' [90m])		1/2"(12.7) 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 CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Operating Range		15% to 100%		14% to 100%	
	Starting method		Inverter		Inverter	
	Motor output	kW	8.1		10.6	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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	20		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		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	726 (329)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R324		KD94R324	
	Wiring		KE94C643		KE94C643	
Standard attachment	Document		Installation Manual		Installation Manual	
	Accessory		Details refer to External Drw		Details refer to External Drw	
Optional parts			Joint: CMY-Y102SS/LS-G2		Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2	
			Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	10.57 *4	
	Current input	A	14.7 *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		160,000	
		kW	46.9	
	Power input	kW	11.68 *4	
	Current input	A	16.2 *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			9% to 100%	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P06~P96/1~31	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	1/2"(12.7) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PUHY-P72YKMU-A (-BS)	PUHY-P72YKMU-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	5.5	5.5
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32
		mm	1,650 x 920 x 740	1,650 x 920 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)
	Compressor / Fan		Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	12	12
Recommended Fuse/Breaker Size		A	15	15
Maximum Fuse Size		A	15	15
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 19 lbs + 13 oz (9.0 kg)
	Control		LEV and HIC circuit	
Net weight		lbs (kg)	463 (210)	463 (210)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed	3/8"(9.52) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	7/8"(22.2) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KD94R322	
	Wiring		KE94C641	KE94C641
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3	
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2	
			Header: CMY-Y104/108/1010C-G	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	12.71 *4			
		Current input	A	17.7 *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	188,000				
		kW	55.1				
		Power input	kW	14.02 *4			
		Current input	A	19.5 *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			6% to 100%				
Indoor unit connectable		Total capacity		50~130% 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)	5/8"(15.88) Brazed			
		Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model							
Model			PUHY-P72YKMU-A (-BS)		PUHY-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	5.5		7.1	
	Lubricant		MEL32		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32		
		mm	1,650 x 920 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)		
	Compressor / Fan		Over-current protection		Over-current protection		
	Fan Motor		Thermal switch		Thermal switch		
Minimum Circuit Ampacity (MCA)		A	12		15		
Recommended Fuse/Breaker Size		A	15		20		
Maximum Fuse Size		A	15		20		
Refrigerant		Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
		Control		LEV and HIC circuit			
Net weight		lbs (kg)	463 (210)		558 (253)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		
Refrigerant piping diameter from Module to Twinning Kit		Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed	
		Gas pipe	In. (mm)	7/8"(22.2) Brazed		7/8"(22.2) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)				
Drawing		External		KD94R335			
		Wiring		KE94C641		KE94C641	
Standard attachment		Document		Installation Manual			
		Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3				
			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2				
			Header: CMY-Y104/108/1010C-G				
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	15.63 *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	16.57 *4			
	Current input	A	23.1 *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			6% to100%			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 1~41			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P72YKMU-A (-BS)		PUHY-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	
	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	5.5		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7<MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 920 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)	
	Compressor / Fan		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	12		20	
Recommended Fuse/Breaker Size		A	15		25	
Maximum Fuse Size		A	15		25	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	463 (210)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R336			
	Wiring		KE94C641		KE94C643	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	16.90 *4			
	Current input	A	23.5 *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 (460V)		Btu/h	243,000			
		kW	71.2			
	Power input	kW	19.26 *4			
	Current input	A	26.8 *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		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 2~46			
Sound pressure level (measured in anechoic room)		dB <A>	62.5			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P96YKMU-A (-BS)		PUHY-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	
	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	7.1		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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)	
	Compressor / Fan		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	15		20	
Recommended Fuse/Breaker Size		A	20		25	
Maximum Fuse Size		A	20		25	
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit			
Net weight	lbs (kg)		558 (253)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R337			
	Wiring		KE94C641		KE94C643	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	19.12 *4			
	Current input	A	26.6 *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	21.86 *4			
	Current input	A	30.4 *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		50~130% of outdoor unit capacity			
	Model / Quantity		P06~P96 / 2~50			
Sound pressure level (measured in anechoic room)			dB <A> 63.0			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	5/8"(15.88) Brazed			
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PUHY-P120YKMU-A (-BS)		PUHY-P120YKMU-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	
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	8.1		8.1	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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)	
	Compressor / Fan		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	20		20	
Recommended Fuse/Breaker Size		A	25		25	
Maximum Fuse Size		A	25		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		LEV and HIC circuit			
Net weight		lbs (kg)	726 (329)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KD94R338			
	Wiring		KE94C643		KE94C643	
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3			
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2			
			Header: CMY-Y104/108/1010C-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-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	22.99 *4					
	Current input	A	32.0 *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	295,000					
		kW	86.5					
	Power input	kW	24.19 *4					
	Current input	A	33.7 *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		50~130% of outdoor unit capacity					
	Model / Quantity		P06~P96 / 2~50					
Sound pressure level (measured in anechoic room)	dB <A>	63.5						
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed					
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed					
Set Model								
Model		PUHY-P72YKMU-A (-BS)		PUHY-P72YKMU-A (-BS)		PUHY-P120YKMU-A (-BS)		
Fan	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2		
	Airflow rate	CFM	6,200		6,200		11,300	
		m³ / min	175		175		320	
		L/s	2,920		2,920		5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		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		0 in.WG (0 Pa) *6	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	5.5		5.5		8.1	
	Lubricant		MEL32		MEL32		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	1,650 x 920 x 740		1,650 x 920 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)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-current protection		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	12		12		20	
Recommended Fuse/Breaker Size		A	15		15		25	
Maximum Fuse Size		A	15		15		25	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit					
Net weight		lbs (kg)	463 (210)		463 (210)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed		3/8"(9.52) Brazed	
	Gas pipe	In. (mm)	7/8"(22.2) Brazed		7/8"(22.2) Brazed		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Drawing	External		KD94R339					
	Wiring		KE94C641		KE94C641		KE94C643	
Standard attachment	Document		Installation Manual					
	Accessory		Details refer to External Drw					
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2					
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2					
			Header: CMY-Y104/108/1010C-G					
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.							
	*3 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 Y-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 Y-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			PUHY-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	22.39 *4		
	Current input	A	31.2 *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	323,000		
		kW	94.7		
	Power input	kW	25.36 *4		
	Current input	A	35.3 *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			4% to 100%		
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P06~P96 / 2~50		
Sound pressure level (measured in anechoic room)		dB <A>	64.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed		
Set Model					
Model			PUHY-P72YKMU-A (-BS)	PUHY-P96YKMU-A (-BS)	PUHY-P120YKMU-A (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	6,200	11,300
		m³ / min	175	175	320
		L/s	2,920	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92	0.92	0.92+0.92
Compressor	External static pressure *6		0 in.WG (0 Pa) *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	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.5	7.1	8.1
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32	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 920 x 740	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)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-current protection	Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	12	15	20
Recommended Fuse/Breaker Size		A	15	20	25
Maximum Fuse Size		A	15	20	25
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	463 (210)	558 (253)	726 (329)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed	3/8"(9.52) Brazed	3/8"(9.52) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	7/8"(22.2) Brazed	1-1/8"(28.58) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R340		
	Wiring		KE94C641	KE94C641	KE94C643
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2		
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2		
			Header: CMY-Y104/108/1010C-G		
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
	*3 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 Y-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 details on standard anti-corrosion protection and BS treatment, see the Y-Series System Design section.					
Note:	*1 Nominal cooling capacity		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.)		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			PUHY-P312YSKMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal) *1 (460V)		Btu/h	312,000		
		kW	91.4		
		Power input	kW	25.82 *4	
	Current input	A	36.0 *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	350,000		
		kW	102.6		
		Power input	kW	27.30 *4	
	Current input	A	38.0 *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			4% to100%		
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P06~P96 / 2~50		
Sound pressure level (measured in anechoic room)			dB <A> 64.5		
Refrigerant piping Dia. from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		
	Gas pipe	In. (mm)	1-3/8"(34.93) Brazed		
Set Model					
Model			PUHY-P72YKMU-A (-BS)	PUHY-P120YKMU-A (-BS)	PUHY-P120YKMU-A (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300	11,300
		m³ / min	175	320	320
		L/s	2,920	5,330	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92	0.92+0.92	0.92+0.92
External static pressure *6		0 in.WG (0 Pa) *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	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.5	8.1	8.1
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		In.	64-31/32 x 36-1/4 x 29-5/32	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 920 x 740	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)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-current protection	Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	12	20	20
Recommended Fuse/Breaker Size		A	15	25	25
Maximum Fuse Size		A	15	25	25
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		LEV and HIC circuit		
Net weight			lbs (kg) 463 (210)	726 (329)	726 (329)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed	3/8"(9.52) Brazed	3/8"(9.52) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	1-1/8"(28.58) Brazed	1-1/8"(28.58) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R341		
	Wiring		KE94C641	KE94C643	KE94C643
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2		
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2		
			Header: CMY-Y104/108/1010C-G		
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 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 Y-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 Y-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			PUHY-P336YSKMU-A (-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal) *1 (460V)		Btu/h	336,000		
		kW	98.5		
	Power input	kW	28.58 *4		
	Current input	A	39.8 *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	378,000		
		kW	110.8		
	Power input	kW	30.24 *4		
	Current input	A	42.1 *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			5% to 100%		
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P06~P96 / 2~50		
Sound pressure level (measured in anechoic room)		dB <A>	64.5		
Refrigerant piping Dia. from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed		
	Gas pipe	In. (mm)	1-5/8"(41.28) Brazed		
Set Model					
Model			PUHY-P96YKMU-A (-BS)	PUHY-P120YKMU-A (-BS)	PUHY-P120YKMU-A (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300	11,300
		m³ / min	175	320	320
		L/s	2,920	5,330	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92	0.92+0.92	0.92+0.92
External static pressure *6		0 in.WG (0 Pa) *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	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	7.1	8.1	8.1
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>
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	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	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)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-current protection	Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch	Thermal switch
Minimum Circuit Ampacity (MCA)		A	15	20	20
Recommended Fuse/Breaker Size		A	20	25	25
Maximum Fuse Size		A	20	25	25
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz. (11.5 kg)	R410A x 26 lbs + 1 oz. (11.8 kg)	R410A x 26 lbs + 1 oz. (11.8 kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	558 (253)	726 (329)	726 (329)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure	Copper pipe,tube-in-tube structure
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed	3/8"(9.52) Brazed	3/8"(9.52) Brazed
	Gas pipe	In. (mm)	7/8"(22.2) Brazed	1-1/8"(28.58) Brazed	1-1/8"(28.58) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R340		
	Wiring		KE94C641	KE94C643	KE94C643
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2		
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2		
			Header: CMY-Y104/108/1010C-G		
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
	*3 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 Y-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 Y-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			PUHY-P360YSKMU-A (-BS)					
Power source			3-phase 3-wire 460V ±10% 60Hz					
Cooling capacity (Nominal) *1 (460V)	Btu/h		360,000					
	kW		105.5					
	Power input	kW	29.65 *4					
	Current input	A	41.3 *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		403,000					
	kW		118.1					
	Power input	kW	35.39 *4					
	Current input	A	49.3 *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			5% to 100%					
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity					
	Model / Quantity		P06~P96 / 2~50					
Sound pressure level (measured in anechoic room)			dB <A> 65.0					
Refrigerant piping Dia. from Twinning Kit to Indoor Units	Liquid pipe	In. (mm)	3/4"(19.05) Brazed					
	Gas pipe	In. (mm)	1-5/8"(41.28) Brazed					
Set Model								
Model			PUHY-P120YKMU-A (-BS)		PUHY-P120YKMU-A (-BS)		PUHY-P120YKMU-A (-BS)	
Fan	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	CFM	11,300		11,300		11,300	
		m³ / min	320		320		320	
		L/s	5,330		5,330		5,330	
	Control , Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92		0.92+0.92	
External static pressure *6			0 in.WG (0 Pa) *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		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	8.1		8.1		8.1	
	Lubricant		MEL32		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *7 <MUNSELL 5Y 8/1 or similar>	
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		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		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)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-current protection		Over-current protection		Over-current protection	
	Fan Motor		Thermal switch		Thermal switch		Thermal switch	
Minimum Circuit Ampacity (MCA)		A	20		20		20	
Recommended Fuse/Breaker Size		A	25		25		25	
Maximum Fuse Size		A	25		25		25	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
	Control		LEV and HIC circuit					
Net weight		lbs (kg)	726 (329)		726 (329)		726 (329)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	In. (mm)	3/8"(9.52) Brazed		3/8"(9.52) Brazed		3/8"(9.52) Brazed	
	Gas pipe	In. (mm)	1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed		1-1/8"(28.58) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Drawing	External		KD94R343					
	Wiring		KE94C643		KE94C643		KE94C643	
Standard attachment	Document		Installation Manual					
	Accessory		Details refer to External Drw					
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2					
			Joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2					
			Header: CMY-Y104/108/1010C-G					
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.							
	*3 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 Y-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 Y-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
PUHY-P72YKMU-A (-BS)	Ducted / Non-Ducted	13.0 / 14.2	19.8 / 21.3	3.83 / 4.19	2.59 / 2.39
PUHY-P96YKMU-A (-BS)	Ducted / Non-Ducted	12.6 / 13.7	19.7 / 20.7	3.95 / 4.22	2.71 / 2.68
PUHY-P120YKMU-A (-BS)	Ducted / Non-Ducted	12.5 / 12.7	19.1 / 19.1	3.66 / 3.83	2.51 / 2.38
PUHY-P144YKMU-A (-BS)	Ducted / Non-Ducted	11.6 / 11.8	19.3 / 20.2	3.56 / 3.72	2.32 / 2.22
PUHY-P144YSKMU-A (-BS)	Ducted / Non-Ducted	12.8 / 13.2	19.3 / 20.3	3.79 / 3.95	2.56 / 2.13
PUHY-P168YSKMU-A (-BS)	Ducted / Non-Ducted	12.6 / 12.9	19.6 / 19.7	3.78 / 3.83	2.60 / 2.19
PUHY-P192YSKMU-A (-BS)	Ducted / Non-Ducted	12.4 / 12.5	18.9 / 19.1	3.63 / 3.61	2.45 / 2.17
PUHY-P216YSKMU-A (-BS)	Ducted / Non-Ducted	12.3 / 12.3	18.9 / 18.6	3.65 / 3.56	2.48 / 2.09
PUHY-P240YSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.0	18.6 / 18.1	3.55 / 3.53	2.42 / 2.05
PUHY-P264YSKMU-A (-BS)	Ducted / Non-Ducted	12.5 / 12.5	19.0 / 18.7	3.68 / 3.60	2.52 / 2.16
PUHY-P288YSKMU-A (-BS)	Ducted / Non-Ducted	12.4 / 12.4	19.0 / 18.7	3.68 / 3.59	2.53 / 2.21
PUHY-P312YSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.1	18.4 / 18.1	3.54 / 3.45	2.43 / 2.22
PUHY-P336YSKMU-A (-BS)	Ducted / Non-Ducted	11.9 / 12.0	18.2 / 17.8	3.50 / 3.36	2.38 / 2.13
PUHY-P360YSKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 11.8	17.8 / 17.2	3.39 / 3.22	2.32 / 2.05
PUHY-P72TKMU-A (-BS)	Ducted / Non-Ducted	13.0 / 14.2	19.8 / 21.3	3.83 / 4.19	2.59 / 2.39
PUHY-P96TKMU-A (-BS)	Ducted / Non-Ducted	12.6 / 13.7	19.7 / 20.7	3.95 / 4.22	2.71 / 2.68
PUHY-P120TKMU-A (-BS)	Ducted / Non-Ducted	12.5 / 12.7	19.1 / 19.1	3.66 / 3.83	2.51 / 2.38
PUHY-P144TKMU-A (-BS)	Ducted / Non-Ducted	11.6 / 11.8	19.3 / 20.2	3.56 / 3.72	2.32 / 2.22
PUHY-P168TSKMU-A (-BS)	Ducted / Non-Ducted	12.6 / 12.9	19.6 / 19.7	3.78 / 3.83	2.60 / 2.19
PUHY-P192TSKMU-A (-BS)	Ducted / Non-Ducted	12.4 / 12.5	18.9 / 19.1	3.63 / 3.61	2.45 / 2.17
PUHY-P216TSKMU-A (-BS)	Ducted / Non-Ducted	12.3 / 12.3	18.9 / 18.6	3.65 / 3.56	2.48 / 2.09
PUHY-P240TSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.0	18.6 / 18.1	3.55 / 3.53	2.42 / 2.05
PUHY-P264TSKMU-A (-BS)	Ducted / Non-Ducted	12.5 / 12.5	19.0 / 18.7	3.68 / 3.60	2.52 / 2.16
PUHY-P288TSKMU-A (-BS)	Ducted / Non-Ducted	12.4 / 12.4	19.0 / 18.7	3.68 / 3.59	2.53 / 2.21
PUHY-P312TSKMU-A (-BS)	Ducted / Non-Ducted	12.1 / 12.1	18.4 / 18.1	3.54 / 3.45	2.43 / 2.22
PUHY-P336TSKMU-A (-BS)	Ducted / Non-Ducted	11.9 / 12.0	18.2 / 17.8	3.50 / 3.36	2.38 / 2.13
PUHY-P360TSKMU-A (-BS)	Ducted / Non-Ducted	11.7 / 11.8	17.8 / 17.2	3.39 / 3.22	2.32 / 2.05
Note:	*1. Efficiency values based on AHRI 1230 test method.				

2. EXTERNAL DIMENSIONS

PUHY-P72TKMU-A(-BS)

Unit : mm(in.)

Note1. 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).

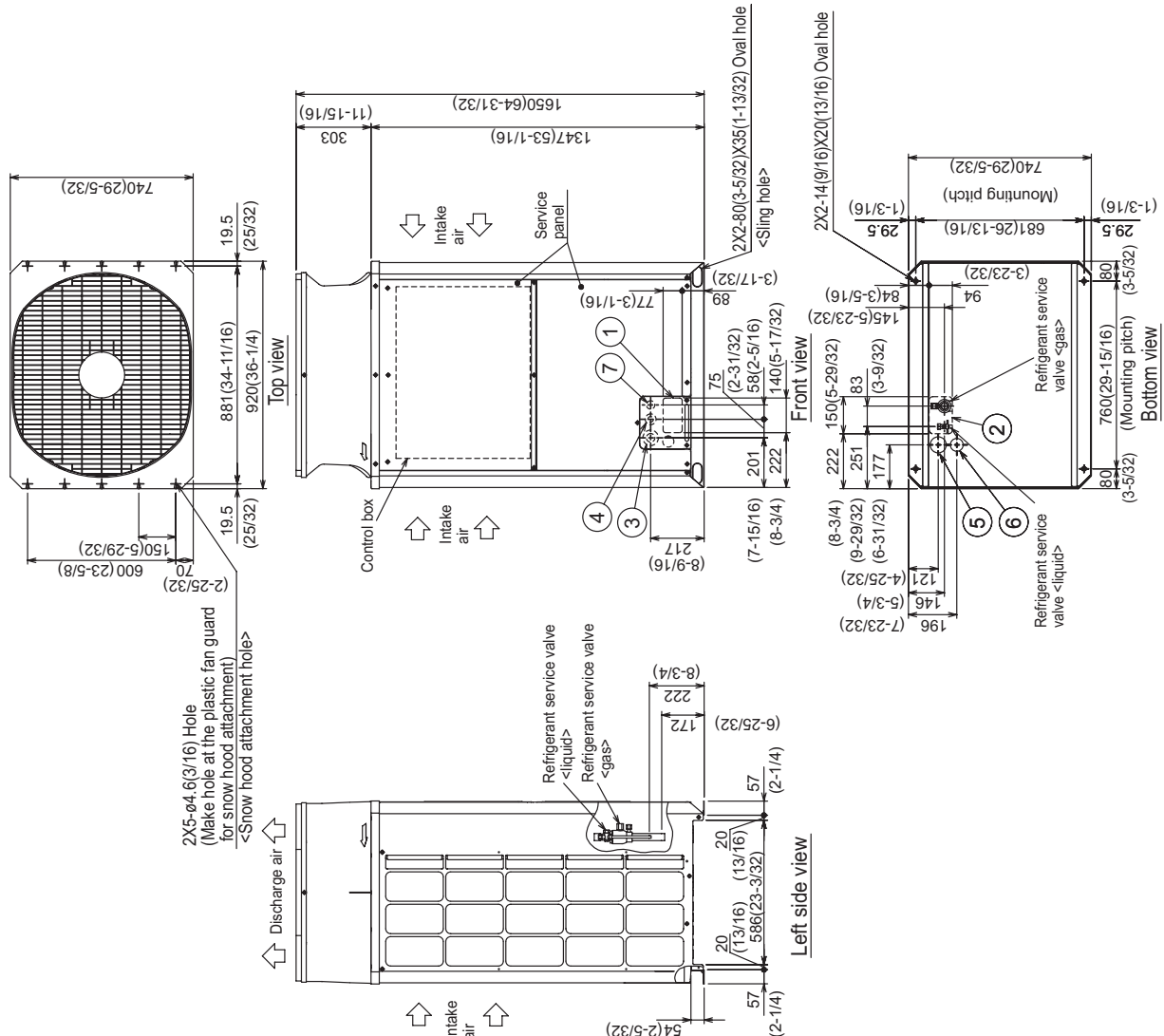
Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P72TKMU	ø9.52 Brazed (3/8)" ^{*1}	ø22.2 Brazed (7/8)" ^{*2}	ø9.52 (3/8)"	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	Bottom through hole	150 x 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø27.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	For transmission cables	ø34 Knockout hole (1-11/32)



2. EXTERNAL DIMENSIONS

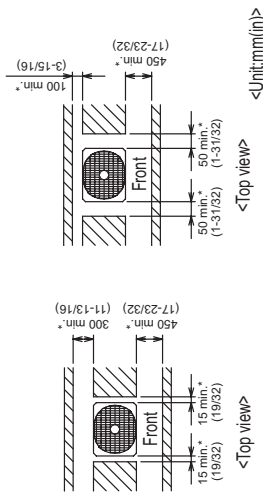
PUHY-P72TKMU-A-(BS)

Unit : mm(in.)

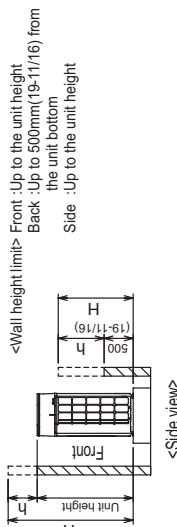
1. Required space around the unit

● 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



- 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.

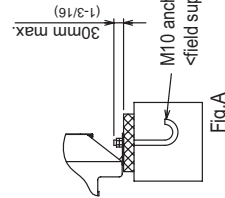


Fig.A

M10 anchor bolt
<field supply required>

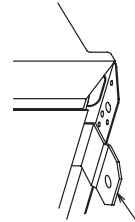
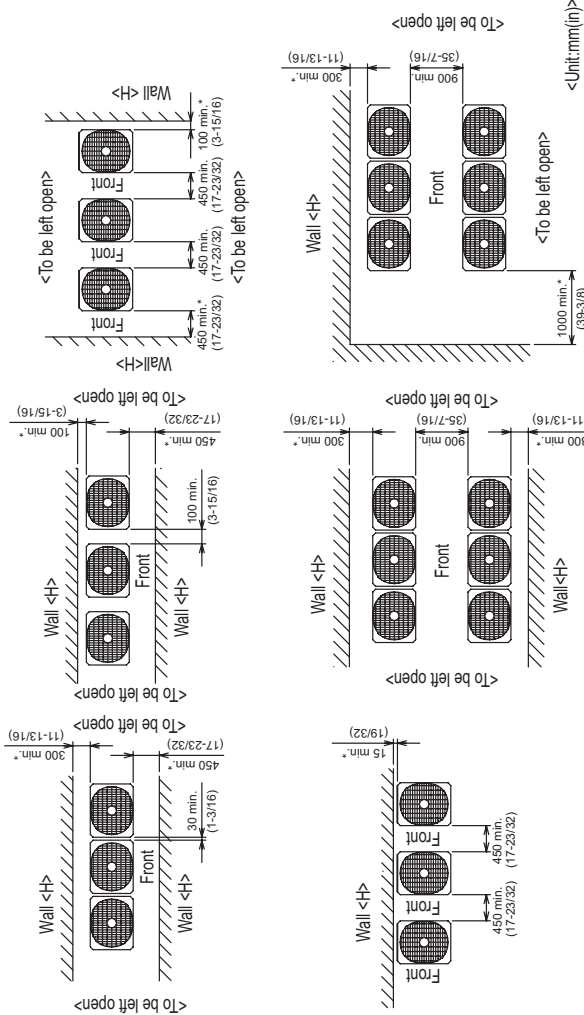


Fig.B

Fixing plate
<field supply required>

● 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.



2. EXTERNAL DIMENSIONS

PUHY-P96TKMU-A(-BS)

Unit : mm(in.)

Note1. 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

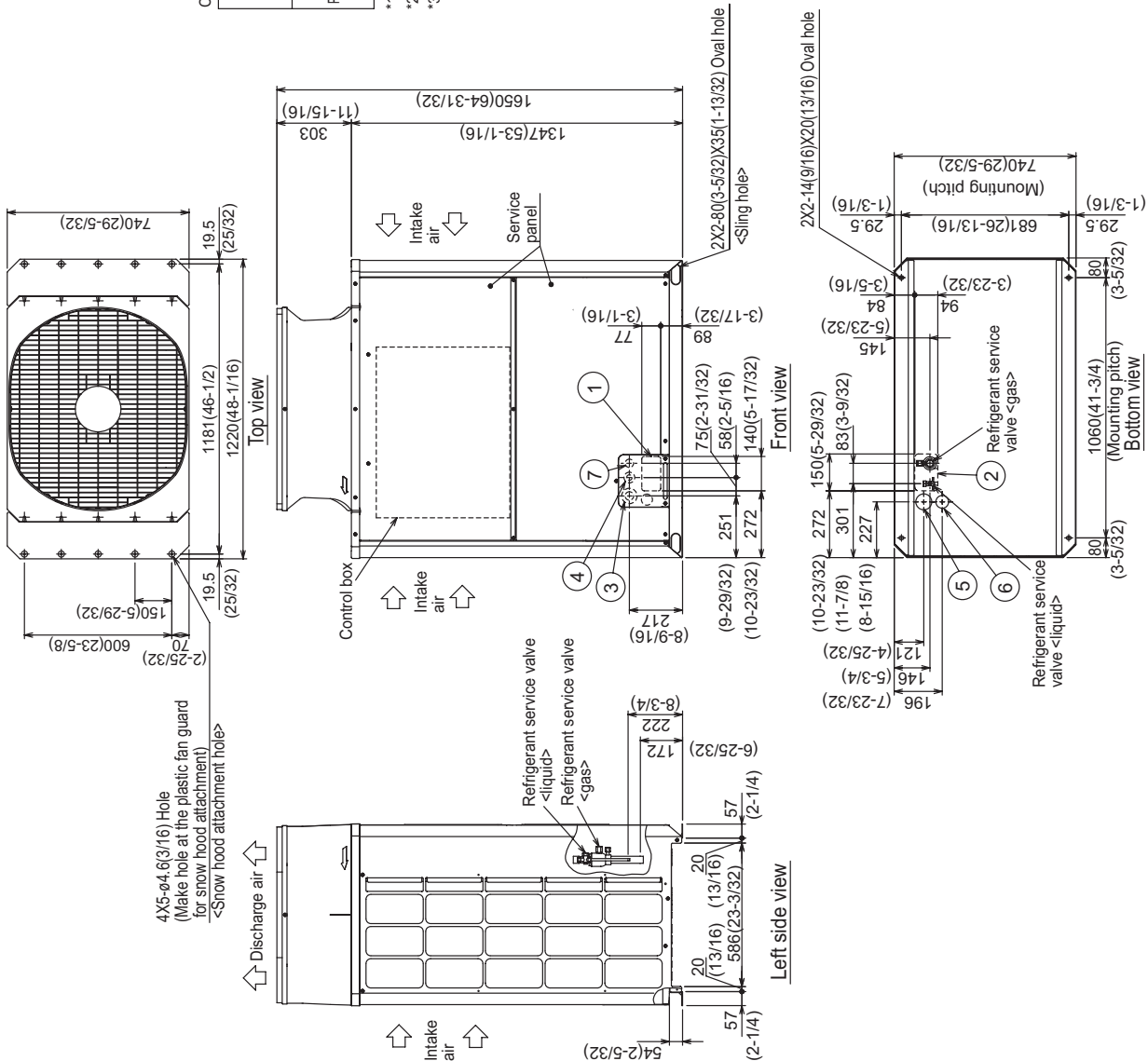
Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P96TKMU	ø9.52 Braze (3/8) *1 (ø12.7 Braze) (1/2) *2 *3	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)

*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.

*3 To be used when piping length OU to First Joint ≥ 90m(295ft)

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-17/32) (3-1/16)
②	Bottom through hole	150 x 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)



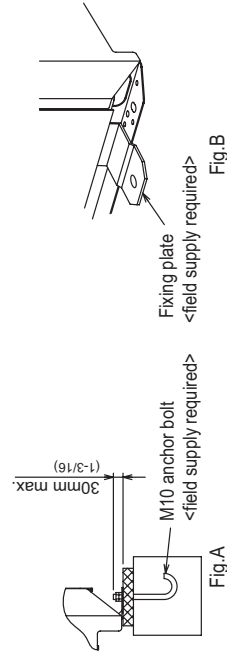
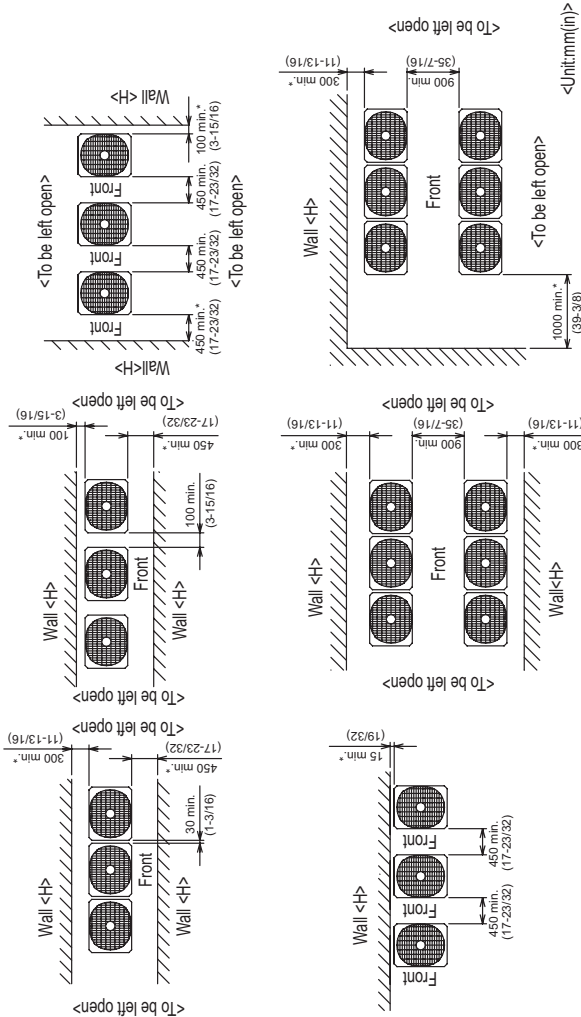
2. EXTERNAL DIMENSIONS

PUHY-P96TKMU-A(-BS)

Unit : mm(in.)

● In case of collective installation

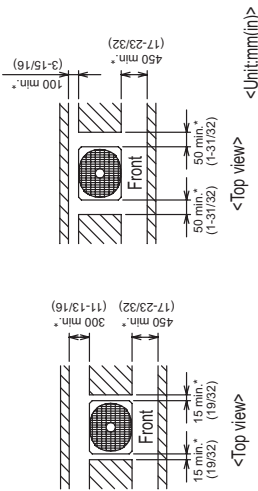
- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit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



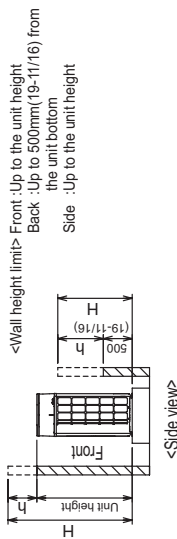
1. Required space around the unit

● 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



- 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.
- 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.

2. EXTERNAL DIMENSIONS

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

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.

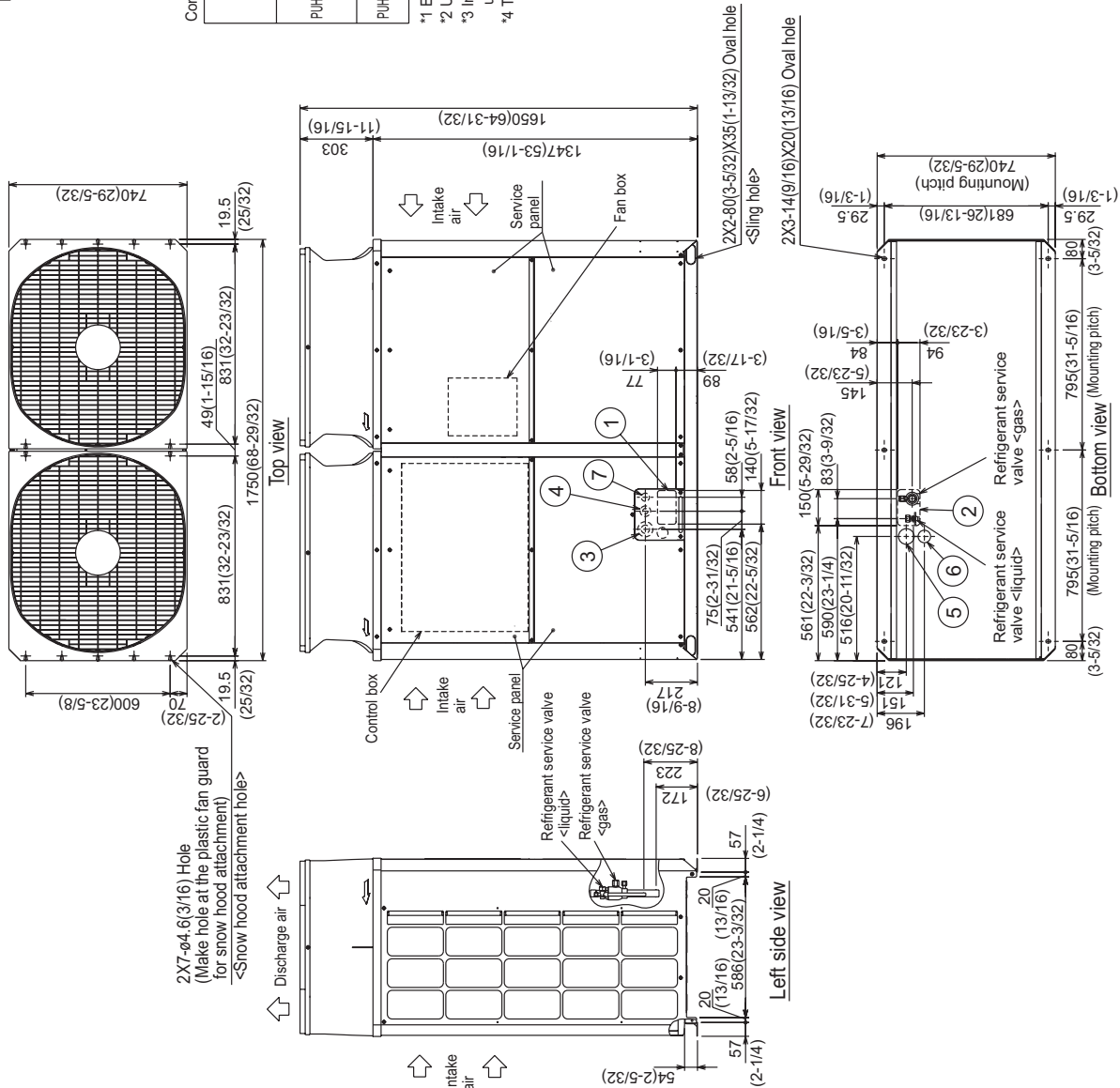
2: At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120 °C(248 °F).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P120TKMU	ø9.52 Brazed (3/8)" *2 (ø12.7 Brazed) (1/2)" *1 *3 *4	ø28.58 Brazed (1-1/8)" *2	ø12.7 (1/2)"	ø28.58 (1-1/8)"
PUHY-P144TKMU	ø12.7 Brazed (1/2)" *1			

*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.
 *3 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
 *4 To be used when piping length OU to First Joint ≥ 40m(131ft)

Unit : mm(in.)



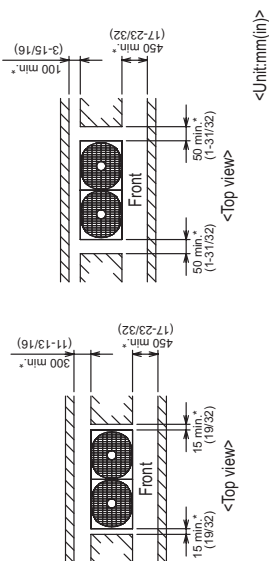
NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-17/32) (3-1/16)
②	Bottom through hole	150 x 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)

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

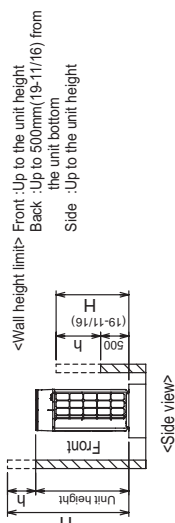
1.Required space around the unit

- 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.

- 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 three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.

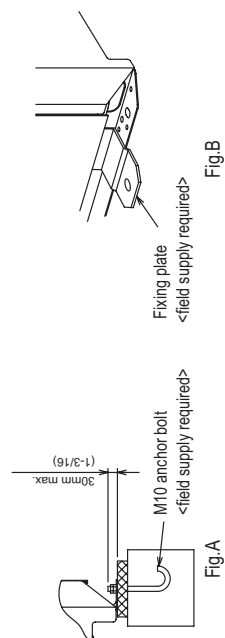
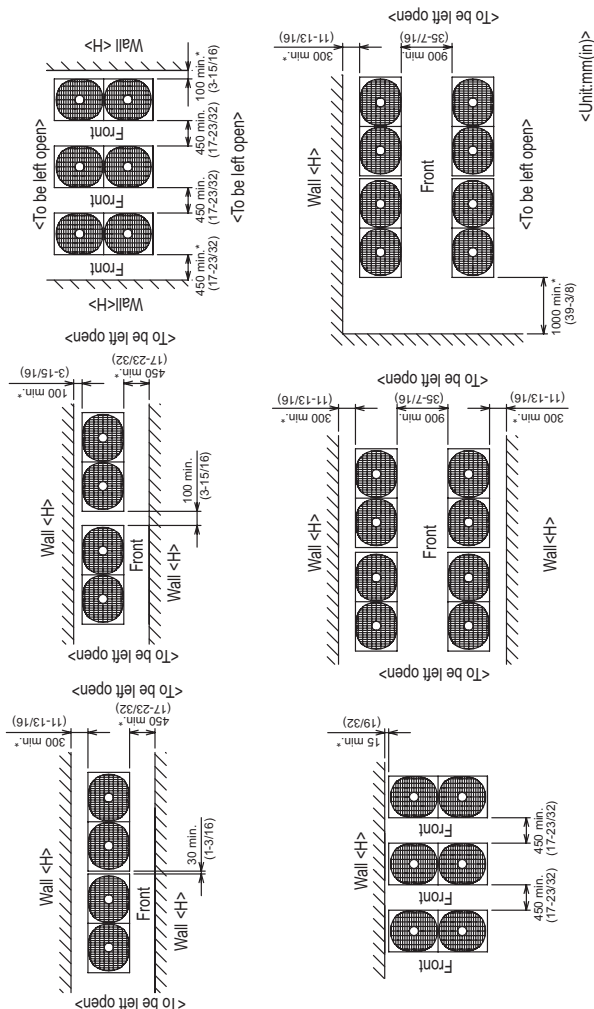


Fig.B

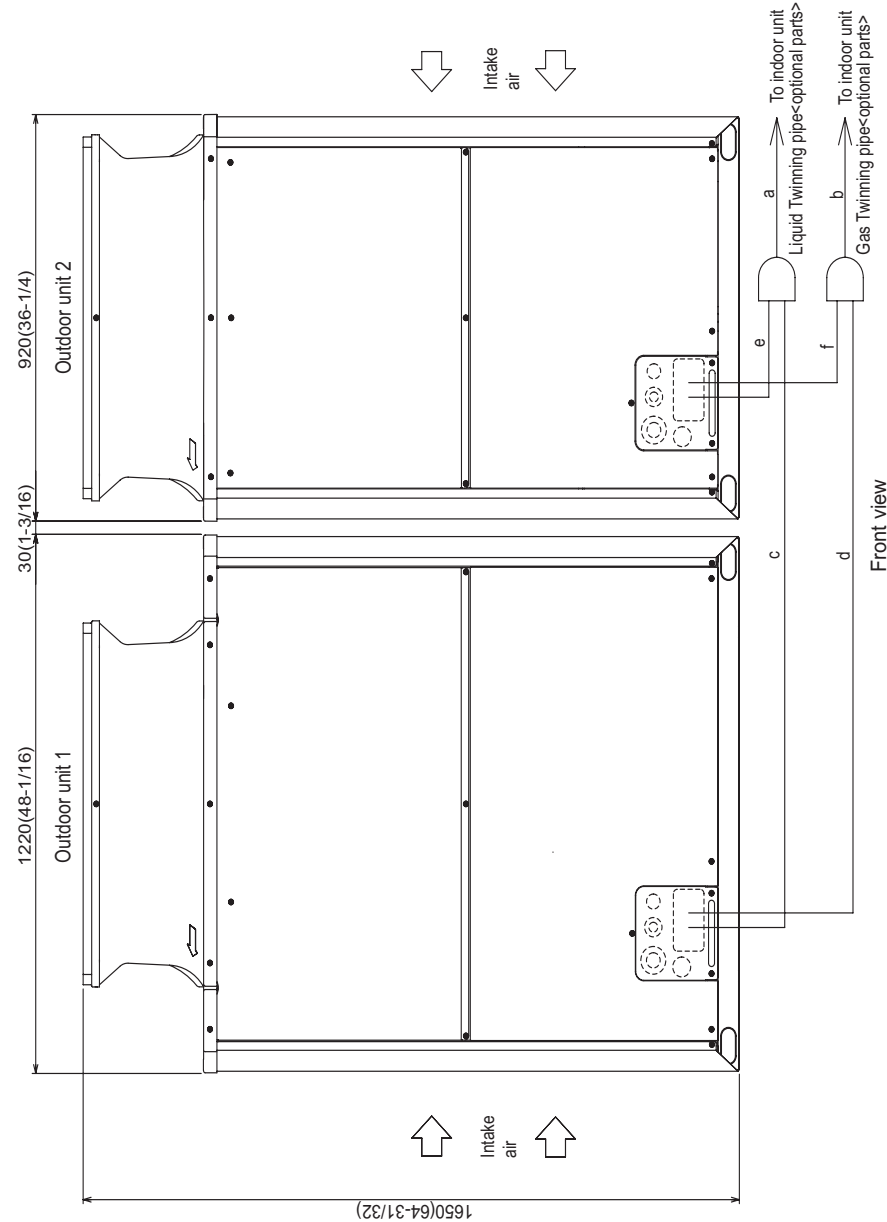
Fig. A

Unit : mm(in.)

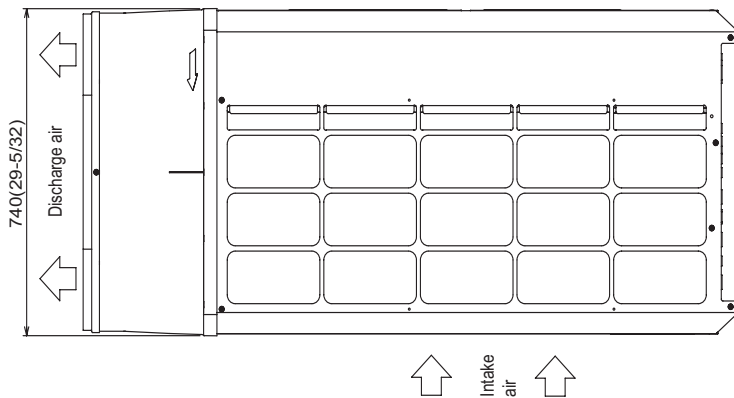
2. EXTERNAL DIMENSIONS

PUHY-P168TSKMU-A(-BS)

Unit : mm(in.)



Front view



Left view

Twinning pipe connection size

Package unit name	PUHY-P168TSKMU-A(-BS)
Component unit name	Outdoor unit 1 PUHY-P66TKMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CUY-Y100CBK3
Indoor unit-Twinning pipe	Liquid a Gas b
	ø15.88(5/8) ø28.58(1-1/8)

Unit model	Liquid core c or e	Gas d or f
P72	ø9.52(3/8)	ø22.2(7/8)
P96	ø9.52(3/8)	ø22.2(7/8)

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

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

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

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

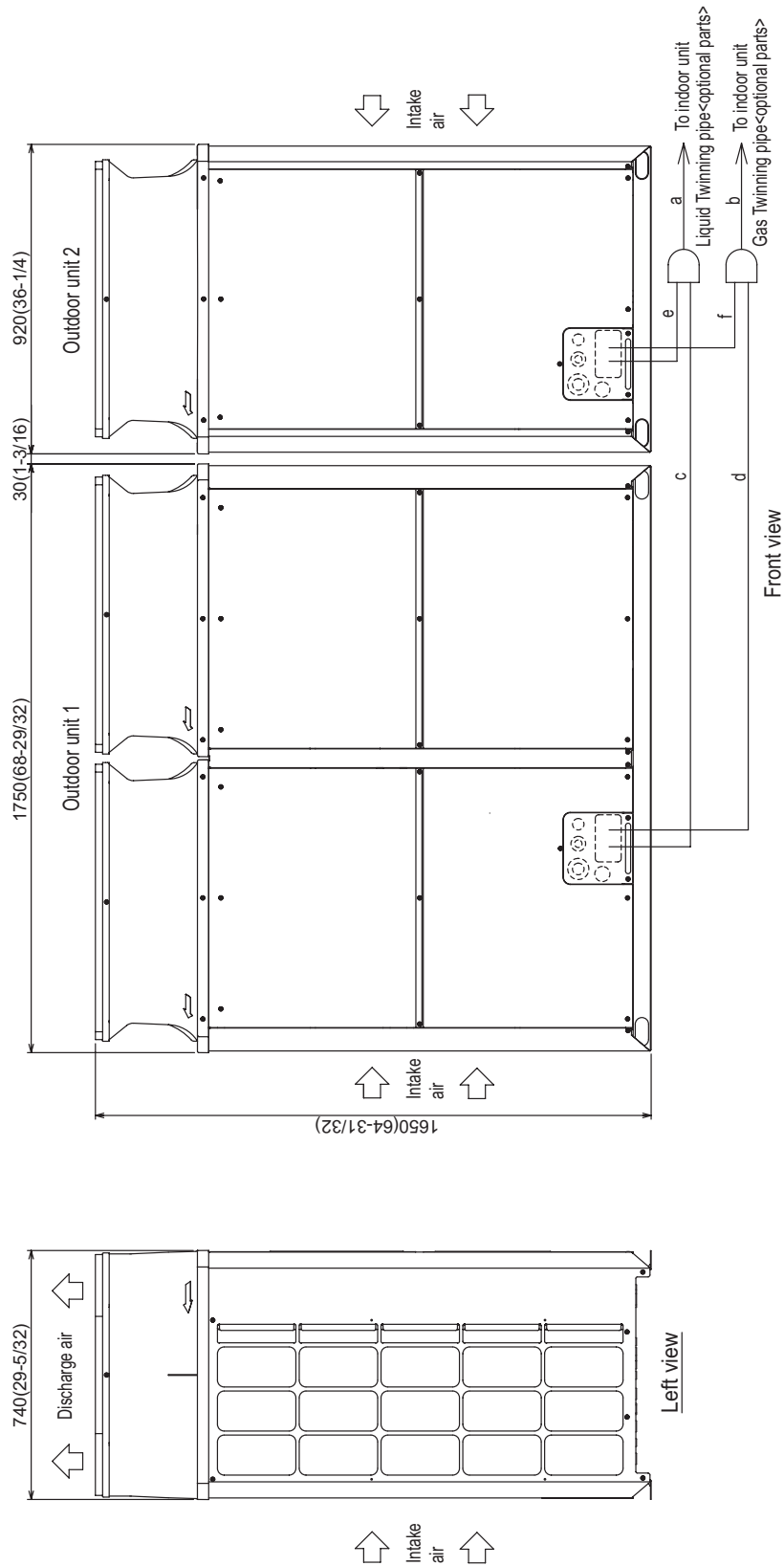
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P192TSKMU-A(-BS)

Unit : mm(in.)



