OUTDOOR UNITS

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1. SPECIFICATIONS

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

Model			PUHY-P72TKMU-U(-BS)	PUHY-P96TKMU-U(-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.	-4~60° F(-20~15.5° C)	-4~60° F(-20~15.5° 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
		m^3 / min	175	175
		L/s	2,920	2,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P120TKMU-U(-BS)	PUHY-P144TKMU-U(-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.	-4~60° F(-20~15.5° C)	-4~60° F(-20~15.5° 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
		m^3 / min	320	320
		L/s	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P168TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)**	**PUHY-P96TKMU-U(-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	CFM	6,200	6,200
		m^3 / min	175	175
		L/s	2,920	2,920
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P192TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)**	**PUHY-P120TKMU-U(-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m^3 / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	External static pressure *6		0 in.WG (0 Pa) *6	0 in.WG (0 Pa) *6
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P216TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)**	**PUHY-P120TKMU-U(-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m^3 / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P240TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)**	**PUHY-P120TKMU-U(-BS)**
Fan	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	CFM	11,300	11,300
		m^3 / min	320	320
		L/s	5,330	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P264TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)	PUHY-P72TKMU-U(-BS)	PUHY-P120TKMU-U(-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

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1. SPECIFICATIONS

Model			PUHY-P288TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)	PUHY-P96TKMU-U(-BS)	PUHY-P120TKMU-U(-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
		m^3 / 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
	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 CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P312TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)	PUHY-P120TKMU-U(-BS)	PUHY-P120TKMU-U(-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
		m^3 / 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
	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 CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter	Inverter
	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)
	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	45 / 42	45 / 42
Recommended Fuse/Breaker Size		A	30	50	50
Maximum Fuse Size		A	30	50	50
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)	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)	430 (195)	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		KD94R331		
	Wiring		KE94C645	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P336TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)	PUHY-P120TKMU-U(-BS)	PUHY-P120TKMU-U(-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P360TSKMU-U(-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.	-4~60° F(-20~15.5° 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-U(-BS)	PUHY-P120TKMU-U(-BS)	PUHY-P120TKMU-U(-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
		m^3 / 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
	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
	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)
	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	45 / 42	45 / 42	45 / 42
Recommended Fuse/Breaker Size		A	50	50	50
Maximum Fuse Size		A	50	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)	R410A x 26 lbs + 1 oz (11.8 kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	697 (316)	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)	1/2"(12.7)Brazed	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	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		KD94R330		
	Wiring		KE94C649	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

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

Model			PUHY-P72YKMU-U(-BS)	PUHY-P96YKMU-U(-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.	-4~60° F(-20~15.5° C)	-4~60° F(-20~15.5° 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
		m^3 / min	175	175
		L/s	2,920	2,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P120YKMU-U(-BS)	PUHY-P144YKMU-U(-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.	-4~60° F(-20~15.5° C)	-4~60°F(-20~15.5°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
		m^3 / min	320	320
		L/s	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P144YSKMU-U (-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.	-4~60° F(-20~15.5° 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-U (-BS)**	**PUHY-P72YKMU-U (-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	CFM	6,200	6,200
		m^3 / min	175	175
		L/s	2,920	2,920
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P168YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)**	**PUHY-P96YKMU-U (-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	CFM	6,200	6,200
		m^3 / min	175	175
		L/s	2,920	2,920
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P192YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)	PUHY-P120YKMU-U (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m^3 / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P216YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)**	**PUHY-P120YKMU-U (-BS)**
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2
	Airflow rate	CFM	6,200	11,300
		m^3 / min	175	320
		L/s	2,920	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P240YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)**	**PUHY-P120YKMU-U (-BS)**
Fan	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	CFM	11,300	11,300
		m^3 / min	320	320
		L/s	5,330	5,330
	Control , Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P264YSKMU-U(-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.	-4~60° F(-20~15.5° C)
System Compressor Operating Range			7% 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>	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-U (-BS)	PUHY-P72YKMU-U (-BS)	PUHY-P120YKMU-U (-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P288YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)	PUHY-P96YKMU-U (-BS)	PUHY-P120YKMU-U (-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	