Twinning pipe connection size

Package unit name		PUHY-P192TSKMU-A(-BS)	
Component unit name	Outdoor unit 1	PUHY-P120TKMU-A(-BS)	
	Outdoor unit 2	PUHY-P72TKMU-A(-BS)	
Outdoor Twinning Kit(optional parts)		GMV-Y100CBK3	
Indoor unit-Twinning pipe	Liquid	a	ø15.88(5/8)
	Gas	b	ø28.58(1-1/8)

Twinning pipe-Outdoor unit	Unit model	Liquid		Gas	
		c or e		d or f	
	P72	ø9.52(3/8)		ø22.2(7/8)	
	P120	ø12.7(1/2)		ø28.58(1-1/8)	

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

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

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

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

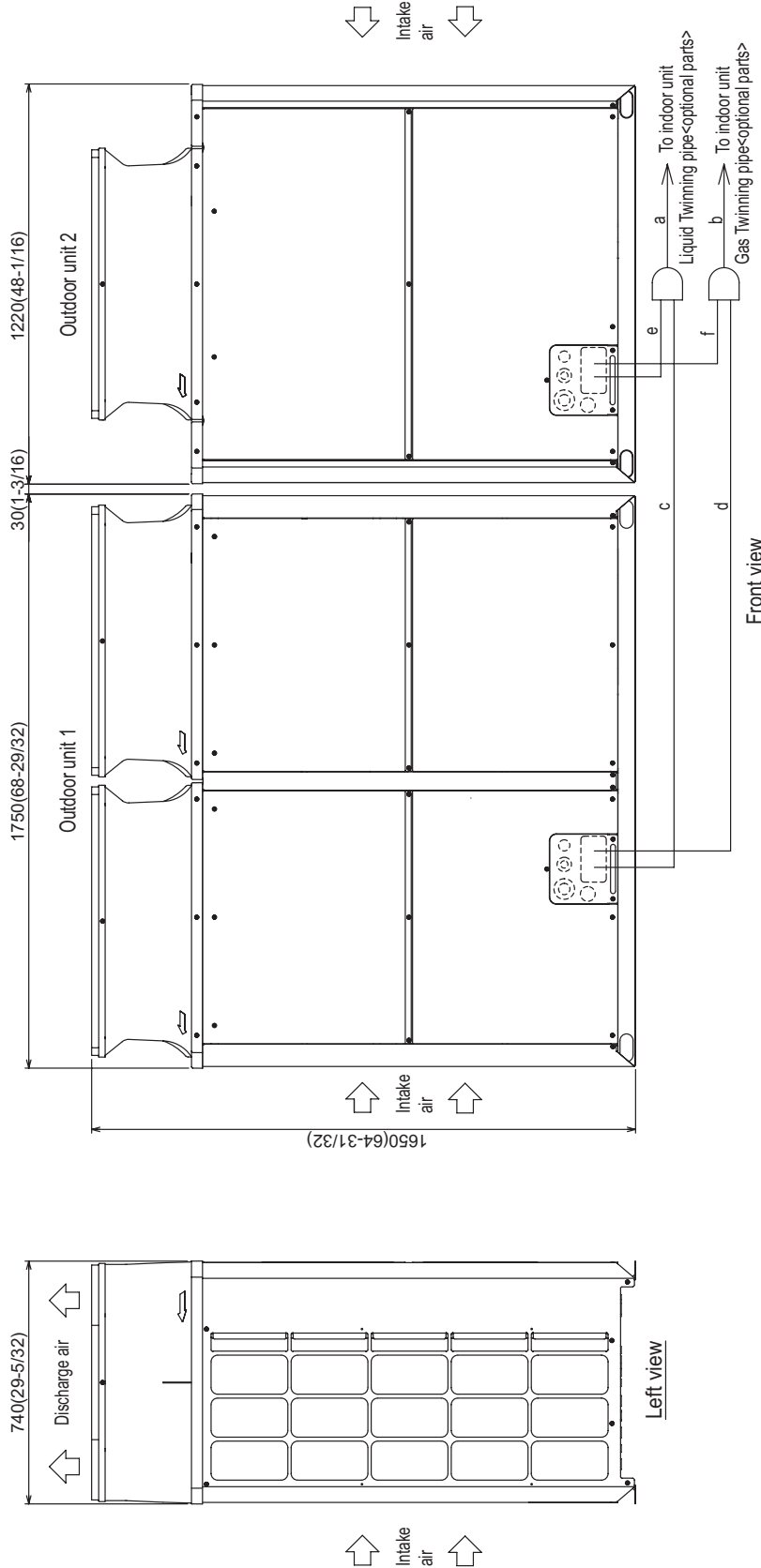
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P216TSKMU-A(-BS)

Unit : mm(in.)



Twinning pipe connection size

Package unit name		PUHY-P216TSKMU-A(-BS)	
Component unit name		PUHY-P120TKMU-A(-BS)	
Outdoor unit name		PUHY-P96TKMU-A(-BS)	
Outdoor Twinning Kit (optional parts)		CMY-Y100CBK3	
Indoor unit-Twinning pipe		ø15.88(5/8)	
		ø28.58(1-1/8)	

Twinning pipe-Outdoor unit		Unit model		Liquid		Gas	
		P96		c or e		d or f	
		P120		ø9.52(3/8)		ø22.2(7/8)	
				ø12.7(1/2)		ø28.58(1-1/8)	

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

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

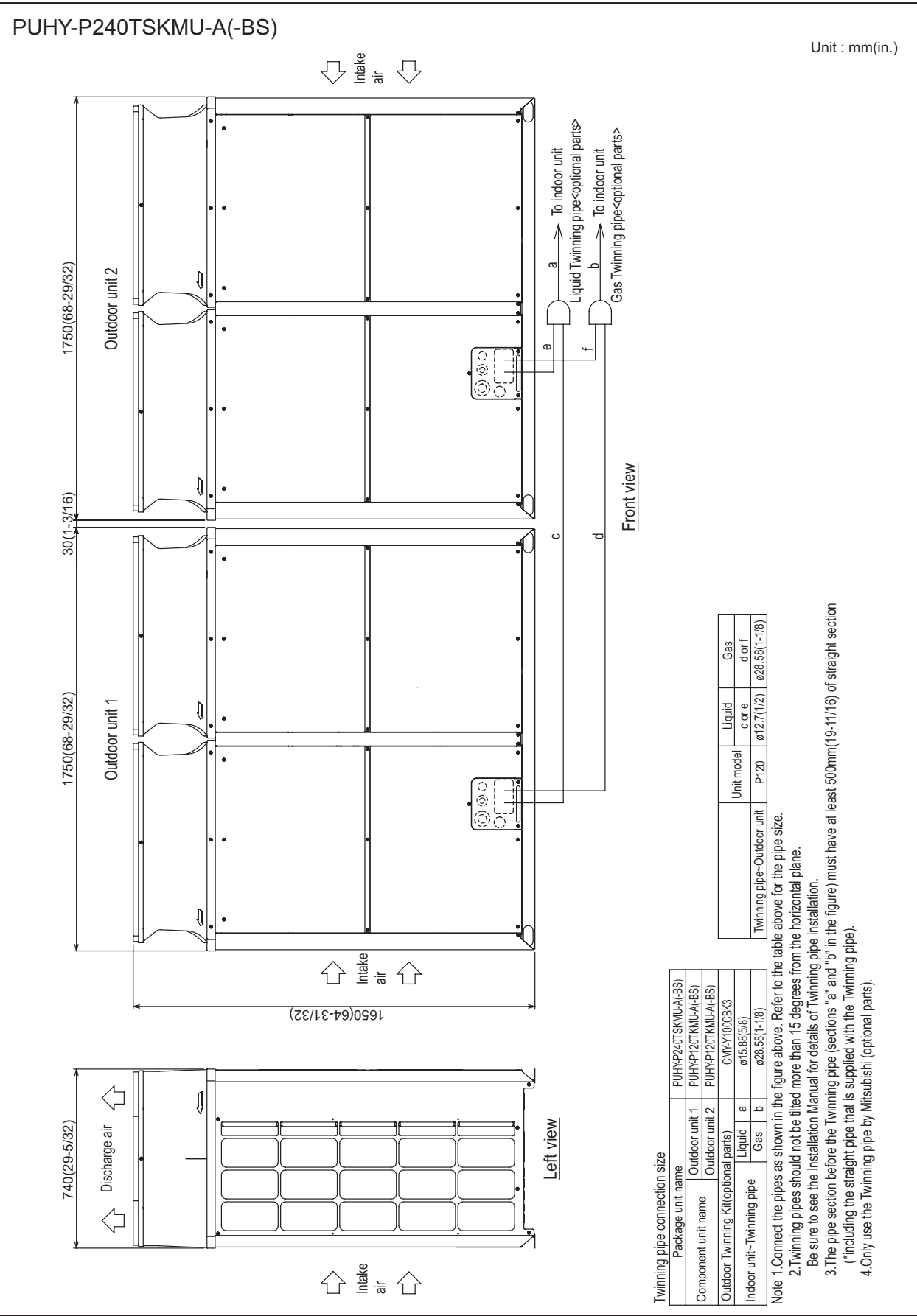
Be sure to see the Installation Manual for details of Twinning pipe installation.

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

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

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

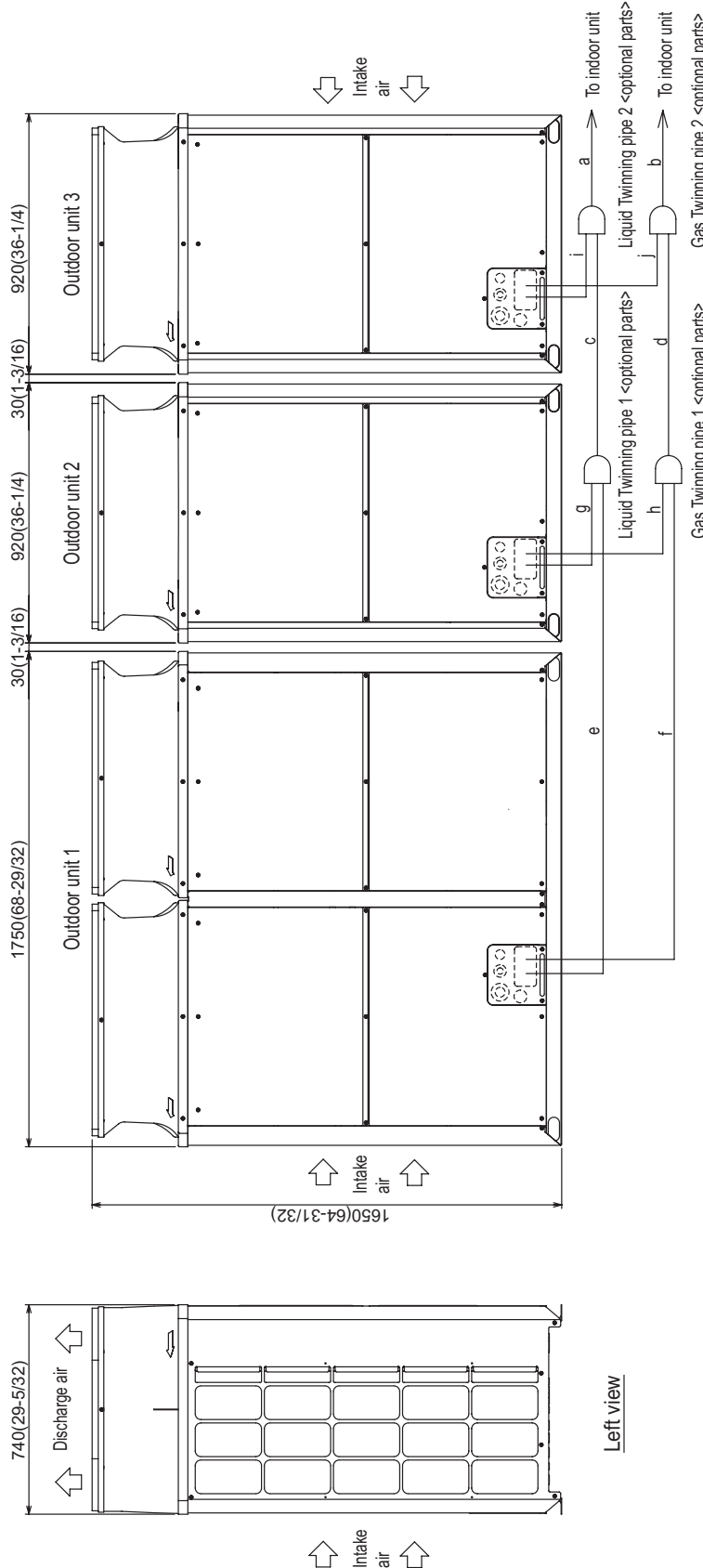
2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS

PUHY-P264TSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size		PUHY-P264TSKMU-A(-BS)
Package unit name		PUHY-P264TSKMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P20TKMU-A(-BS)
	Outdoor unit 2	PUHY-P22TKMU-A(-BS)
Outdoor Twinning Kit(optional parts)	Outdoor unit 3	PUHY-P22TKMU-A(-BS)
	Indoor unit~ Twinning pipe 2	CMY-Y300CBK2
Twinning pipe 1~ Twinning pipe 2	Liquid a	ø19.05(3/4)
	Gas b	ø34.93(1-3/8)
Twinning pipe 1~ Twinning pipe 2	Liquid c	ø19.05(3/4)
	Gas d	ø34.93(1-3/8)

Unit model		Liquid e or g or i	Gas f or h or j
Twinning pipe~Outdoor unit		P72	ø9.52(3/8)
		P120	ø12.7(1/2)
			ø28.58(1-1/8)

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

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

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

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

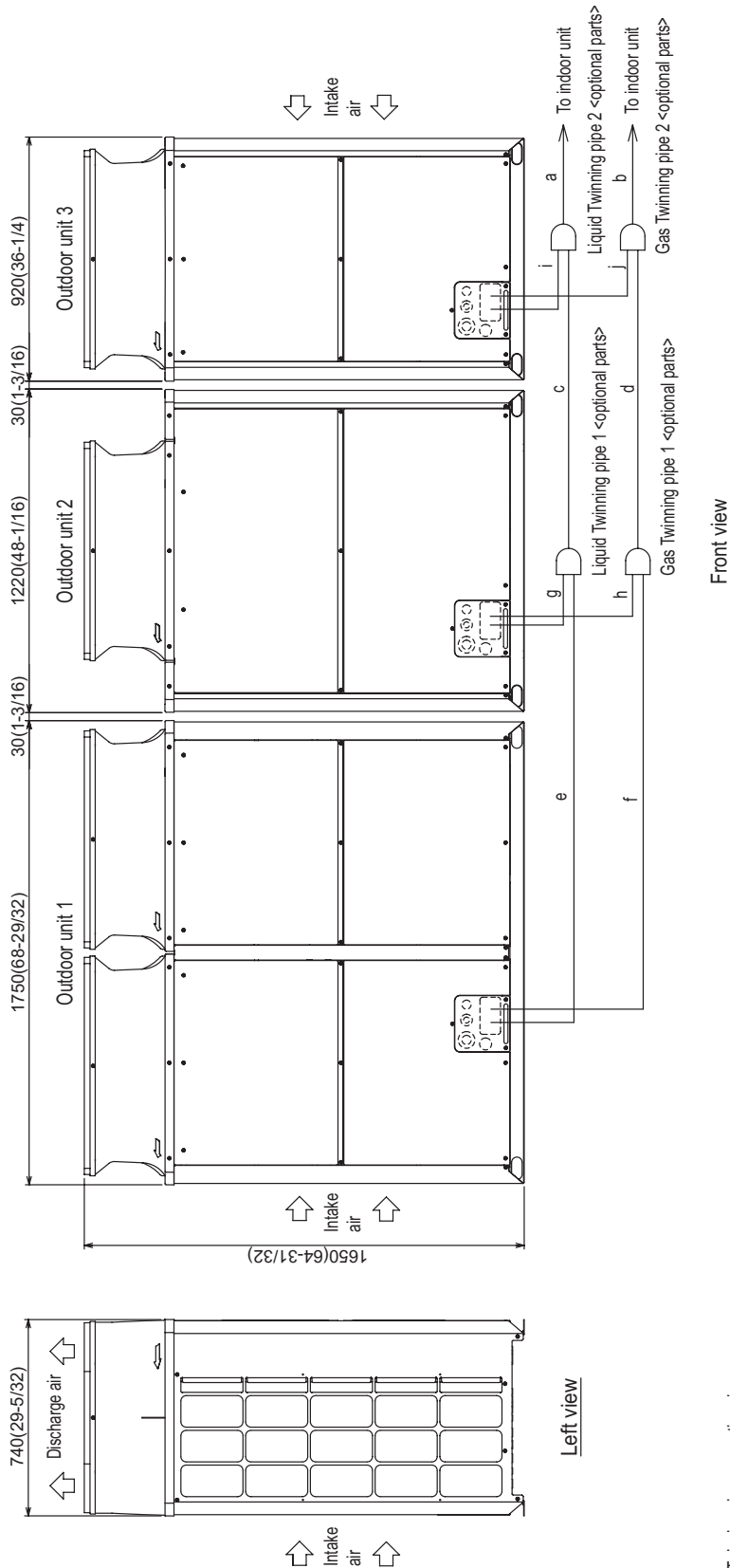
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P288TSKMU-A(-BS)

Unit : mm(in.)



Twinning pipe connection size

Package unit name		PUHY-P288TSKMU-A(-BS)	
Component unit name	Outdoor unit 1	PUHY-P288TSKMU-A(-BS)	
	Outdoor unit 2	PUHY-P96TSKMU-A(-BS)	
Outdoor Twinning Kit(optional parts)	Outdoor unit 3	PUHY-P72TSKMU-A(-BS)	
	Indoor unit~ Twinning pipe 2	CMY-Y300CBK2	
Twinning pipe 1~Twinning pipe 2	Liquid	a	ø19.05(3/4)
	Gas	b	ø34.93(1-3/8)
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05(3/4)
	Gas	d	ø34.93(1-3/8)

Twinning pipe-Outdoor unit	Unit model	Liquid	Gas
	P72	ø9.52(3/8)	ø22.2(7/8)
	P96	ø9.52(3/8)	ø22.2(7/8)
Twinning pipe-Outdoor unit	P120	ø12.7(1/2)	ø28.58(1-1/8)

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

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

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

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

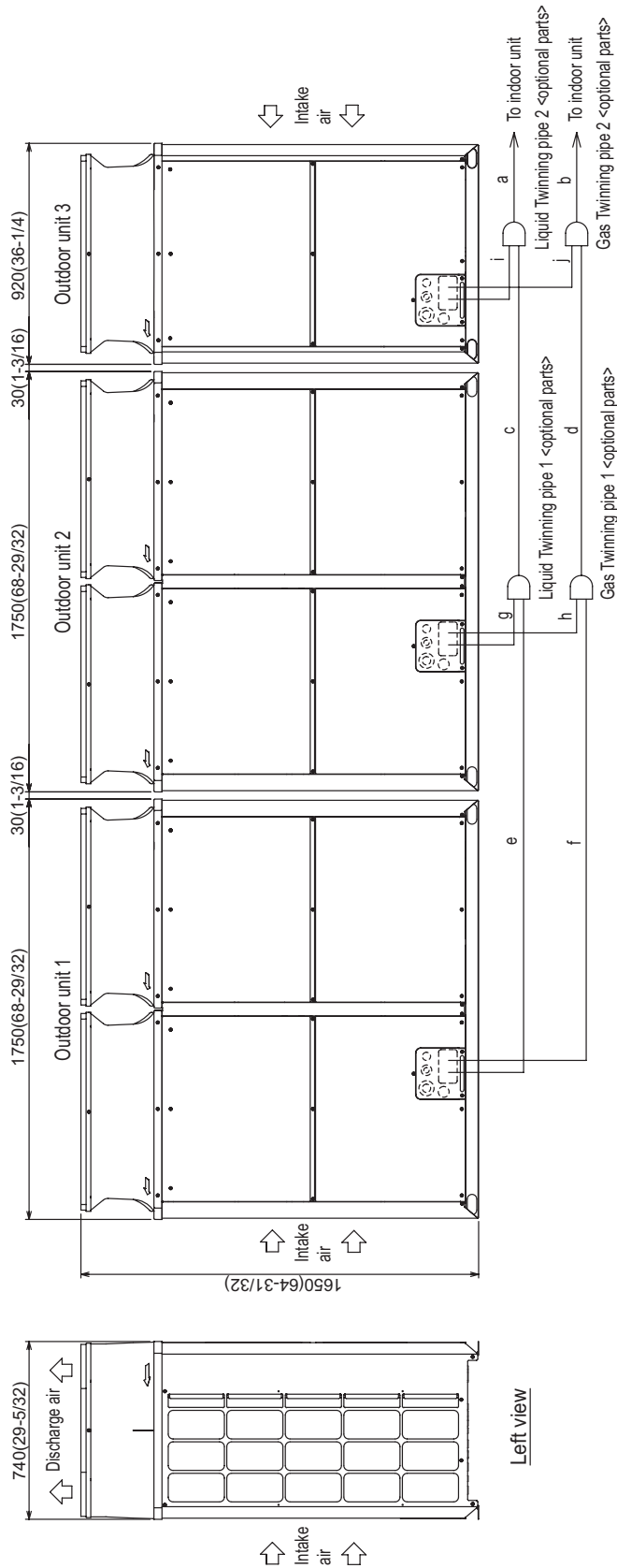
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P312TSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-P312TSKMU-A(-BS)
Outdoor unit 1	PUHY-P120TKMU-A(-BS)
Outdoor unit 2	PUHY-P120TKMU-A(-BS)
Outdoor unit 3	PUHY-P120TKMU-A(-BS)
Outdoor Twinning Kit(optional parts)	ONY-Y300GBK2
Indoor unit-Twinning pipe 2	Liquid a ø19.05(3/4)
	Gas b ø34.93(1-3/8)
Twinning pipe 1-Twinning pipe 2	Liquid c ø19.05(3/4)
	Gas d ø34.93(1-3/8)

Twinning pipe-Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
P72	P72	ø9.52(3/8)	ø22.2(7/8)
P120	P120	ø12.7(1/2)	ø28.58(1-1/8)

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

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

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

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

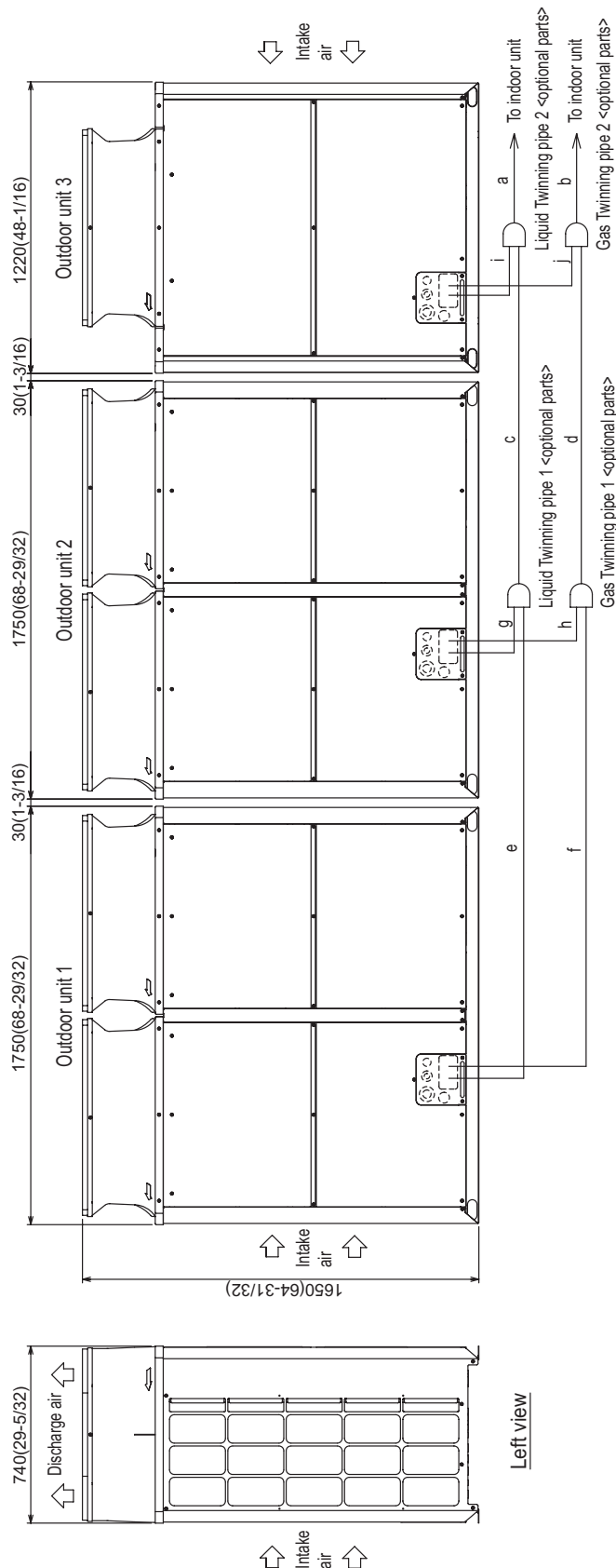
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P336TSKMU-A(-BS)

Unit : mm(in.)



Front view

Twinning pipe connection size

Package unit name		PUHY-P336TSKMU-A(-BS)	
Component unit name	Outdoor unit 1	PUHY-P120TKMU-A(-BS)	
	Outdoor unit 2	PUHY-P120TKMU-A(-BS)	
Outdoor Twinning Kit(optional parts)	Outdoor unit 3	PUHY-P86TKMU-A(-BS)	
	Outdoor unit 3	CMY-Y300CBK2	
Indoor unit-Twinning pipe 2	Liquid a	ø19.05(3/4)	
	Gas b	ø41.28(1-5/8)	
Twinning pipe 1-Twinning pipe 2	Liquid c	ø19.05(3/4)	
	Gas d	ø34.93(1-3/8)	

Twinning pipe-Outdoor unit	Unit model	Liquid e or g or i	Gas for h or j
P96	P96	ø9.52(3/8)	ø22.2(7/8)
P120	P120	ø12.7(1/2)	ø29.58(1-1/8)

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

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

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

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

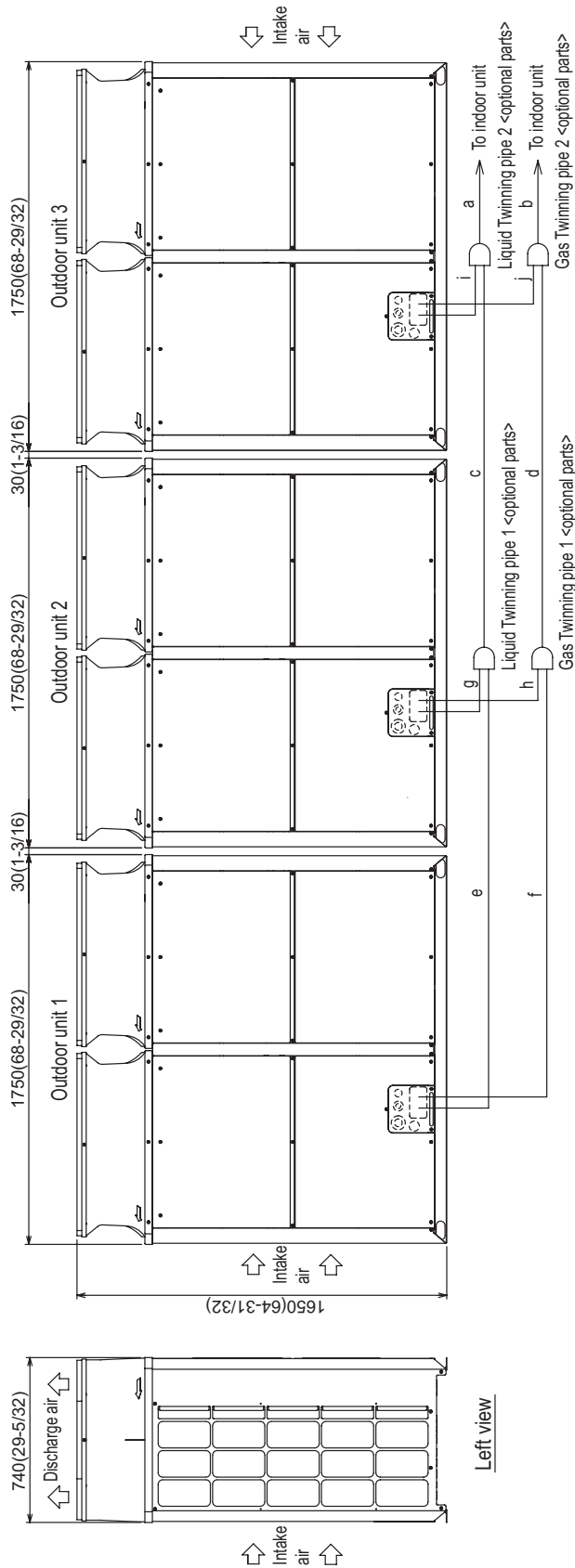
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P360TSKMU-A-(BS)

Unit : mm(in.)



Front view

Twinning pipe connection size

Package unit name		PUHY-P360TSKMU-A-(BS)	
Component unit name	Outdoor unit 1	PUHY-P120TKMU-A-(BS)	
	Outdoor unit 2	PUHY-P120TKMU-A-(BS)	
Outdoor Twinning Kit(optional parts)	Outdoor unit 3	PUHY-P120TKMU-A-(BS)	
	CMY-Y300CBK2		
Indoor unit-Twinning pipe 2	Liquid a	ø19.05(3/4)	
	Gas b	ø41.28(1-5/8)	
Twinning pipe 1-Twinning pipe 2	Liquid c	ø19.05(3/4)	
	Gas d	ø34.93(1-3/8)	

Twinning pipe-Outdoor unit	Unit model	Liquid e or g or i	Gas f or h or j
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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

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

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

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

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

2. EXTERNAL DIMENSIONS

PUHY-P72YKMU-A(-BS)

Unit : mm(in.)

Note1. 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).

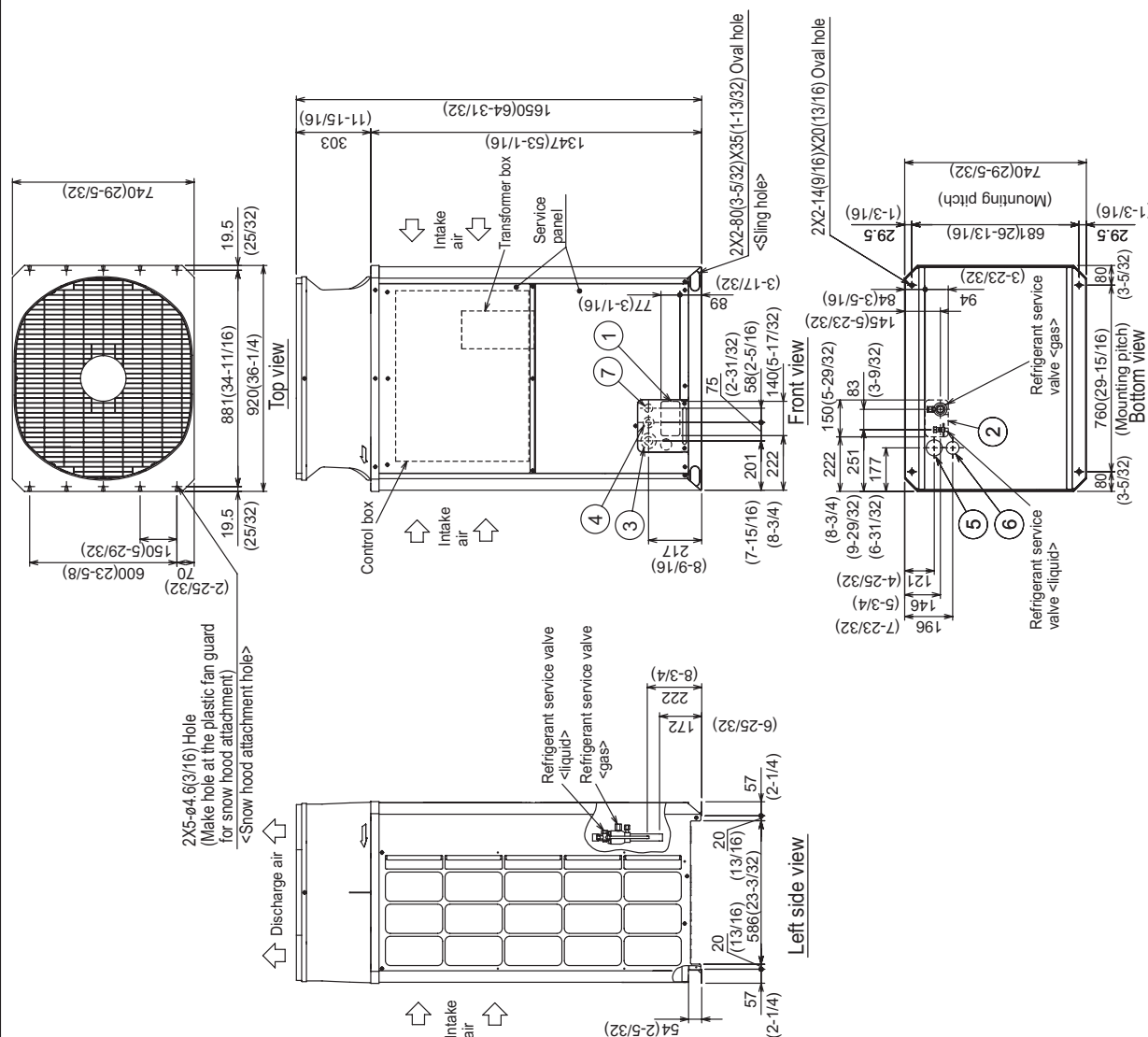
Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P72YKMU	ø9.52 Braze (3/8) *1	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	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	Bottom through hole	150 x 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	For transmission cables	Front through hole (1-11/32)



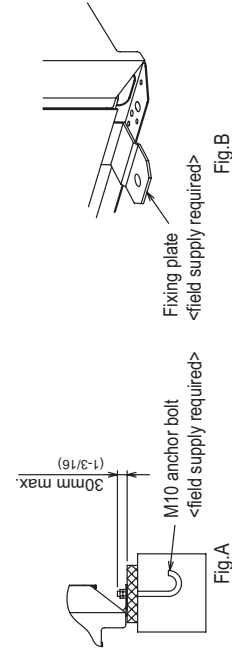
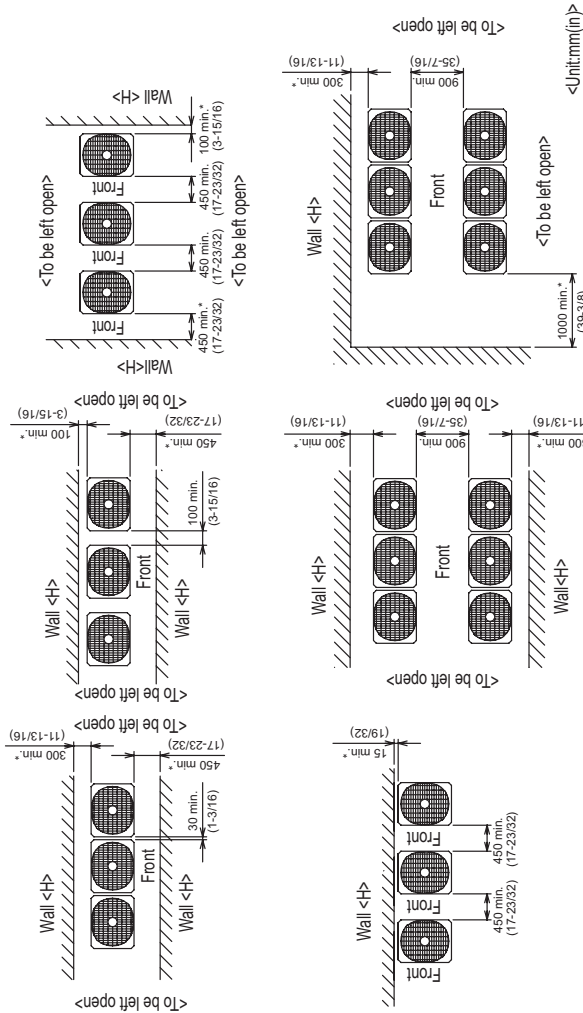
2. EXTERNAL DIMENSIONS

PUHY-P72YKMU-A(-BS)

Unit : mm(in.)

● In case of collective installation

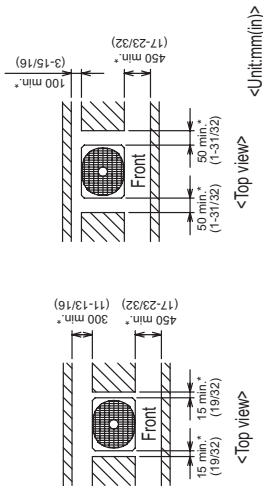
- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit<h> to 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 six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



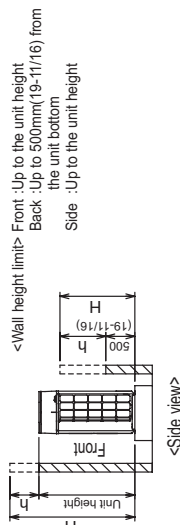
1. Required space around the unit

● In case of single installation

- Secure enough space around the unit as shown in the figure below.
- With a space of at least 100mm(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

PUHY-P96YKMU-A(-BS)

Unit : mm(in.)

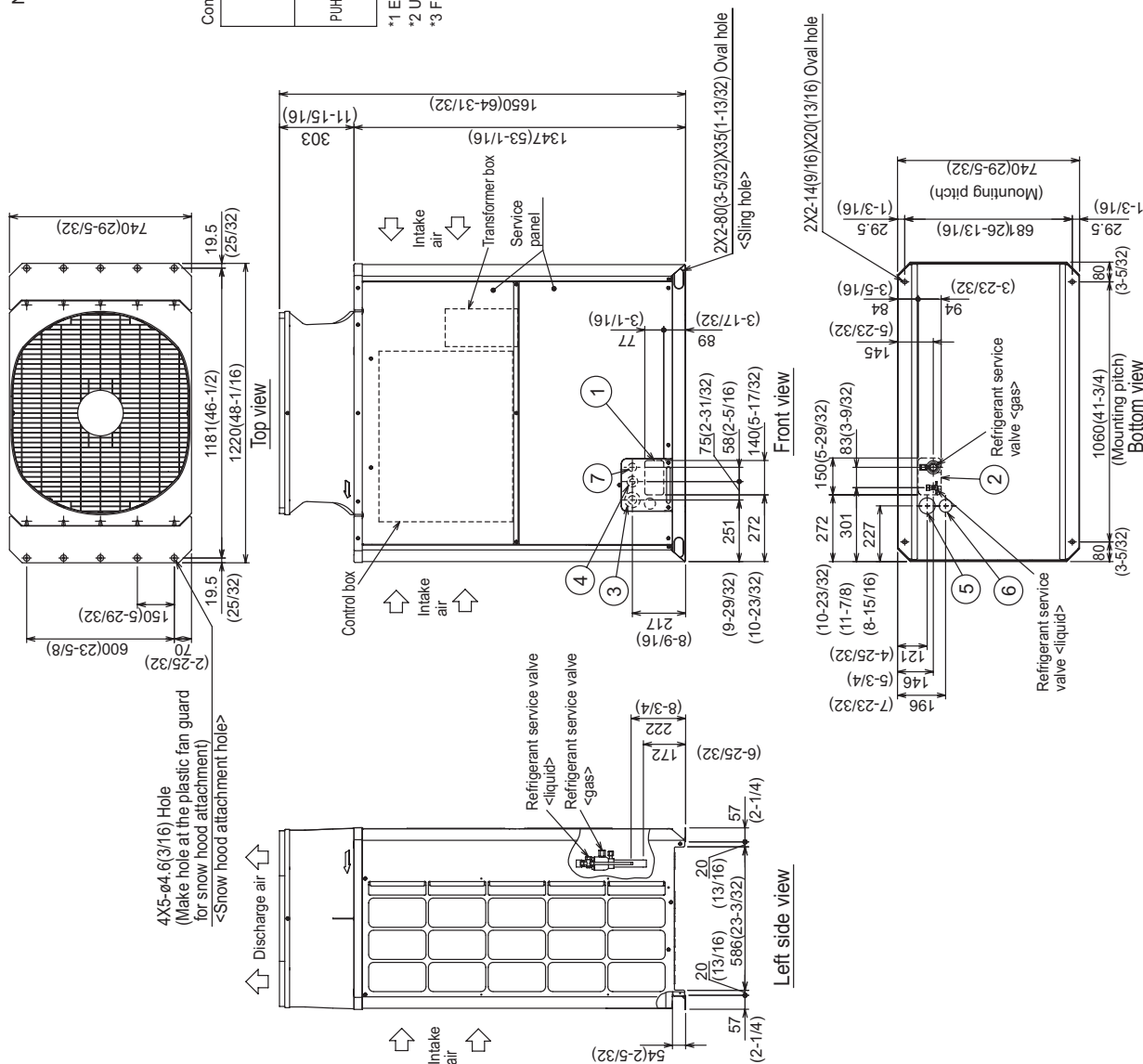
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes, wrap the refrigerant service valve 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	
	Liquid	Gas	Liquid	Gas
PUHY-P96YKMU	ø9.52 Braze (3/8) *1 (ø12.7 Braze) (1 1/2) *2 *3	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	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.
*3 Furthest piping length (OU from IU) ≤ 90m(295ft)

NO.	Usage	Specifications
①	For pipes	Front through hole 140 × 77 Knockout hole (5-17/32)(3-1/16)
②		Bottom through hole 150 × 94 Knockout hole (5-29/32)(3-23/32)
③	For wires	Front through hole ø62.7 or ø34.5 Knockout hole (2-15/32)(1-3/8)
④		Front through hole ø43.7 or ø22.2 Knockout hole (1-3/4)(7/8)
⑤		Bottom through hole ø65 Knockout hole (2-9/16)
⑥		Bottom through hole ø52 Knockout hole (2-1/16)
⑦	For transmission cables	Front through hole ø34 Knockout hole (1-11/32)



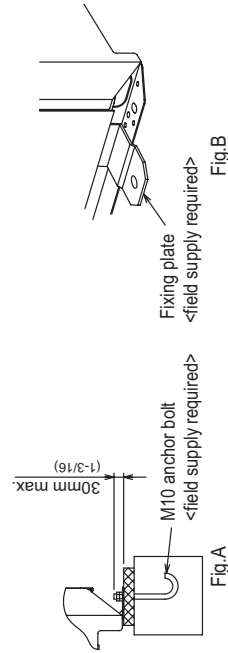
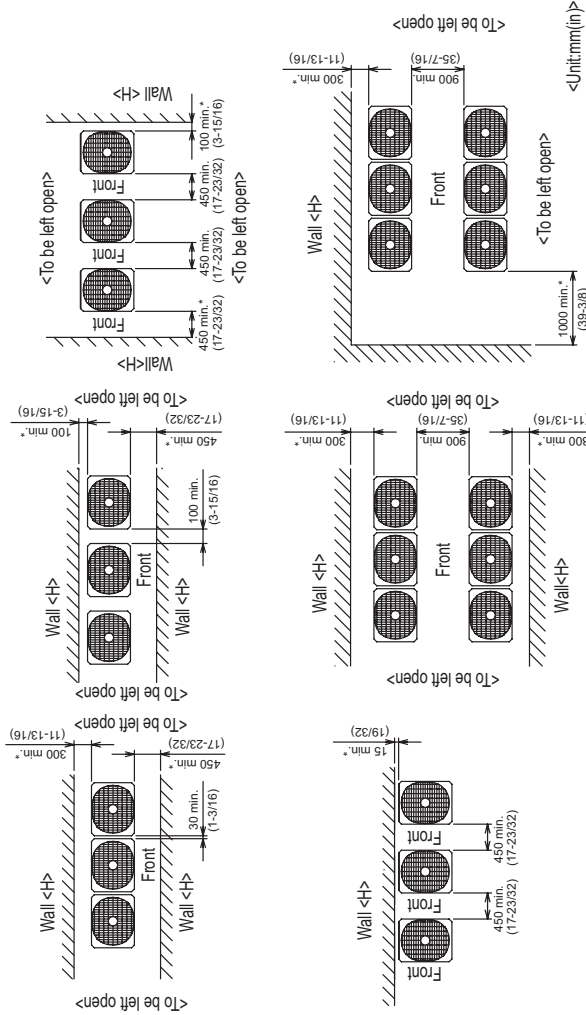
2. EXTERNAL DIMENSIONS

PUHY-P96YKMU-A(-BS)

Unit : mm(in.)

● In case of collective installation

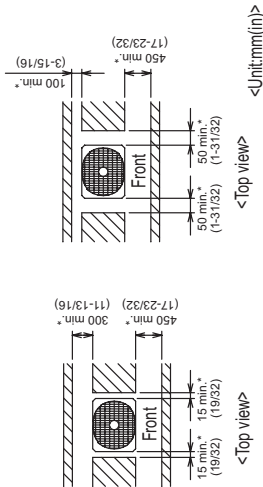
- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit<h> to 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 six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



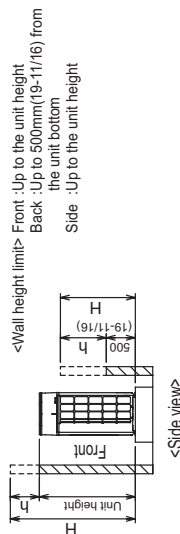
1. Required space around the unit

● In case of single installation

- Secure enough space around the unit as shown in the figure below.
- With a space of at least 100mm(3-15/16) 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.
- 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

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

Unit : mm(in.)

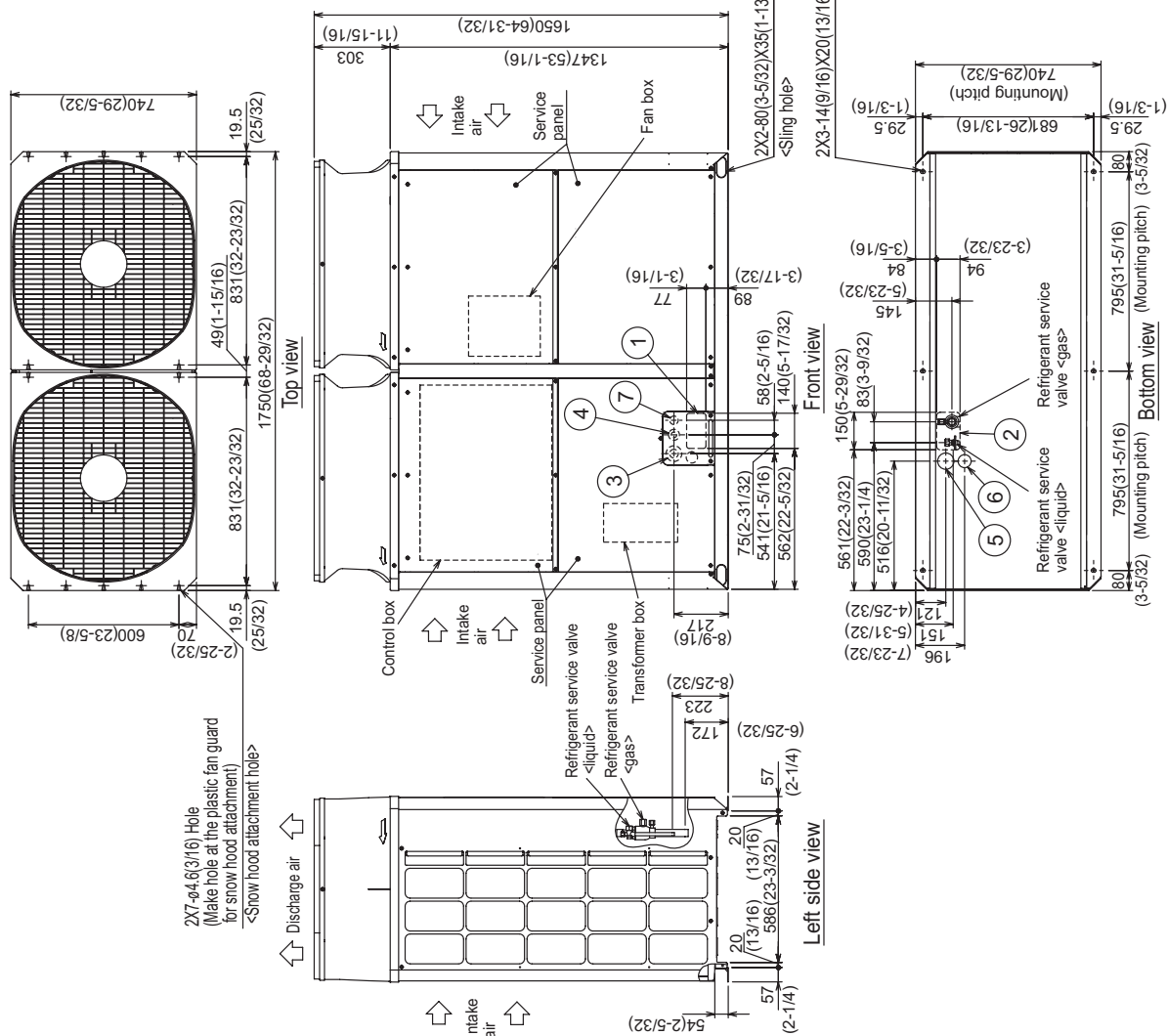
Note1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.

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	
	Liquid	Gas	Liquid	Gas
PUHY-P120YKMU	ø9.52 Braze (3/8)"*2 (ø12.7 Braze) (1/2)"*1*3*4	ø28.58 Braze (1-1/8)"*2	ø12.7 (1/2)"	ø28.58 (1-1/8)"
PUHY-P144YKMU	ø12.7 Braze (1/2)"*1			

- *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.
 *3 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
 *4 Furthest piping length (OU from IU) ≒ 40m(131ft)



NO	Usage	Specifications
①	Front through hole	140 × 77 Knockout hole (5-17/32) (3-17/16)
②	Bottom through hole	150 × 94 Knockout hole (5-29/32) (3-23/32)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)

2. EXTERNAL DIMENSIONS

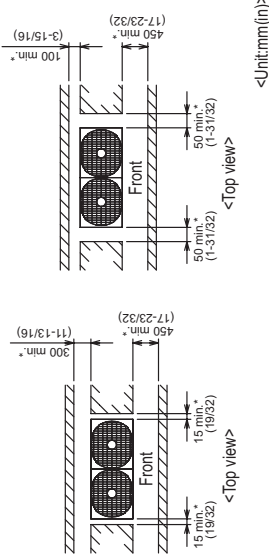
PUHY-P120,144YKMU-A(-BS)

Unit : mm(in.)

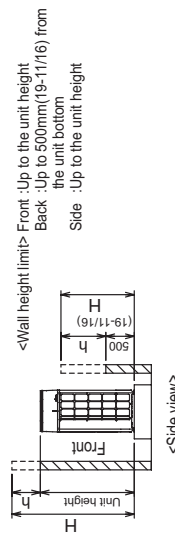
1. Required space around the unit

● In case of single installation

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

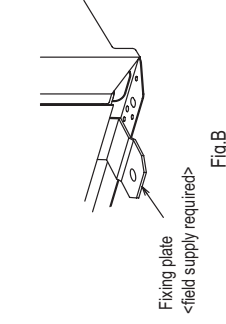
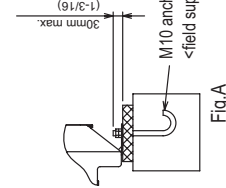


- ② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



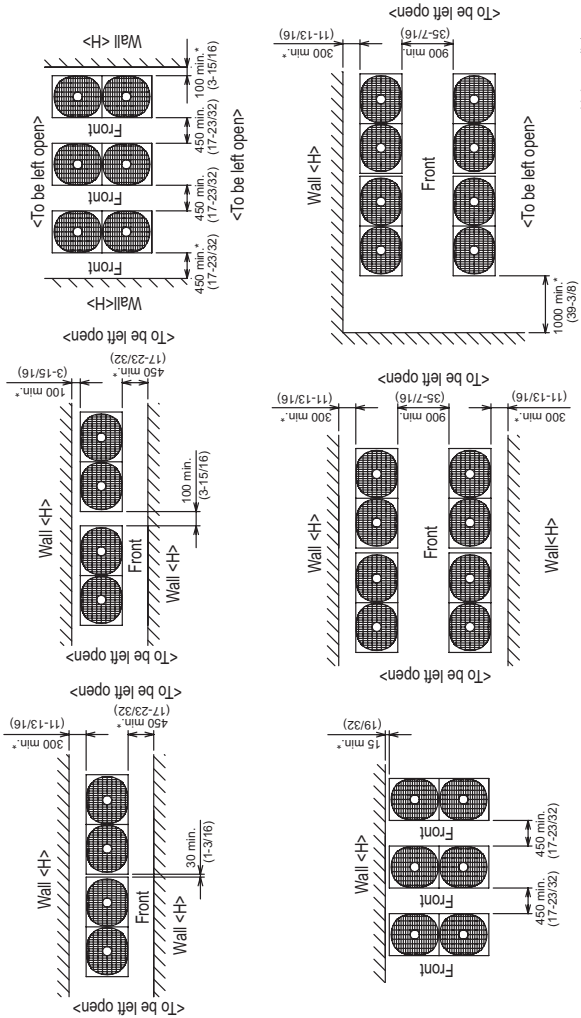
2. Foundation work

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



● In case of collective installation

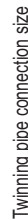
- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <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 three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.



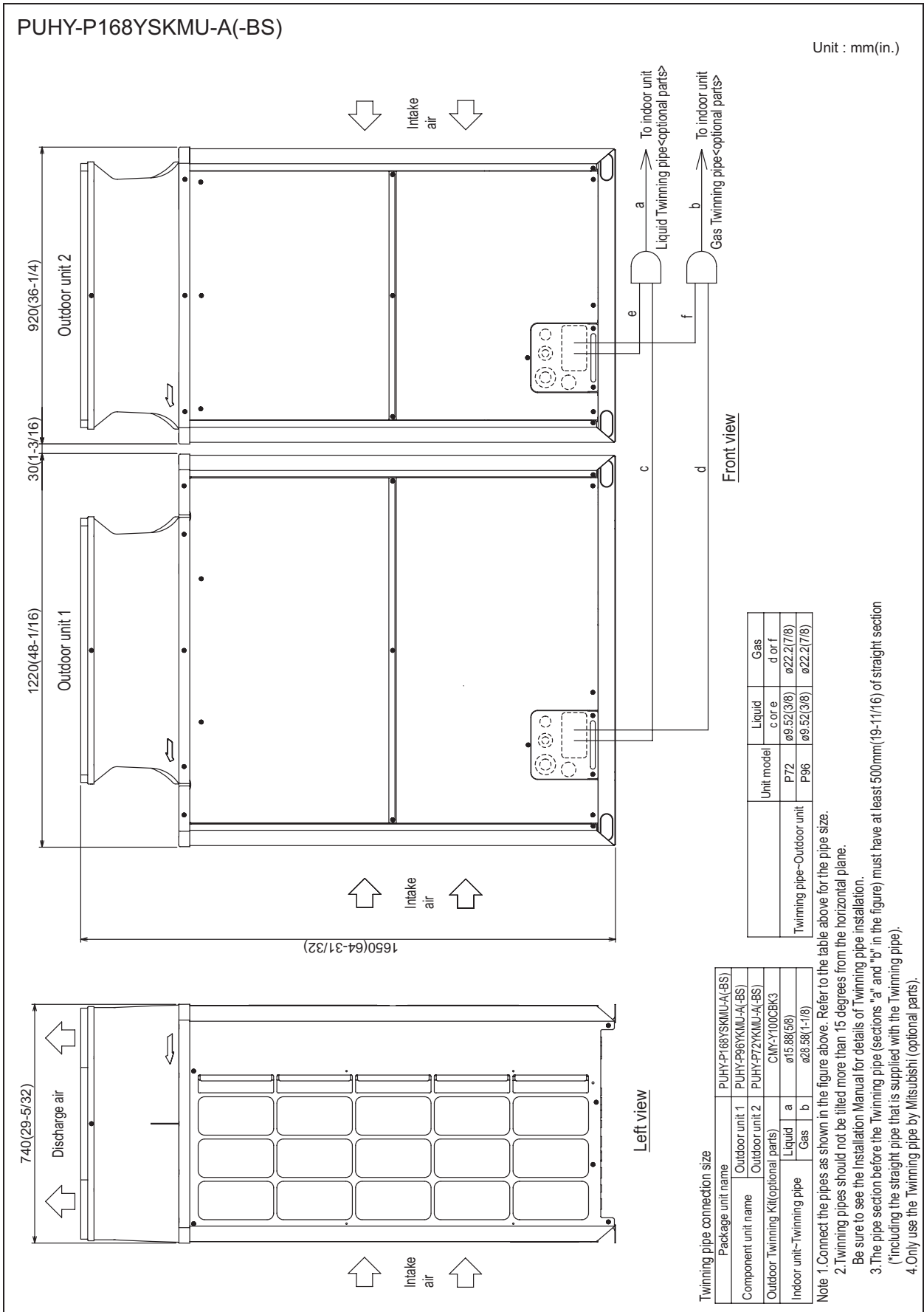
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PUHY-P-T(S)KMU-A,-Y(S)KMU-A (October 2016)

Y-47



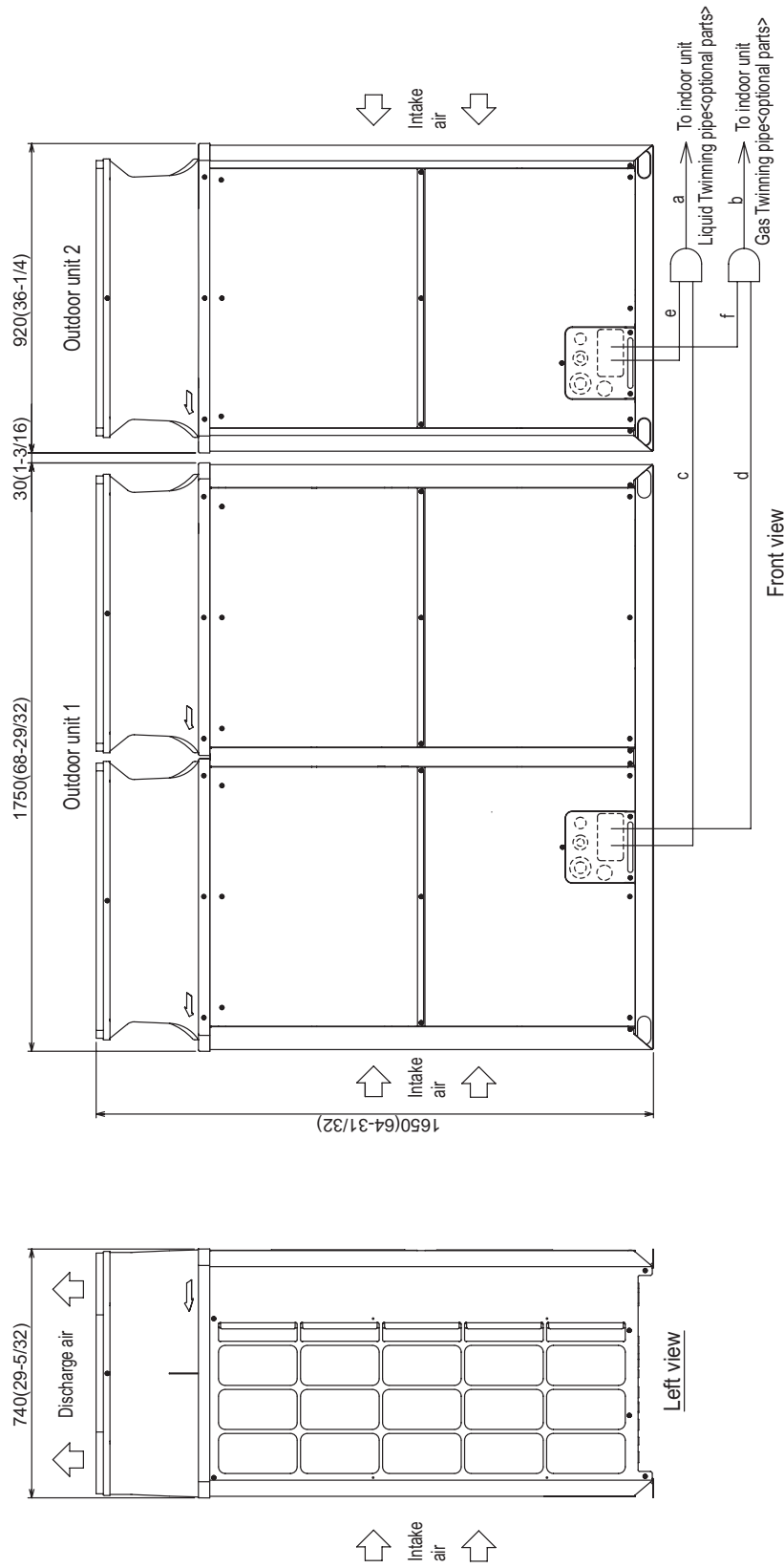
2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS

PUHY-P192YSKMU-A(-BS)

Unit : mm(in.)

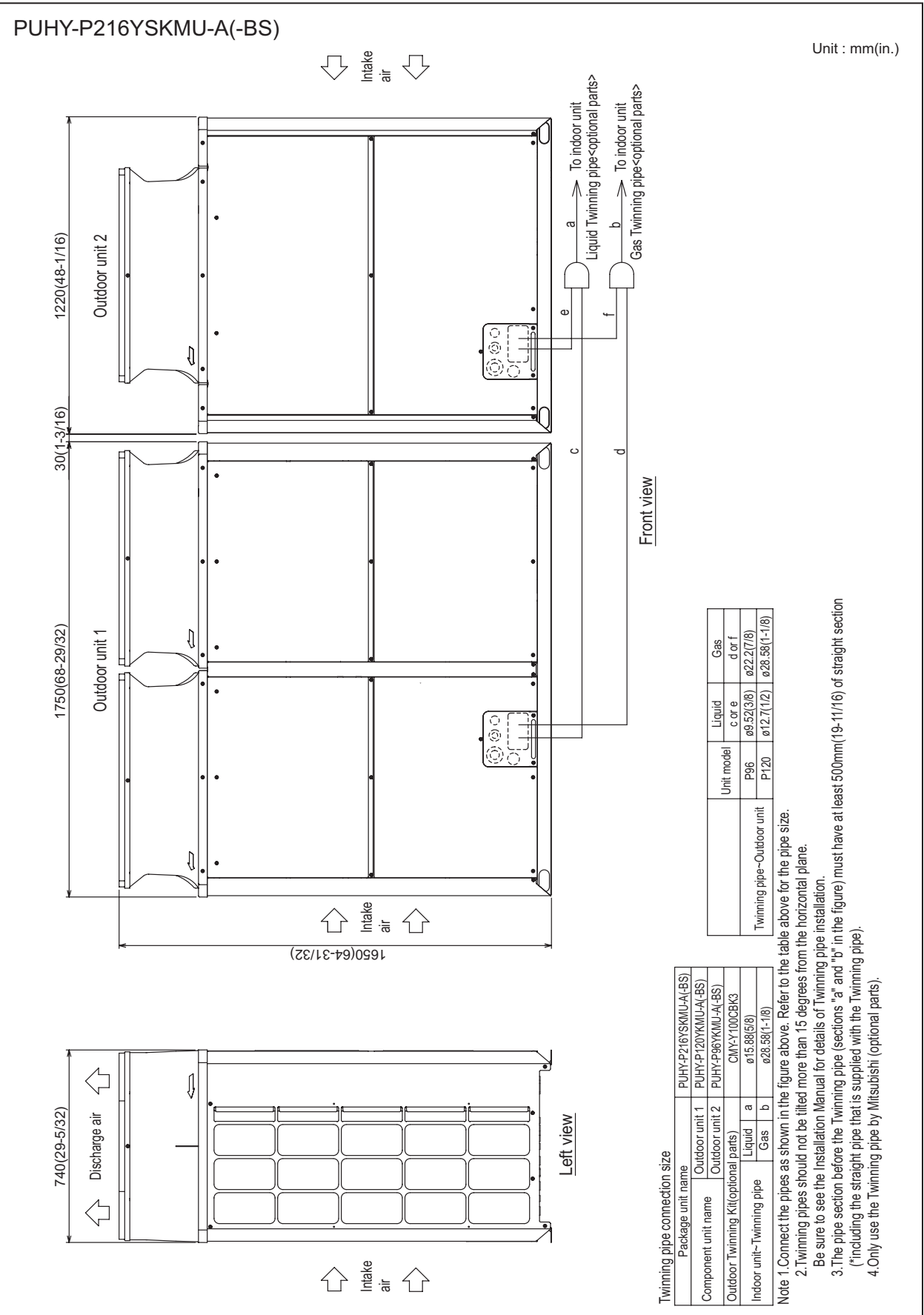


Unit model	Liquid	Gas
P72	c or e ø9.52(3/8)	d or f ø22.2(7/8)
P120	ø12.7(1/2)	ø28.58(1-1/8)

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

Package unit name	PUHY-P192YSKMU-A(-BS)
Component unit name	Outdoor unit 1 PUHY-P120YKMU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3
Indoor unit-Twinning pipe	Liquid a ø15.88(5/8)
	Gas b ø28.58(1-1/8)

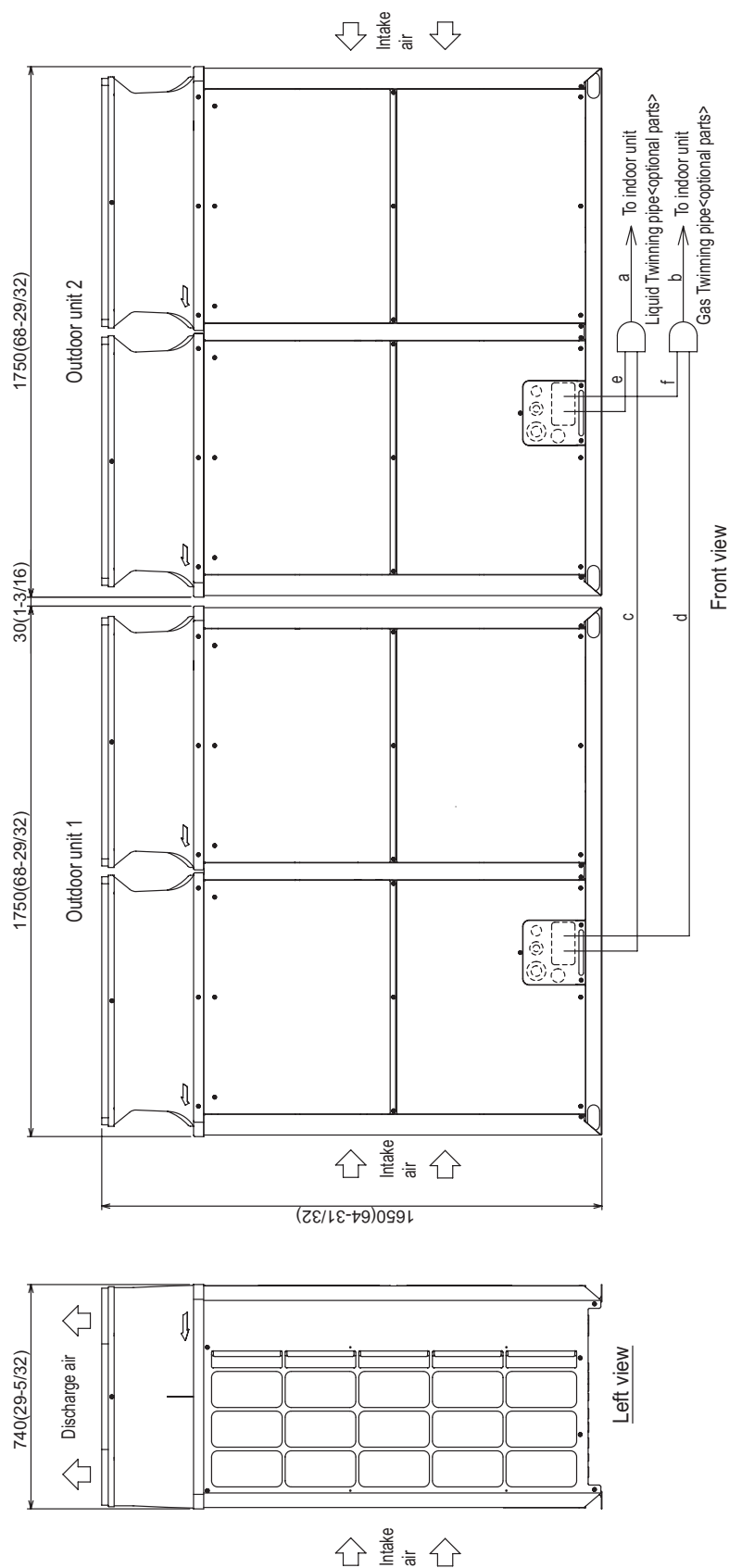
2. EXTERNAL DIMENSIONS



2. EXTERNAL DIMENSIONS

PUHY-P240YSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size		
Package unit name	PUHY2P20Y(KSMU-A)-(BS)	
Component unit name	Outdoor unit 1	PUHY2P120Y(KMU-A)-(BS)
	Outdoor unit 2	PUHY2P120Y(KMU-A)-(BS)
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3	
Indoor unit-Twinning pipe	Liquid a	ø15.88(5/8)
	Gas b	ø28.58(1 1/8)

	Unit model	Liquid	Gas
		core	d or f
Twinning pipe-Outdoor unit	P120	ø12.7(1/2)	ø28.58(1-1/8)

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

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

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

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

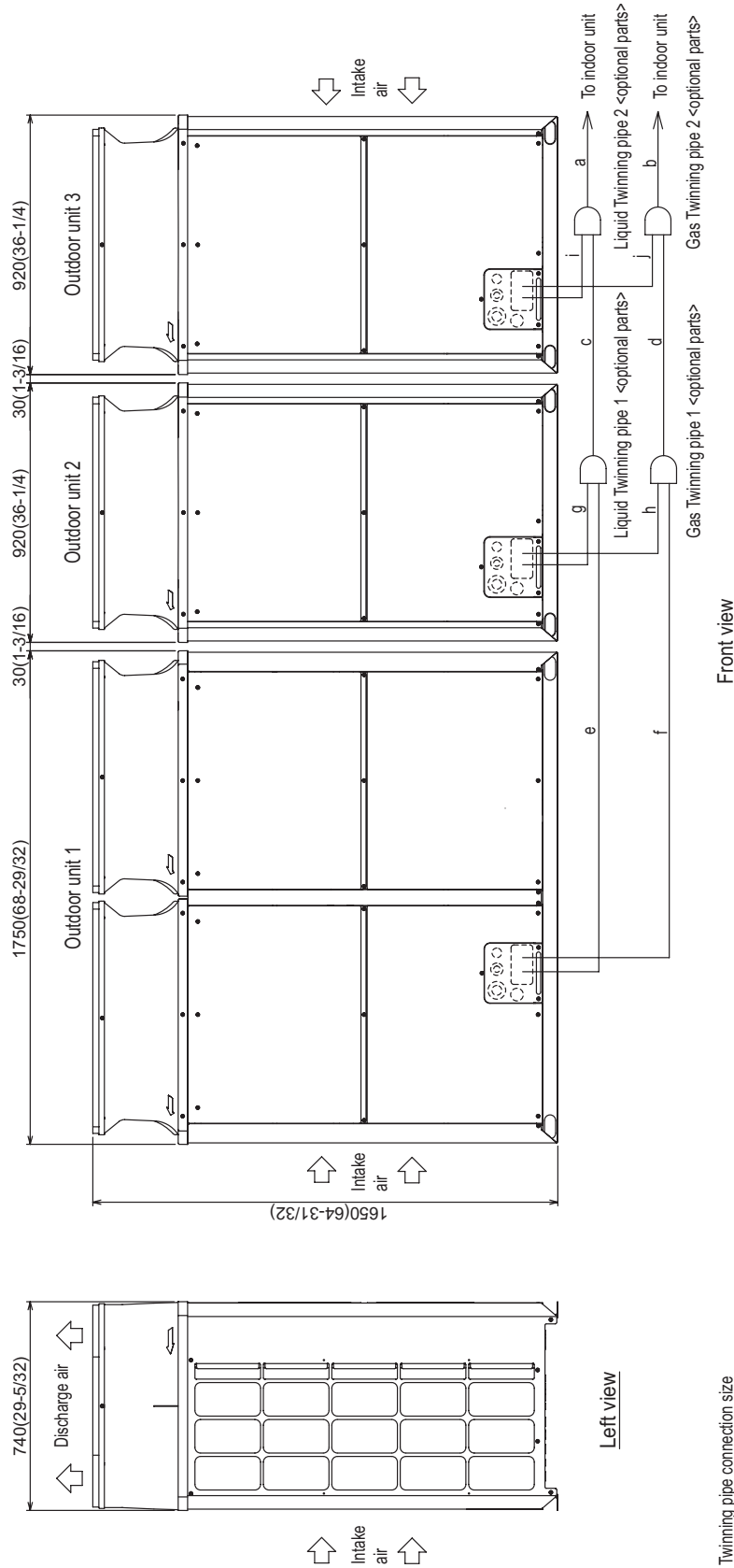
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P264YSKMU-A(-BS)

Unit : mm(in.)



Twinning pipe connection size

Package unit name		PUHY-P264YSKMU-A(-BS)	
Component unit name		Outdoor unit 1	PUHY-P120YKMU-A(-BS)
		Outdoor unit 2	PUHY-P72YKMU-A(-BS)
		Outdoor unit 3	PUHY-P72YKMU-A(-BS)
Outdoor Twinning Kit(optional parts)		CNY-X300CBK2	
Indoor unit-Twinning pipe 2		Liquid	a
		Gas	b
Twinning pipe 1-Twinning pipe 2		Liquid	c
		Gas	d

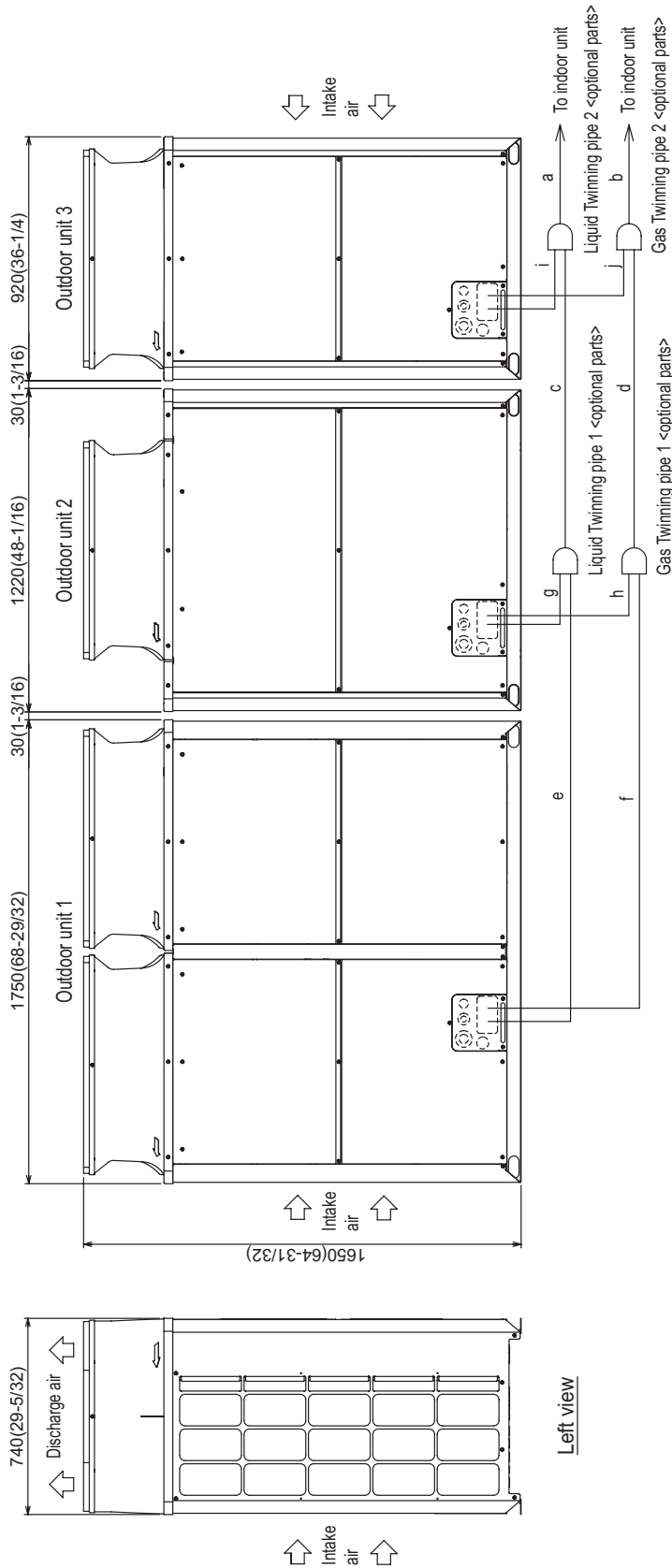
Unit model		Liquid	Gas
Twinning pipe-Outdoor unit		e or g or i	f or h or j
		P72	ø9.52(3/8)
		P120	ø12.7(1/2)
			ø22.2(7/8)
			ø28.58(1-1/8)

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

2. EXTERNAL DIMENSIONS

PUHY-P288YSKMU-A(-BS)

Unit : mm(in.)



Front view

Twinning pipe connection size

Package unit name		PUHY-P288YSKMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P120YKMU-A(-BS)
	Outdoor unit 2	PUHY-P88YKMU-A(-BS)
Outdoor Twinning Kit (optional parts)	Outdoor unit 3	PUHY-P72YKMU-A(-BS)
	Indoor unit ~ Twinning pipe 2	CMV-Y300CBK2
Twinning pipe 1 ~ Twinning pipe 2	Liquid a	ø19.05(3/4)
	Gas b	ø34.93(1-3/8)
	Liquid c	ø19.05(3/4)
	Gas d	ø34.93(1-3/8)

Unit model	Liquid e or g or i	Gas for h or j
P72	ø9.52(3/8)	ø22.2(7/8)
P96	ø9.52(3/8)	ø22.2(7/8)
P120	ø12.7(1/2)	ø28.58(1-1/8)

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

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

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

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

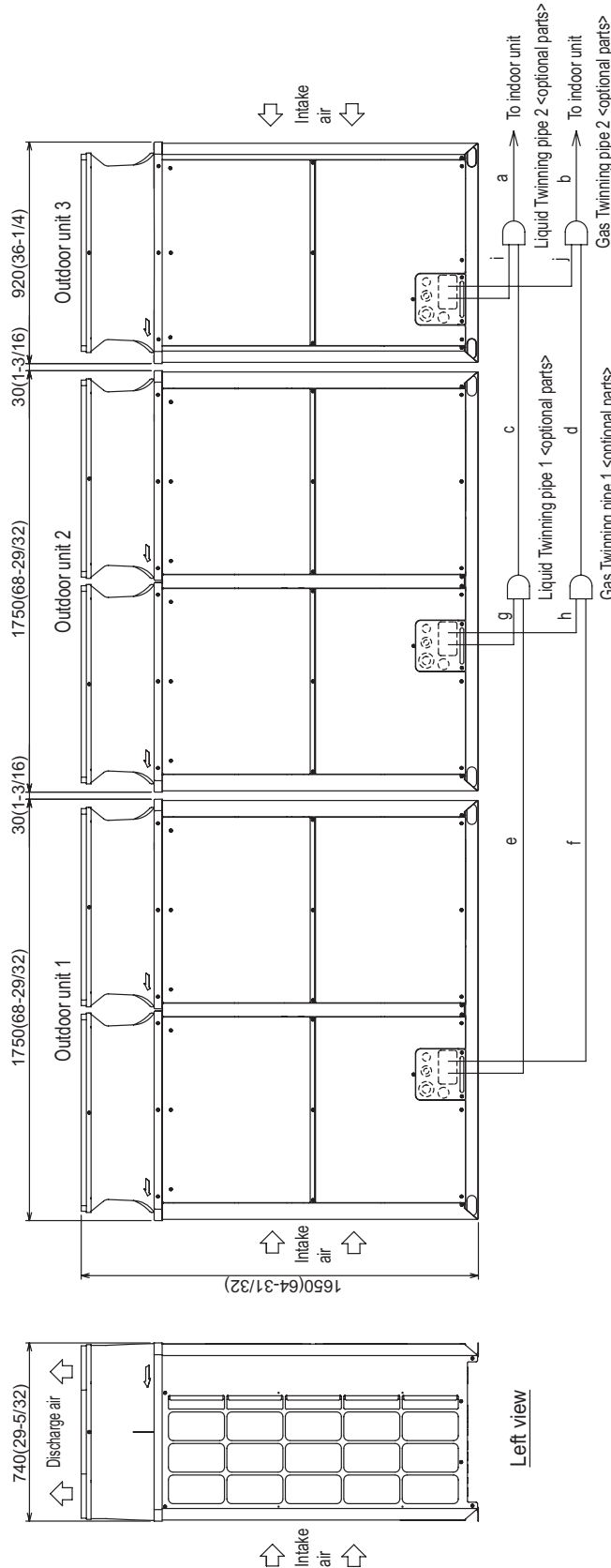
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P312YSKMU-A(-BS)

Unit : mm(in.)



Front view

Twinning pipe connection size		PUHY-P312YSKMU-A(-BS)
Package unit name		PUHY-P312YSKMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P20YKMU-A(-BS)
	Outdoor unit 2	PUHY-P20YKMU-A(-BS)
	Outdoor unit 3	PUHY-P20YKMU-A(-BS)
Outdoor Twinning Kit (optional parts)		CMY-Y300CBK2
Indoor unit - Twinning pipe 2	Liquid a	ø19.05(3/4)
	Gas b	ø34.93(1-3/8)
Twinning pipe 1 - Twinning pipe 2	Liquid c	ø19.05(3/4)
	Gas d	ø34.93(1-3/8)

Twinning pipe-Outdoor unit	Unit model		Gas	
	Liquid e or f or i		f or h or j	
P72	ø9.52(3/8)		ø22.2(7/8)	
P120	ø12.7(1/2)		ø28.58(1-1/8)	

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

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

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

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

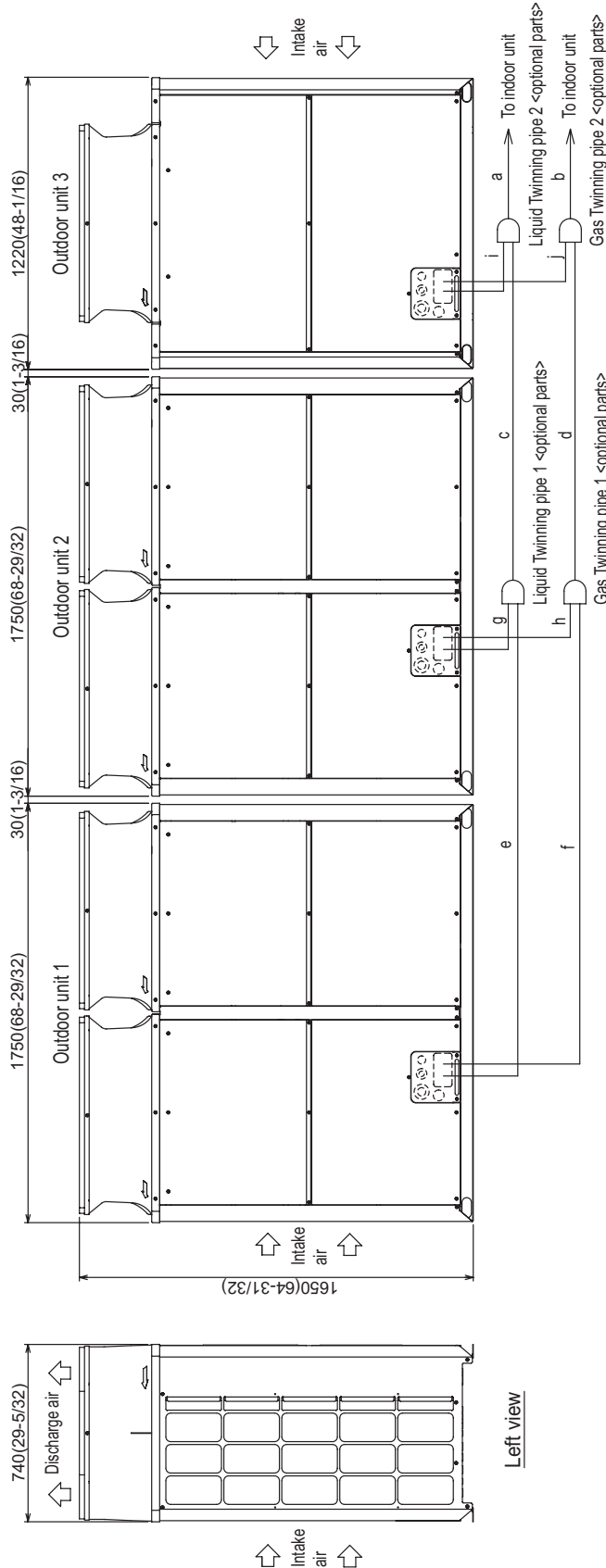
(*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P336YSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name		PUHY-P336YSKMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P120YKMU-A(-BS)
	Outdoor unit 2	PUHY-P120YKMU-A(-BS)
	Outdoor unit 3	PUHY-P98YKMU-A(-BS)
Outdoor Twinning Kit(optional parts)		CMY-Y300CBK2
Indoor unit~Twinning pipe 2	Liquid a	ø19.05(3/4)
	Gas b	ø41.28(1-5/8)
Twinning pipe 1~Twinning pipe 2	Liquid c	ø19.05(3/4)
	Gas d	ø34.93(1-3/8)

Twinning pipe-Outdoor unit	Unit model		Gas for h or j
	Liquid e or g or i	Gas f or h or j	
P96	ø9.52(3/8)	ø22.2(7/8)	
P120	ø12.7(1/2)	ø28.58(1-1/8)	

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

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

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

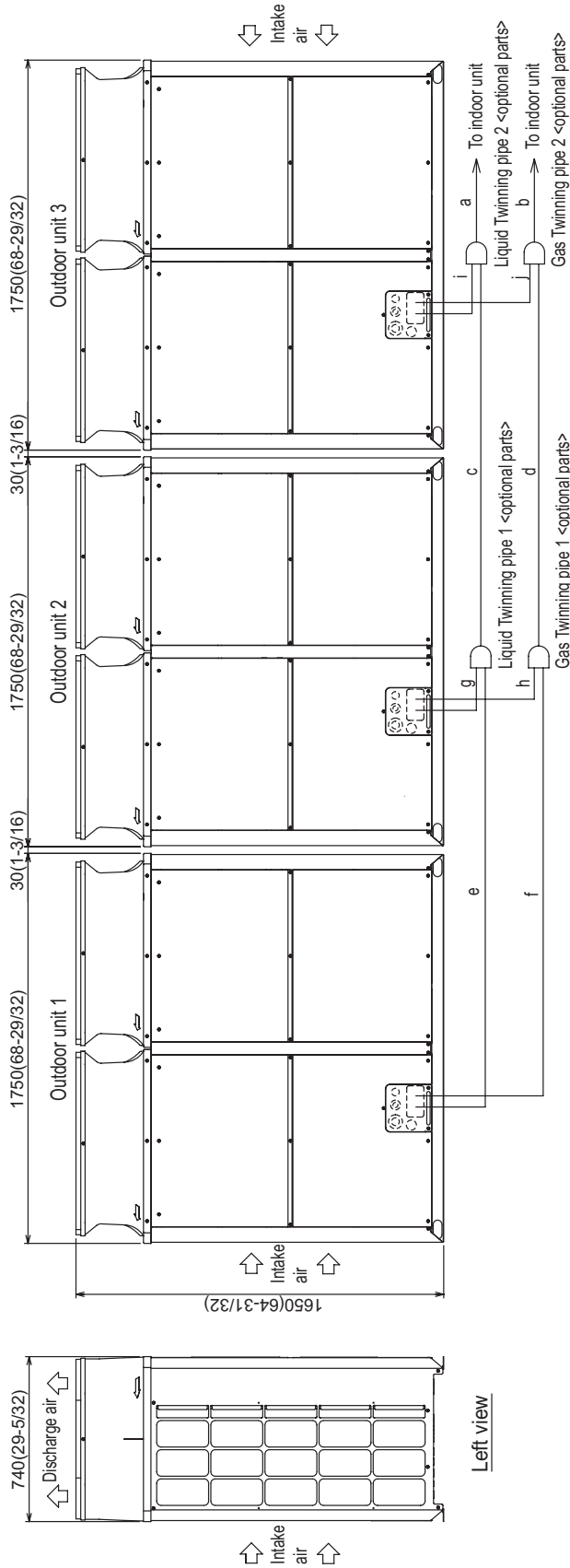
3. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm(19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).

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

2. EXTERNAL DIMENSIONS

PUHY-P360YSKMU-A(-BS)

Unit : mm(in.)



Front view

Left view

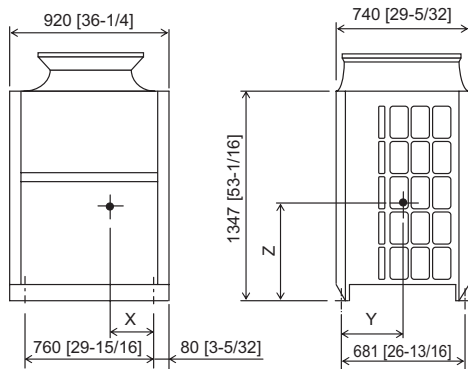
Twinning pipe connection size		PUHY-P360YSKMU-A(-BS)
Package unit name		PUHY-P360YSKMU-A(-BS)
Component unit name	Outdoor unit 1	PUHY-P120YKMU-A(-BS)
	Outdoor unit 2	PUHY-P120YKMU-A(-BS)
	Outdoor unit 3	PUHY-P120YKMU-A(-BS)
Outdoor Twinning Kit(optional parts)		CMY-Y300CBK2
Indoor unit~ Twinning pipe 2	Liquid	a
	Gas	b
	Liquid	c
Twinning pipe 1~ Twinning pipe 2	Liquid	d
	Gas	e

Unit model		Liquid	Gas
Twinning pipe- Outdoor unit		e or g or i	f or h or j
		ø12.7(1/2)	ø28.58(1-1/8)

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

3. CENTER OF GRAVITY

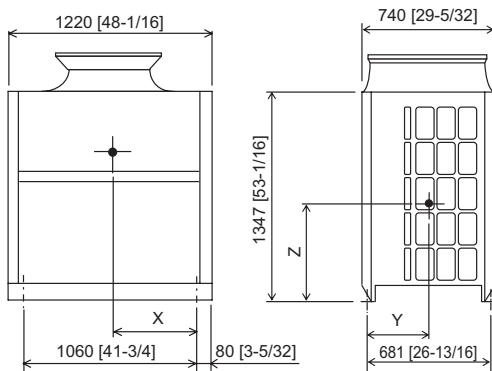
PUHY-P72TKMU-A (-BS)
PUHY-P72YKMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PUHY-P72TKMU-A(-BS)	322[12-11/16]	304[11-31/32]	629[24-25/32]
PUHY-P72YKMU-A(-BS)	327[12-7/8]	293[11-9/16]	644[25-3/8]

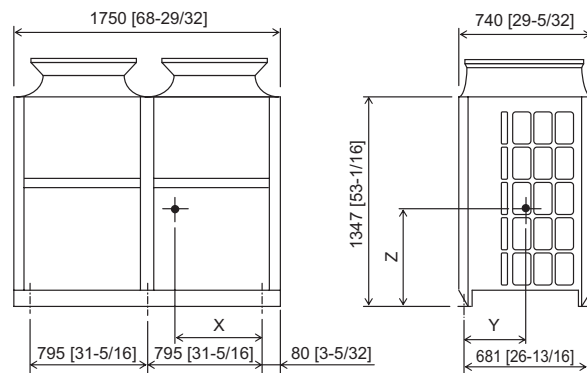
PUHY-P96TKMU-A (-BS)
PUHY-P96YKMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PUHY-P96TKMU-A(-BS)	444[17-1/2]	309[12-3/16]	593[23-3/8]
PUHY-P96YKMU-A(-BS)	432[17-1/32]	299[11-25/32]	608[23-15/16]

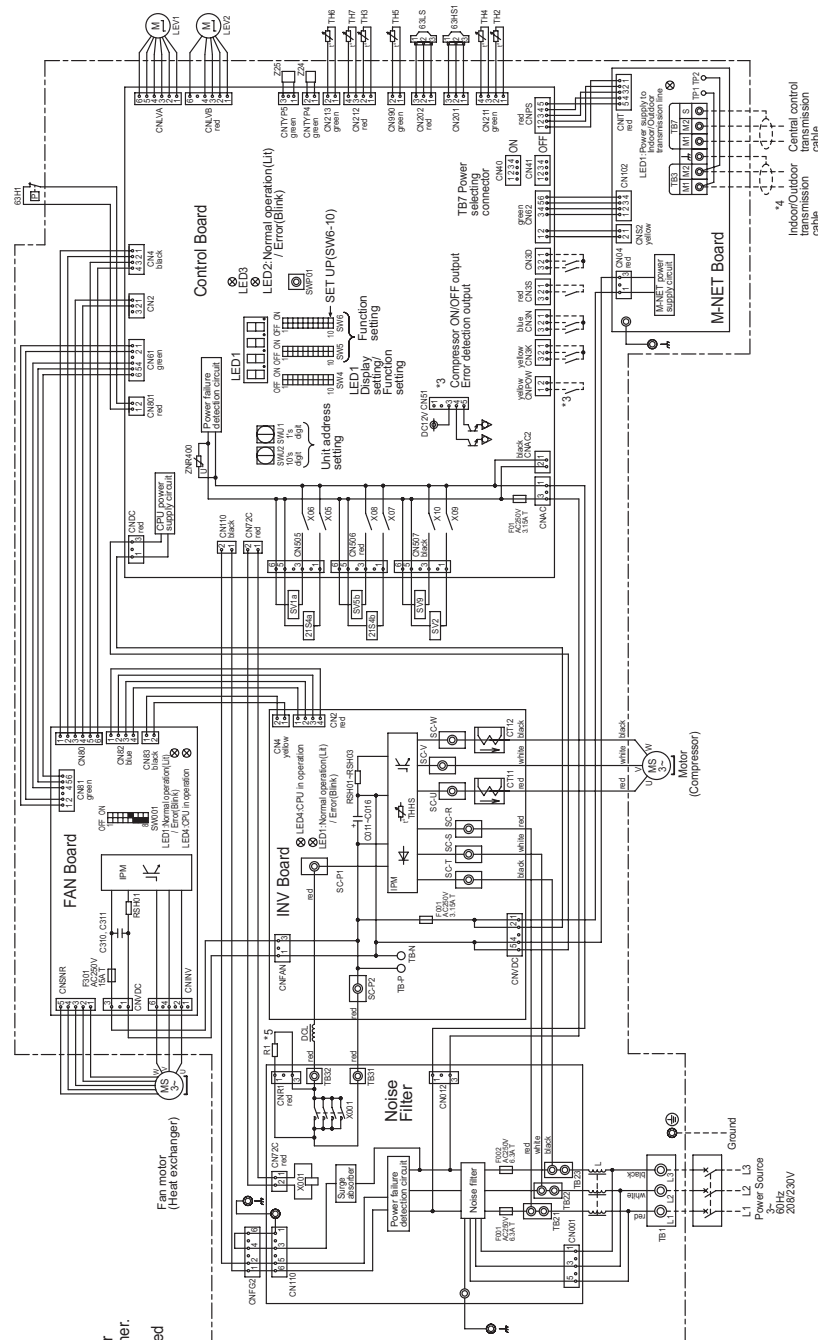
PUHY-P120, 144TKMU-A (-BS)
PUHY-P120, 144YKMU-A (-BS)



Unit : mm[in.]

Model	X	Y	Z
PUHY-P120TKMU-A(-BS)	688[27-3/32]	326[12-27/32]	652[25-11/16]
PUHY-P144TKMU-A(-BS)	688[27-3/32]	326[12-27/32]	652[25-11/16]
PUHY-P120YKMU-A(-BS)	722[28-7/16]	316[12-15/32]	638[25-1/8]
PUHY-P144YKMU-A(-BS)	722[28-7/16]	316[12-15/32]	638[25-1/8]

PUHY-P72TKMU-A(-BS)



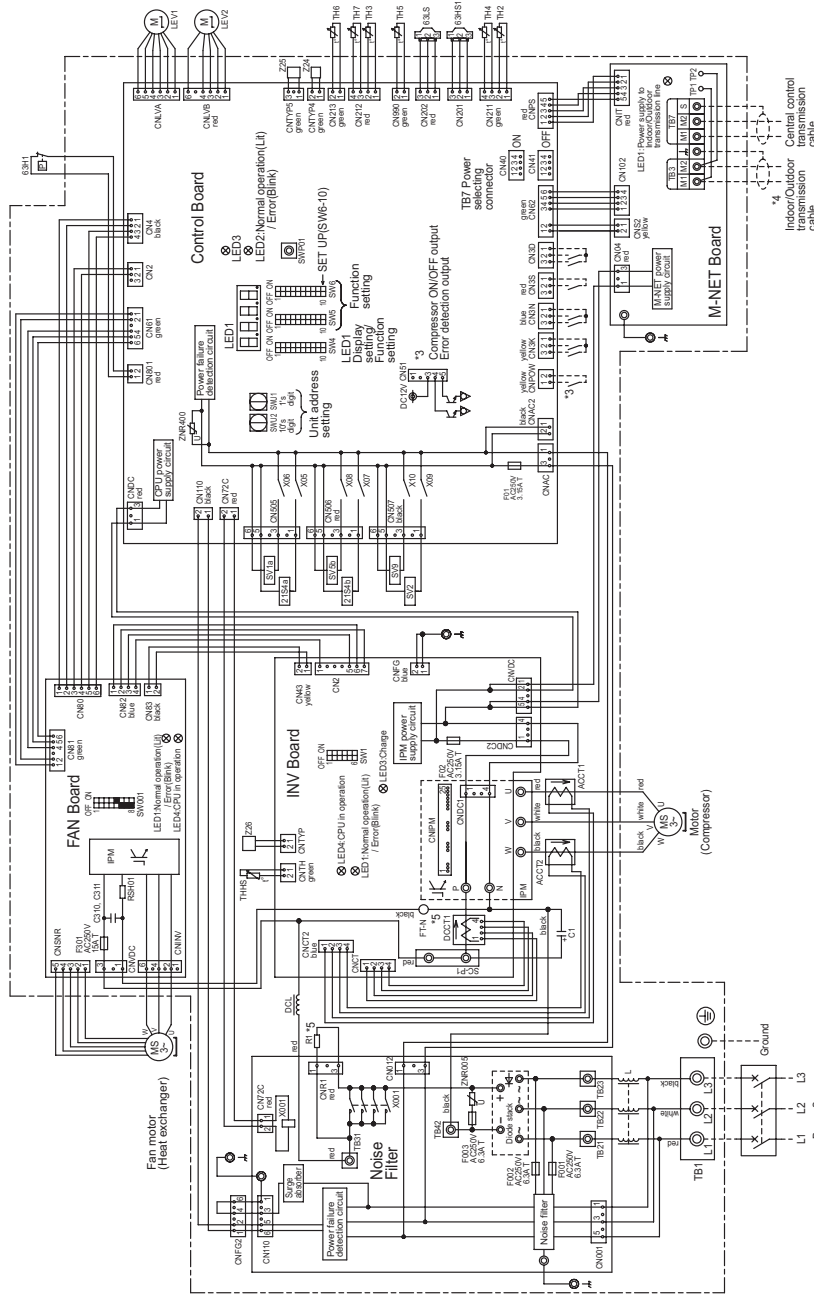
1. Single-dotted lines indicate wiring not supplied with the unit.
2. Dotted lines indicate the control box boundaries.
3. Refer to the Data book for connecting input/output signal connectors.
4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
5. Faston terminals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

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
21S46	4-way valve	SV2	Solenoid valve
21S46	Control switching	SV5b	For opening/closing the bypass
63H1	Heat exchanger capacity control	SV9	Outdoor unit heat exchanger capacity control
63H51	Pressure		
63H5	Discharge pressure		
63H5	Pressure		
C011-C016	Magnetic relay (inverter main circuit)/2C	TB1	Terminal block
CT11, 12	Capacitor (inverter main circuit)	TB3	Indoor/Outdoor transmission cable
DCL	Current sensor(AC)		
LEV1	DC reactor	TB7	Central control transmission cable
LEV2	Choke coil (for high frequency noise reduction)	TH2	Thermistor
LEV3	Pressure control, Refrigerant flow rate control	TH3	Thermistor (for indoor refrigerant flow in HAC circuit)
RS1	Pressure control, Refrigerant flow rate control	TH4	Pipe temperature
RS101-RS104	For rush current prevention	TH5	Discharge pipe temperature
RS101-RS103	For current detection	TH6	AC inlet pipe temperature
RS101-RS103	For current detection	TH7	Discharge liquid refrigerant temperature
SV1a	For opening/closing the bypass	TH8	OA temperature
			IPM temperature

4. ELECTRICAL WIRING DIAGRAMS

PUHY-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 remove them.
- *6 Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage at both ends of the main capacitor (C1) has dropped to DC20V or less.