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

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1. SPECIFICATIONS

Model			PUHY-P312YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)	PUHY-P120YKMU-U (-BS)	PUHY-P120YKMU-U (-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P336YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)	PUHY-P120YKMU-U (-BS)	PUHY-P120YKMU-U (-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PUHY-P360YSKMU-U(-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.	-4~60° F(-20~15.5° 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-U (-BS)**	**PUHY-P120YKMU-U (-BS)**	**PUHY-P120YKMU-U (-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
		m^3 / 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
	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
	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 Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details on your region. *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 =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* Due to continuing improvement, above specifications may be subject to change without notice.			

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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-U (-BS)	Ducted / Non-Ducted	13.0 / 14.2	19.8 / 21.3	3.83 / 4.19	2.59 / 2.39
PUHY-P96YKMU-U (-BS)	Ducted / Non-Ducted	12.6 / 13.7	19.7 / 20.7	3.95 / 4.22	2.71 / 2.68
PUHY-P120YKMU-U (-BS)	Ducted / Non-Ducted	12.5 / 12.7	19.1 / 19.1	3.66 / 3.83	2.51 / 2.38
PUHY-P144YKMU-U (-BS)	Ducted / Non-Ducted	11.6 / 11.8	19.3 / 20.2	3.56 / 3.72	2.32 / 2.22
PUHY-P144YSKMU-U (-BS)	Ducted / Non-Ducted	12.8 / 13.2	19.3 / 20.3	3.79 / 3.95	2.56 / 2.13
PUHY-P168YSKMU-U (-BS)	Ducted / Non-Ducted	12.6 / 12.9	19.6 / 19.7	3.78 / 3.83	2.60 / 2.19
PUHY-P192YSKMU-U (-BS)	Ducted / Non-Ducted	12.4 / 12.5	18.9 / 19.1	3.63 / 3.61	2.45 / 2.17