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
21S4a	Cooling/heating switching	SV2	Solenoid valve
21S4b	Heat exchanger capacity control	SV5b	For opening/closing the discharge suction bypass
63H1	Pressure	SV9	For opening/closing the bypass
63HS1	Pressure sensor	SV9	For opening/closing the bypass
63LS	Low pressure	SV9	For opening/closing the bypass
X001	Magnetic relay (inverter main circuit) 2C	SV9	For opening/closing the bypass
ACCT1.2	Current sensor(AC)	SV9	For opening/closing the bypass
GCCT1	Capacitor (inverter DC)	SV9	For opening/closing the bypass
DCL	DC reactor	SV9	For opening/closing the bypass
Th3	Choke coil (for high frequency noise reduction)	SV9	For opening/closing the bypass
LEV1	Linear expansion valve	SV9	For opening/closing the bypass
LEV2	Linear expansion valve	SV9	For opening/closing the bypass
TH4	HIC bypass. Controls refrigerant flow in HIC circuit	SV9	For opening/closing the bypass
TH5	Refrigerant flow sensor	SV9	For opening/closing the bypass
TH6	Refrigerant flow sensor	SV9	For opening/closing the bypass
R1	Resistor	SV9	For opening/closing the bypass
RSH01	For current detection	SV9	For opening/closing the bypass
SV1a	Solenoid valve	SV9	For opening/closing the bypass
Z24, 25	Function setting connector	SV9	For opening/closing the bypass

Y-60

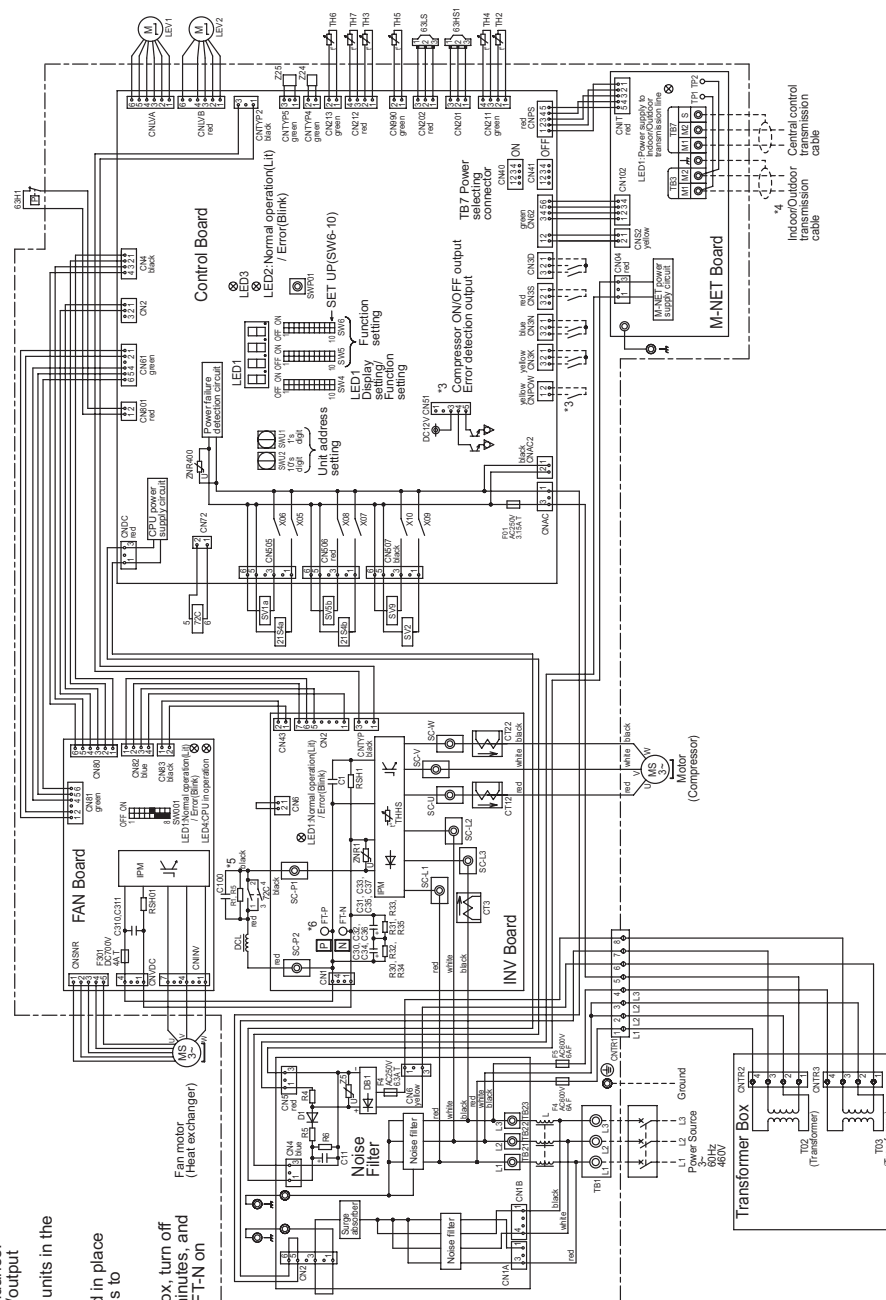
PUHY-P-T(S)KMU-A,-Y(S)KMU-A (October 2016)



<Symbol explanation>

Symbol	Explanation
21S4a	Cooling/heating switching
21S4b, c	Heat exchanger protection for the
63H1	High pressure protection for the
63HS1	Pressure sensor
63LS1	Discharge pressure
X001	Low pressure
ACCT1, 2	Magnetic relay (inverter main circuit)/2C
CI	Current sensor(AC)
AGCT1	Capacitor (inverter main circuit)
DOCL	DC load
L1	Choke coil (for high frequency noise reduction)
LEV1	H/C bypasses, controls refrigerant flow in H/C circuit
LEV2	Refrigerant control, Refrigerant flow rate control
R1	For inrush current prevention
RS-H01	For current detection
SV1a	For opening/closing the bypass circuit under the O/S
SV2	For opening/closing the discharge suction bypass
SVB5b, c	Outdoor unit heat exchanger capacity control
SV9	For opening/closing the bypass capacity control
TB1	Power supply
TB7	Inverter/ Outdoor transmission cable
TB2	Subcool bypass outlet temperature
TH3	Pipe temperature
TH4	Indoor unit evaporator surface
TH5	AGC melt pipe temperature
TH6	Subcooled liquid refrigerant temperature
TH7	O/A temperature
TH8, 9	Room temperature
TS, %	Function setting

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



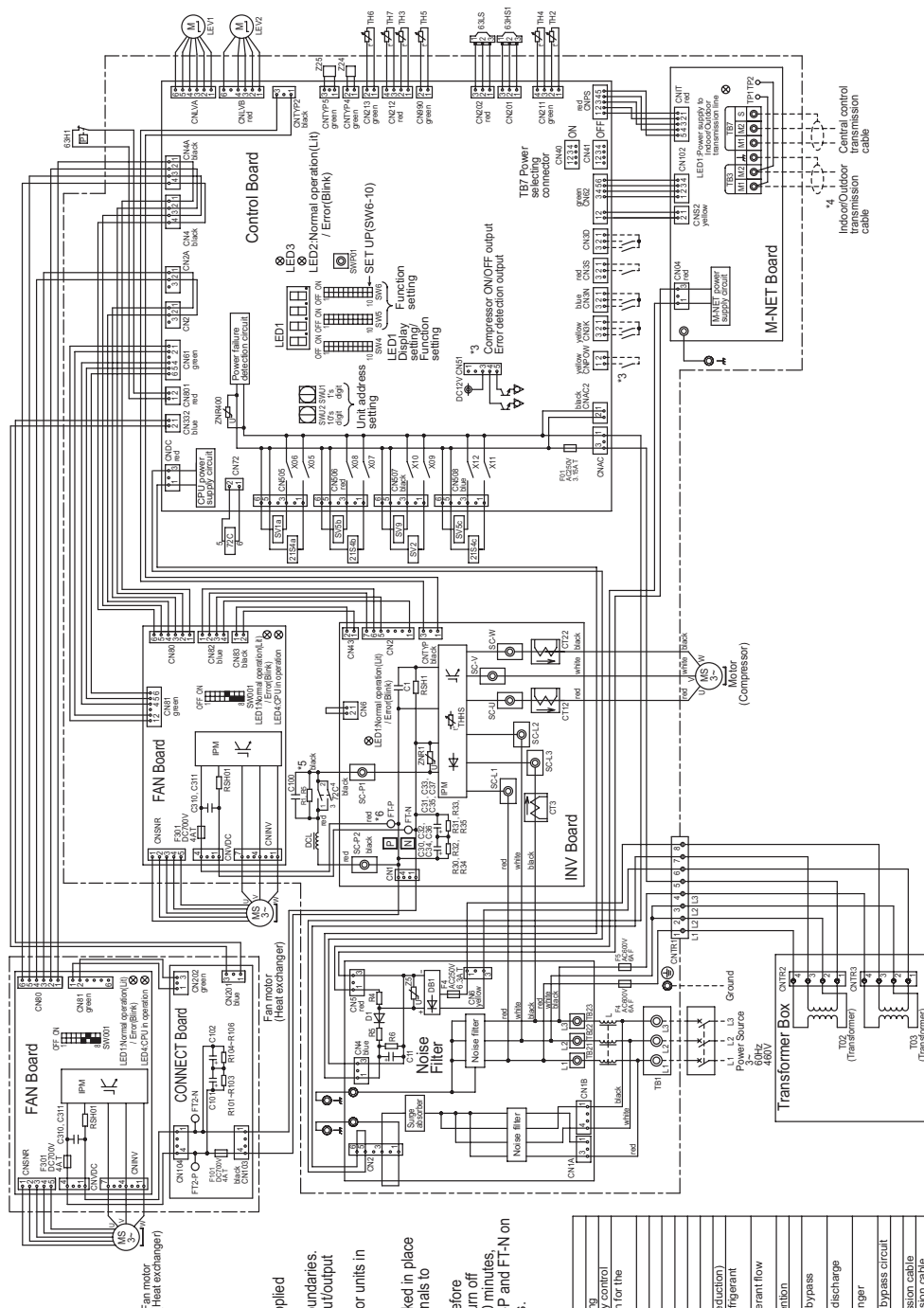
1. Single-dotted lines indicate wiring not supplied with the unit.
2. Dot-dash lines indicate the control box boundaries.
3. Refer to the Data book for connecting input/output signal connectors.
4. Daisy-chain terminals (T33) on the outdoor units in the same refrigerant system together.
5. Faston terminals 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 F-T-P and F-T-N on INV Board has dropped to DC20V or less.

<Symbol explanation>

Symbol	Explanation
2154a	4-way valve
2154b	Coil/heating switching
2154b	Heat exchanger capacity for the outdoor unit
34H1	Pressure switch
34H2	Pressure switch
34S	Low pressure sensor
34S	High pressure sensor
C39~C37	Capacitor (inverter main circuit)
G112, 22.3	Current sensor(AC)
DCL	DC reactor
LEV1	Linear expansion valve
LEV2	Pressure control, Refrigerant flow in H/C circuit
R15	Resistor
S9001, RSF1	For inrush current prevention
SV1a	For opening/closing the bypass circuit under the O/S
SV2	For opening/closing the discharge circuit under the O/S
SV5b	For opening/closing the discharge circuit bypass
SV9	For opening/closing the discharge circuit bypass
SV1	For opening/closing the bypass circuit
TV1	Power supply
TV3	Indoor/Outdoor transmission cable
TV7	Central control transmission cable
TV8	Subcool bypass outlet
TH2	Subcool bypass inlet
TH3	Pipe temperature
TH4	Discharge pipe temperature
TH5	ACC inlet pipe temperature
TH6	Subcooled liquid refrigerant temperature
TH7	Subcooled liquid refrigerant temperature
TH8	Subcooled liquid refrigerant temperature
TH9	Subcooled liquid refrigerant temperature
TH10	Subcooled liquid refrigerant temperature
TH11	Subcooled liquid refrigerant temperature
TH12	Subcooled liquid refrigerant temperature
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TH130	Subcooled liquid refrigerant temperature
TH131	Subcooled liquid refrigerant temperature
TH132	Subcooled liquid refrigerant temperature
TH133	Subcooled liquid refrigerant temperature
TH134	Subcooled liquid refrigerant temperature
TH135	Subcooled liquid refrigerant temperature

4. ELECTRICAL WIRING DIAGRAMS

PUHY-P120,144YKMU-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 F-P and F-T-N on INV Board has dropped to DC20V or less.

<Symbol explanation>

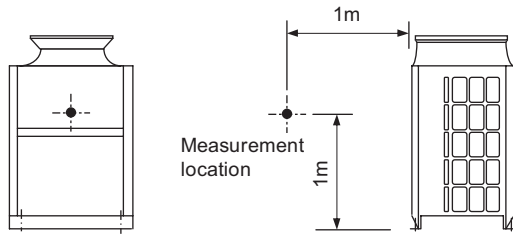
Symbol	Explanation
21S4a	Cooling/Heating switching
SV5b, c	High pressure protection for the outdoor unit
63H1	Pressure switch
63HS1	Pressure sensor
72C	Low pressure
72C-C37	Magnetic relay (inverter main circuit)
CT12, 22, 3	Current sensor (AC)
DCR	DC reactor
L	Choke coil (for high frequency noise reduction)
LEV1	Linear expansion valve
LEV2	Linear expansion valve
R1, 5	Resistor
RS01, RS01	For current detection
SV1a	Solenoid valve
SV2	For opening/closing the bypass circuit under the OS
SV5b, c	For opening/closing the discharge suction bypass
SV9	Outdoor unit heat exchanger capacity control
SV9	For opening/closing the bypass circuit
TB1	Power supply / transmission cable
TB7	Central control transmission cable
TH2	Subcool bypass outlet temperature
TH3	Pipe temperature
TH4	Discharge pipe temperature
TH5	A/C inlet pipe temperature
TH6	Discharge pipe liquid refrigerant temperature
TH7	OA temperature
THHS	IPM temperature
Z24, 25	Function setting connector

(1) PUHY-P72, P96 models

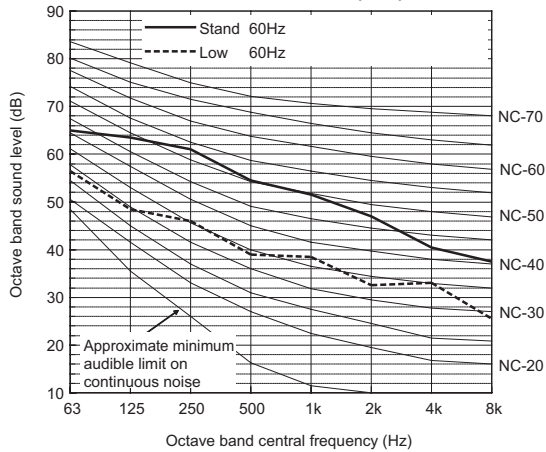


6. SOUND PRESSURE LEVELS

Measurement condition PUHY-P72TKMU/YKMU



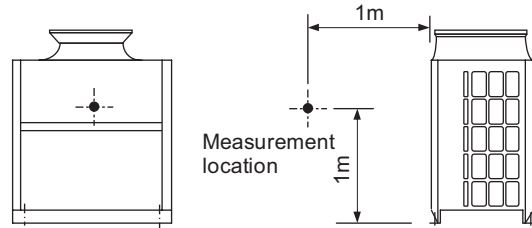
Sound level of PUHY-P72T/YKMU-A(-BS)



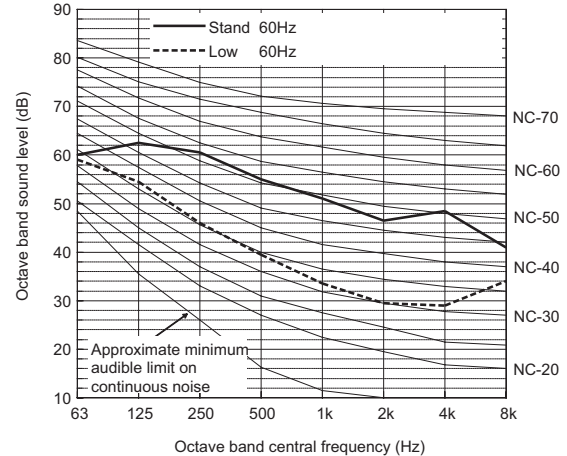
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.0	63.5	61.0	54.5	51.5	47.0	40.5	37.5	58.0
Low noise mode	60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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.

Measurement condition PUHY-P96TKMU/YKMU



Sound level of PUHY-P96T/YKMU-A(-BS)

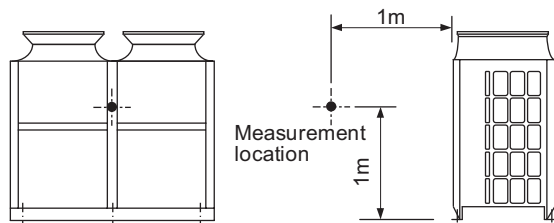


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	60.0	62.5	60.5	55.0	51.0	46.5	48.5	41.0	58.0
Low noise mode	60Hz	59.0	54.5	46.0	39.5	33.5	29.5	29.0	34.0	44.0

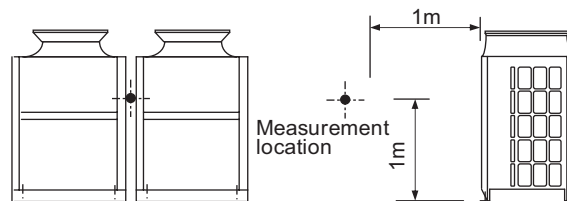
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

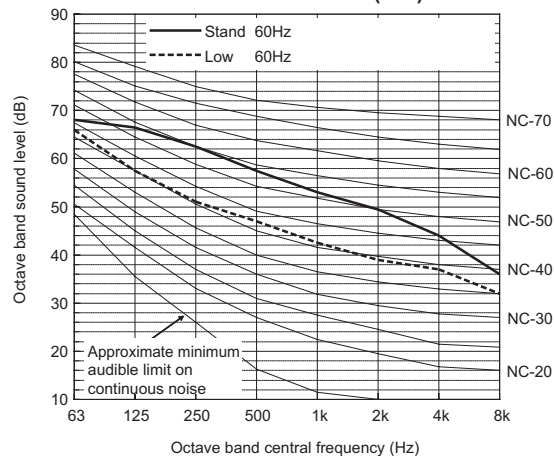
Measurement condition PUHY-P120,144TKMU/YKMU



Measurement condition PUHY-P144YSKMU



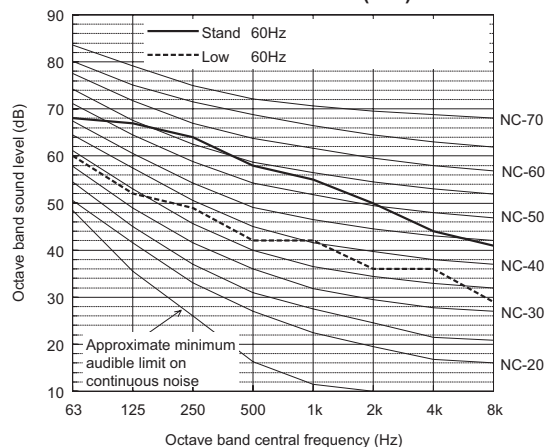
Sound level of PUHY-P120T/YKMU-A(-BS)



		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.

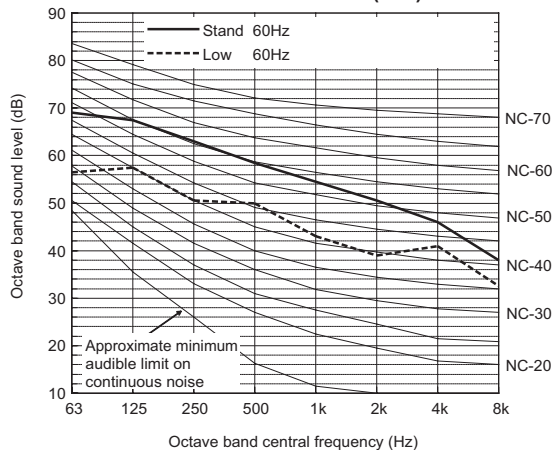
Sound level of PUHY-P144YSKMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	68.0	67.0	64.0	58.0	55.0	50.0	44.0	41.0	61.0
Low noise mode	60Hz	60.0	52.0	49.0	42.0	42.0	36.0	36.0	29.0	47.0

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

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

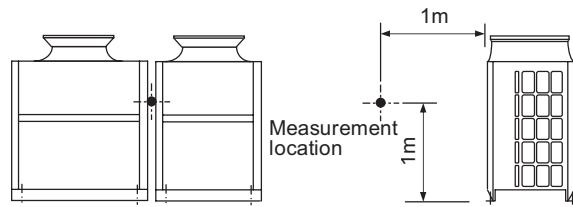


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	69.0	67.5	63.0	58.5	54.5	50.5	46.0	38.0	61.0
Low noise mode	60Hz	56.5	57.5	50.5	50.0	43.0	39.0	41.0	32.5	51.0

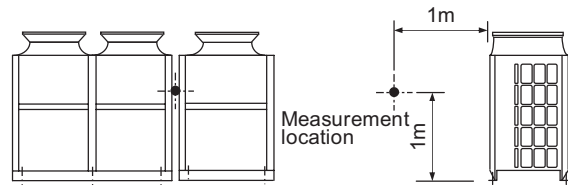
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

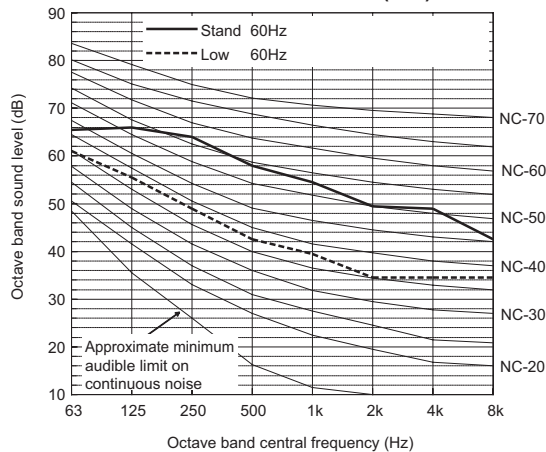
Measurement condition PUHY-P168YSKMU



Measurement condition PUHY-P192TSKMU/YSKMU



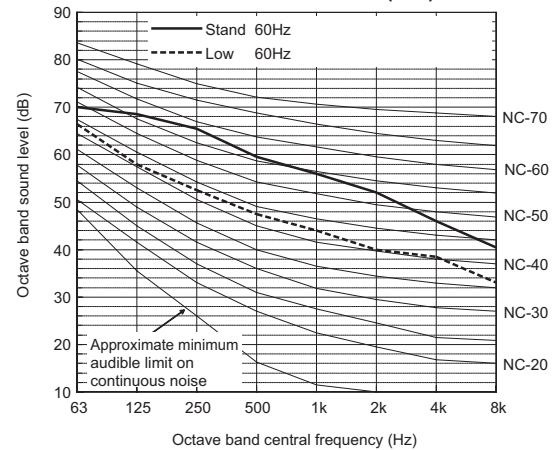
Sound level of PUHY-P168T/YSKMU-A(-BS)



		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.

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

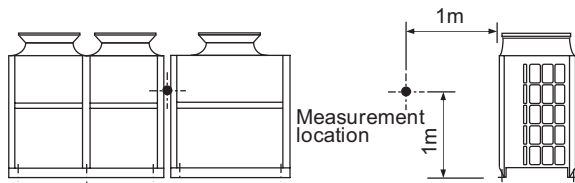


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	70.0	68.5	65.5	59.5	56.0	52.0	46.0	40.5	62.5
Low noise mode	60Hz	66.5	58.0	52.5	47.5	44.0	40.0	38.5	33.0	51.0

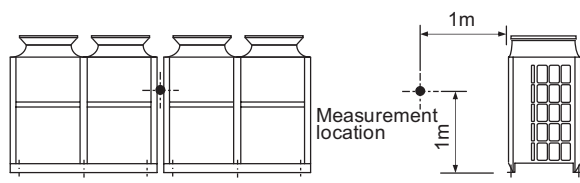
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

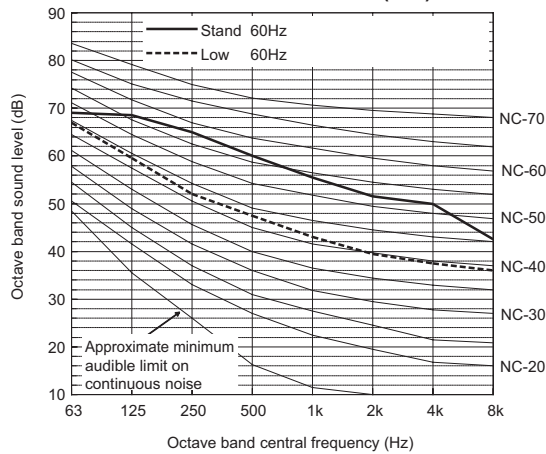
Measurement condition PUHY-P216TSKMU/YSKMU



Measurement condition PUHY-P240TSKMU/YSKMU



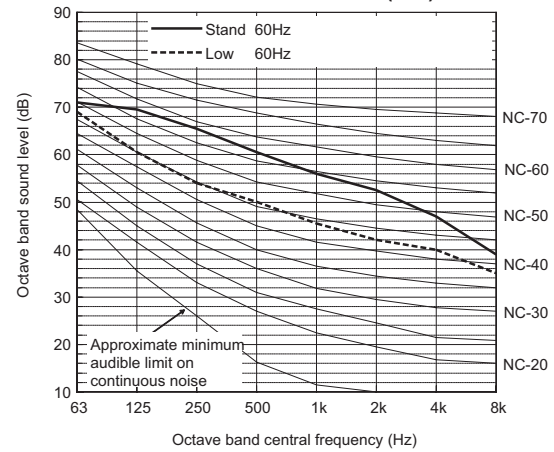
Sound level of PUHY-P216T/YSKMU-A(-BS)



		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.

Sound level of PUHY-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

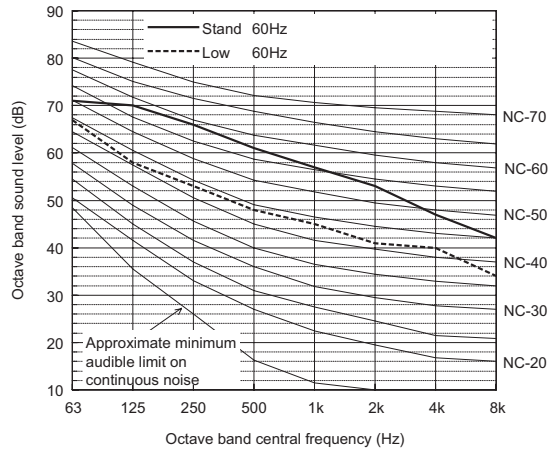
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PUHY-P264TSKMU/YSKMU



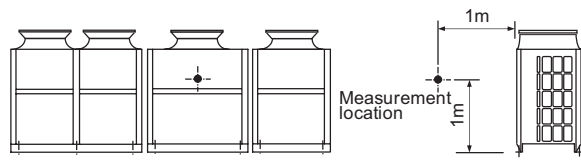
Sound level of PUHY-P264T/YSKMU-A(-BS)



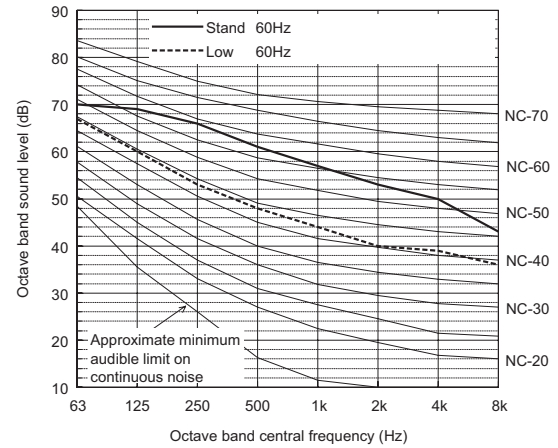
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.0	70.0	66.0	61.0	57.0	53.0	47.0	42.0	63.5
Low noise mode	60Hz	67.0	58.0	53.0	48.0	45.0	41.0	40.0	34.0	52.0

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

Measurement condition PUHY-P288TSKMU/YSKMU



Sound level of PUHY-P288T/YSKMU-A(-BS)

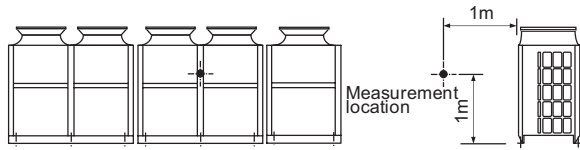


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	70.0	69.0	66.0	61.0	57.0	53.0	50.0	43.0	63.5
Low noise mode	60Hz	67.0	60.0	53.0	48.0	44.0	40.0	39.0	36.0	51.5

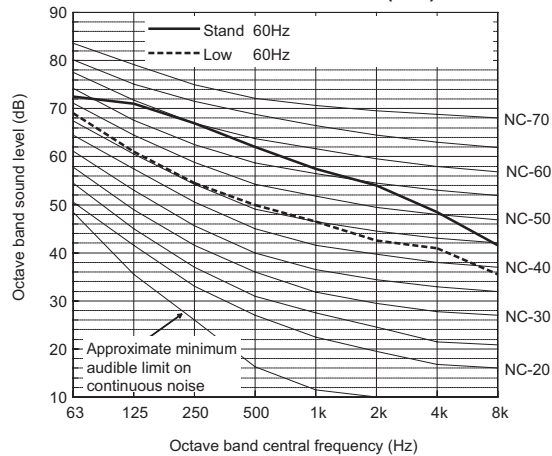
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PUHY-P312TSKMU/YSKMU



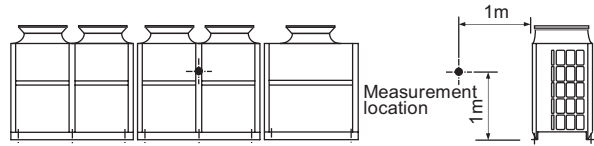
Sound level of PUHY-P312T/YSKMU-A(-BS)



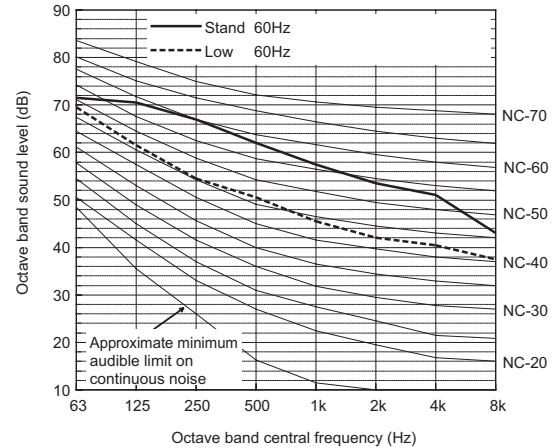
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.5	71.0	67.0	62.0	57.5	54.0	48.5	41.5	64.5
Low noise mode	60Hz	69.0	61.0	54.5	50.0	46.5	42.5	41.0	35.5	53.5

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.

Measurement condition PUHY-P336TSKMU/YSKMU



Sound level of PUHY-P336T/YSKMU-A(-BS)

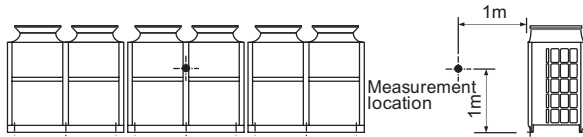


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.5	70.5	67.0	62.0	57.5	53.5	51.0	43.0	64.5
Low noise mode	60Hz	69.5	61.5	54.5	50.5	45.5	42.0	40.5	37.5	53.5

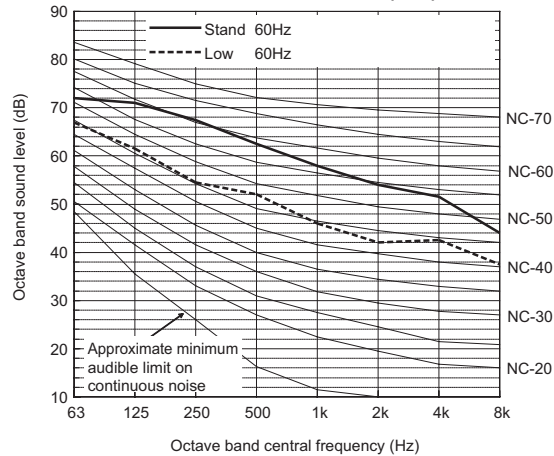
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

6. SOUND PRESSURE LEVELS

Measurement condition PUHY-P360TSKMU/YSKMU



Sound level of PUHY-P360T/YSKMU-A(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.0	71.0	67.5	62.5	58.0	54.0	51.5	44.0	65.0
Low noise mode	60Hz	67.0	61.5	54.5	52.0	46.0	42.0	42.5	37.5	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.

7. VIBRATION LEVEL

Measurement condition

Measurement frequency: 1 Hz-80 Hz

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

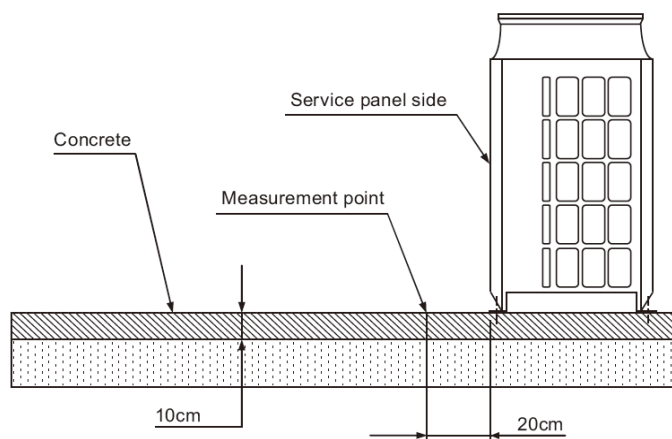
Installation condition: Direct installation on the concrete floor

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)
PUHY-P72T(Y)KMU-A(-BS)	45
PUHY-P96T(Y)KMU-A(-BS)	47
PUHY-P120T(Y)KMU-A(-BS)	47
PUHY-P144T(Y)KMU-A(-BS)	47
PUHY-P144YSKMU-A(-BS)	48
PUHY-P168T(Y)SKMU-A(-BS)	49.5
PUHY-P192T(Y)SKMU-A(-BS)	49.5
PUHY-P216T(Y)SKMU-A(-BS)	50
PUHY-P240T(Y)SKMU-A(-BS)	50
PUHY-P264T(Y)SKMU-A(-BS)	50.5
PUHY-P288T(Y)SKMU-A(-BS)	51.5
PUHY-P312T(Y)SKMU-A(-BS)	51.5
PUHY-P336T(Y)SKMU-A(-BS)	52
PUHY-P360T(Y)SKMU-A(-BS)	52

*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

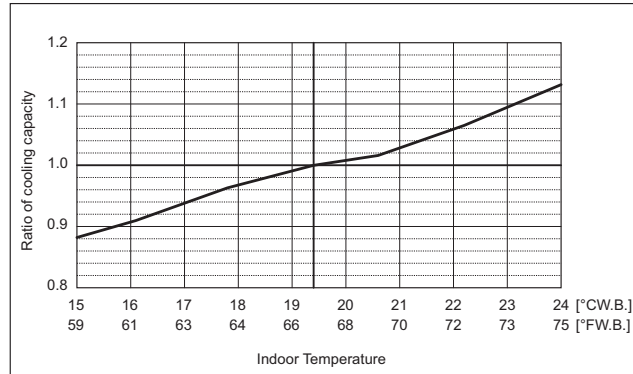
CITY MULTI could have various capacities at different design temperatures. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperatures.

PUHY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	72,000	
	kW	21.1	
	Input kW	5.06	
Rated cooling capacity	BTU/h	69,000	
	kW	20.2	
	Input kW	4.58	4.79

PUHY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	96,000	
	kW	28.1	
	Input kW	7.00	
Rated cooling capacity	BTU/h	92,000	
	kW	27.0	
	Input kW	6.35	6.62

Indoor unit temperature correction

To be used to correct indoor unit capacity only

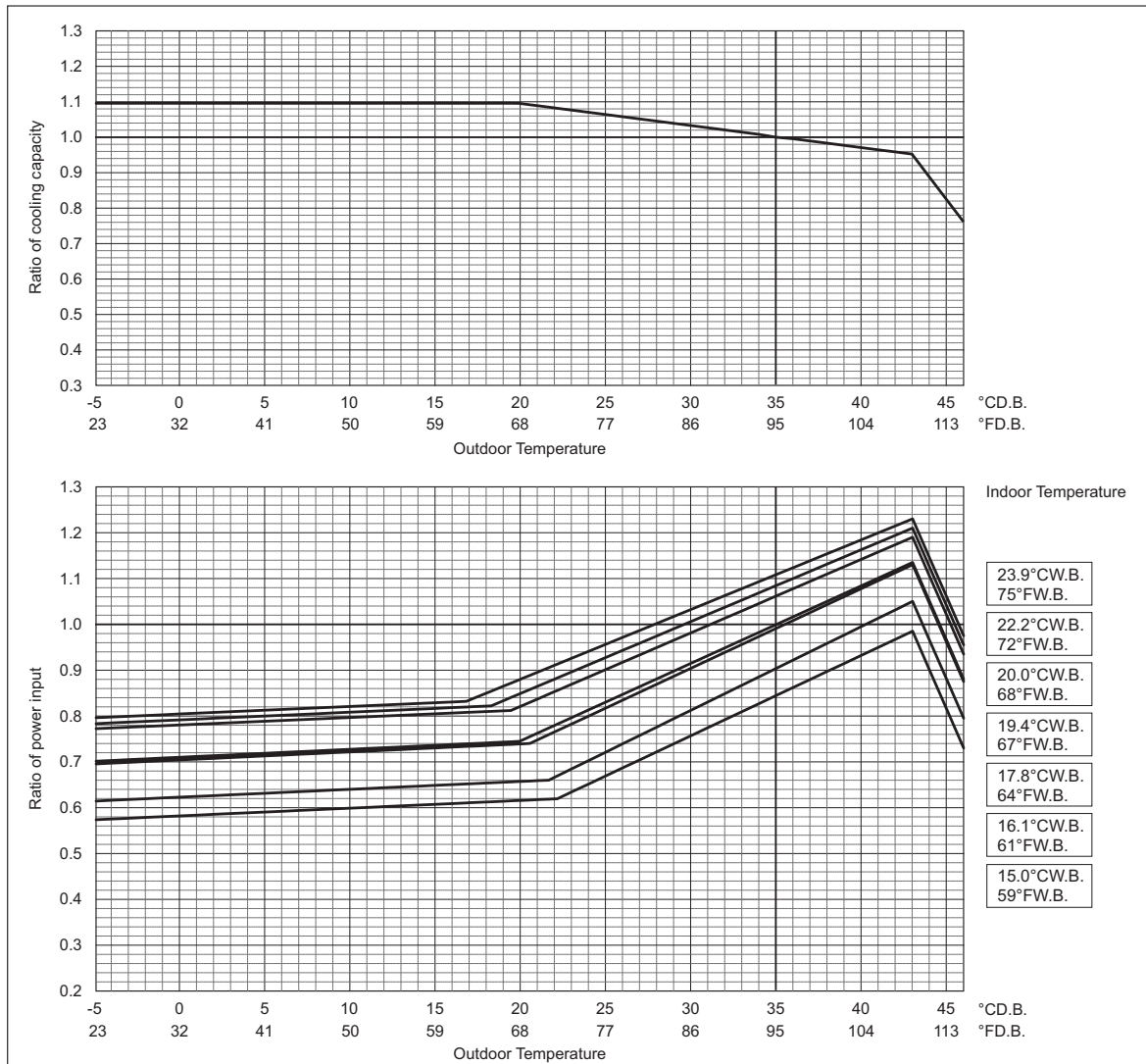


Outdoor unit temperature correction

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

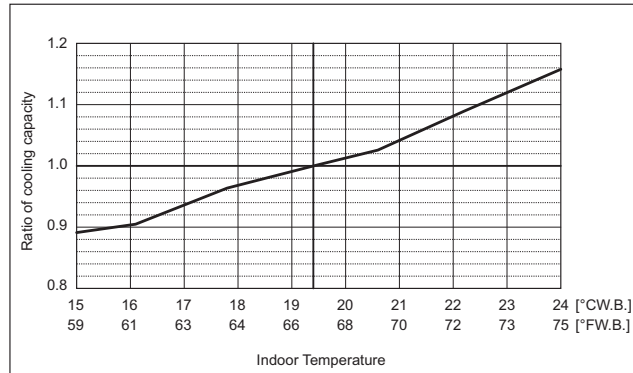
8-1. Correction by Temperature (Standard Performance), cont.

8-1-1. Cooling Capacity

PUHY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	120,000	
	kW	35.2	
	Input kW	9.09	
Rated cooling capacity	BTU/h	114,000	
	kW	33.4	
	Input kW	8.56	8.27

Indoor unit temperature correction

To be used to correct indoor unit capacity only

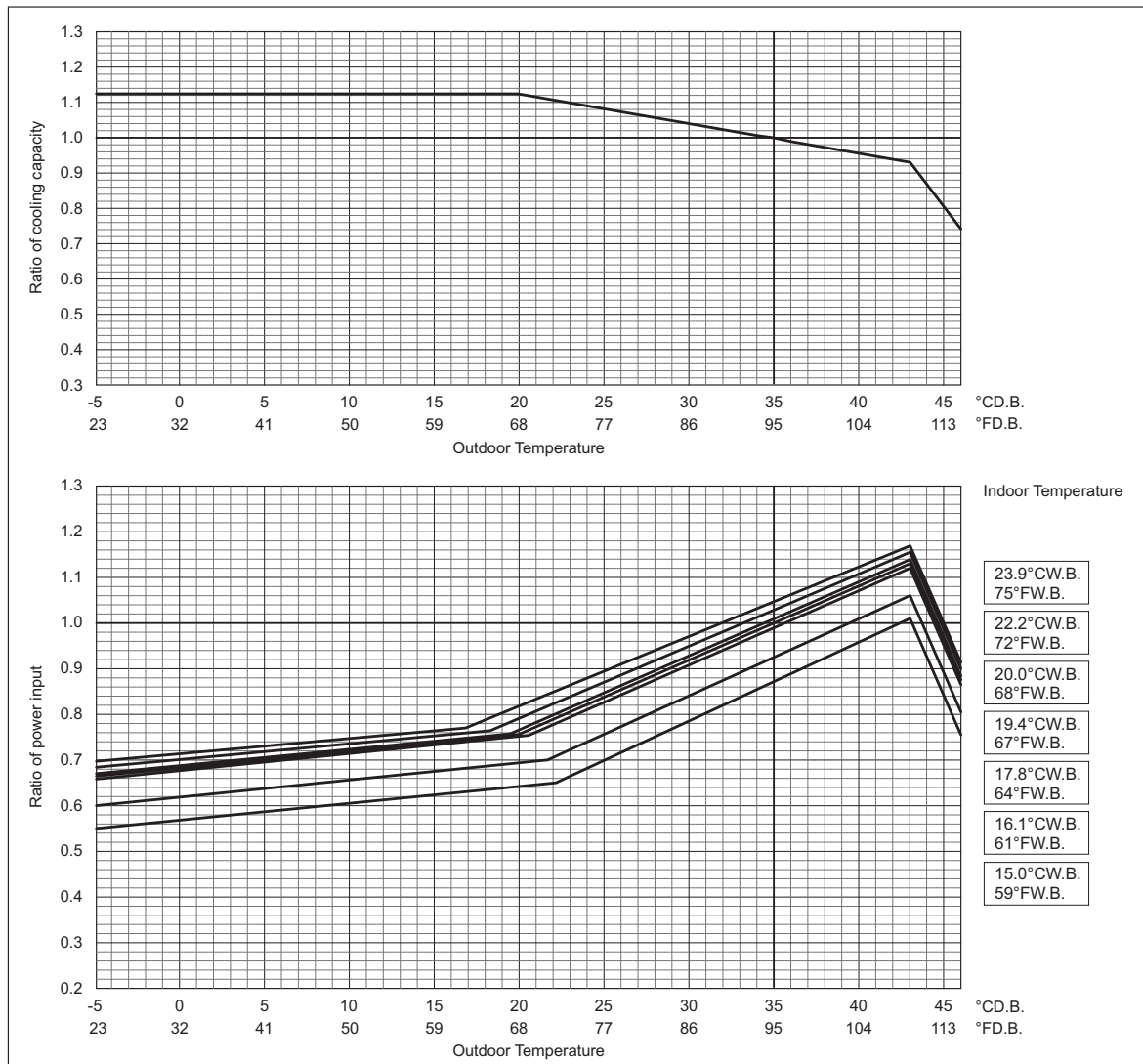


Outdoor unit temperature correction

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

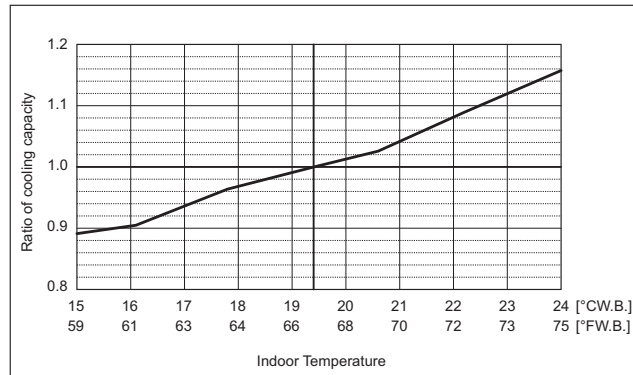
8-1. Correction by Temperature (Standard Performance), cont.

8-1-1. Cooling Capacity

PUHY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	11.84	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	11.13	10.79

Indoor unit temperature correction

To be used to correct indoor unit capacity only

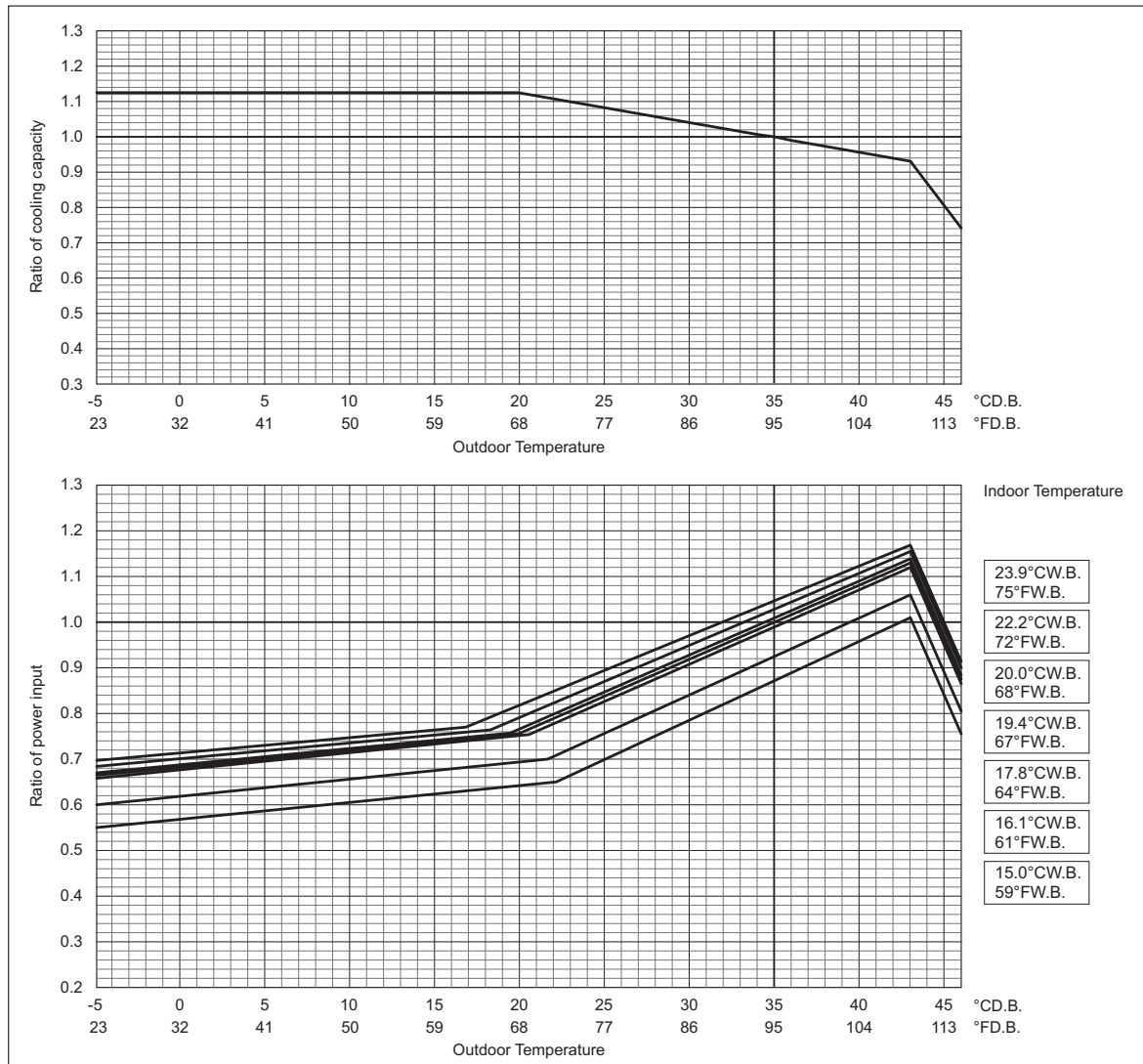


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

8-1-1. Cooling Capacity

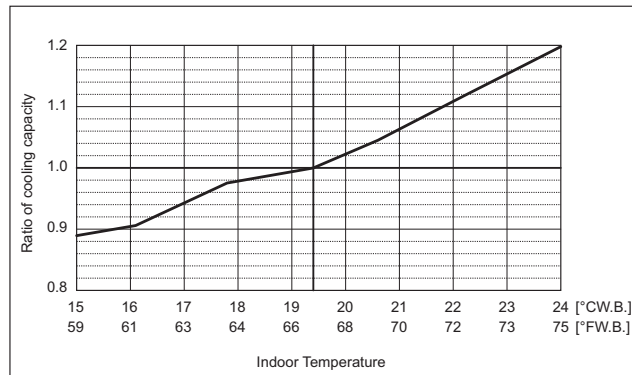
PUHY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	10.57	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	9.89	9.68

PUHY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	168,000	
	kW	49.2	
	Input kW	12.71	
Rated cooling capacity	BTU/h	161,000	
	kW	47.2	
	Input kW	11.95	11.58

PUHY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	192,000	
	kW	56.3	
	Input kW	14.81	
Rated cooling capacity	BTU/h	183,000	
	kW	53.6	
	Input kW	14.04	13.39

Indoor unit temperature correction

To be used to correct indoor unit capacity only

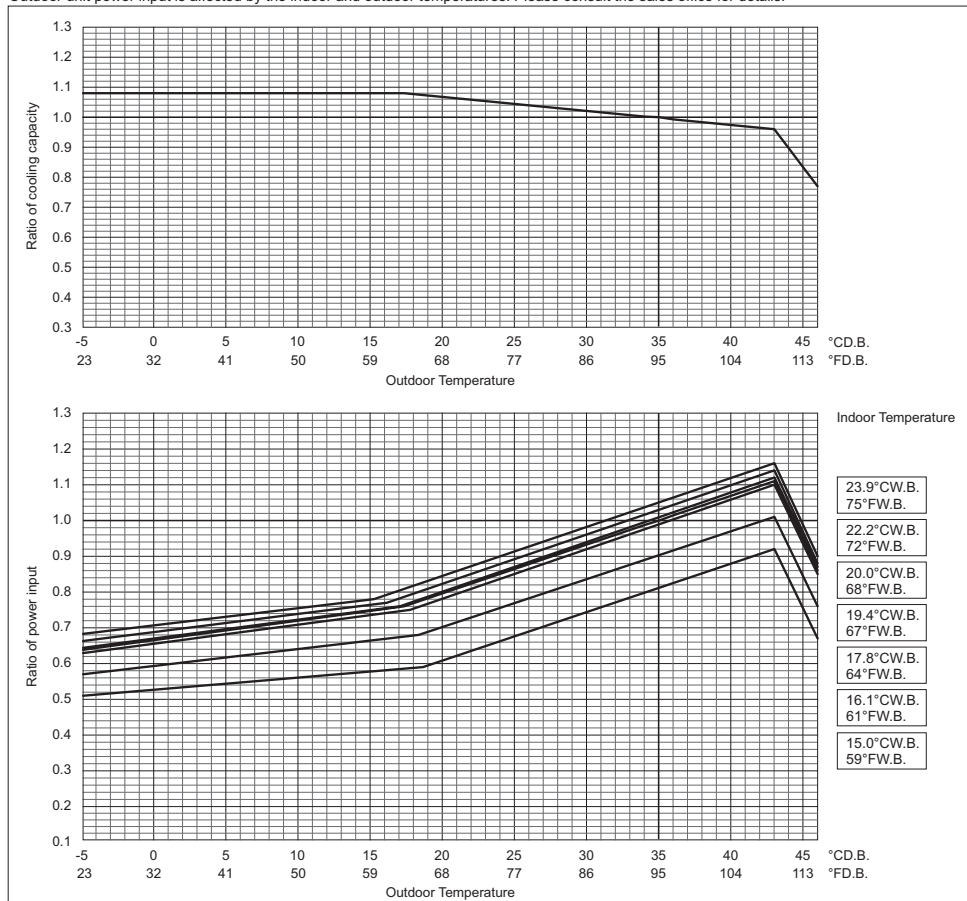


Outdoor unit temperature correction

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.