PUHY-P216YSKMU-U (-BS)	Ducted / Non-Ducted	12.3 / 12.3	18.9 / 18.6	3.65 / 3.56	2.48 / 2.09
PUHY-P240YSKMU-U (-BS)	Ducted / Non-Ducted	12.1 / 12.0	18.6 / 18.1	3.55 / 3.53	2.42 / 2.05
PUHY-P264YSKMU-U (-BS)	Ducted / Non-Ducted	12.5 / 12.5	19.0 / 18.7	3.68 / 3.60	2.52 / 2.16
PUHY-P288YSKMU-U (-BS)	Ducted / Non-Ducted	12.4 / 12.4	19.0 / 18.7	3.68 / 3.59	2.53 / 2.21
PUHY-P312YSKMU-U (-BS)	Ducted / Non-Ducted	12.1 / 12.1	18.4 / 18.1	3.54 / 3.45	2.43 / 2.22
PUHY-P336YSKMU-U (-BS)	Ducted / Non-Ducted	11.9 / 12.0	18.2 / 17.8	3.50 / 3.36	2.38 / 2.13
PUHY-P360YSKMU-U (-BS)	Ducted / Non-Ducted	11.7 / 11.8	17.8 / 17.2	3.39 / 3.22	2.32 / 2.05
PUHY-P72TKMU-U (-BS)	Ducted / Non-Ducted	13.0 / 14.2	19.8 / 21.3	3.83 / 4.19	2.59 / 2.39
PUHY-P96TKMU-U (-BS)	Ducted / Non-Ducted	12.6 / 13.7	19.7 / 20.7	3.95 / 4.22	2.71 / 2.68
PUHY-P120TKMU-U (-BS)	Ducted / Non-Ducted	12.5 / 12.7	19.1 / 19.1	3.66 / 3.83	2.51 / 2.38
PUHY-P144TKMU-U (-BS)	Ducted / Non-Ducted	11.6 / 11.8	19.3 / 20.2	3.56 / 3.72	2.32 / 2.22
PUHY-P168TSKMU-U (-BS)	Ducted / Non-Ducted	12.6 / 12.9	19.6 / 19.7	3.78 / 3.83	2.60 / 2.19
PUHY-P192TSKMU-U (-BS)	Ducted / Non-Ducted	12.4 / 12.5	18.9 / 19.1	3.63 / 3.61	2.45 / 2.17
PUHY-P216TSKMU-U (-BS)	Ducted / Non-Ducted	12.3 / 12.3	18.9 / 18.6	3.65 / 3.56	2.48 / 2.09
PUHY-P240TSKMU-U (-BS)	Ducted / Non-Ducted	12.1 / 12.0	18.6 / 18.1	3.55 / 3.53	2.42 / 2.05
PUHY-P264TSKMU-U (-BS)	Ducted / Non-Ducted	12.5 / 12.5	19.0 / 18.7	3.68 / 3.60	2.52 / 2.16
PUHY-P288TSKMU-U (-BS)	Ducted / Non-Ducted	12.4 / 12.4	19.0 / 18.7	3.68 / 3.59	2.53 / 2.21
PUHY-P312TSKMU-U (-BS)	Ducted / Non-Ducted	12.1 / 12.1	18.4 / 18.1	3.54 / 3.45	2.43 / 2.22
PUHY-P336TSKMU-U (-BS)	Ducted / Non-Ducted	11.9 / 12.0	18.2 / 17.8	3.50 / 3.36	2.38 / 2.13
PUHY-P360TSKMU-U (-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.				