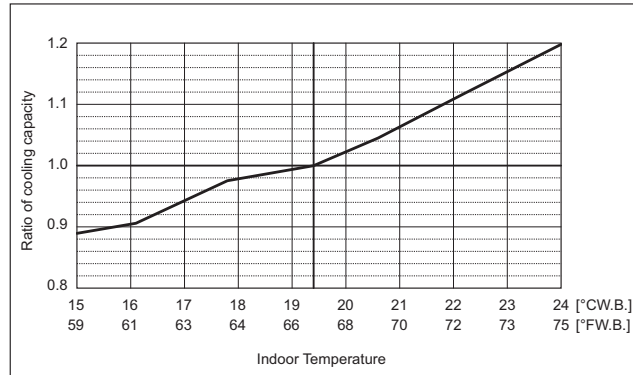
8-1-1. Cooling Capacity

PUHY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	216,000	
	kW	63.3	
Rated cooling capacity	BTU/h	206,000	
	kW	60.4	
Input	kW	16.90	
Input	kW	16.09	15.21

PUHY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	240,000	
	kW	70.3	
Rated cooling capacity	BTU/h	228,000	
	kW	66.8	
Input	kW	18.28	17.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

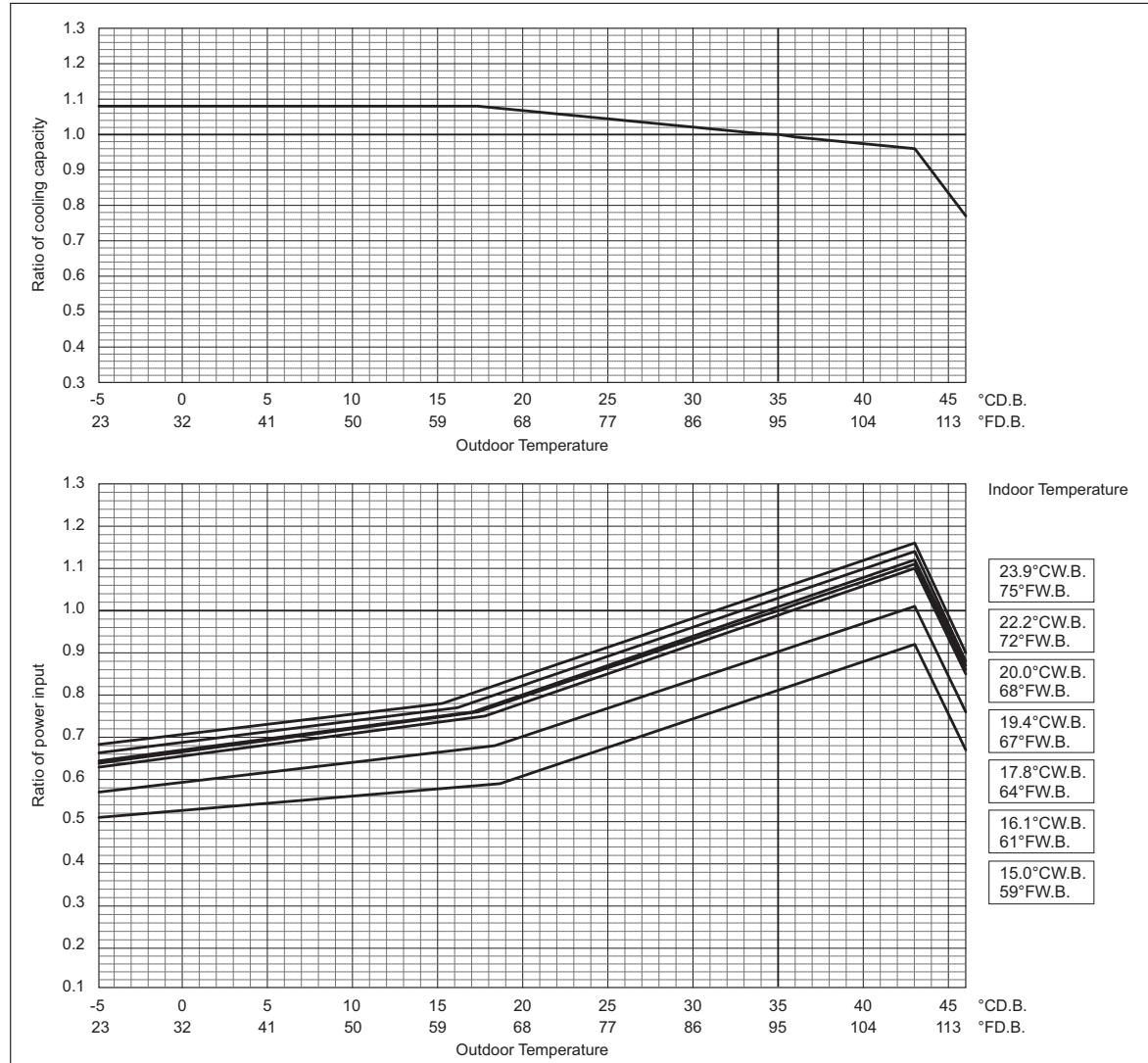


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

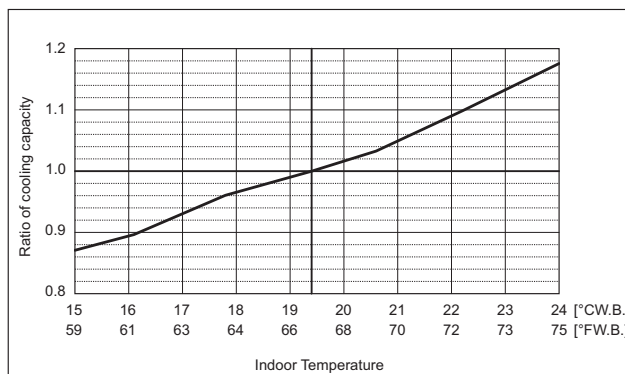
8-1-1. Cooling Capacity

PUHY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	264,000	
	kW	77.4	
	Input	20.35	
Rated cooling capacity	BTU/h	252,000	
	kW	73.9	
	Input	19.39	18.29

PUHY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	288,000	
	kW	84.4	
	Input	22.39	
Rated cooling capacity	BTU/h	275,000	
	kW	80.6	
	Input	21.33	20.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

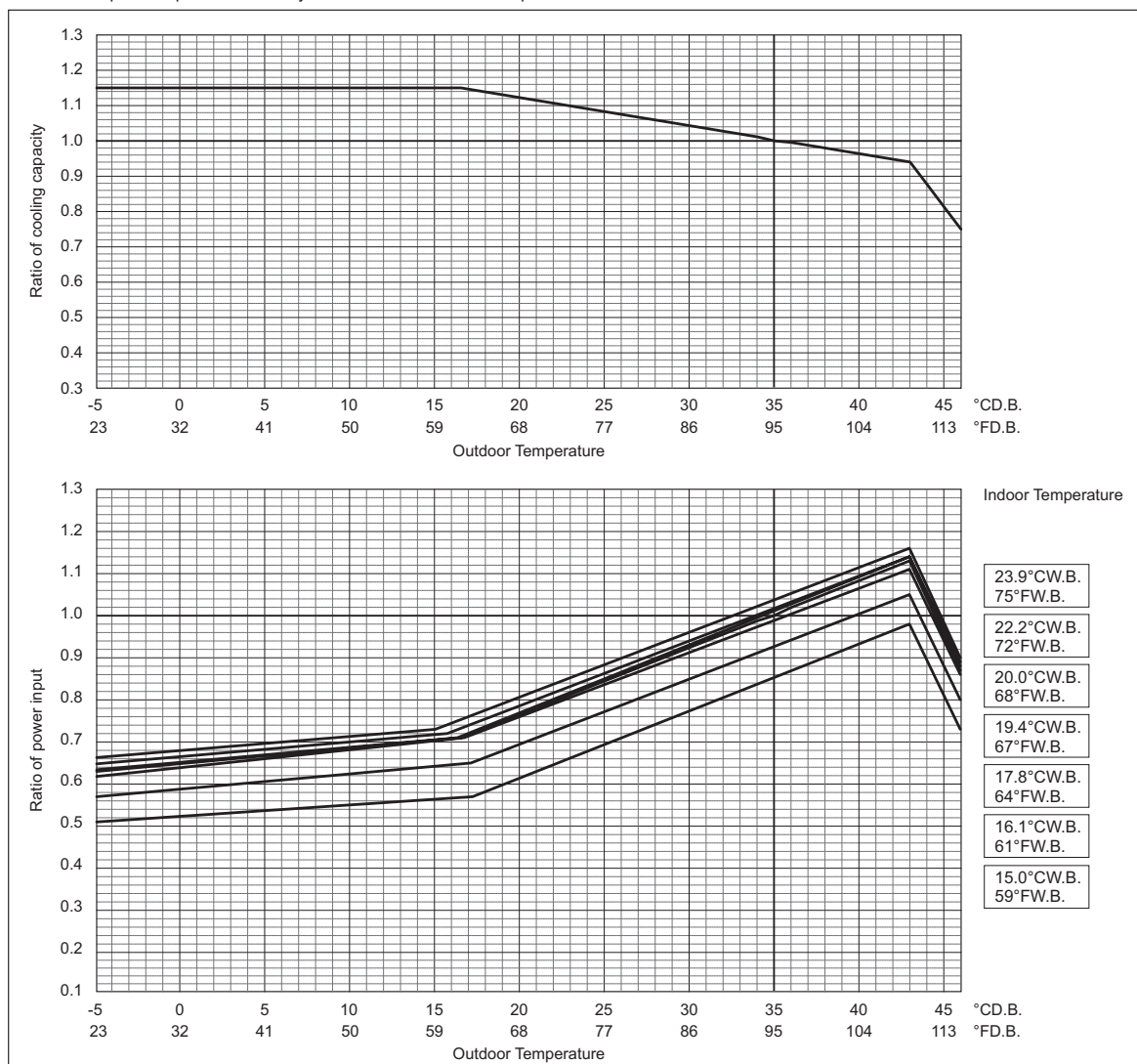


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

8-1-1. Cooling Capacity

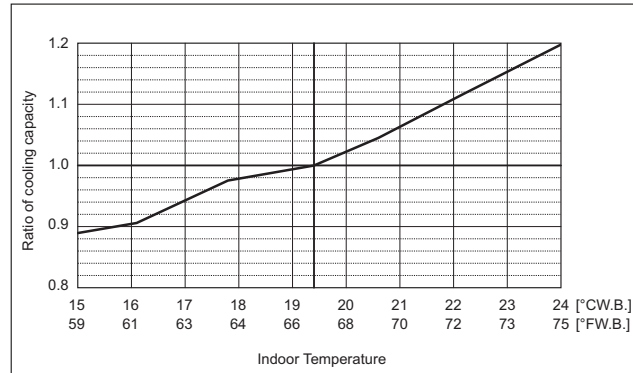
PUHY-		P312TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	312,000	
	kW	91.4	
	Input kW	24.87	
Rated cooling capacity	BTU/h	297,000	
	kW	87.0	
	Input kW	23.70	22.36

PUHY-		P336TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	336,000	
	kW	98.5	
	Input kW	27.21	
Rated cooling capacity	BTU/h	320,000	
	kW	93.8	
	Input kW	25.82	24.57

PUHY-		P360TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	360,000	
	kW	105.5	
	Input kW	29.65	
Rated cooling capacity	BTU/h	342,000	
	kW	100.2	
	Input kW	28.14	26.77

Indoor unit temperature correction

To be used to correct indoor unit capacity only

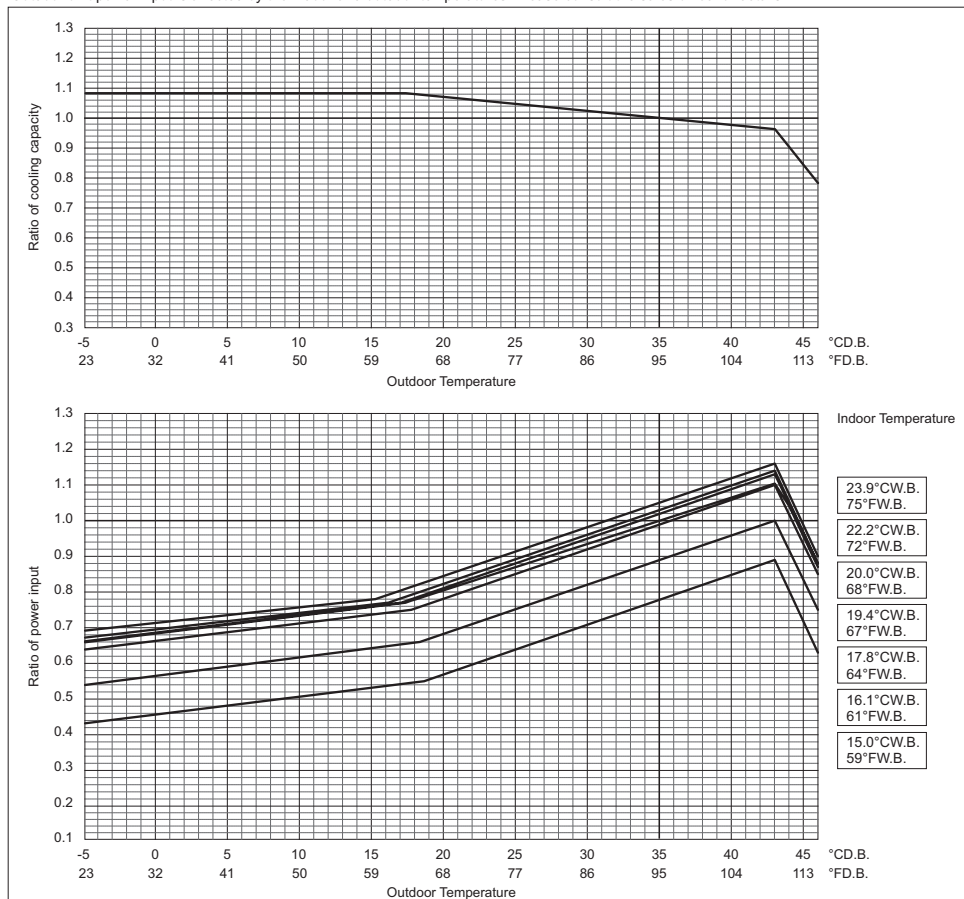


Outdoor unit temperature correction

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

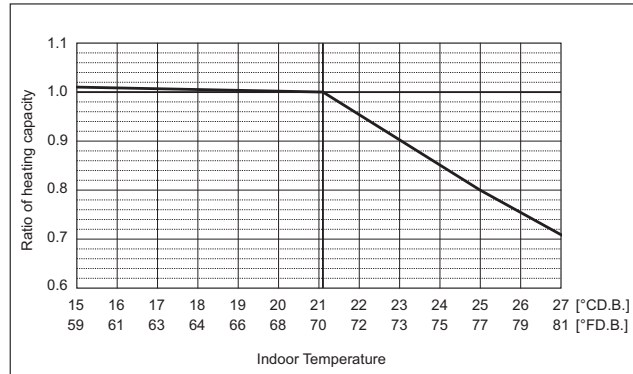
CITY MULTI could have various capacities at different design temperatures. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperatures.

PUHY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	80,000	
	kW	23.4	
	Input	5.62	
Rated heating capacity	BTU/h	76,000	
	kW	22.3	
	Input	5.04	5.36

PUHY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	108,000	
	kW	31.7	
	Input	7.47	
Rated heating capacity	BTU/h	103,000	
	kW	30.2	
	Input	6.79	7.04

Indoor unit temperature correction

To be used to correct indoor unit capacity only

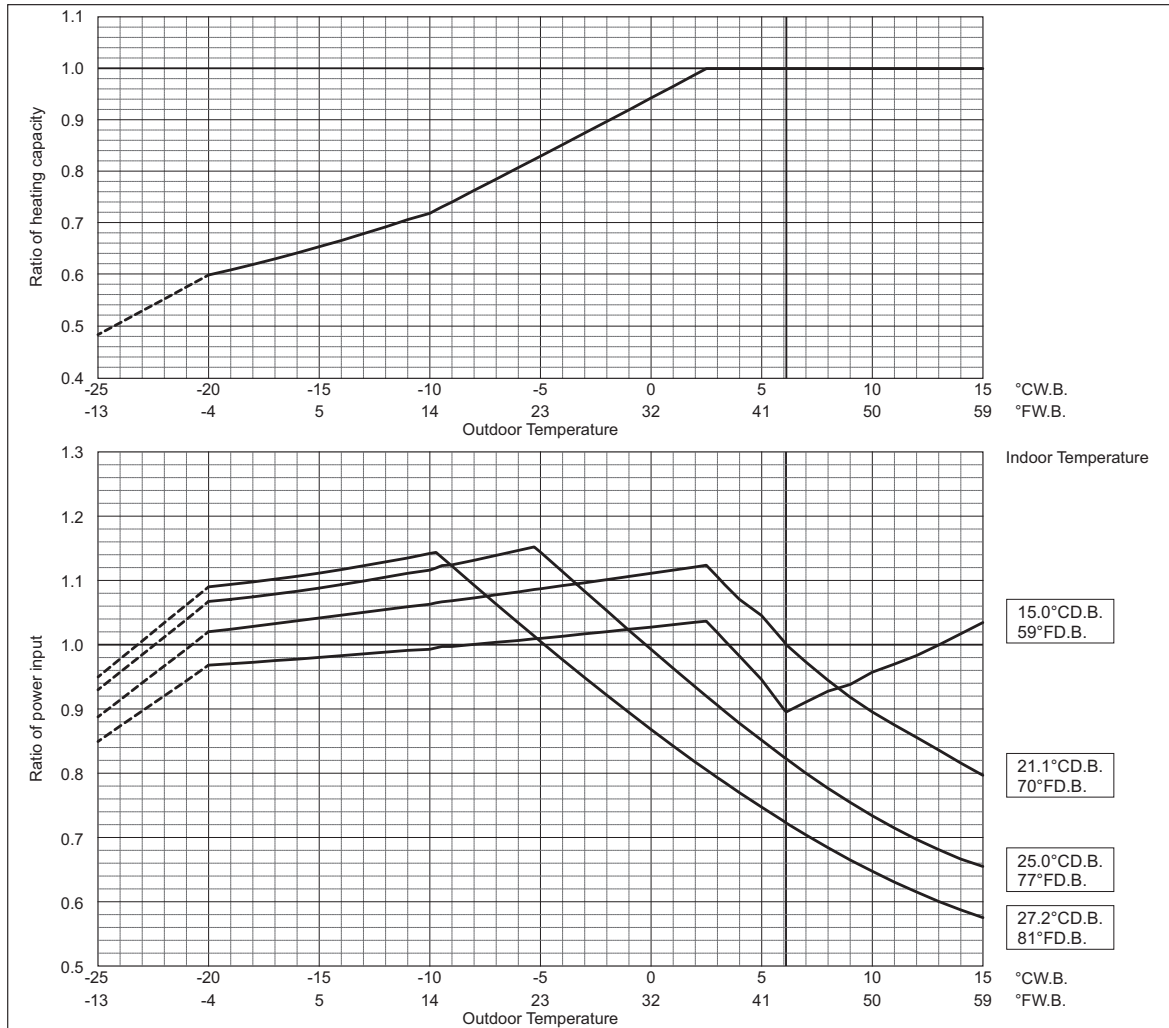


Outdoor unit temperature correction

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

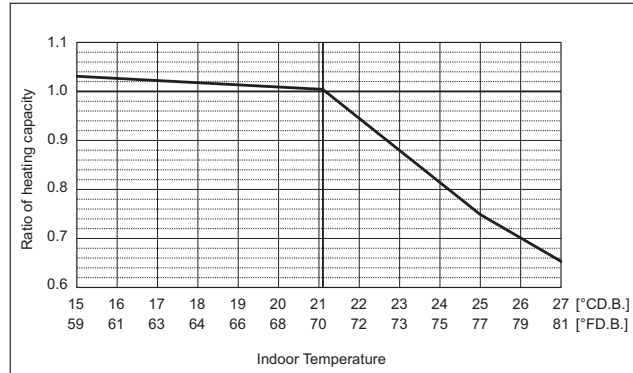
8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

PUHY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	135,000	
	kW	39.6	
	Input kW	10.28	
Rated heating capacity	BTU/h	129,000	
	kW	37.8	
	Input kW	9.46	9.57

Indoor unit temperature correction

To be used to correct indoor unit capacity only

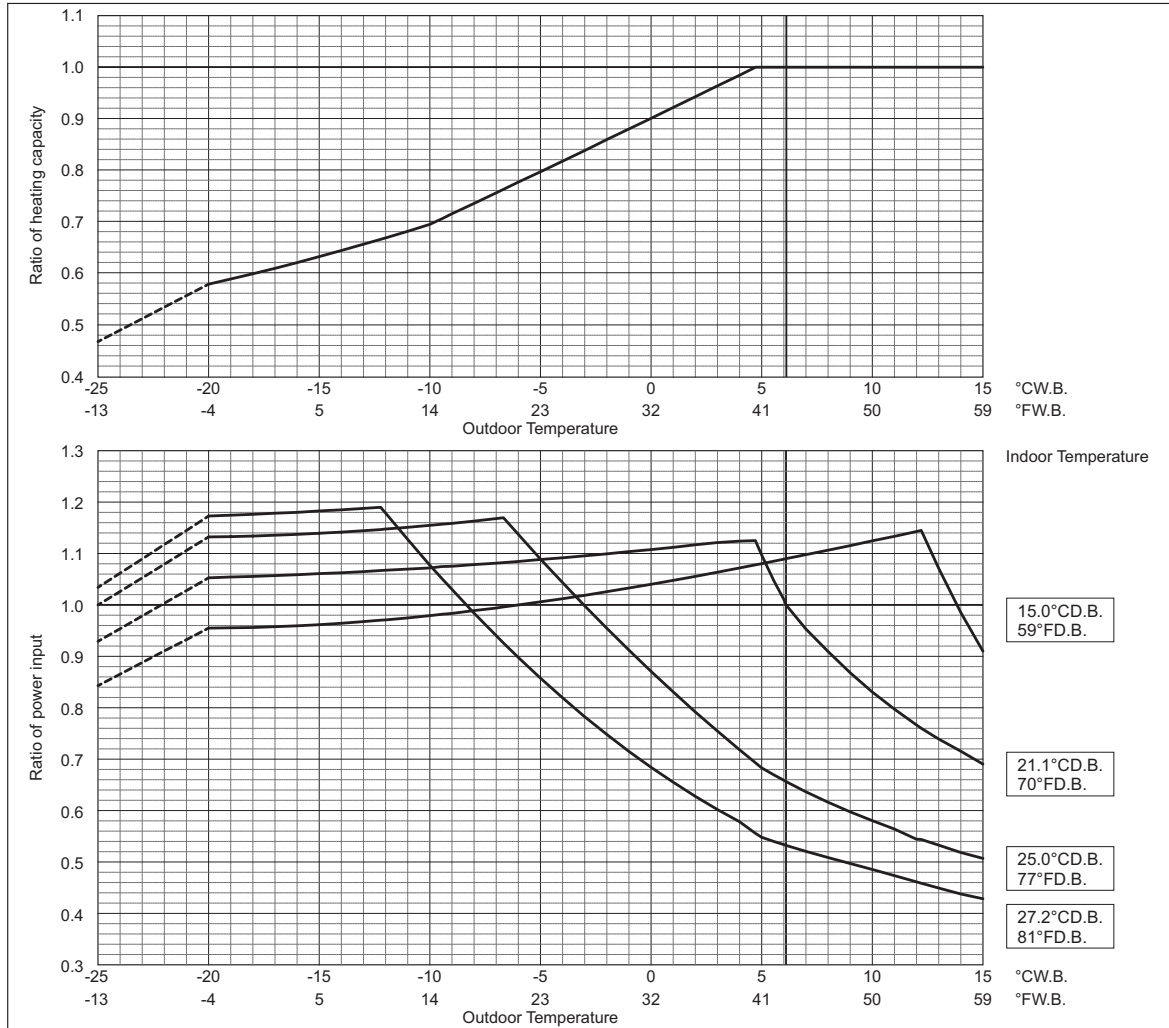


Outdoor unit temperature correction

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

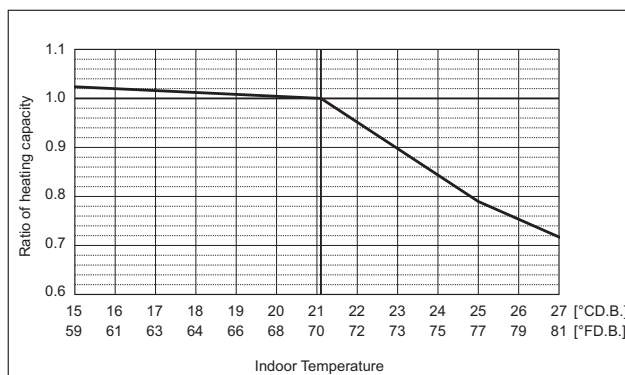
8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

PUHY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	12.47	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	11.49	11.61

Indoor unit temperature correction

To be used to correct indoor unit capacity only

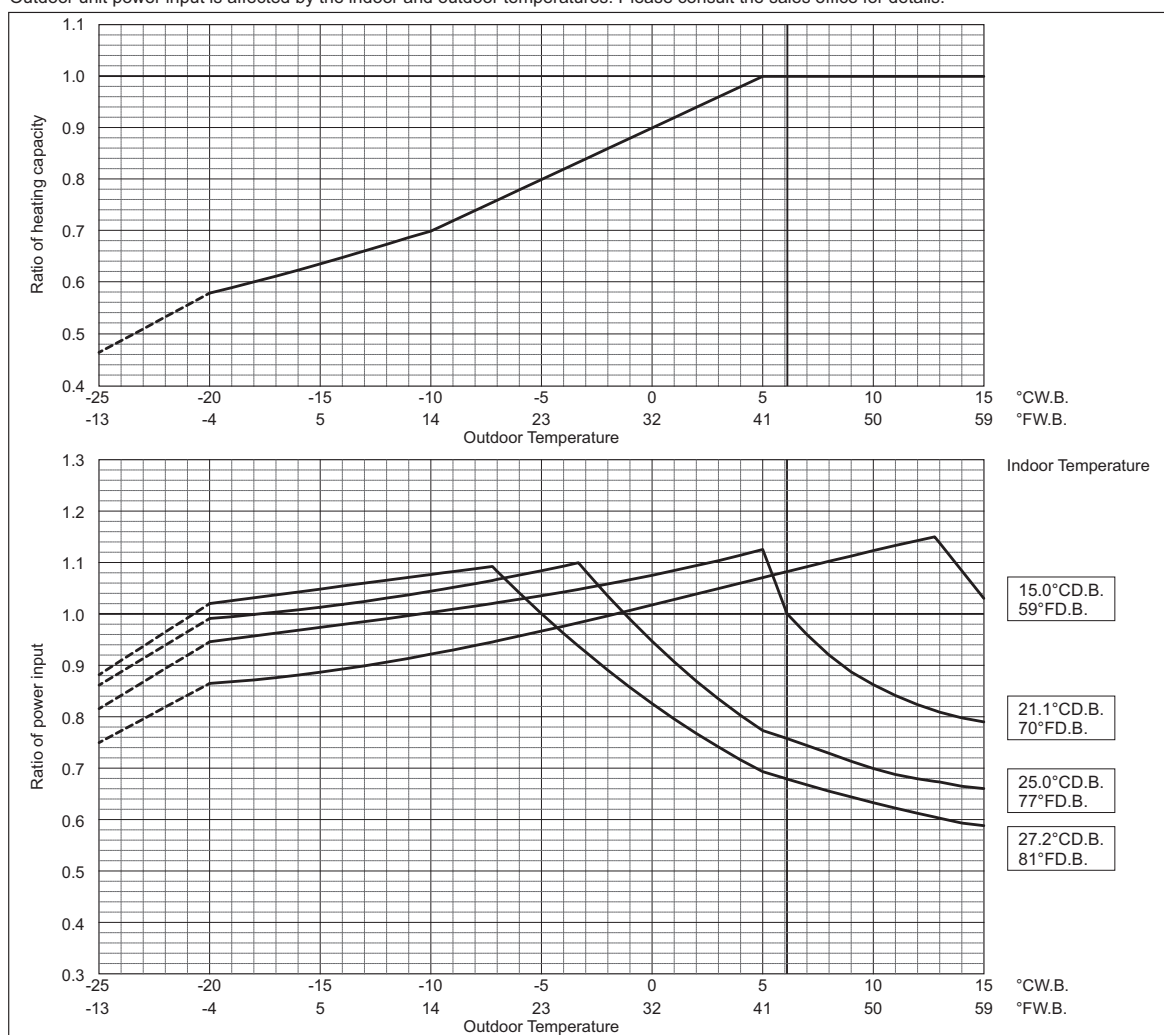


Outdoor unit temperature correction

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

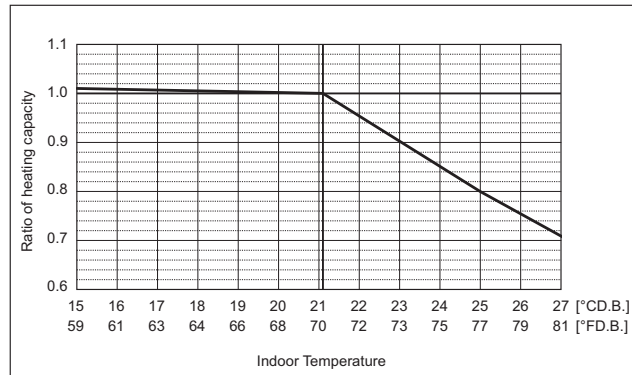
PUHY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	11.68	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	10.79	10.84

PUHY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	188,000	
	kW	55.1	
	Input kW	14.02	
Rated heating capacity	BTU/h	179,000	
	kW	52.5	
	Input kW	13.16	12.80

PUHY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	215,000	
	kW	63.0	
	Input kW	16.91	
Rated heating capacity	BTU/h	205,000	
	kW	60.1	
	Input kW	16.00	15.31

Indoor unit temperature correction

To be used to correct indoor unit capacity only

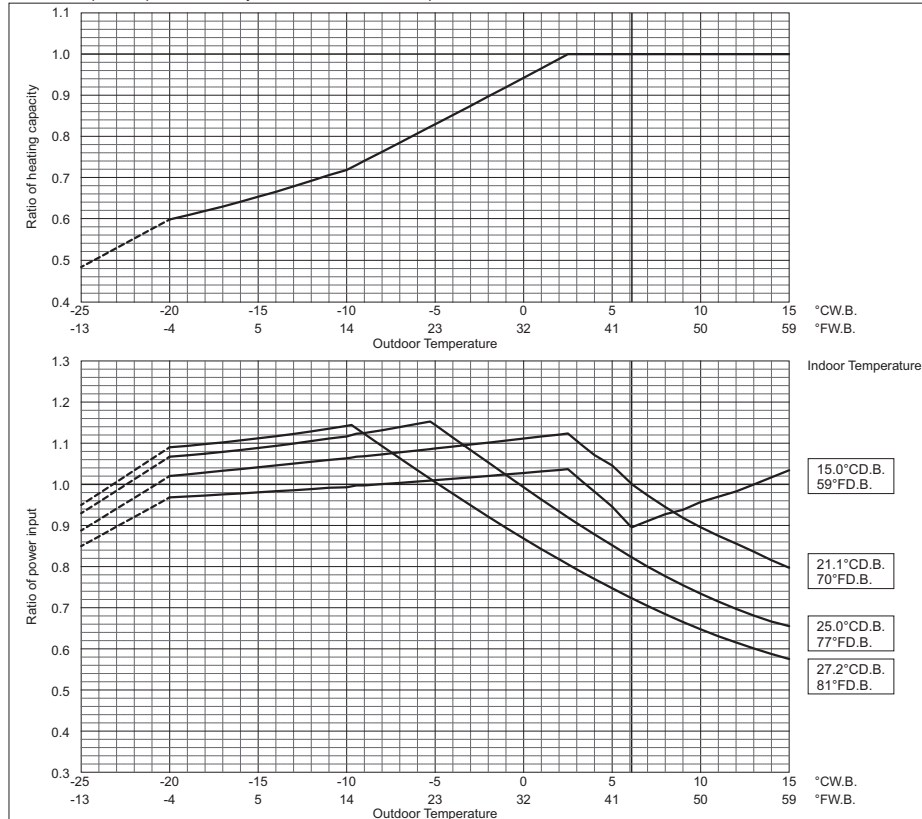


Outdoor unit temperature correction

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

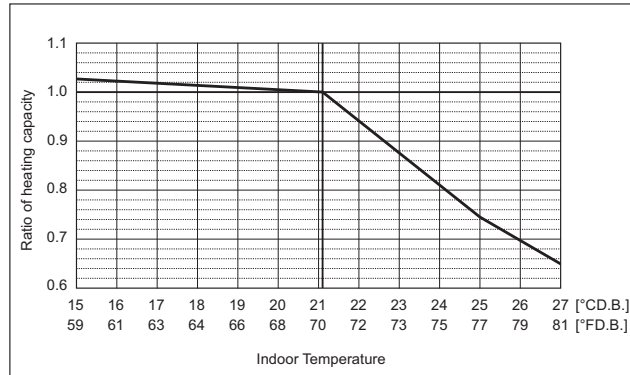
8-1. Correction by Temperature (Standard Performance), cont.

8-1-2. Heating Capacity

PUHY-		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	18.40	17.27

PUHY-		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	20.70	19.78

Indoor unit temperature correction
To be used to correct indoor unit capacity only

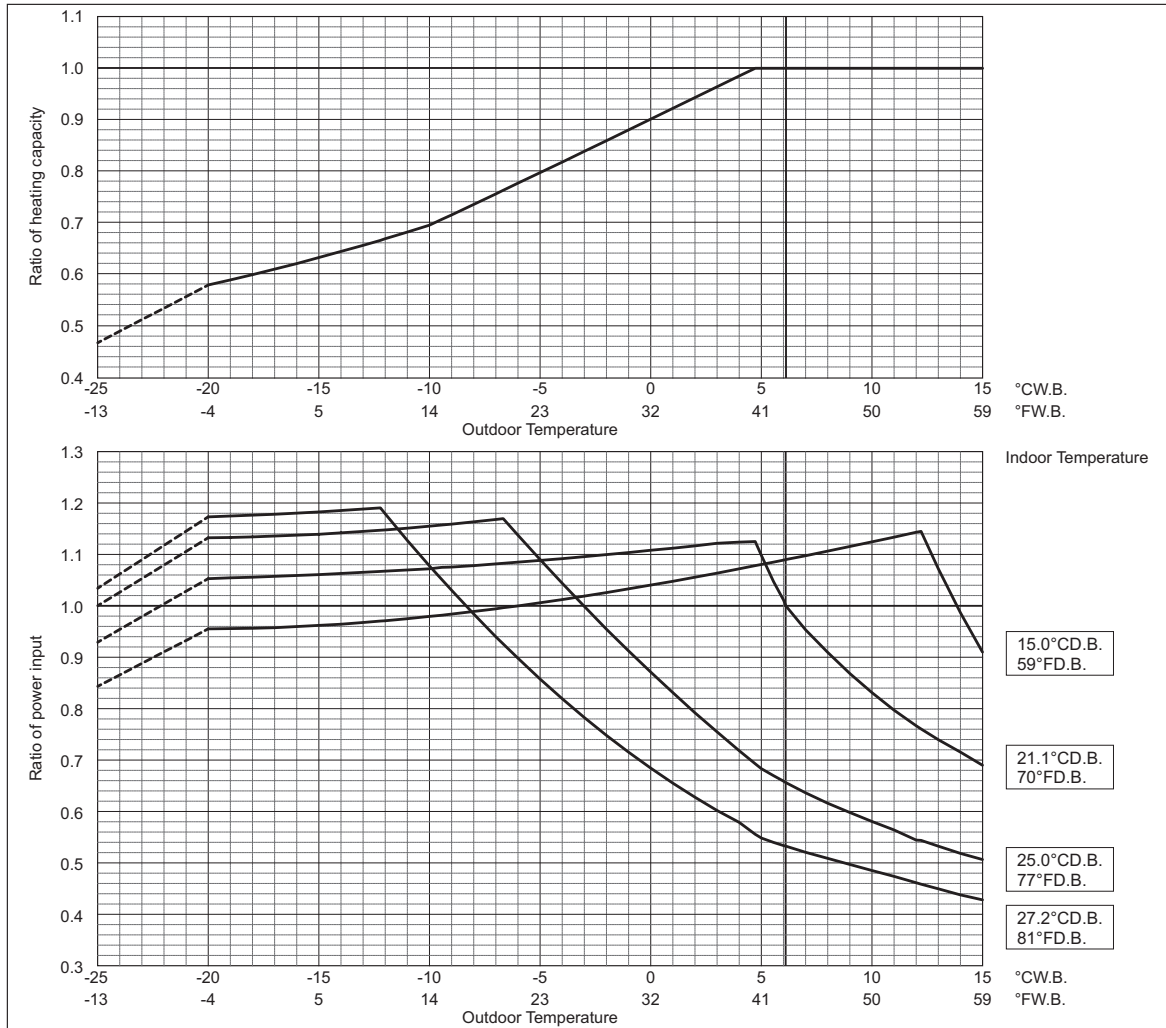


Outdoor unit temperature correction

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.

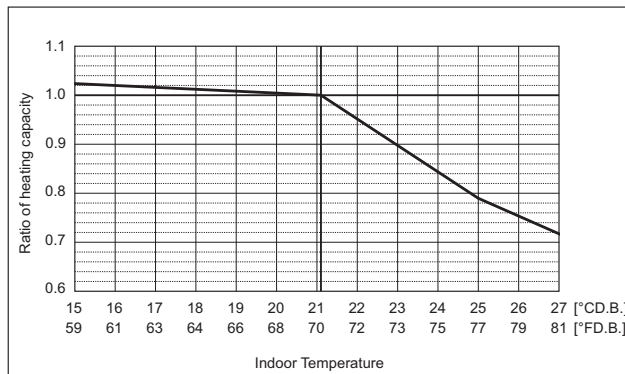
8-1-2. Heating Capacity

PUHY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	295,000	
	kW	86.5	
Rated heating capacity	BTU/h	281,000	
	kW	82.4	
Input	kW	23.11	
	kW	22.07	20.72

PUHY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	323,000	
	kW	94.7	
Rated heating capacity	BTU/h	308,000	
	kW	90.3	
Input	kW	25.36	
	kW	24.27	22.69

Indoor unit temperature correction

To be used to correct indoor unit capacity only

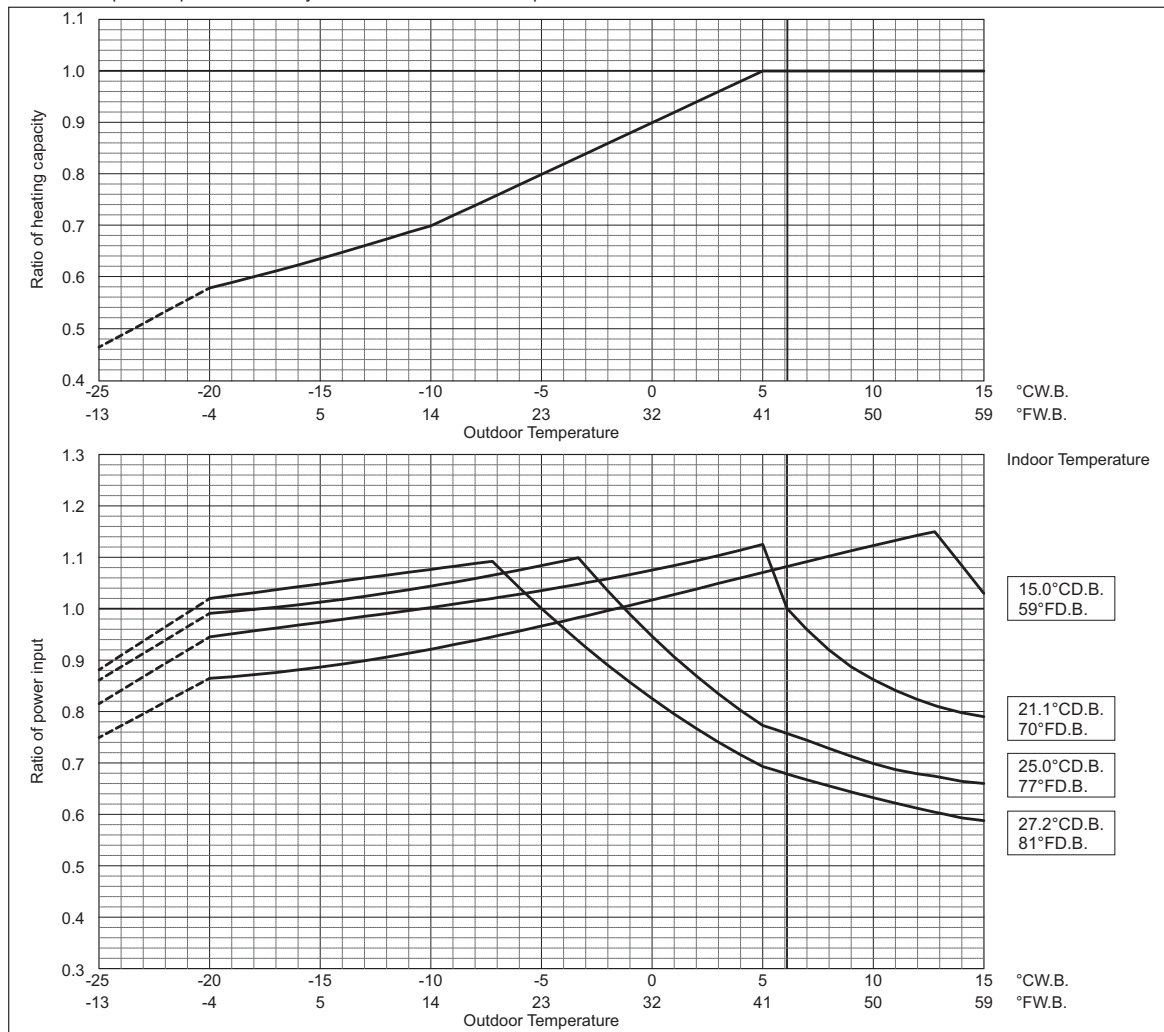


Outdoor unit temperature correction

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

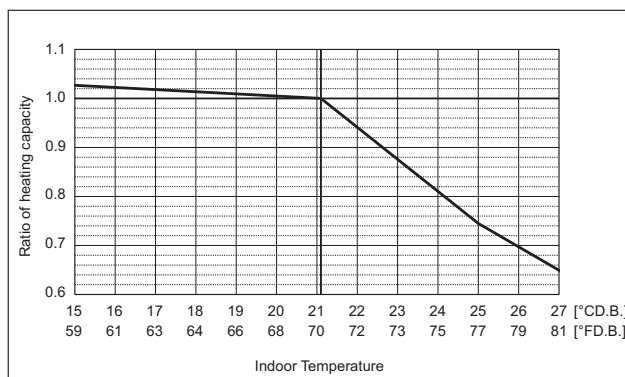
PUHY-		P312TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	350,000	
	kW	102.6	
	Input kW	28.71	
Rated heating capacity	BTU/h	334,000	
	kW	97.9	
	Input kW	27.53	25.64

PUHY-		P336TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	378,000	
	kW	110.8	
	Input kW	31.73	
Rated heating capacity	BTU/h	361,000	
	kW	105.8	
	Input kW	30.61	28.14

PUHY-		P360TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	405,000	
	kW	118.7	
	Input kW	35.39	
Rated heating capacity	BTU/h	387,000	
	kW	113.4	
	Input kW	34.30	31.23

Indoor unit temperature correction

To be used to correct indoor unit capacity only

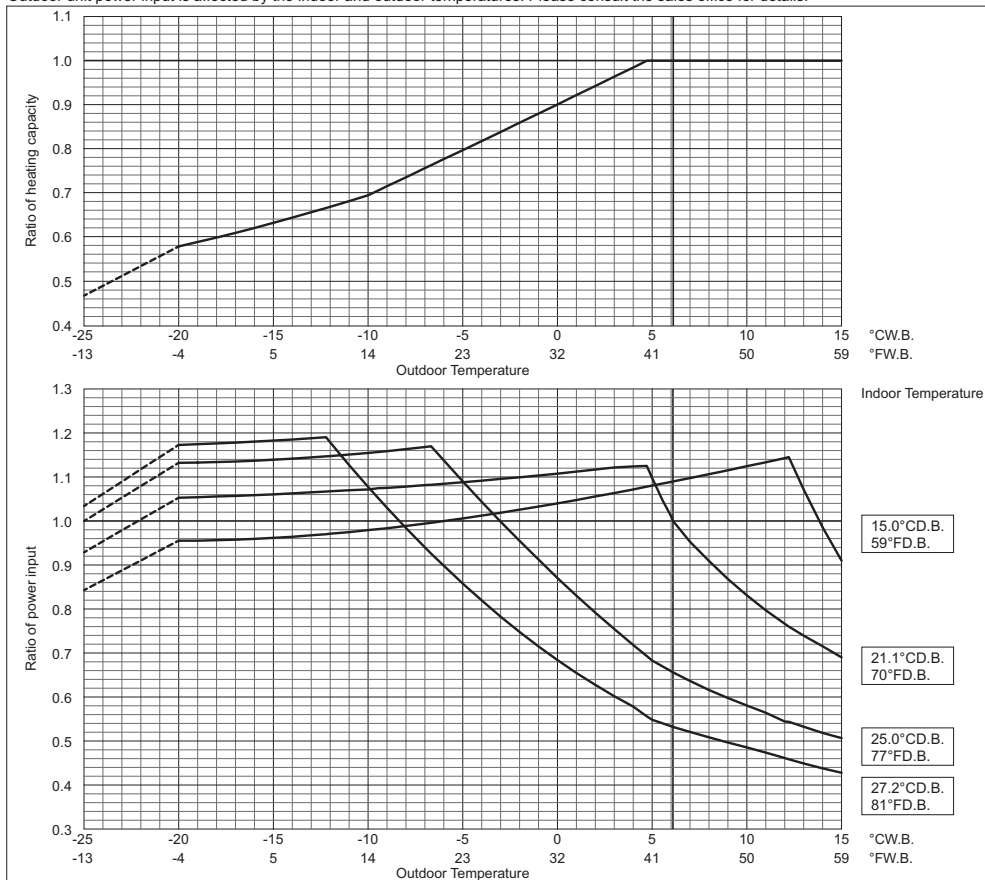


Outdoor unit temperature correction

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.

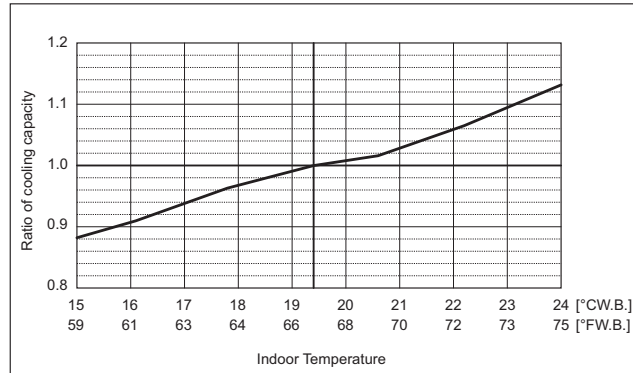
To select high-heating performance operation, DipSW6-2 must be set to ON. At low ambient temperatures, heating capacity and power input become higher than those seen in standard operation.