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2. EXTERNAL DIMENSIONS

PUHY-P72TKMU

Unit : mm(in.)

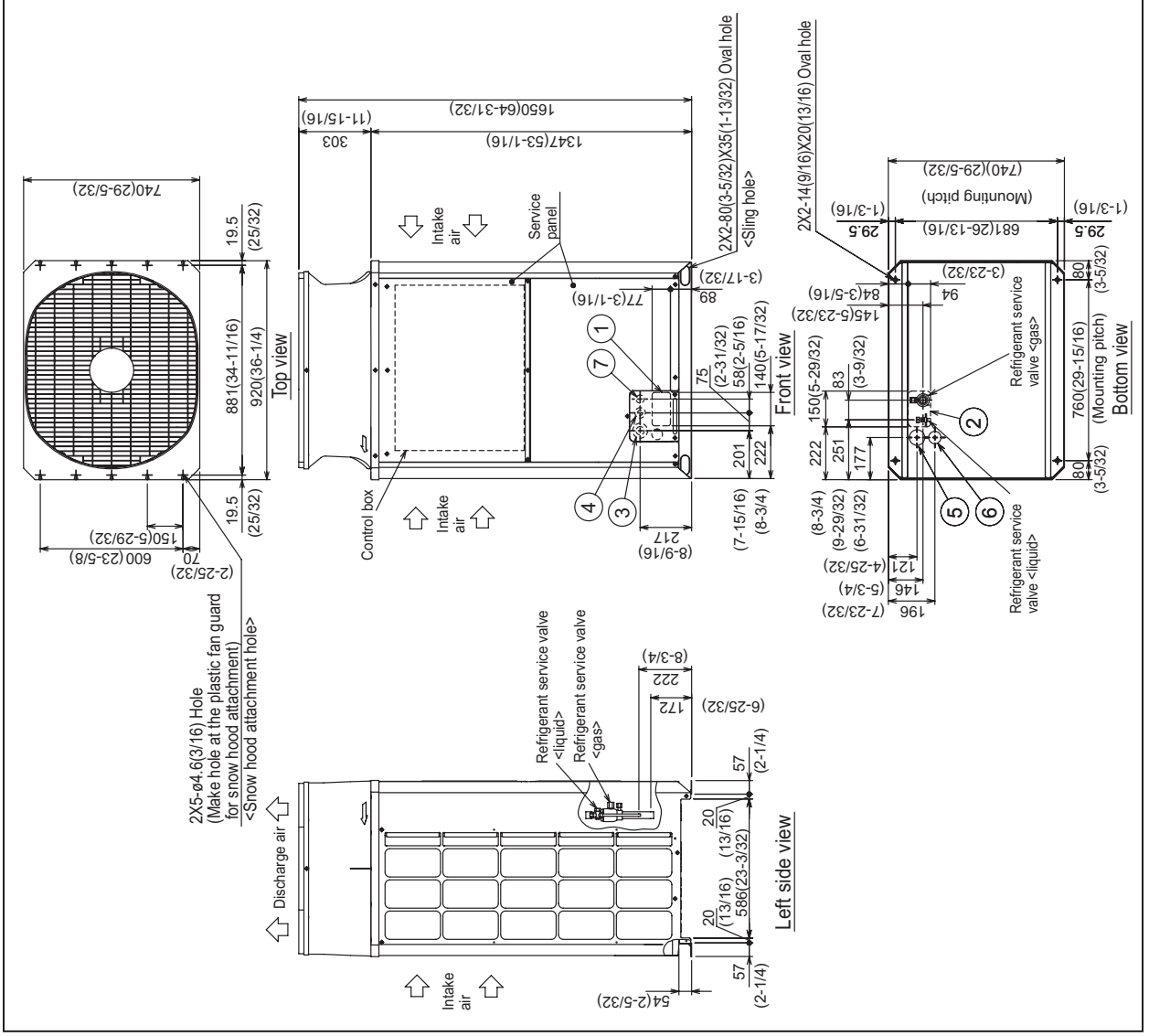
Note1.Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 1 2" off the ground or 12" above the highest average snow depth, whichever is greater."
2.At brazing of pipes, wrap the refrigerant service 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	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)



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PUHY-P72TKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

<Top view>

<Unit:mm(in)>

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

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

<Side view>

●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.

<To be left open>

<Unit:mm(in)>

2.Foundation work

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

Fig.A

Fig.B

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2. EXTERNAL DIMENSIONS

PUHY-P96TKMU

Unit : mm(in.)

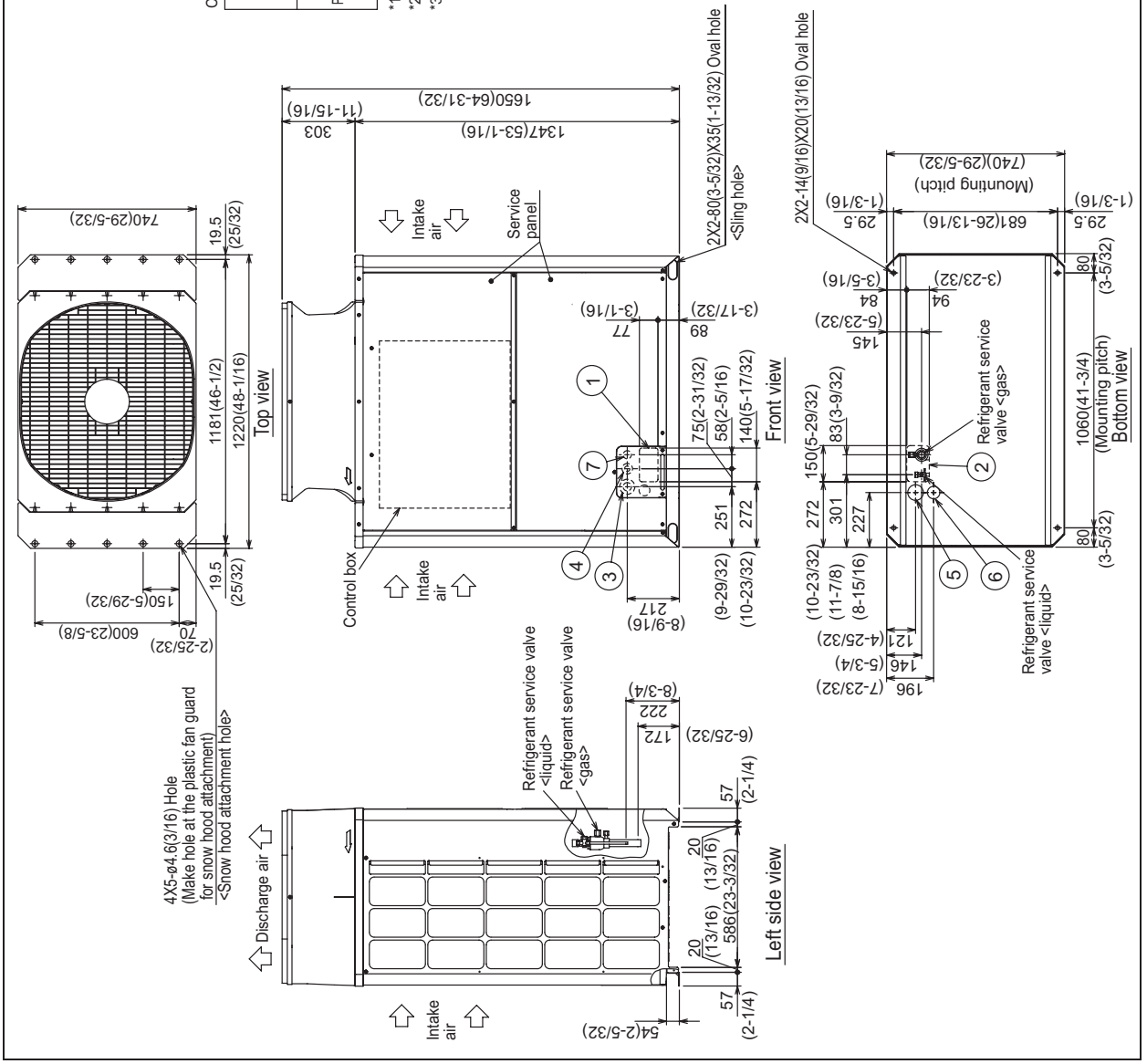
Note1.Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater."
2.At brazing of pipes, wrap the refrigerant service 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 Brazed (3/8) *1 (ø12.7 Brazed) (1/2) *2 *3	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.
*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 (1-1/32)



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PUHY-P96TKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

<Top view>

<Unit:mm(in)>

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

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

<Side view>

●In case of collective installation

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

<Unit:mm(in)>

2.Foundation work

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

Fig.A

Fig.B

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2. EXTERNAL DIMENSIONS

PUHY-P120,144TKMU

Unit : mm(in.)