PUHY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	72,000	
	kW	21.1	
	Input kW	5.06	
Rated cooling capacity	BTU/h	69,000	
	kW	20.2	
	Input kW	4.58	4.79

PUHY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	96,000	
	kW	28.1	
	Input kW	7.00	
Rated cooling capacity	BTU/h	92,000	
	kW	27.0	
	Input kW	6.35	6.62

Indoor unit temperature correction

To be used to correct indoor unit capacity only

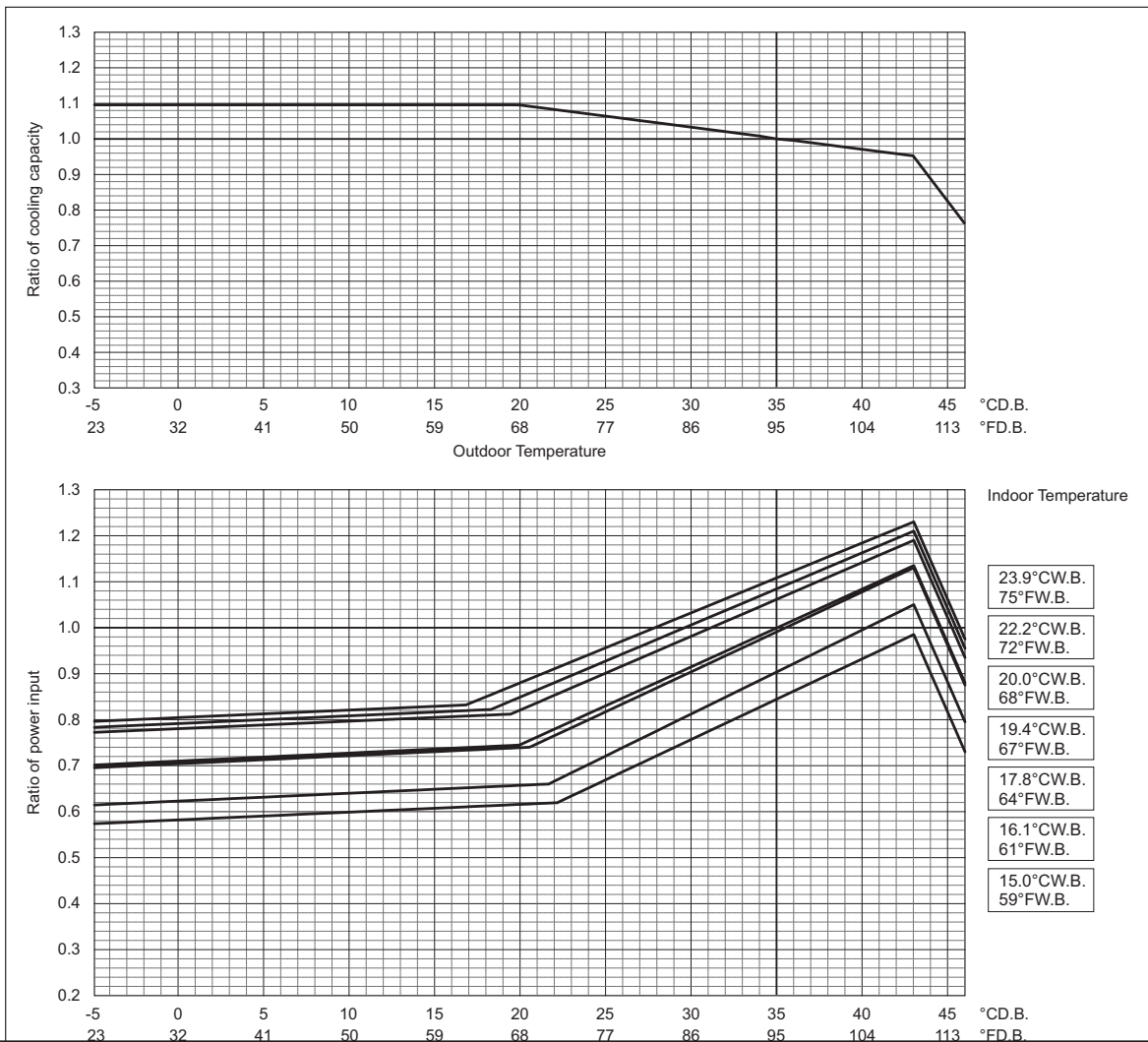


Outdoor unit temperature correction

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

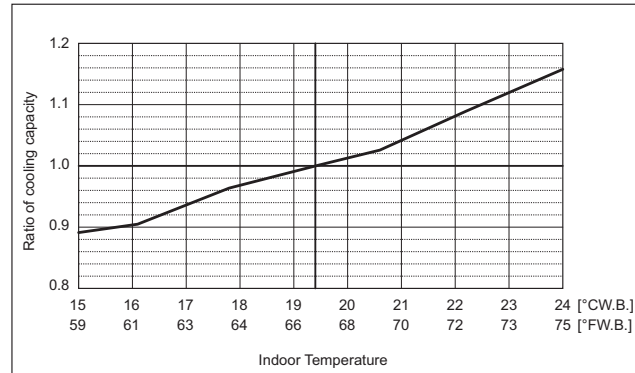
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-1. Cooling Capacity

PUHY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	120,000	
	kW	35.2	
	Input kW	9.09	
Rated cooling capacity	BTU/h	114,000	
	kW	33.4	
	Input kW	8.56	8.27

Indoor unit temperature correction

To be used to correct indoor unit capacity only

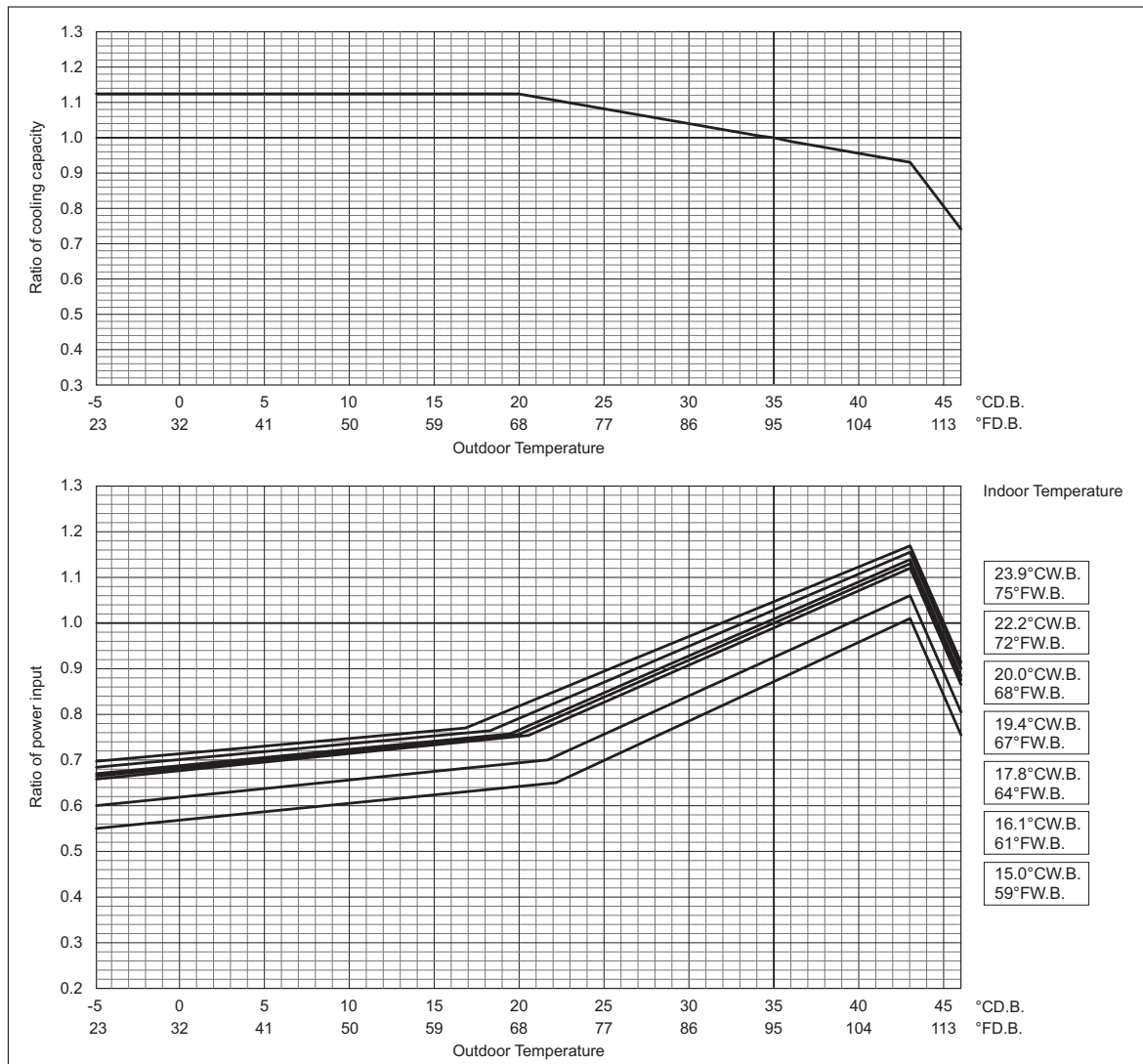


Outdoor unit temperature correction

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

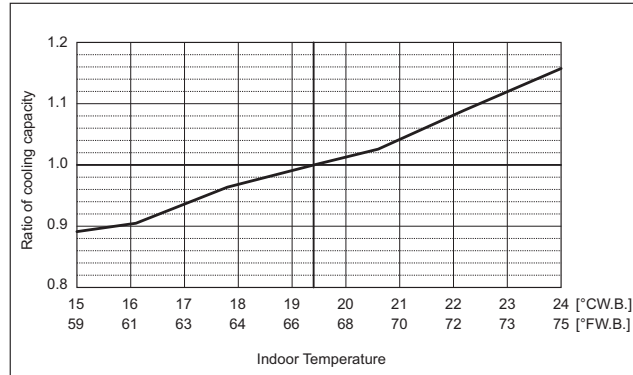
8-2. Correction by Temperature (High Heating Performance)

8-2-1. Cooling Capacity

PUHY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
	Input kW	11.84	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
	Input kW	11.13	10.79

Indoor unit temperature correction

To be used to correct indoor unit capacity only

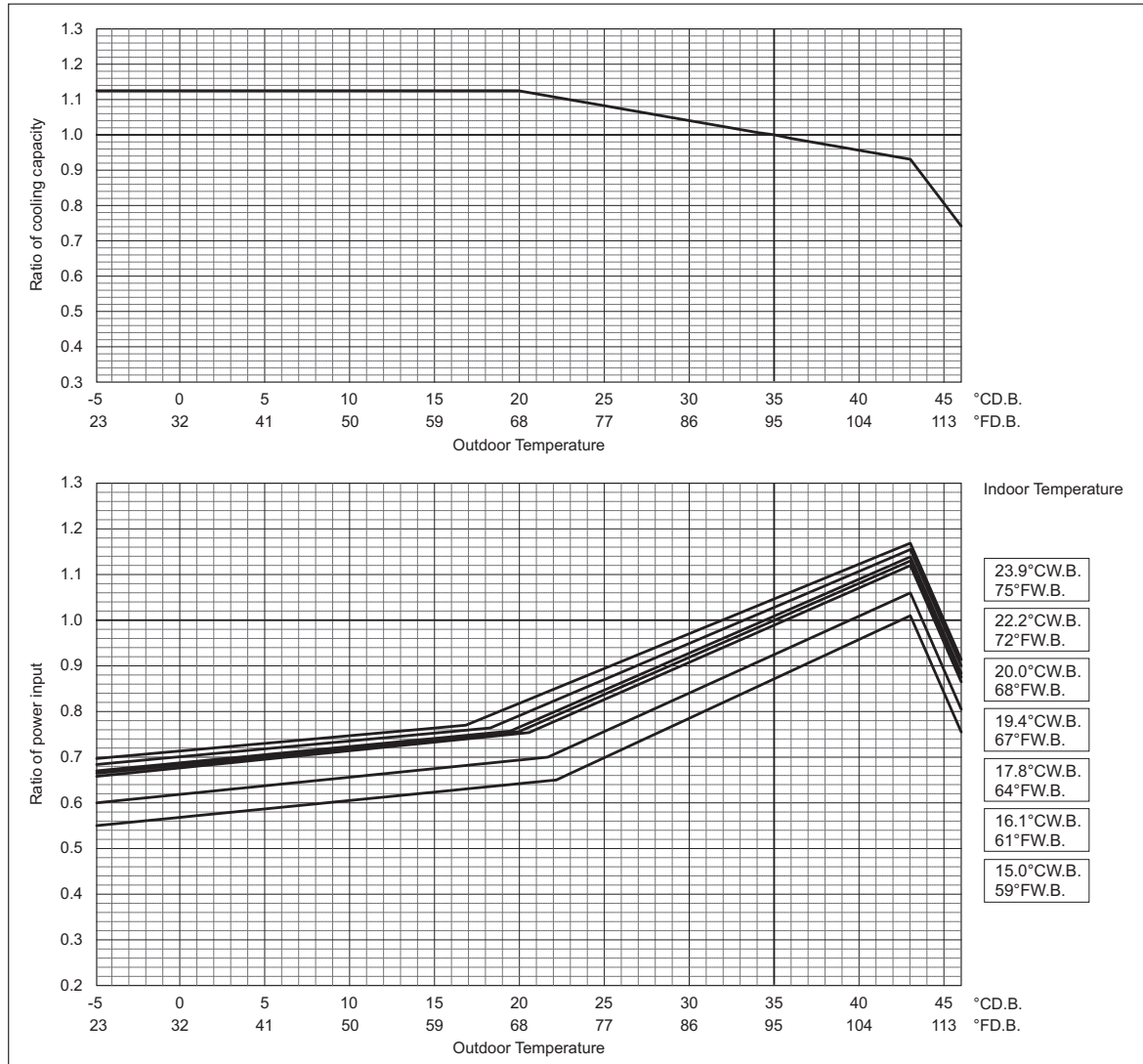


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

8-2-1. Cooling Capacity

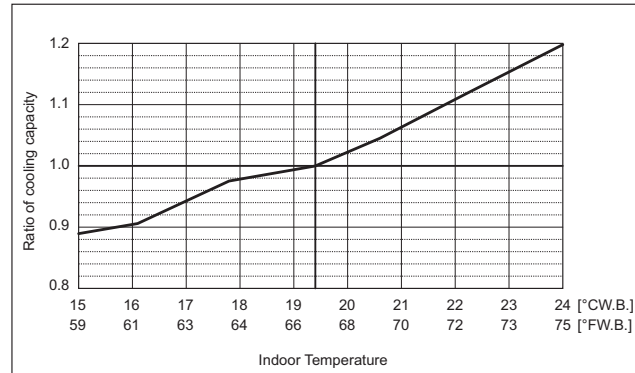
PUHY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	144,000	
	kW	42.2	
Rated cooling capacity	BTU/h	137,000	
	kW	40.2	
Input	kW	9.89	9.68

PUHY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	168,000	
	kW	49.2	
Rated cooling capacity	BTU/h	161,000	
	kW	47.2	
Input	kW	11.95	11.58

PUHY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	192,000	
	kW	56.3	
Rated cooling capacity	BTU/h	183,000	
	kW	53.6	
Input	kW	14.04	13.39

Indoor unit temperature correction

To be used to correct indoor unit capacity only

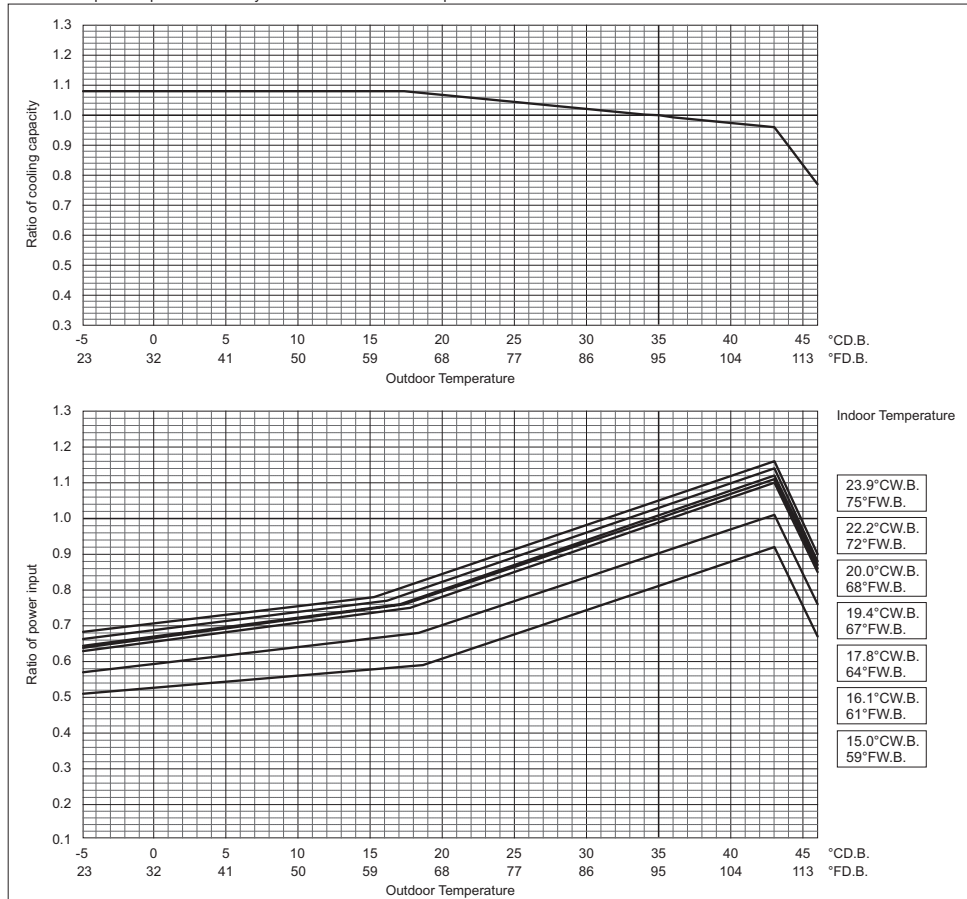


Outdoor unit temperature correction

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.

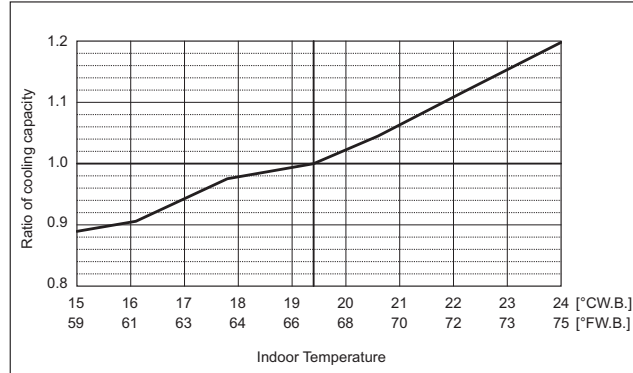
8-2-1. Cooling Capacity

PUHY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	216,000	
	kW	63.3	
Rated cooling capacity	BTU/h	206,000	
	kW	60.4	
Input	kW	16.90	

PUHY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	240,000	
	kW	70.3	
Rated cooling capacity	BTU/h	228,000	
	kW	66.8	
Input	kW	18.28	17.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

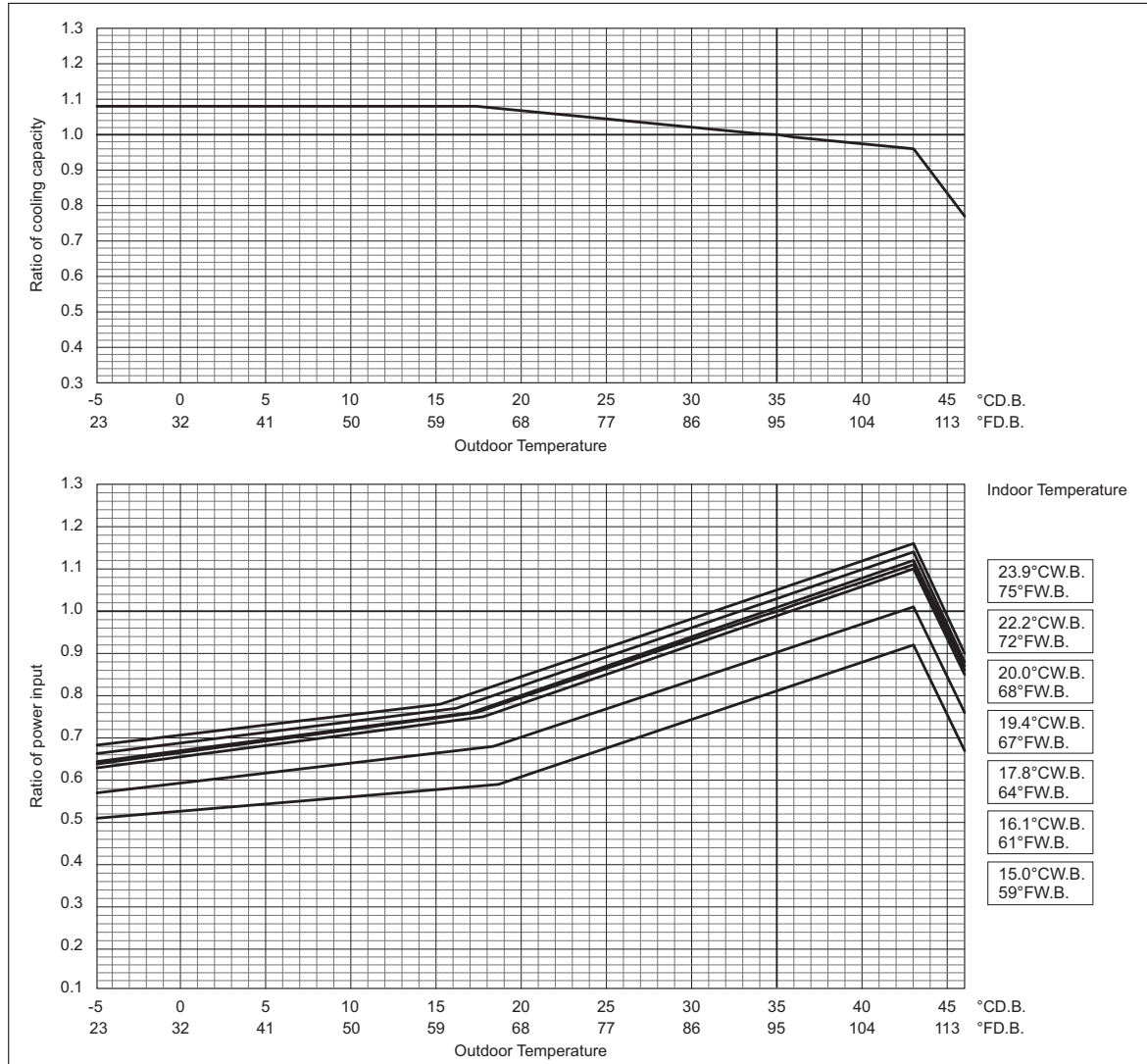


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

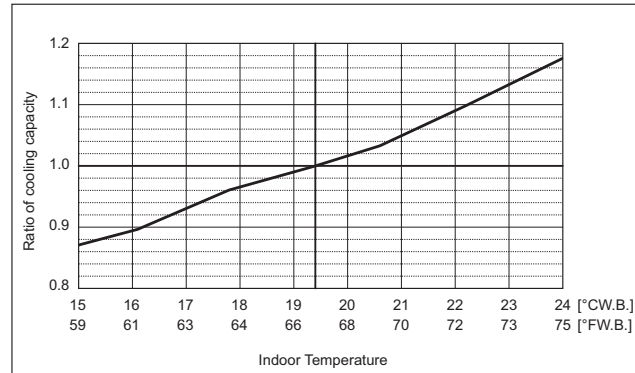
8-2-1. Cooling Capacity

PUHY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	264,000	
	kW	77.4	
	Input kW	20.35	
Rated cooling capacity	BTU/h	252,000	
	kW	73.9	
	Input kW	19.39	18.29

PUHY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	288,000	
	kW	84.4	
	Input kW	22.39	
Rated cooling capacity	BTU/h	275,000	
	kW	80.6	
	Input kW	21.33	20.13

Indoor unit temperature correction

To be used to correct indoor unit capacity only

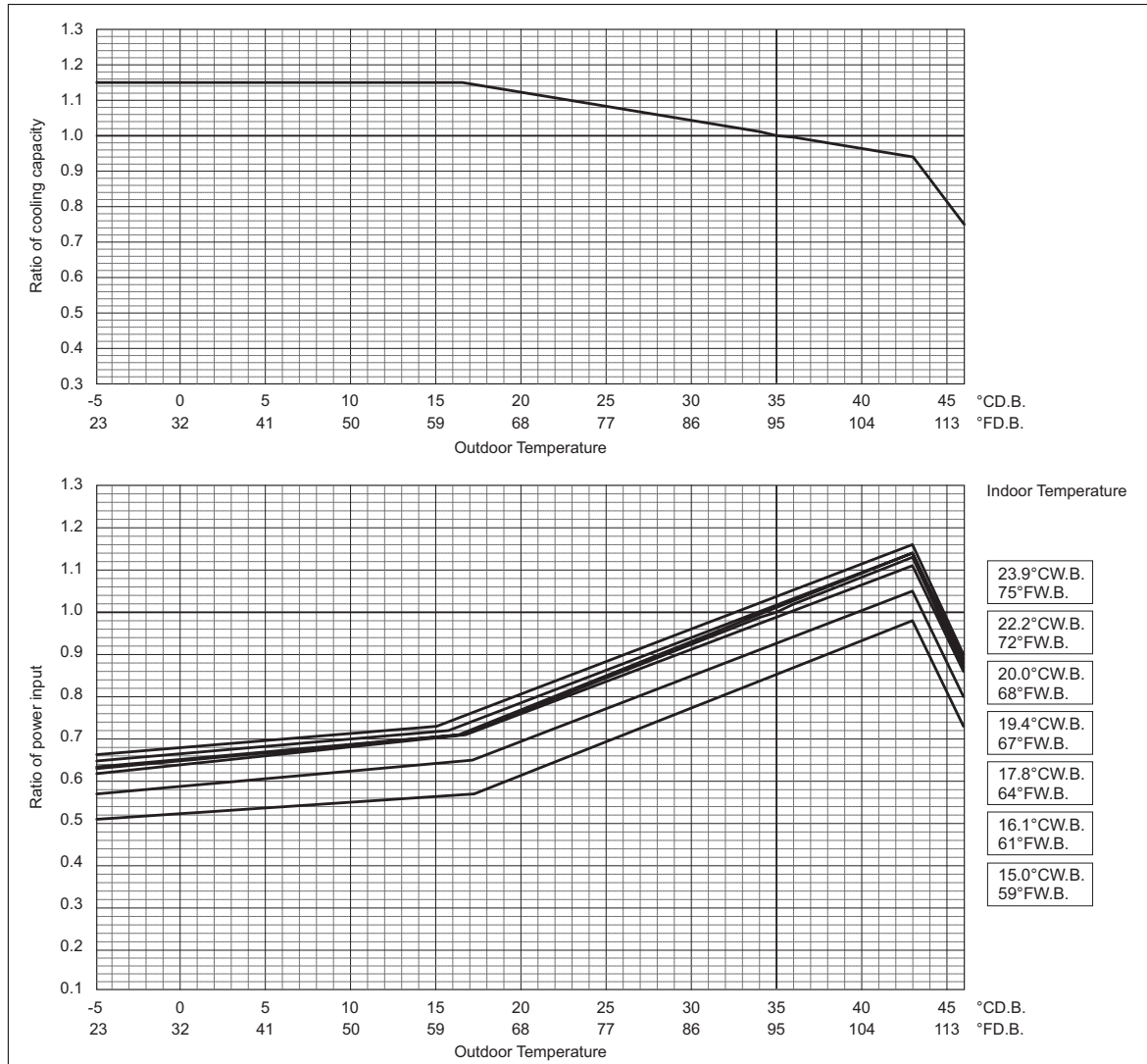


Outdoor unit temperature correction

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.



8. CAPACITY TABLES

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

8-2-1. Cooling Capacity

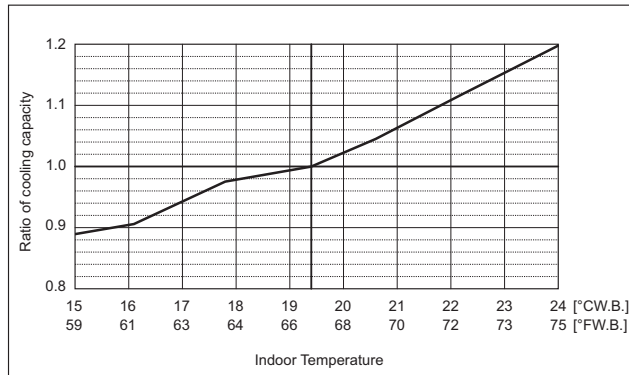
PUHY-		P312TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	312,000	
	kW	91.4	
	Input kW	24.87	
Rated cooling capacity	BTU/h	297,000	
	kW	87.0	
	Input kW	23.70	22.36

PUHY-		P336TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	336,000	
	kW	98.5	
	Input kW	27.21	
Rated cooling capacity	BTU/h	320,000	
	kW	93.8	
	Input kW	25.82	24.57

PUHY-		P360TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal cooling capacity	BTU/h	360,000	
	kW	105.5	
	Input kW	29.65	
Rated cooling capacity	BTU/h	342,000	
	kW	100.2	
	Input kW	28.14	26.77

Indoor unit temperature correction

To be used to correct indoor unit capacity only

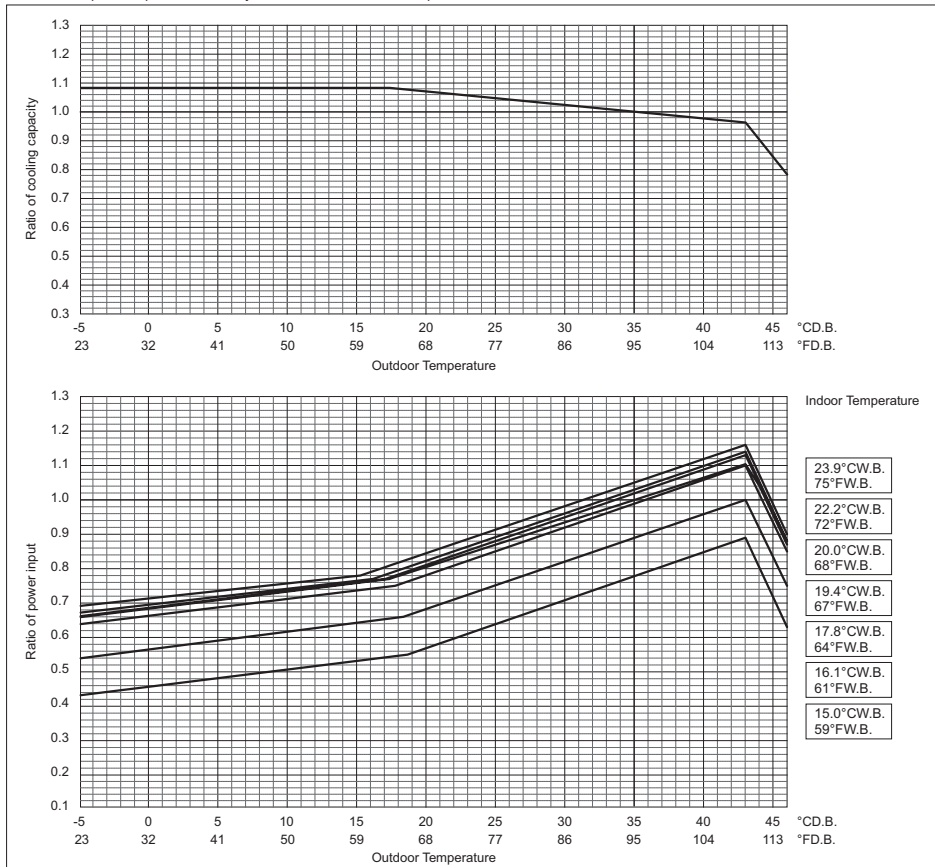


Outdoor unit temperature correction

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.

8-2-2. 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.

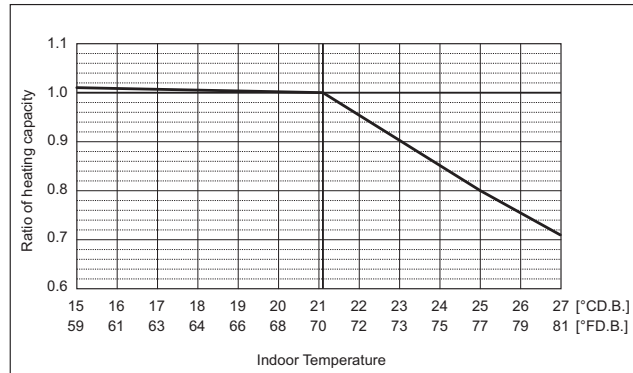
To select high-heating performance operation, DipSW6-2 must be set to ON. At low ambient temperatures, heating capacity and power input become higher than those seen in standard operation.

PUHY-		P72TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	80,000	
	kW	23.4	
	Input kW	5.62	
Rated heating capacity	BTU/h	76,000	
	kW	22.3	
	Input kW	5.04	5.36

PUHY-		P96TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	108,000	
	kW	31.7	
	Input kW	7.47	
Rated heating capacity	BTU/h	103,000	
	kW	30.2	
	Input kW	6.79	7.04

Indoor unit temperature correction

To be used to correct indoor unit capacity only

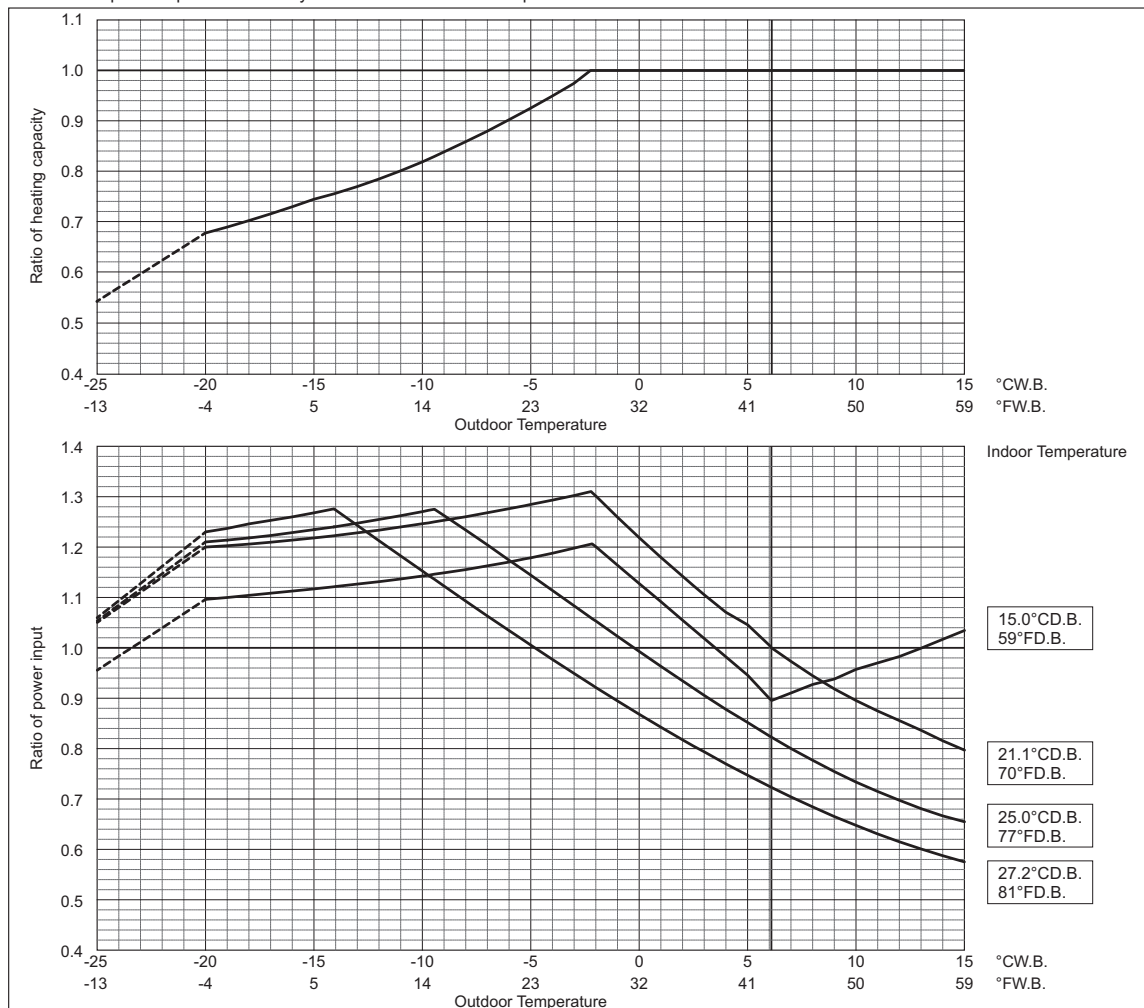


Outdoor unit temperature correction

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

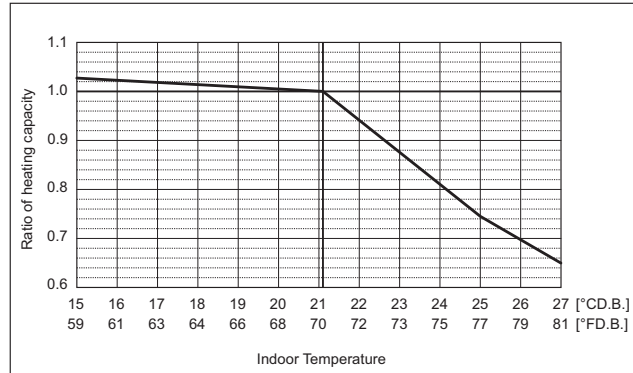
8-2. Correction by Temperature (High Heating Performance), cont.

8-2-2. Heating Capacity

PUHY-		P120TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	135,000	
	kW	39.6	
	Input kW	10.28	
Rated heating capacity	BTU/h	129,000	
	kW	37.8	
	Input kW	9.46	9.57

Indoor unit temperature correction

To be used to correct indoor unit capacity only

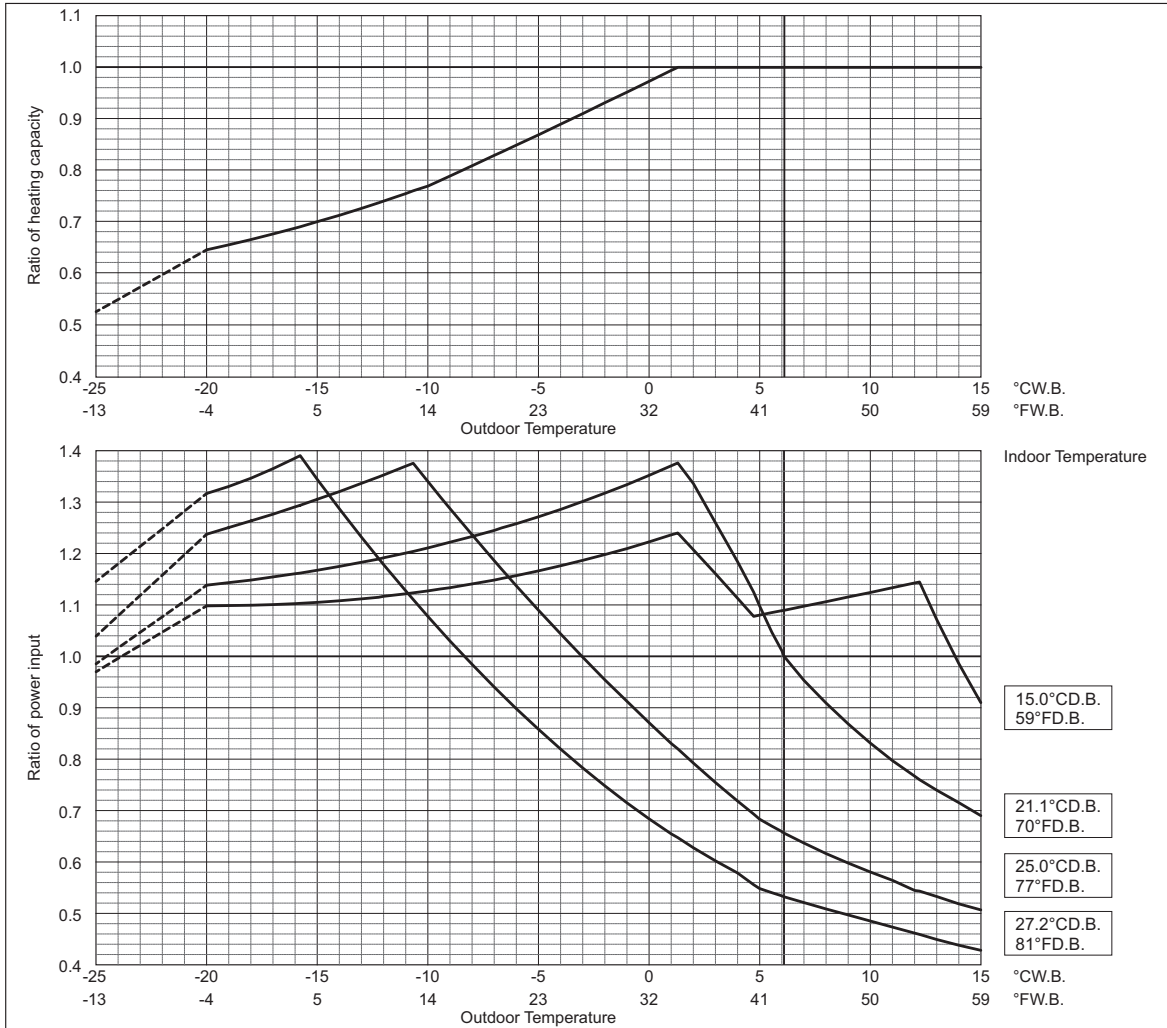


Outdoor unit temperature correction

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

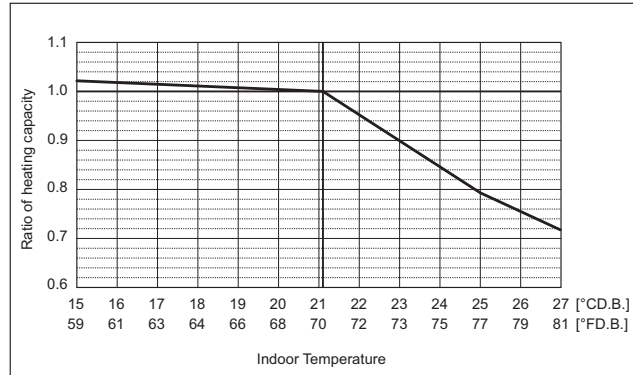
8-2. Correction by Temperature (High Heating Performance)

8-2-2. Heating Capacity

PUHY-		P144TKMU/YKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
Input	kW	11.49	11.61

Indoor unit temperature correction

To be used to correct indoor unit capacity only

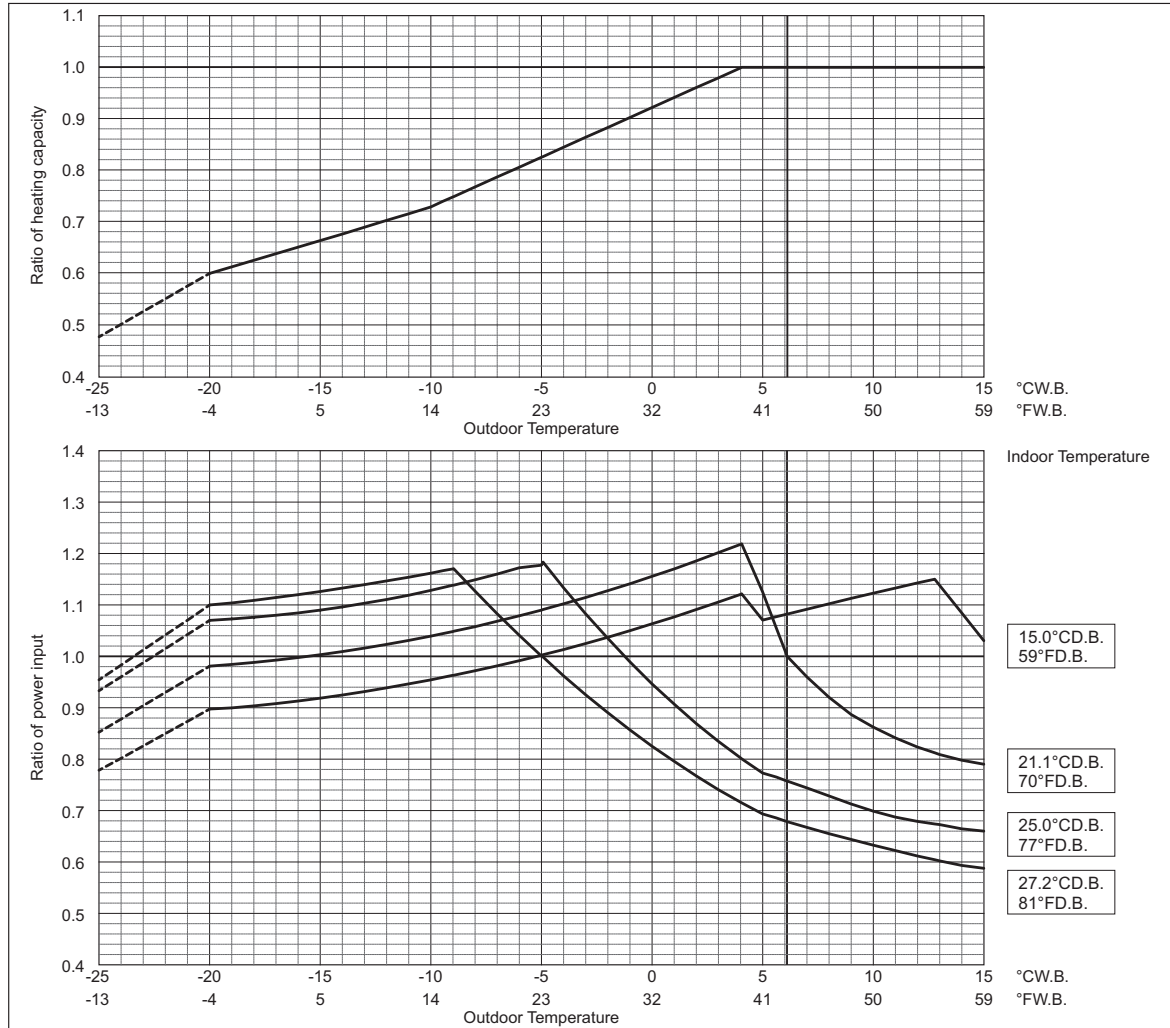


Outdoor unit temperature correction

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

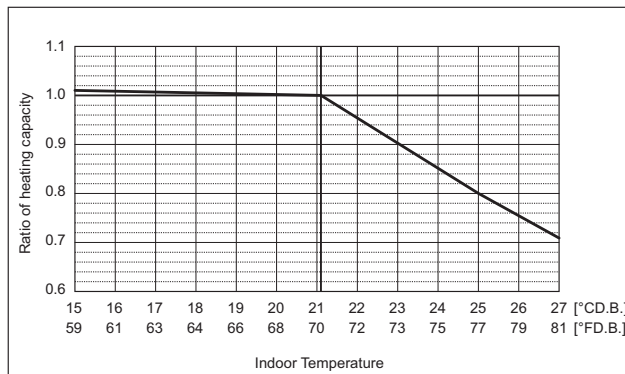
PUHY-		P144YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	160,000	
	kW	46.9	
	Input kW	11.68	
Rated heating capacity	BTU/h	152,000	
	kW	44.5	
	Input kW	10.79	10.84

PUHY-		P168TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	188,000	
	kW	55.1	
	Input kW	14.02	
Rated heating capacity	BTU/h	179,000	
	kW	52.5	
	Input kW	13.16	12.80

PUHY-		P192TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	215,000	
	kW	63.0	
	Input kW	16.91	
Rated heating capacity	BTU/h	205,000	
	kW	60.1	
	Input kW	16.00	15.31

Indoor unit temperature correction

To be used to correct indoor unit capacity only

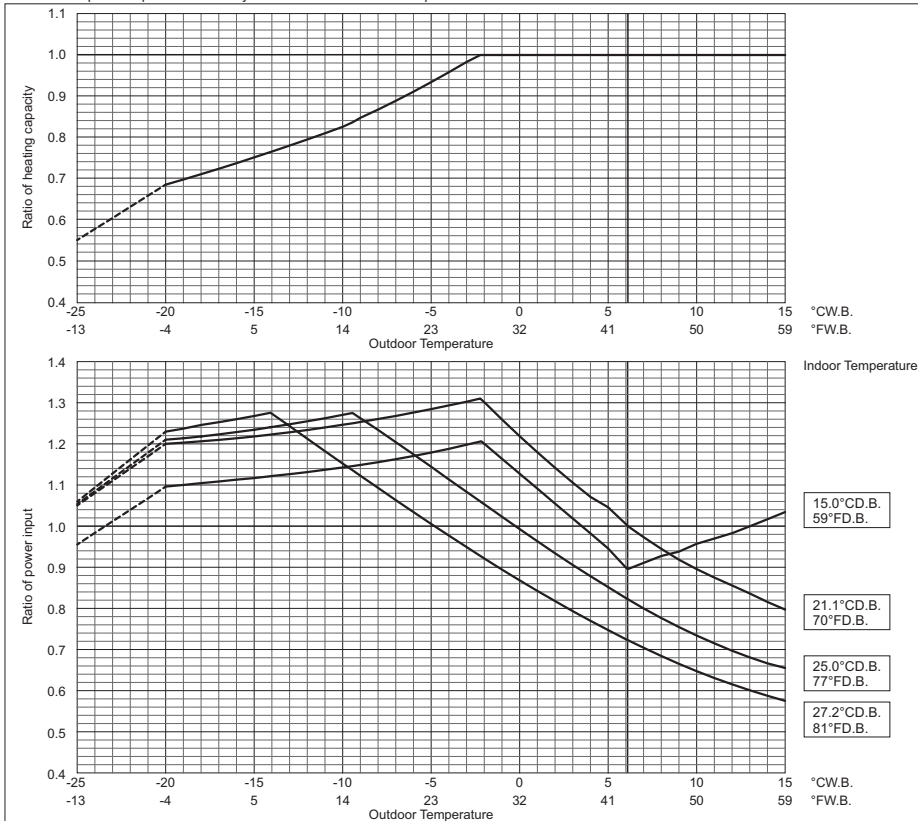


Outdoor unit temperature correction

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.