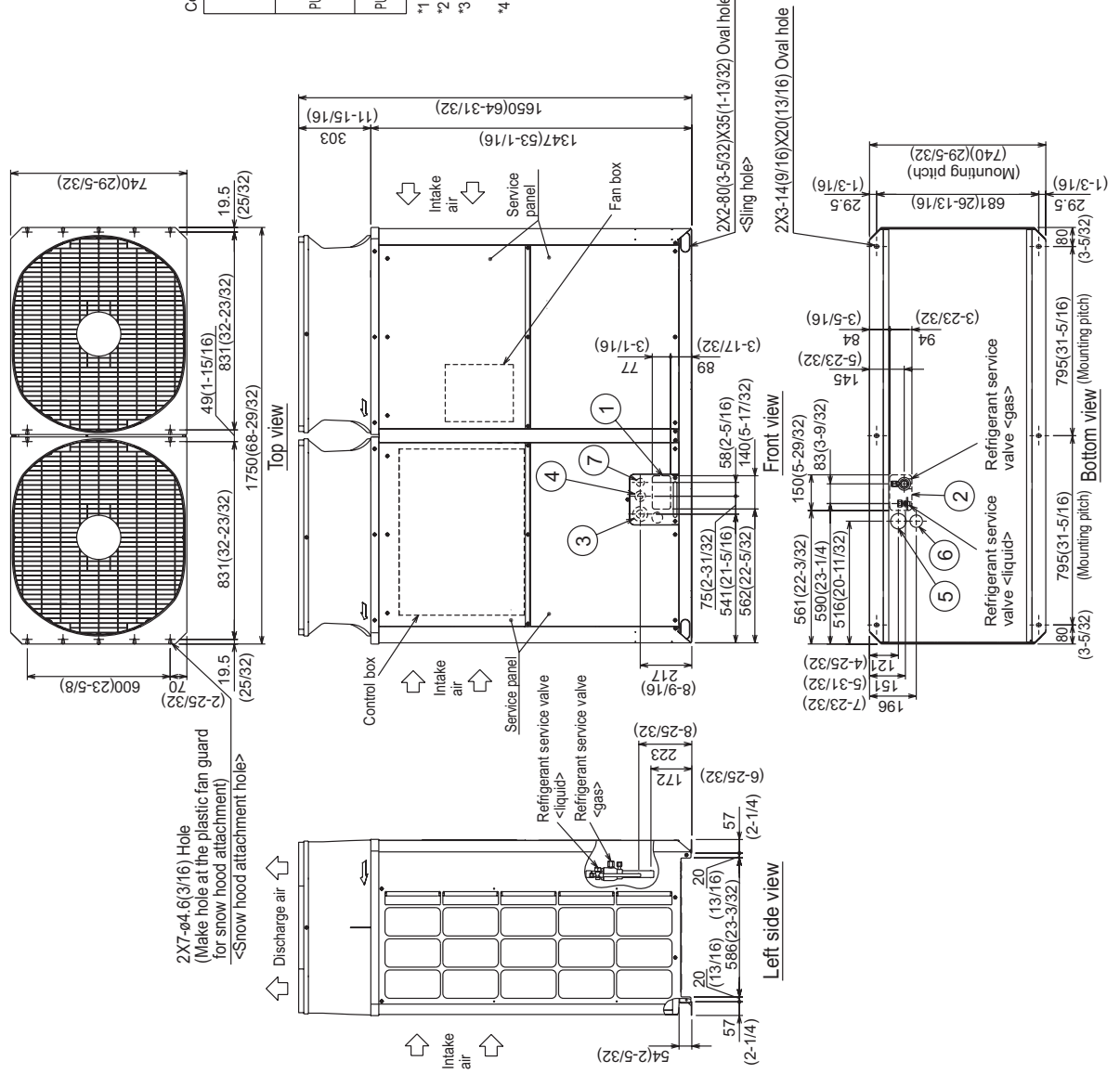
Note1. Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes, wrap the refrigerant service 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 Furthest piping length (OU from IU)≦ 40m(131ft)

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)



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PUHY-P120,144TKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

<Unit:mm(in)>

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.

●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.