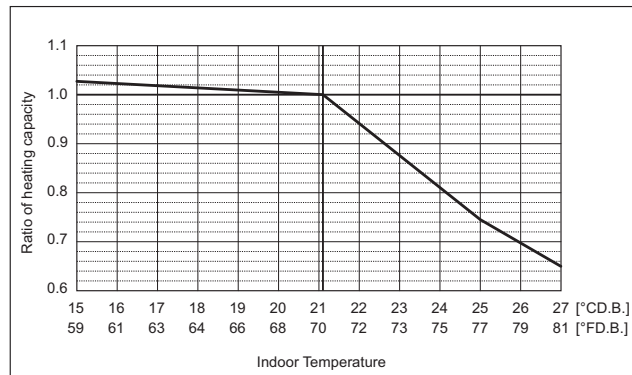
8-2-2. Heating Capacity

PUHY-		P216TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	243,000	
	kW	71.2	
	Input kW	19.26	
Rated heating capacity	BTU/h	232,000	
	kW	68.0	
	Input kW	18.40	17.27

PUHY-		P240TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	270,000	
	kW	79.1	
	Input kW	21.86	
Rated heating capacity	BTU/h	258,000	
	kW	75.6	
	Input kW	20.70	19.78

Indoor unit temperature correction

To be used to correct indoor unit capacity only

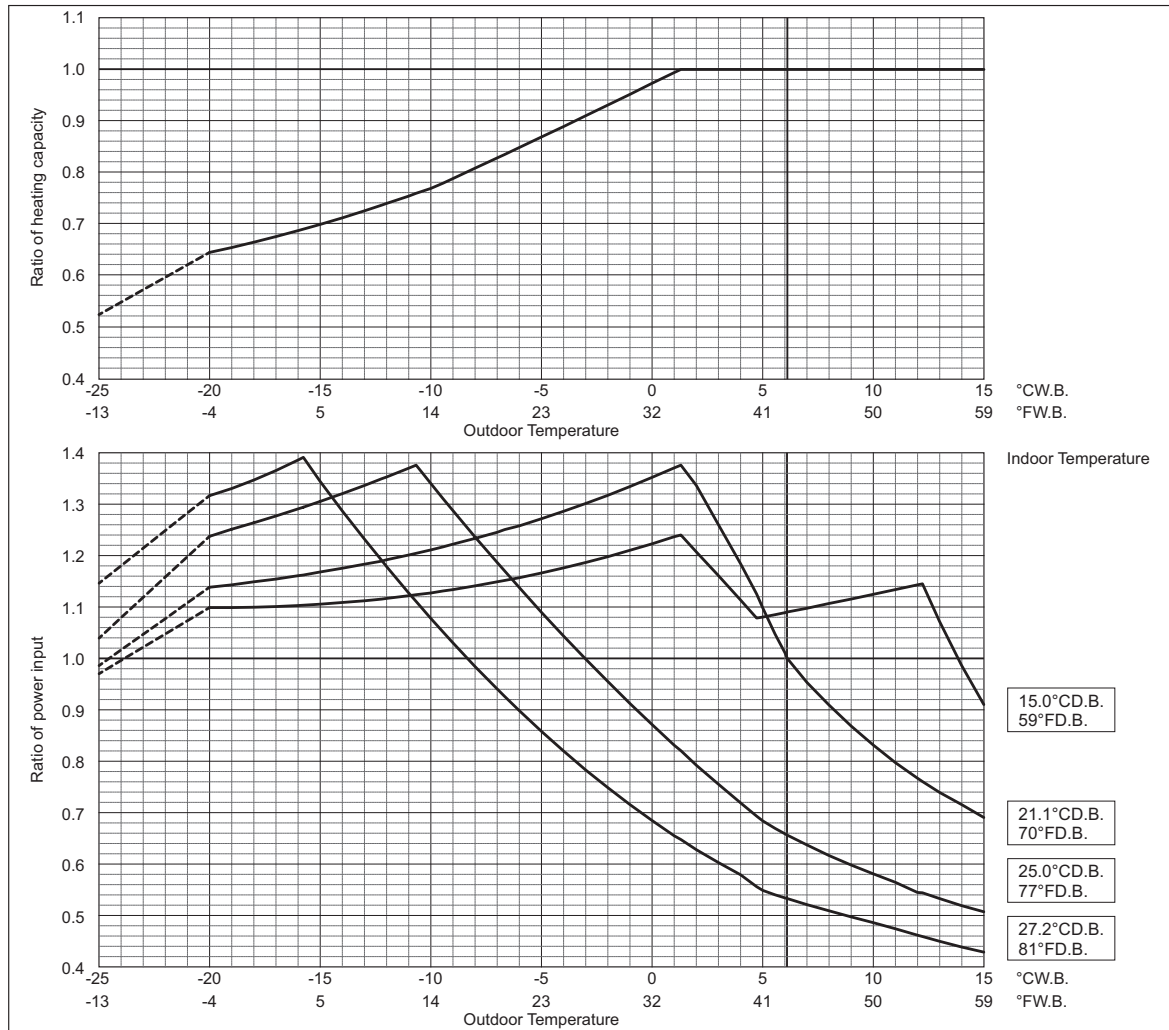


Outdoor unit temperature correction

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.

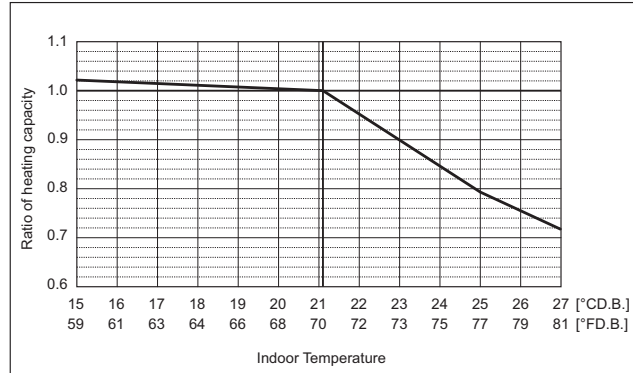
8-2-2. Heating Capacity

PUHY-		P264TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	295,000	
	kW	86.5	
	Input kW	23.11	
Rated heating capacity	BTU/h	281,000	
	kW	82.4	
	Input kW	22.07	20.72

PUHY-		P288TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	323,000	
	kW	94.7	
	Input kW	25.36	
Rated heating capacity	BTU/h	308,000	
	kW	90.3	
	Input kW	24.27	22.69

Indoor unit temperature correction

To be used to correct indoor unit capacity only

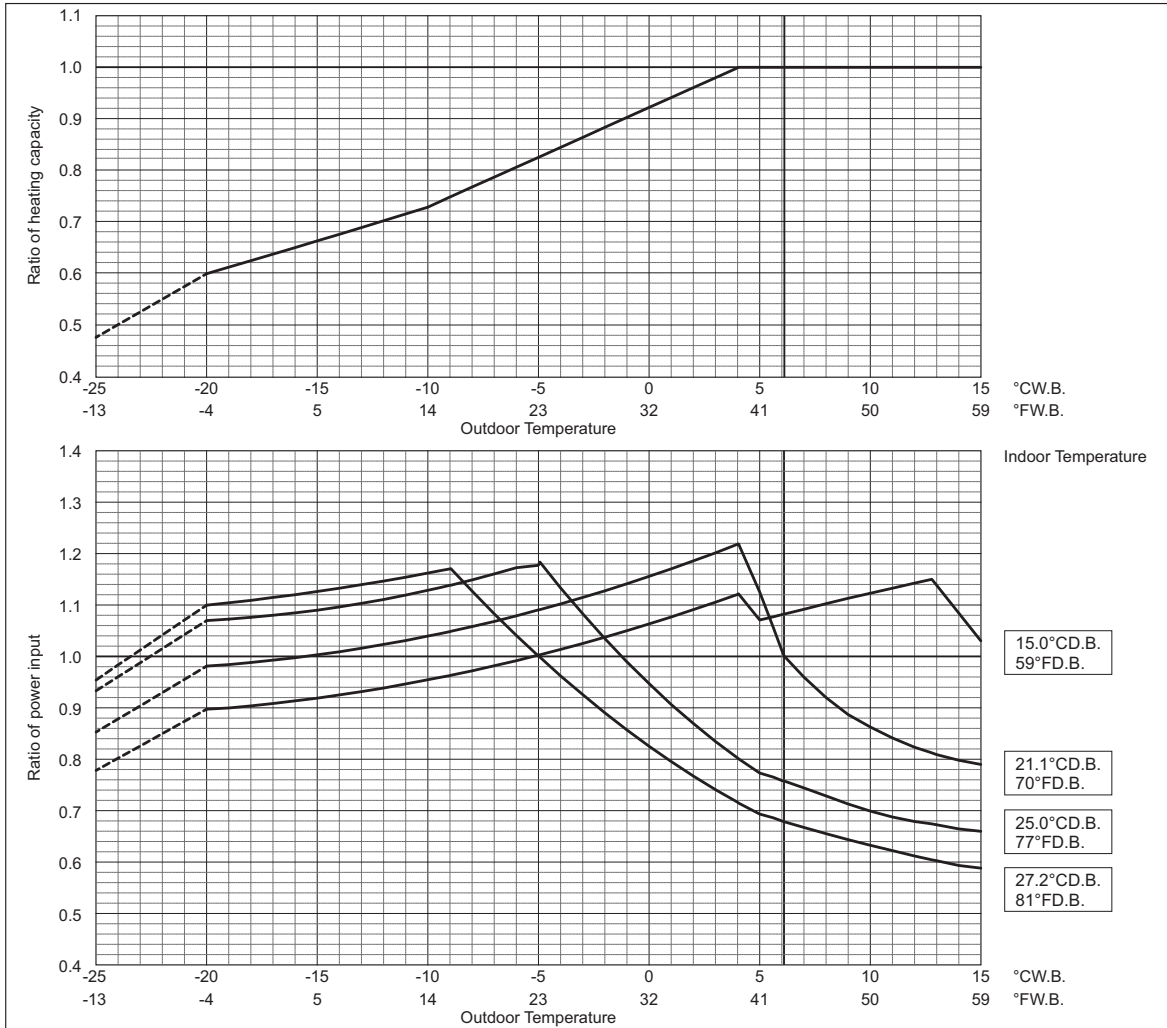


Outdoor unit temperature correction

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

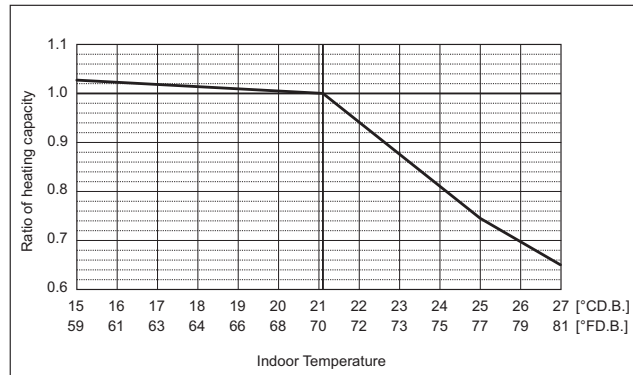
PUHY-		P312TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	350,000	
	kW	102.6	
	Input kW	28.71	
Rated heating capacity	BTU/h	334,000	
	kW	97.9	
	Input kW	27.53	25.64

PUHY-		P336TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	378,000	
	kW	110.8	
	Input kW	31.73	
Rated heating capacity	BTU/h	361,000	
	kW	105.8	
	Input kW	30.61	28.14

PUHY-		P360TSKMU/YSKMU	
		Non-Ducted	Ducted
Nominal heating capacity	BTU/h	405,000	
	kW	118.7	
	Input kW	35.39	
Rated heating capacity	BTU/h	387,000	
	kW	113.4	
	Input kW	34.30	31.23

Indoor unit temperature correction

To be used to correct indoor unit capacity only

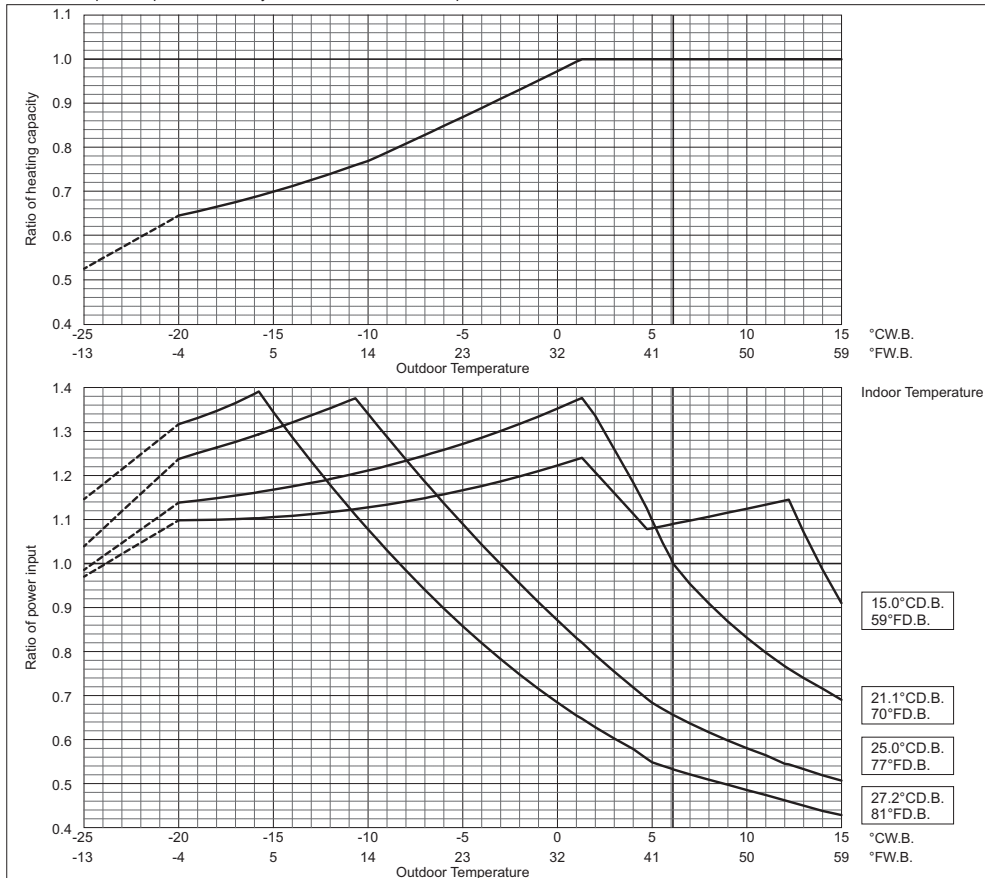


Outdoor unit temperature correction

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.



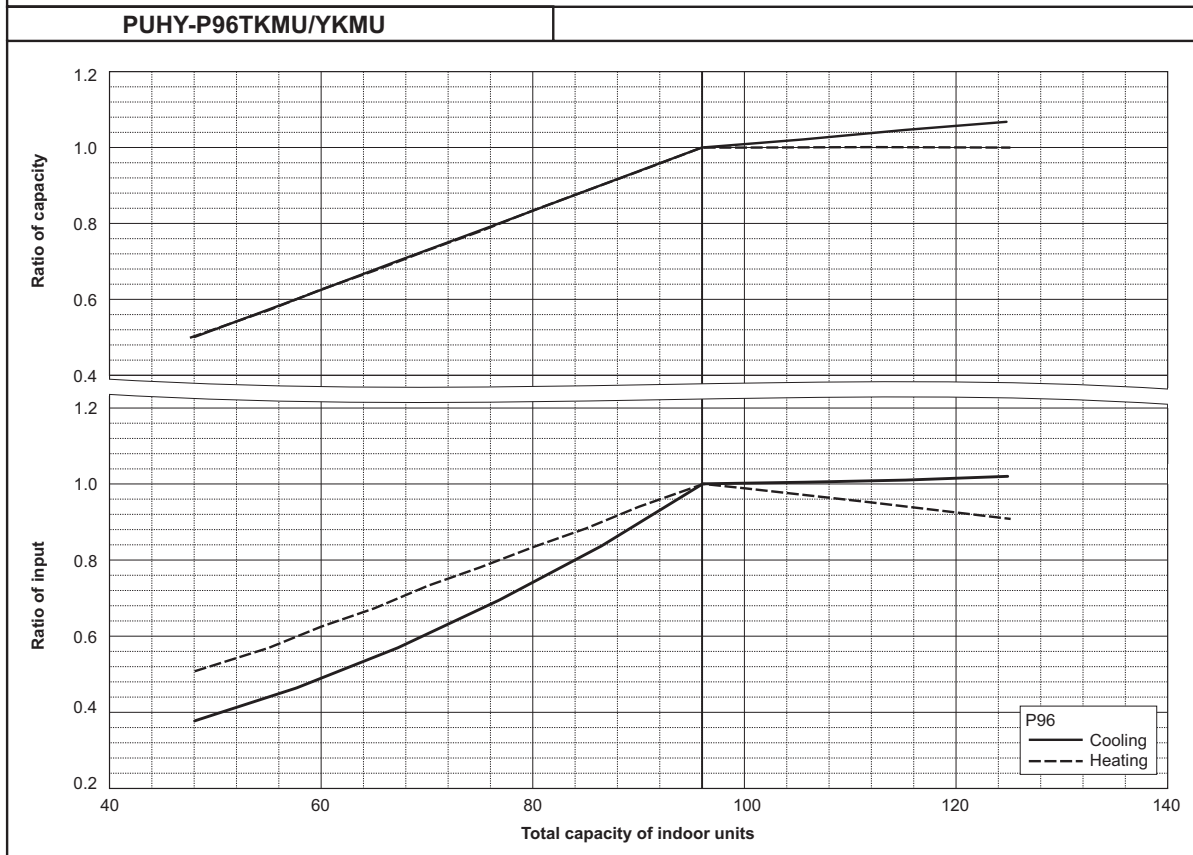
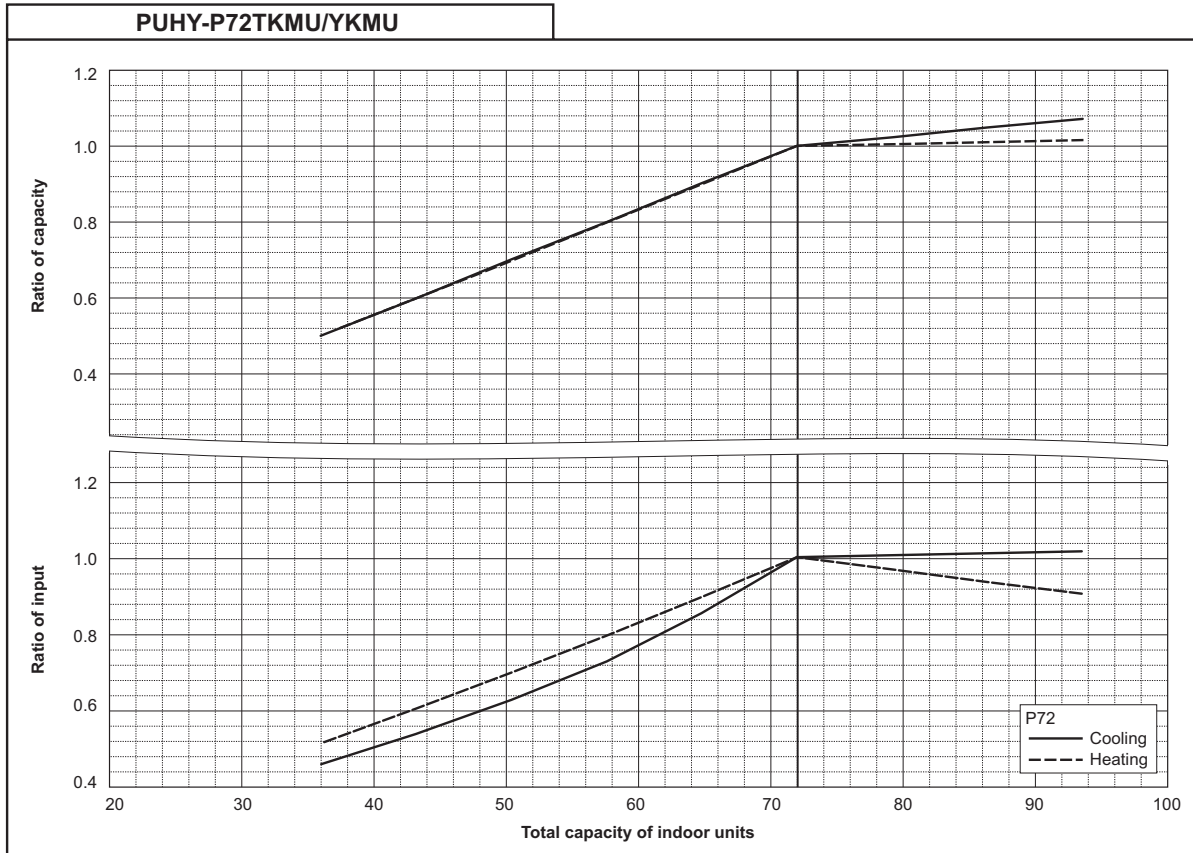
Values in the heating temperature correction diagram in the range below -20°C (-4°F) are reference values and not guaranteed values. Do not use these reference values for selecting outdoor unit models.

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

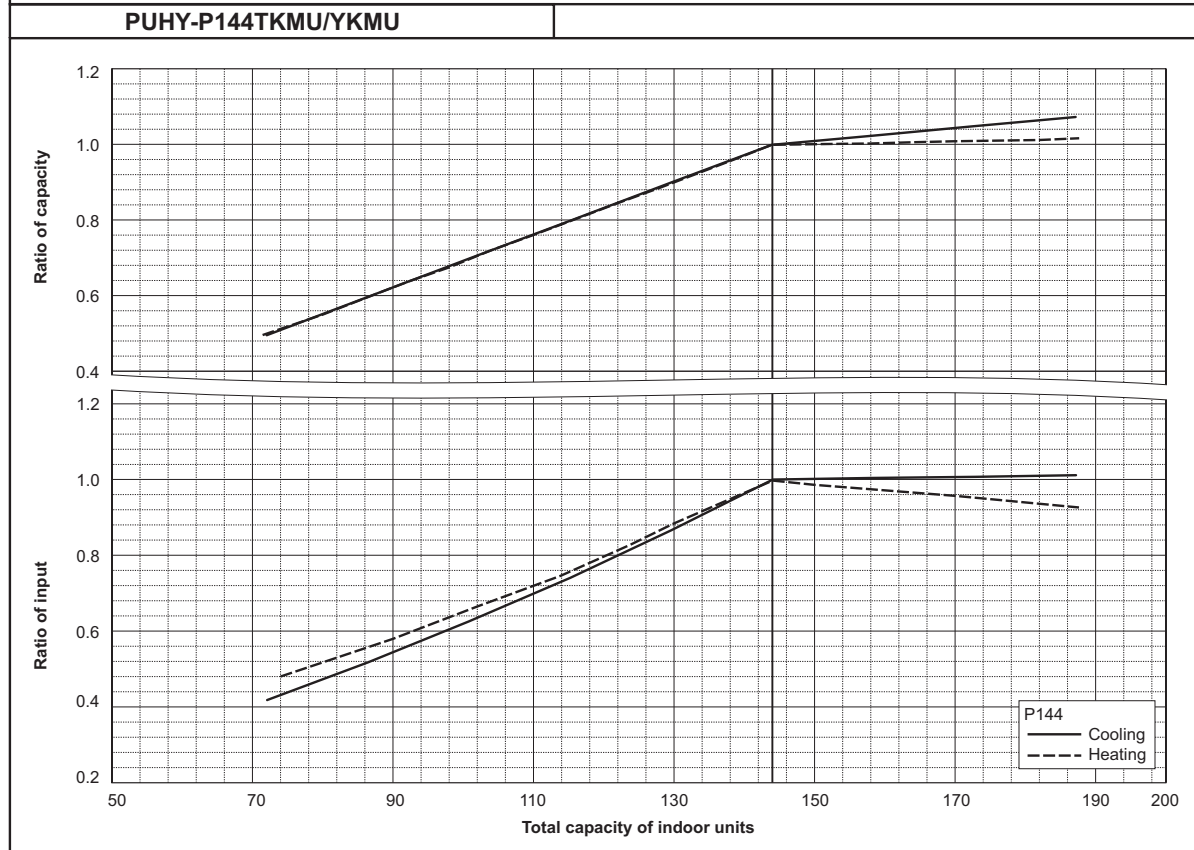
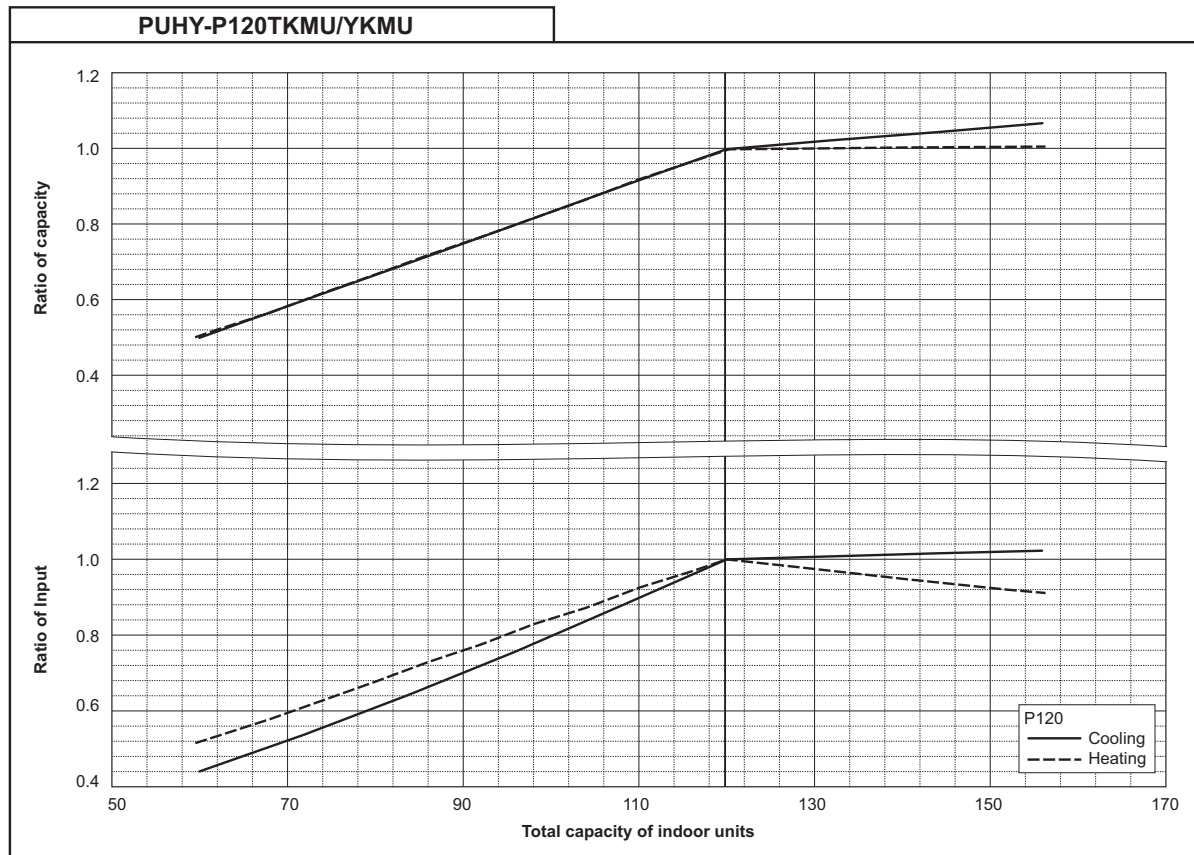
8. CAPACITY TABLES

8-3. Correction by Total Indoor

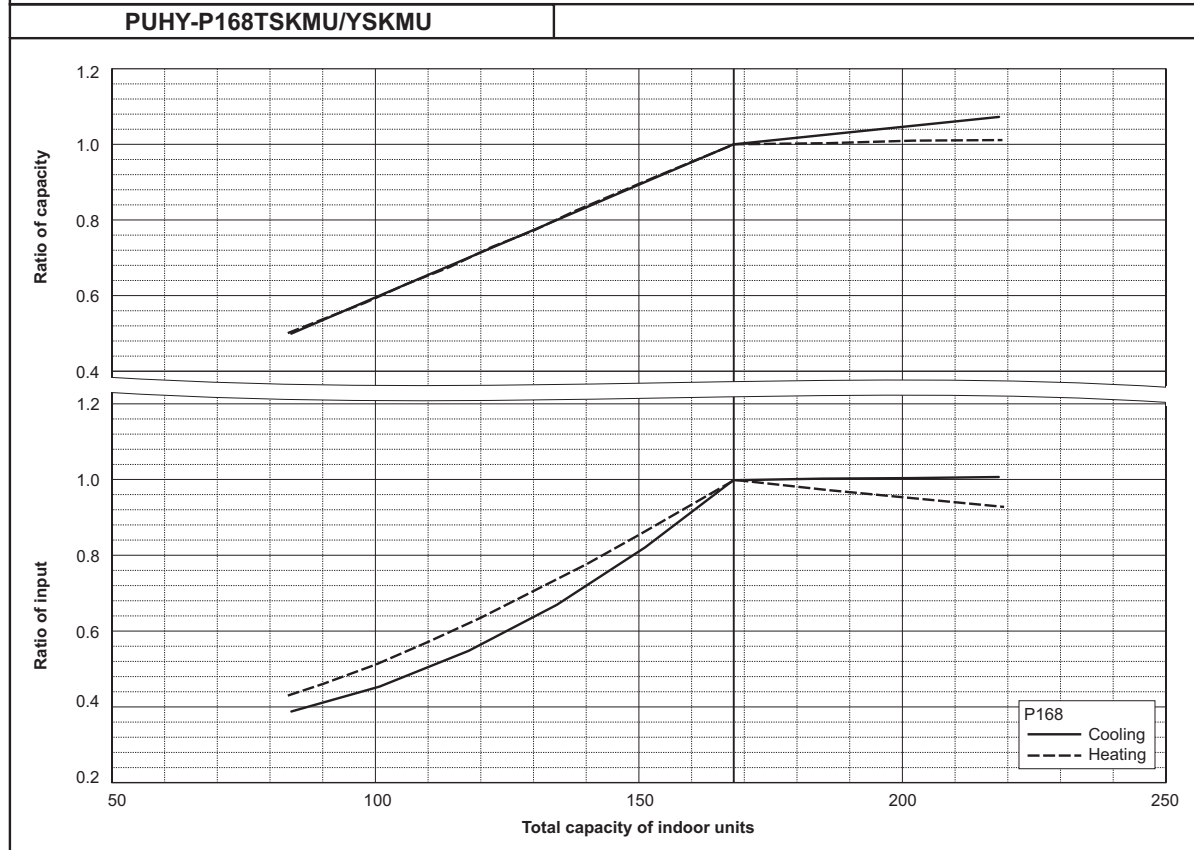
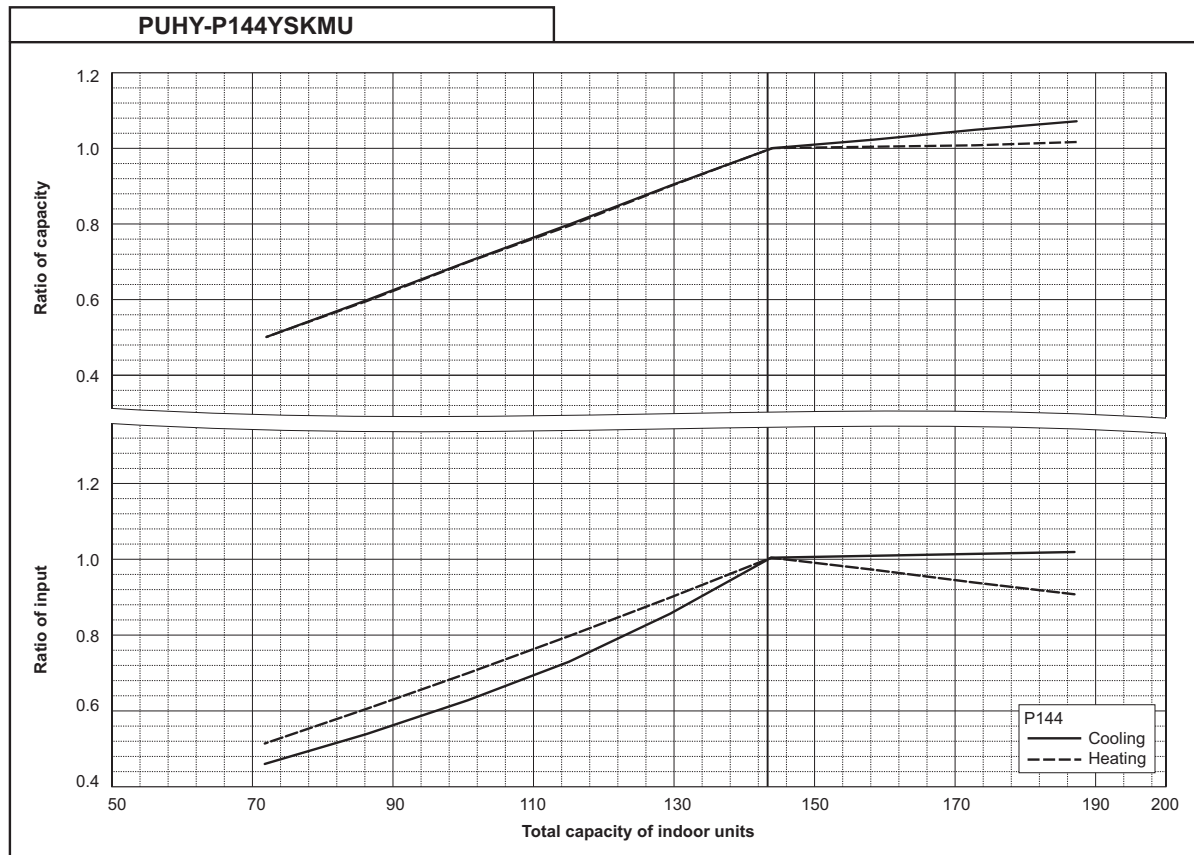
CITY MULTI systems have different capacities and inputs when different combinations of indoor units with different total capacities are connected. Using following tables, the maximum capacity can be found to ensure the system is installed with enough capacity for a particular application.



8. CAPACITY TABLES

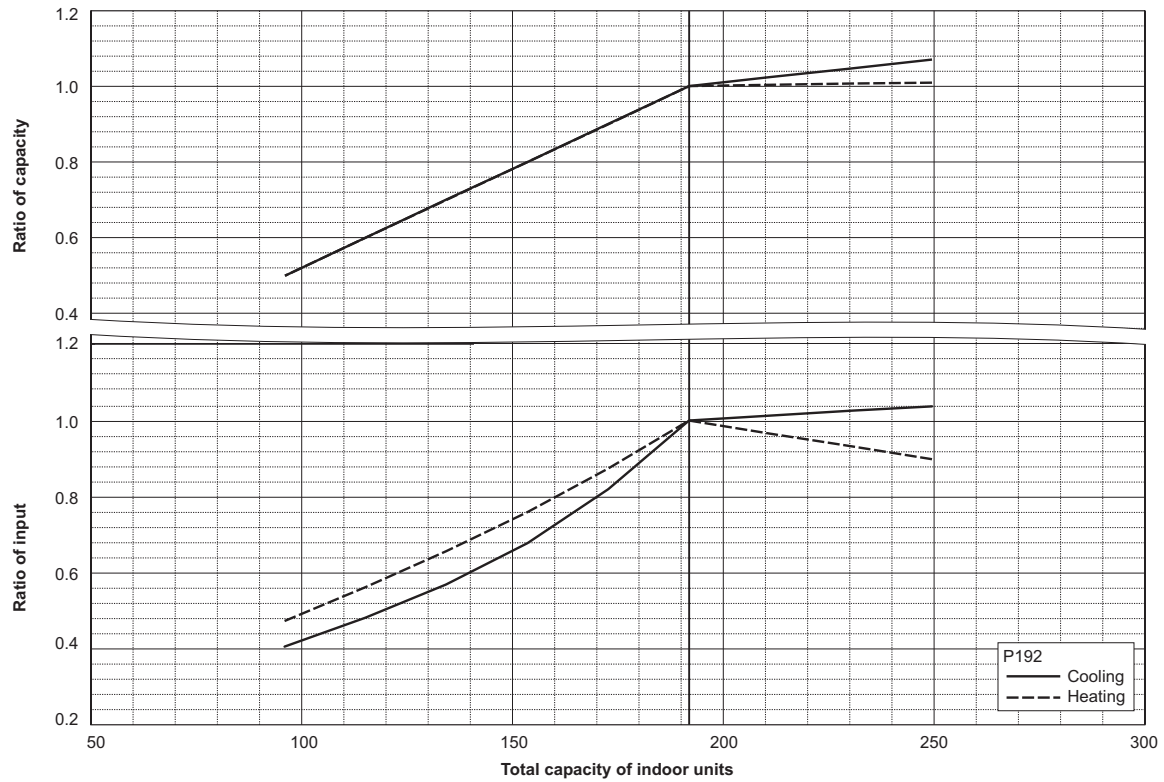


8. CAPACITY TABLES

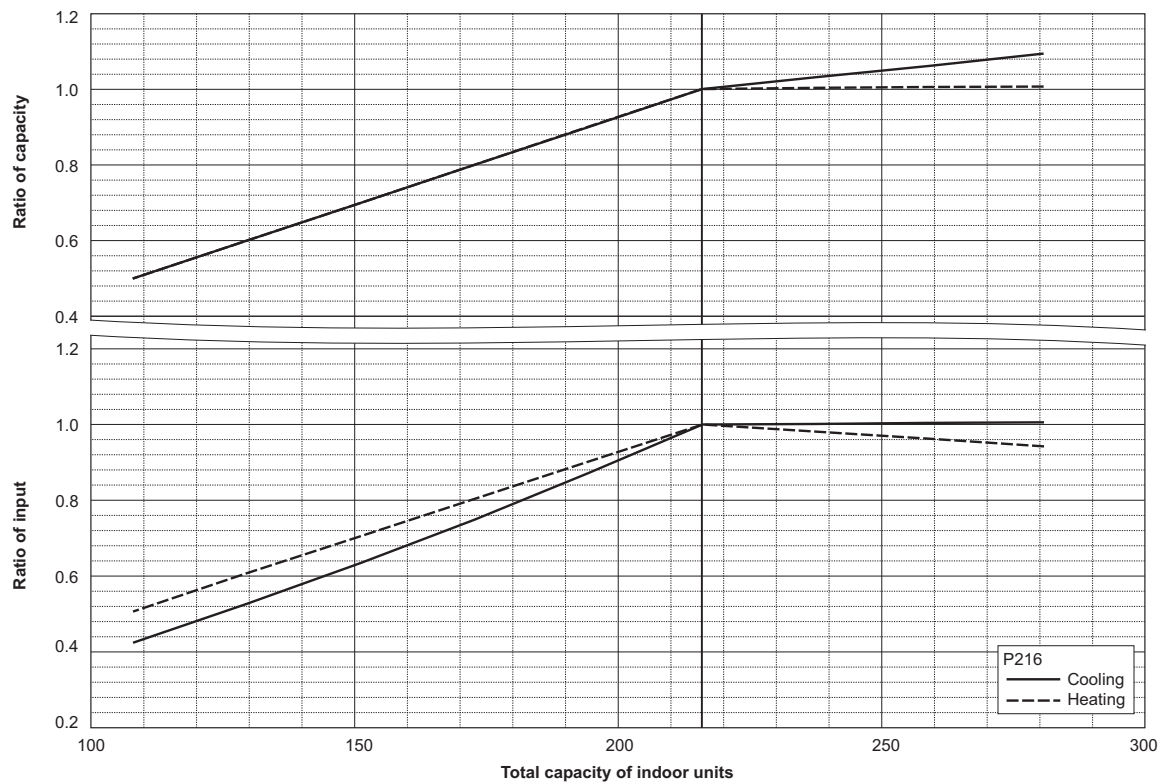


8. CAPACITY TABLES

PUHY-P192TSKMU/YSKMU

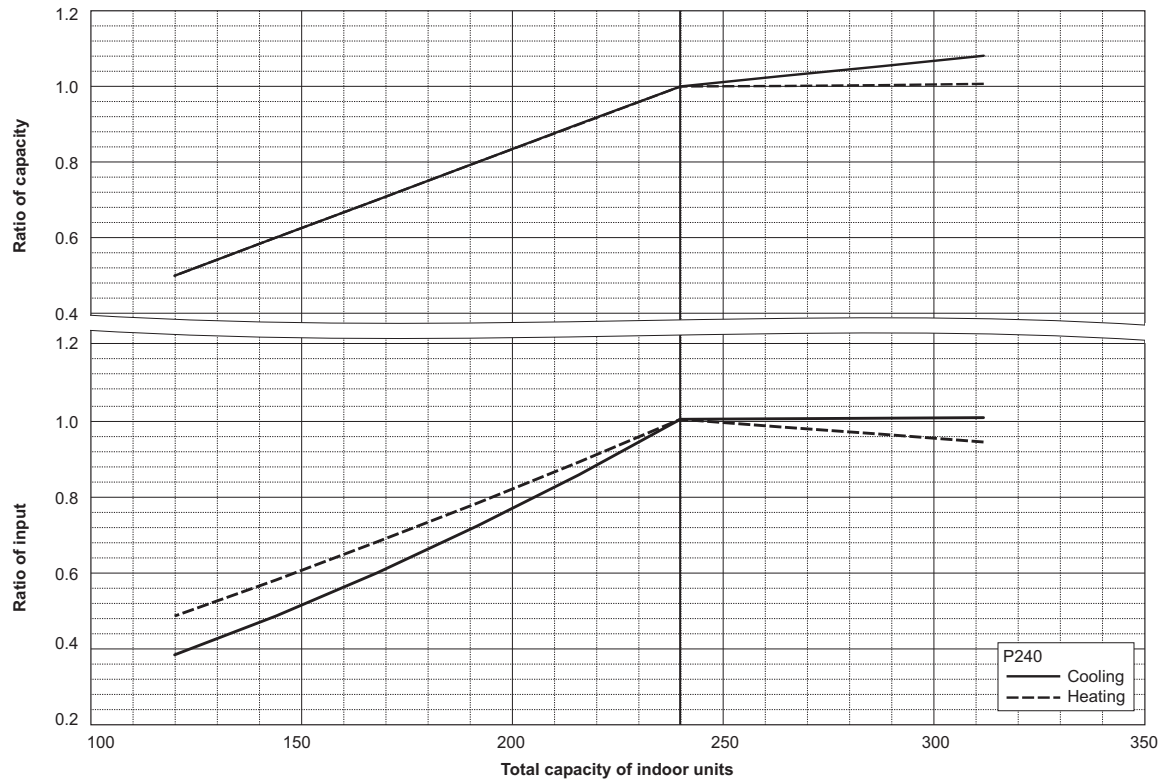


PUHY-P216TSKMU/YSKMU

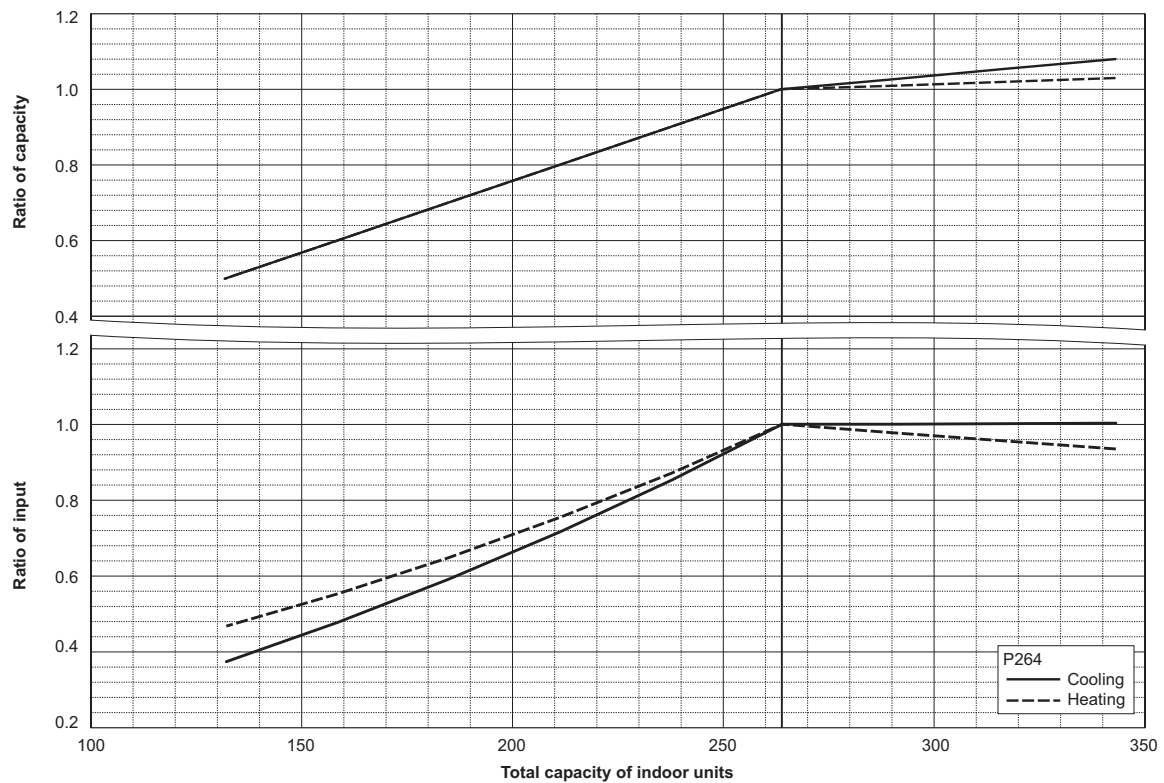


8. CAPACITY TABLES

PUHY-P240TSKMU/YSKMU

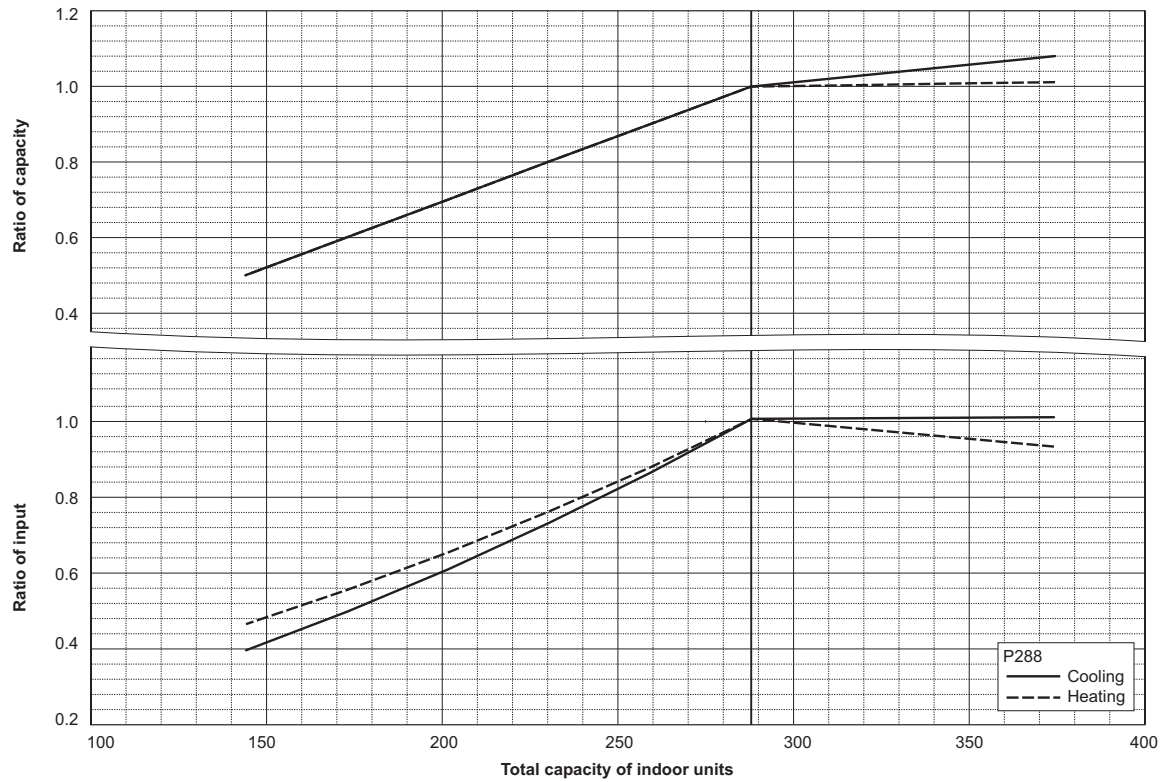


PUHY-P264TSKMU/YSKMU

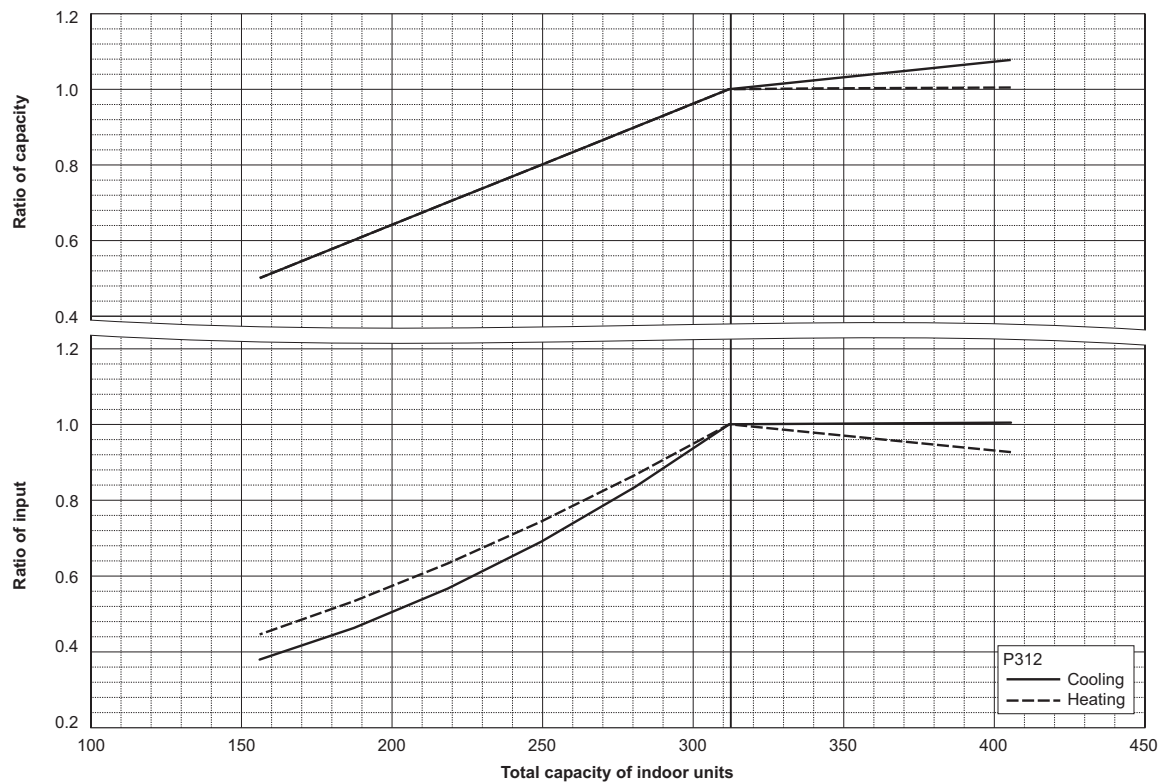


8. CAPACITY TABLES

PUHY-P288TSKMU/YSKMU



PUHY-P312TSKMU/YSKMU

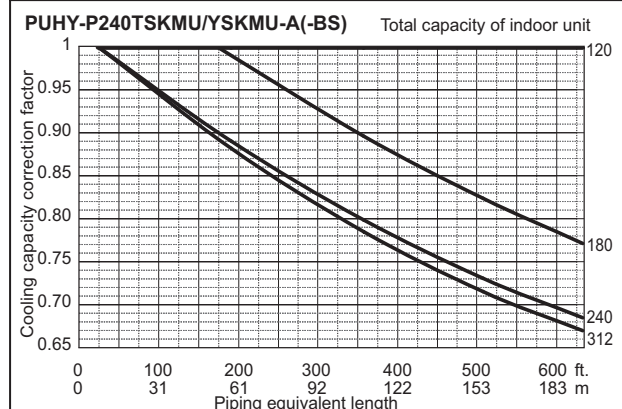
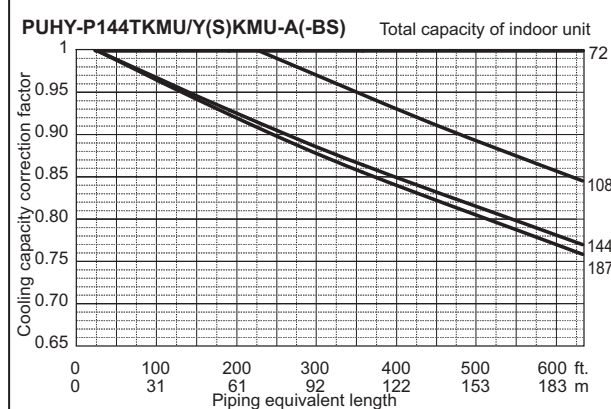
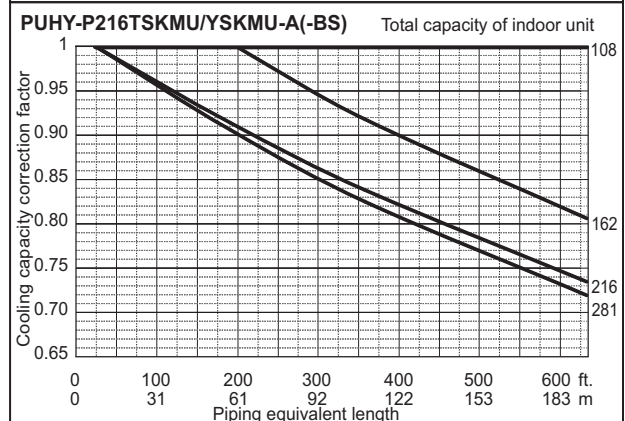
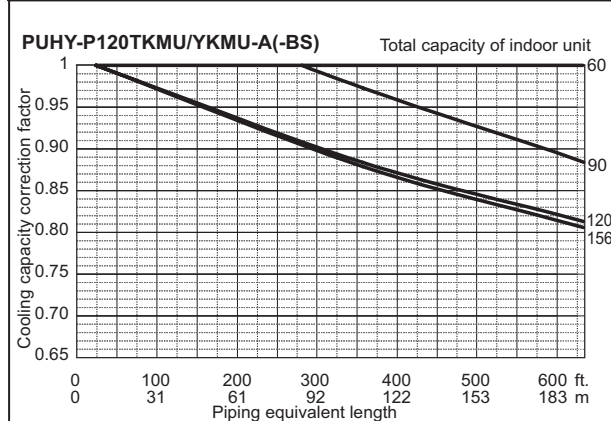
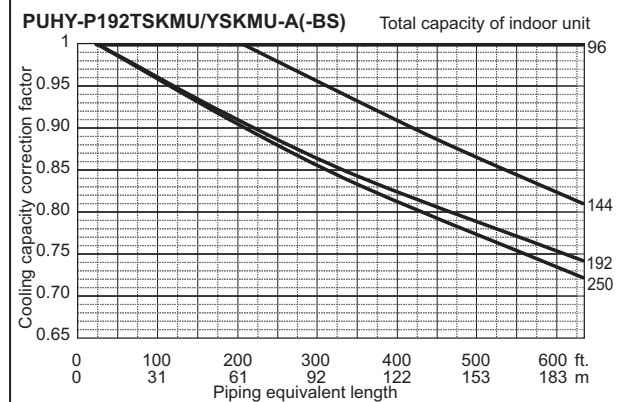
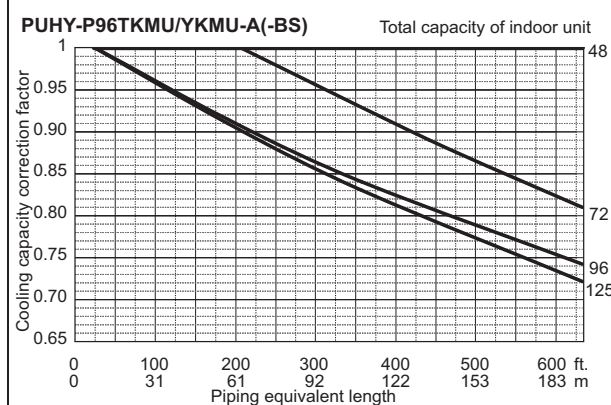
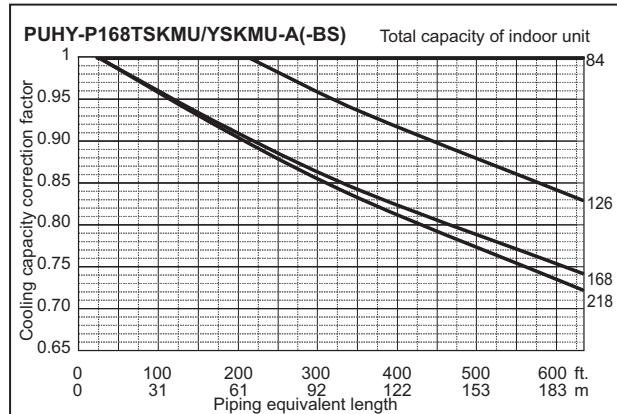
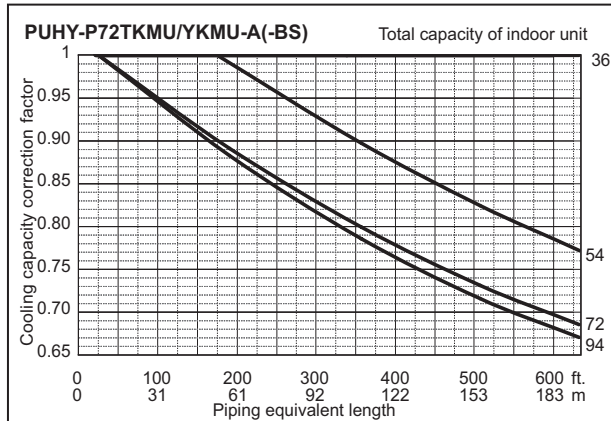


8. CAPACITY TABLES

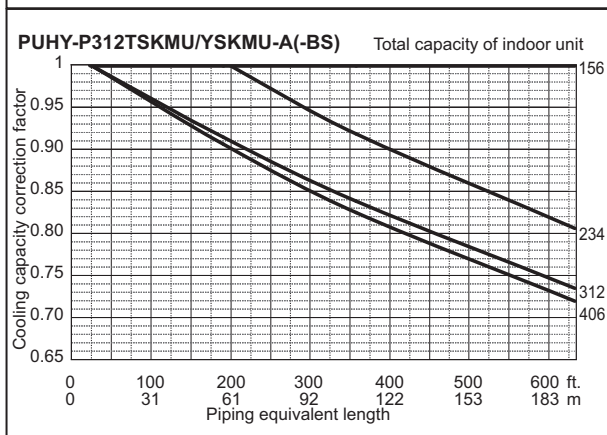
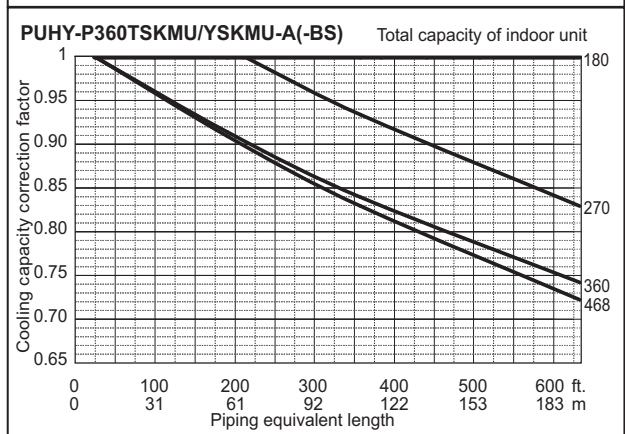
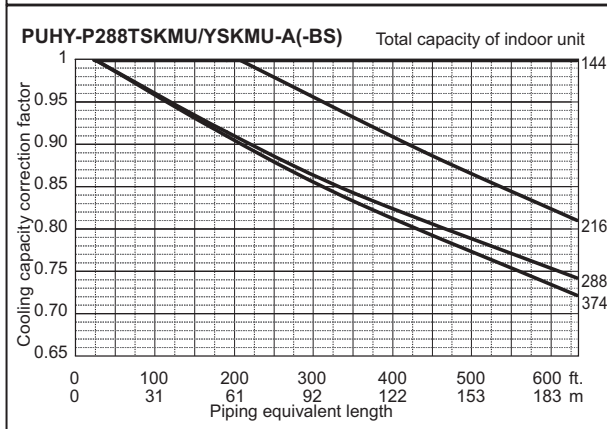
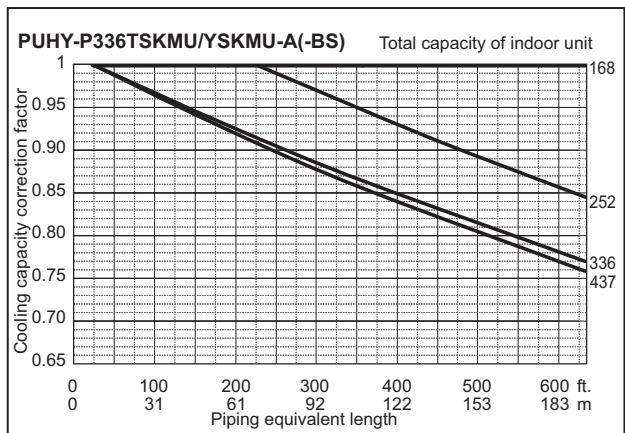
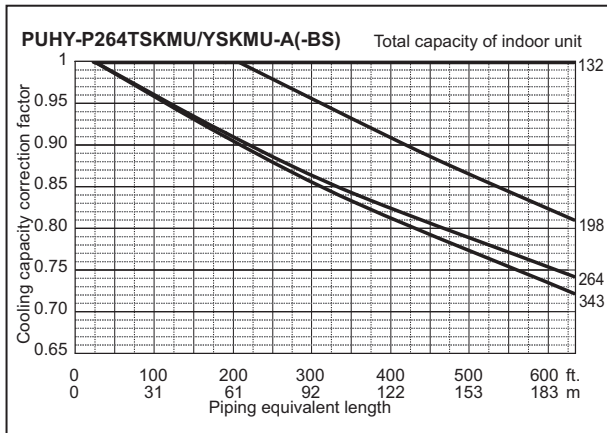
8-4. Correction by Refrigerant Piping Length

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



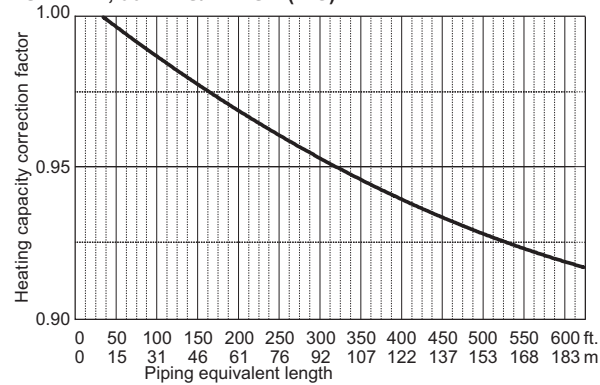
8. CAPACITY TABLES



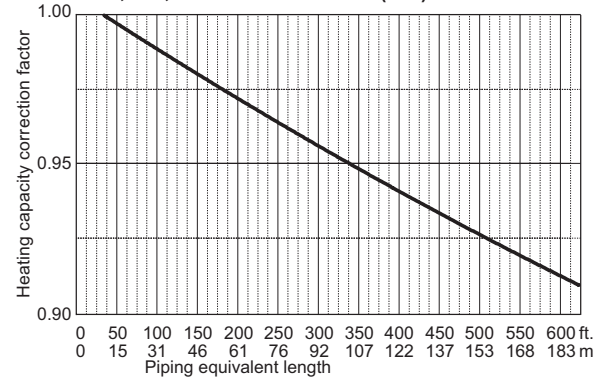
8. CAPACITY TABLES

8-4-2. Heating Capacity Correction

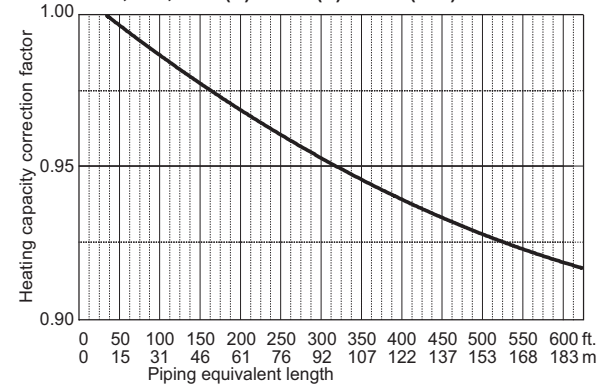
PUHY-P72, 96TKMU/YKMU-A(-BS)



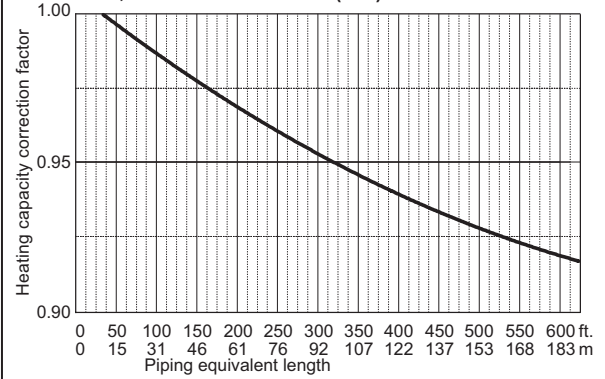
PUHY-P264, 288, 312TSKMU/YSKMU-A(-BS)



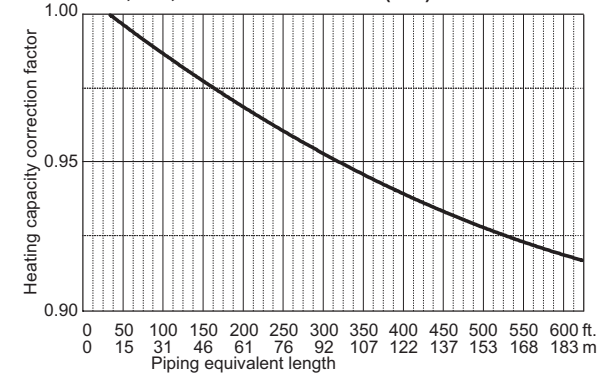
PUHY-P120, 144, 168T(S)KMU/Y(S)KMU-A(-BS)



PUHY-P336, 360TSKMU/YSKMU-A(-BS)



PUHY-P192, 216, 240TSKMU/YSKMU-A(-BS)



8. CAPACITY TABLES

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

1. PUHY-P72, 96, 120, 144, 168, 192, 216, 240T(S)KMU/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]

2. PUHY-P264, 288, 312TSKMU/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]

3. PUHY-P336, 360TSKMU/YSKMU

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

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

8-5. Correction at Frost and Defrost

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

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
PUHY-P72TKMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P96TKMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P120TKMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144TKMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P168TSKMU-A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P192TSKMU-A (-BS)	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P216TSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P240TSKMU-A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P264TSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P288TSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P312TSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P336TSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P360TSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P72YKMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P96YKMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P120YKMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144YKMU-A (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P168YSKMU-A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P192YSKMU-A (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P216YSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P240YSKMU-A (-BS)	1.00	0.94	0.84	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P264YSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P288YSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P312YSKMU-A (-BS)	1.00	0.98	0.89	0.88	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P336YSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95
PUHY-P360YSKMU-A (-BS)	1.00	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.95	0.95

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

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 additional capacity: K_0

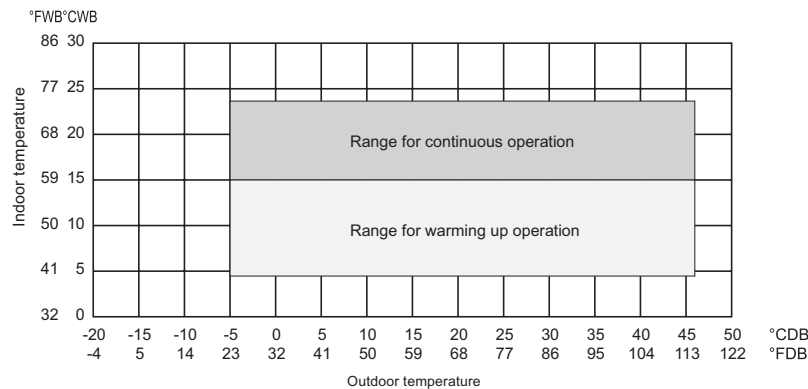
Partial load factor: A

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

8. CAPACITY TABLES

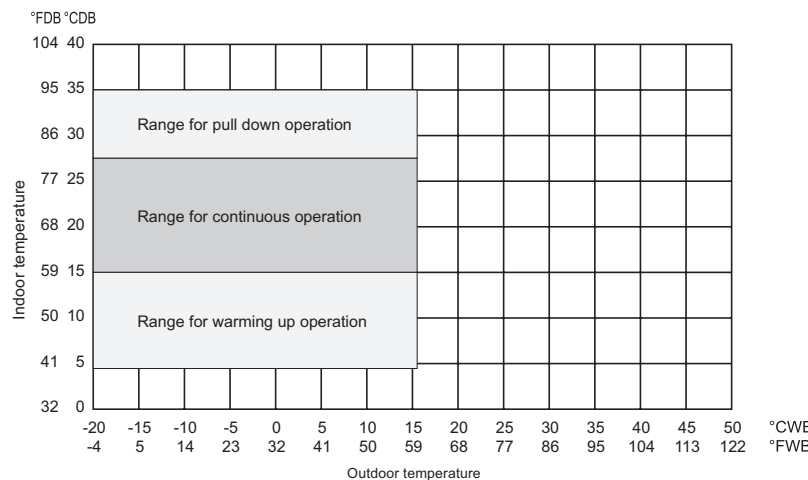
8-6. Standard Operation Temperature Range

• 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.

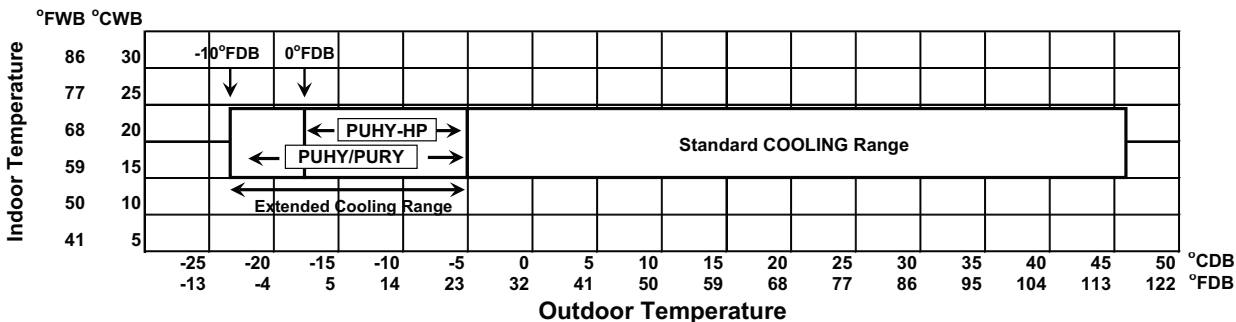
• Heating



Ref.: tr-ygm-y

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

8-7. Extended Cooling Range with Low Ambient Kit



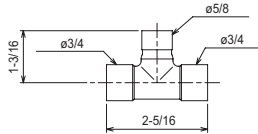
9. OPTIONAL PARTS

9-1. Branch Joints

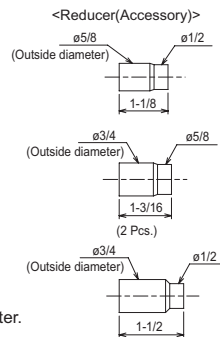
Piping for CITY MULTI systems can be easily performed with branch joints and headers provided by Mitsubishi Electric Corp. For PUHY-P-T(S)KMU/Y(S)KMU, the following sets of branch joints are available. Details for installing the branch joint sets are found in the System Design section or in the Branch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

CMY-Y102SS-G2

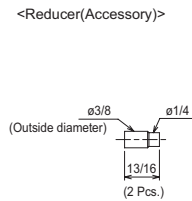
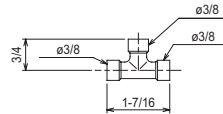
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



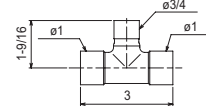
For Liquid pipe:



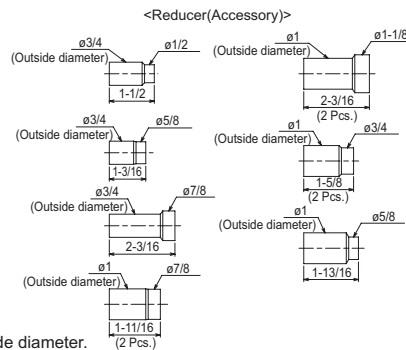
in.

CMY-Y102LS-G2

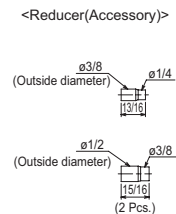
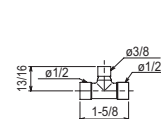
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



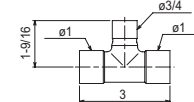
For Liquid pipe:



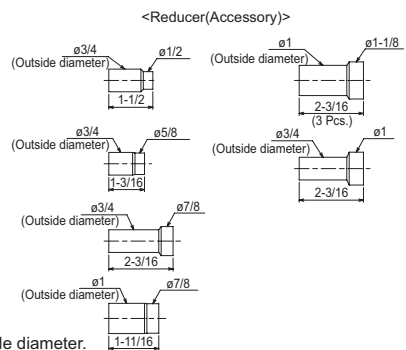
in.

CMY-Y202S-G2

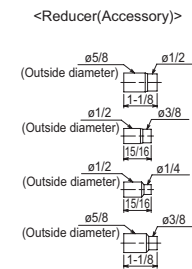
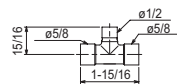
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



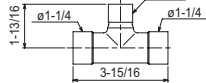
For Liquid pipe:



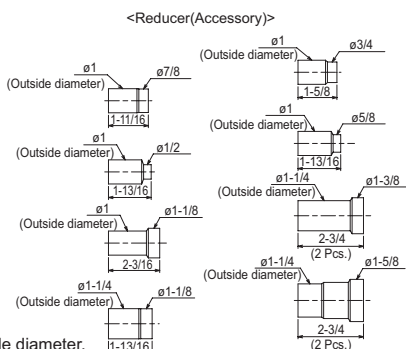
in.

CMY-Y302S-G2

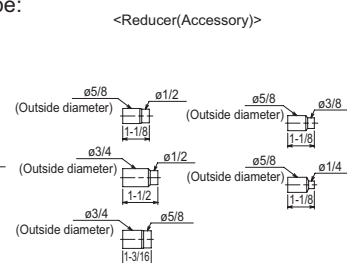
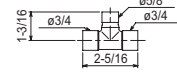
For Gas pipe:



*Pipe diameter is indicated by inside diameter.



For Liquid pipe:



in.

9. OPTIONAL PARTS

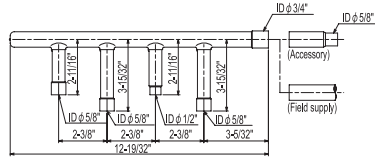
9-2. Headers

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

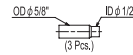
CMY-Y104C-G

Ref.: W901636
in.

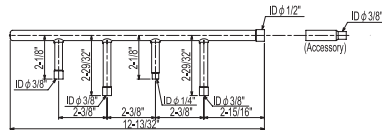
For gas pipe:



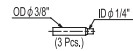
<Reducer(Accessory)>



For liquid pipe:



<Reducer(Accessory)>



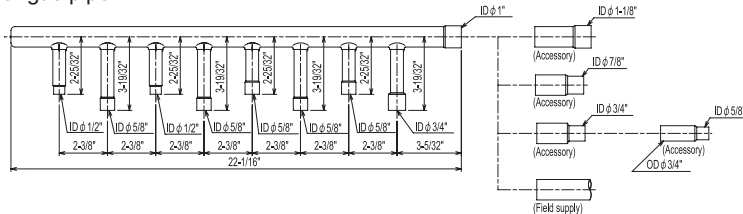
ID: Inner Diameter OD: Outer Diameter

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

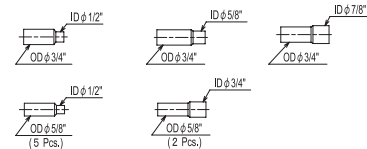
CMY-Y108C-G

Ref.: W901637
in.

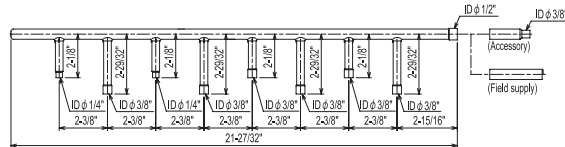
For gas pipe:



<Reducer(Accessory)>



For liquid pipe:



<Reducer(Accessory)>



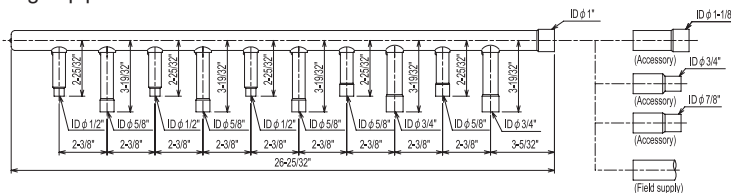
ID: Inner Diameter OD: Outer Diameter

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

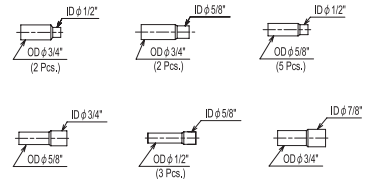
CMY-Y1010C-G

Ref.: W901638
in.

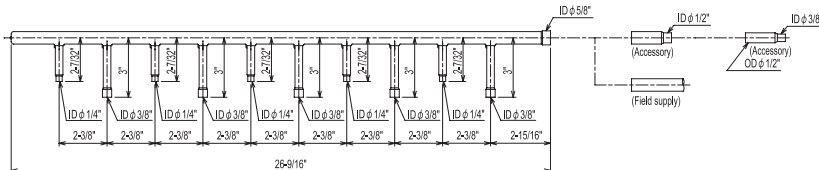
For gas pipe:



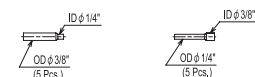
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For liquid pipe:



<Reducer(Accessory)>



ID: Inner Diameter OD: Outer Diameter

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

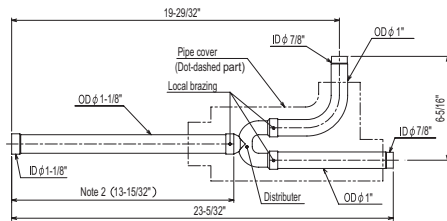
9. OPTIONAL PARTS

9-3. Twinning Kit

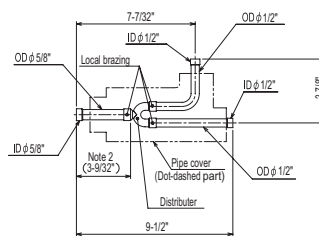
Twinning Kit is necessary for PUHY-P-TSKMU/YSKMU to combine the refrigerant flows of the PUHY-P-TKMU/YKMU units.

CMY-Y100CBK3

For Gas pipe:

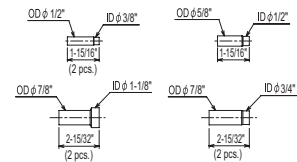


For Liquid pipe:



Ref.: CMY_Y100VBK2_EXD_EUDB_SI in.

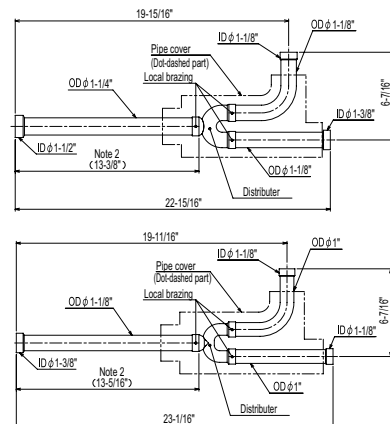
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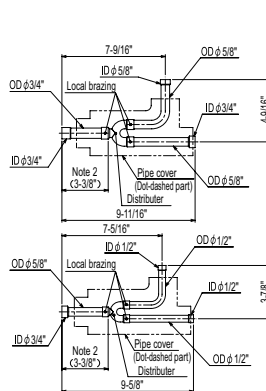
ID: Inner Diameter OD: Outer Diameter

CMY-Y300CBK2

For Gas pipe:

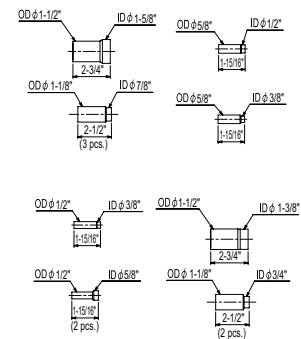


For Liquid pipe:



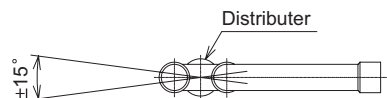
Ref.: CMY_Y300VBK2_EXD_EUDB_SI in.

<Reducer(Accessory)>



ID: Inner Diameter OD: Outer Diameter

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



The angle of the branch pipe 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

9-4. 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.

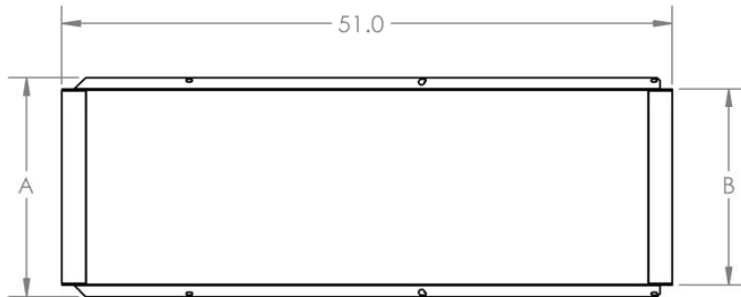
PUHY-P-T/Y(S)KMU Series

Unit model	Module Size			Component Quantity				
	S	L	XL	LAHK-1	LAHK-2	SWDK-1	RWDK-1	RWDK-2
PUHY-P72(T,Y)KMU-A	1			1			1	
PUHY-P96(T,Y)KMU-A		1		1		1		1
PUHY-P120(T,Y)KMU-A			1	1	1	1	2	
PUHY-P144(T,Y)KMU-A			1	1	1	1	2	
PUHY-P144YSKMU-A	2			2		1	2	
PUHY-P168(T,Y)SKMU-A	1	1		2		1	1	1
PUHY-P192(T,Y)SKMU-A	1		1	2	1	1	3	
PUHY-P216(T,Y)SKMU-A		1	1	2	1	1	2	1
PUHY-P240(T,Y)SKMU-A			2	2	2	1	4	
PUHY-P264(T,Y)SKMU-A	2		1	3	1	1	4	
PUHY-P288(T,Y)SKMU-A	1	1	1	3	1	1	3	1
PUHY-P312(T,Y)SKMU-A	1		2	3	2	1	5	
PUHY-P336(T,Y)SKMU-A		1	2	3	2	1	4	1
PUHY-P360(T,Y)SKMU-A			3	3	3	1	6	1

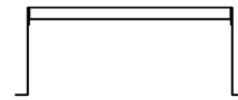
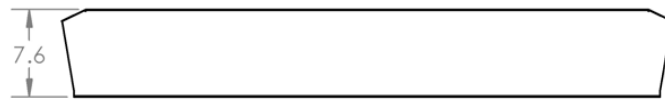
9. OPTIONAL PARTS

Dimensions

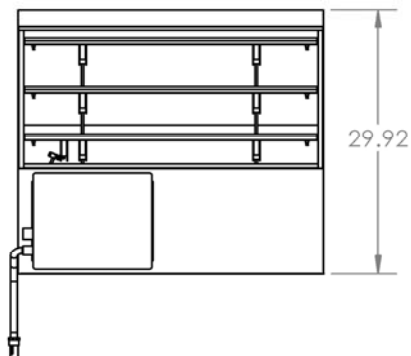
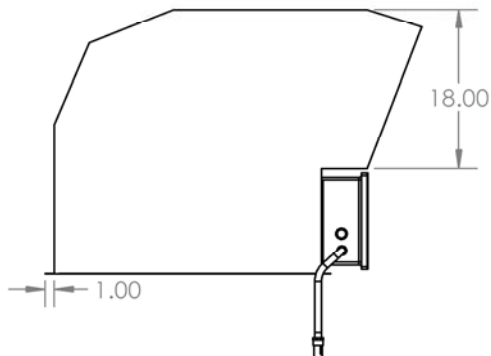
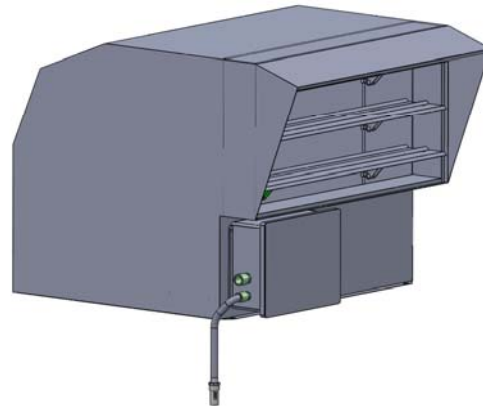
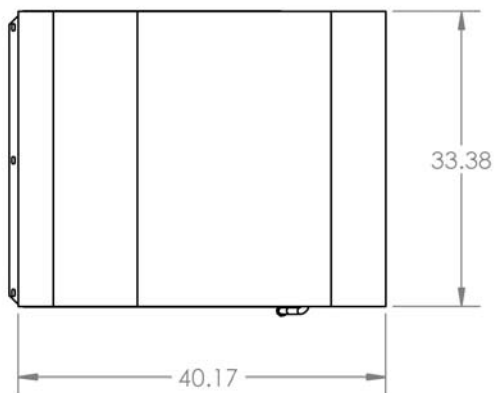
Wind Deflectors SWDK-1, RWDK-1 and RWDK-2



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



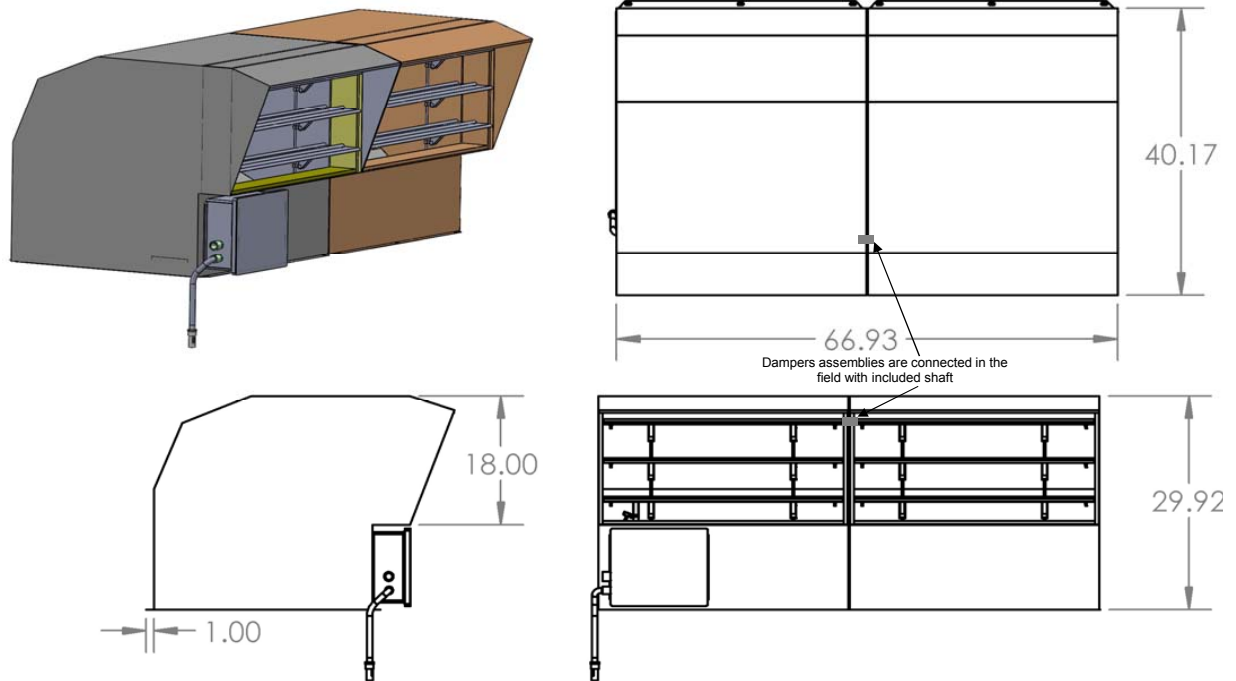
Low Ambient Hood LAHK-1 (used alone for single fan modules P72 and P96 sizes)



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.

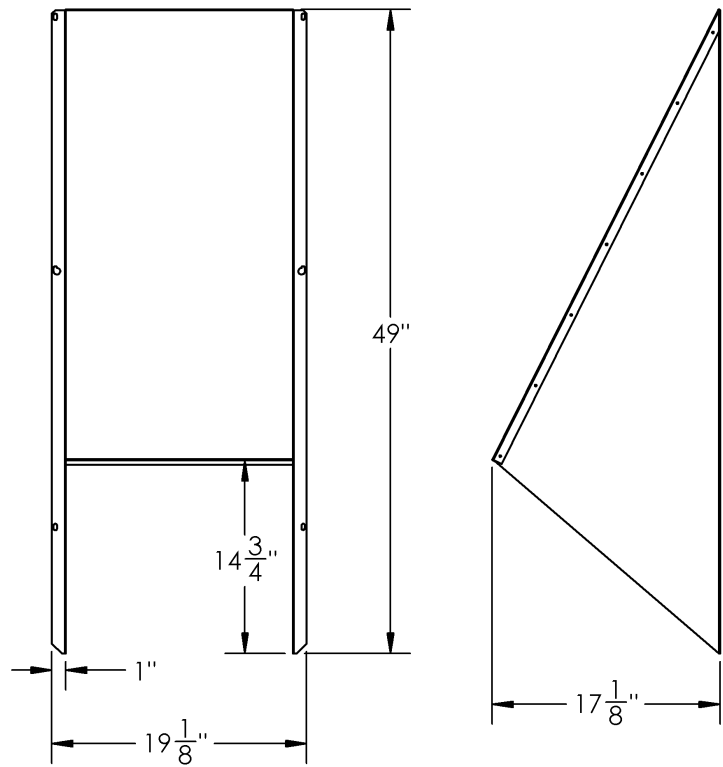
PUHY-P-T/Y(S)KMU Series

Unit model	Module Size			Component Qty			
	S	L	XL	SGK-1	SGK-2	SGK-3	SHK-1
PUHY-P72(T,Y)KMU-A	1			1	1		1
PUHY-P96(T,Y)KMU-A		1		1		1	1
PUHY-P120(T,Y)KMU-A			1	1	2		2
PUHY-P144(T,Y)KMU-A			1	1	2		2
PUHY-P144-YSKMU-A	2			1	2		2
PUHY-P168(T,Y)SKMU-A	1	1		1	1	1	2
PUHY-P192(T,Y)SKMU-A	1		1	1	3		3
PUHY-P216(T,Y)SKMU-A		1	1	1	2	1	3
PUHY-P240(T,Y)SKMU-A			2	1	4		4
PUHY-P264(T,Y)SKMU-A	2		1	1	4		4
PUHY-P288(T,Y)SKMU-A	1	1	1	1	3	1	4
PUHY-P312(T,Y)SKMU-A	1		2	1	5		5
PUHY-P336(T,Y)SKMU-A		1	2	1	4	1	5
PUHY-P360(T,Y)SKMU-A			3	1	6		6

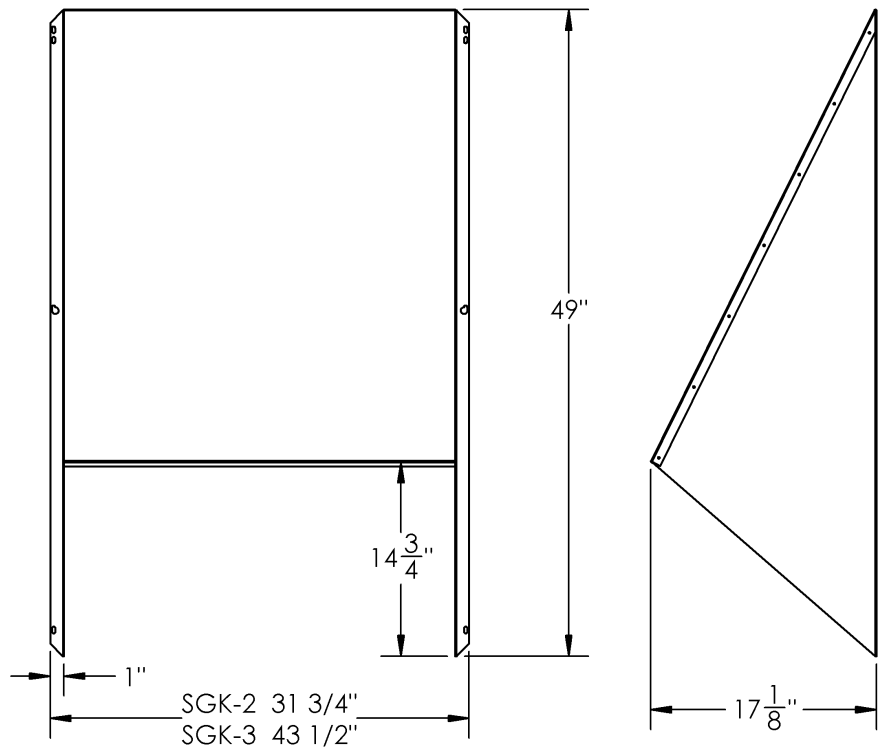
9. OPTIONAL PARTS

Dimensions

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



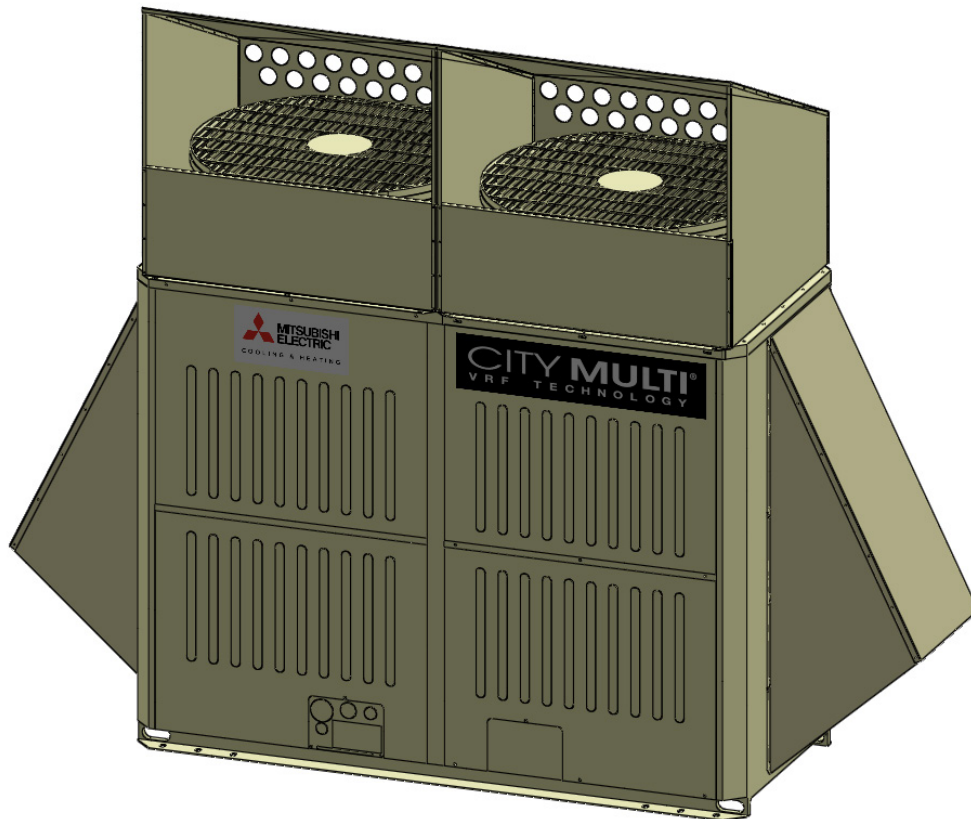
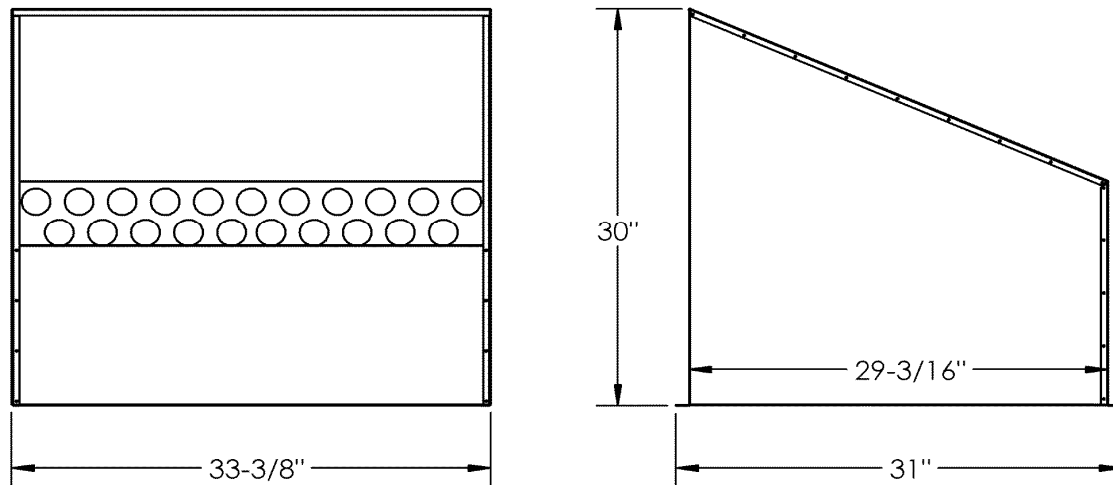
Snow/Hail Guards SGK-2, and SGK-3



9. OPTIONAL PARTS

Dimensions

Snow/Hail Guards SHK-1



9. OPTIONAL PARTS

9-6. Base Pan Heater Kits

- 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 PUHY 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)

PUHY-P-T(S)KMU Series

Unit model	Base Pan Heater Kits		
	Small	Large	XL
PUHY-P72TKMU-A	1	-	-
PUHY-P96TKMU-A	-	1	-
PUHY-P120TKMU-A	-	-	1
PUHY-P144TKMU-A	-	-	1
PUHY-P168TSKMU-A	1	1	-
PUHY-P192TSKMU-A	1	-	1
PUHY-P216TSKMU-A	-	1	1
PUHY-P240TSKMU-A	-	-	2
PUHY-P264TSKMU-A	2	-	1
PUHY-P288TSKMU-A	1	1	1
PUHY-P312TSKMU-A	1	-	2
PUHY-P336TSKMU-A	-	1	2
PUHY-P360TSKMU-A	-	-	3