<Unit:mm(in)>

Fig.A

Fig.B

2.Foundation work

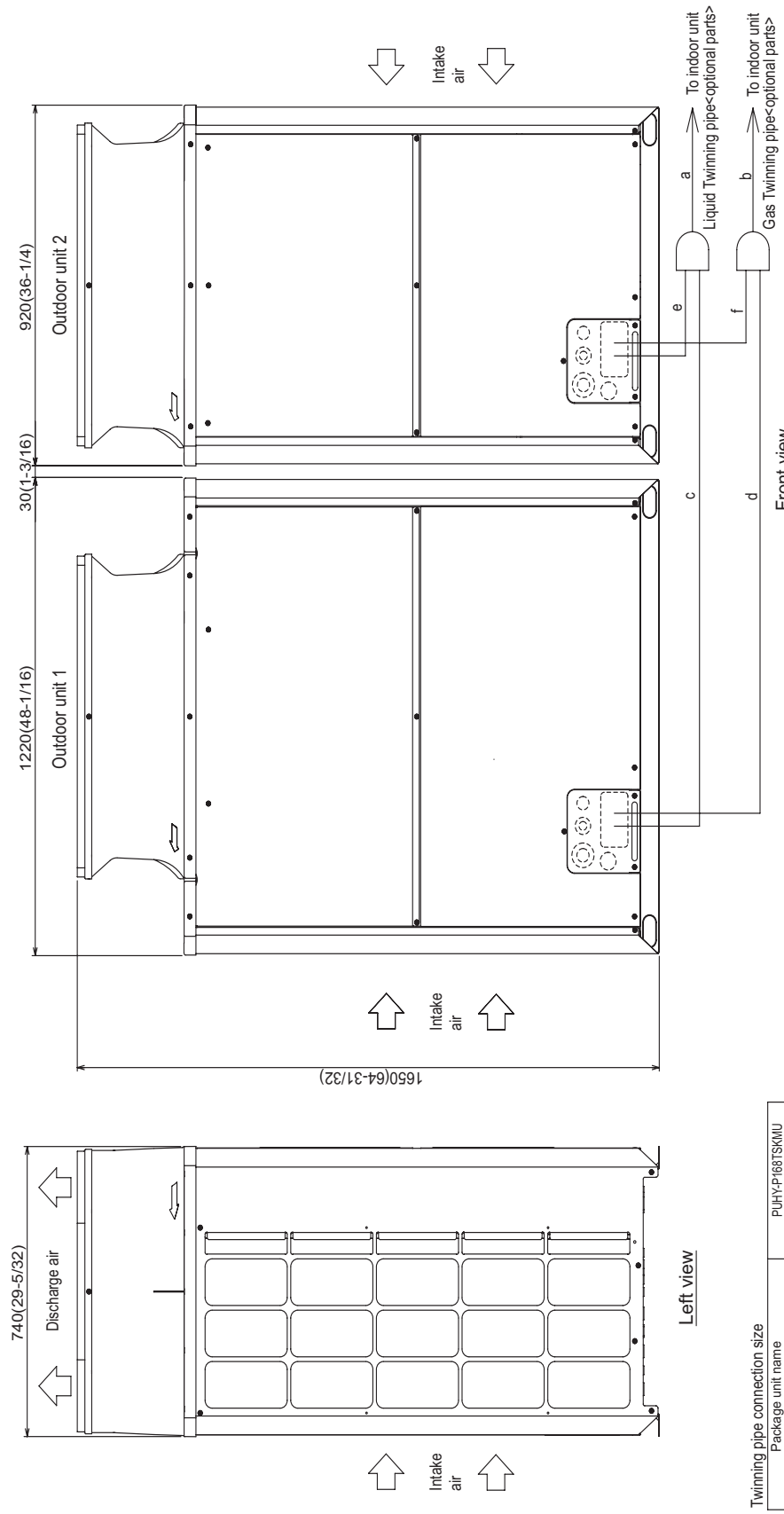
① Take into consideration the surface strength,water drainage route, piping route,and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported 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.

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2. EXTERNAL DIMENSIONS

PUHY-P168TSKMU

Unit : mm(in.)



		Unit model	Liquid c or e	Gas d or f
Twinning pipe~Outdoor unit		P72	ø9.52(3/8)	ø22.2(7/8)
		P96	ø9.52(3/8)	ø22.2(7/8)

Twinning pipe connection size

Package unit name			PUHY-P168TSKMU
Component unit name	Outdoor unit 1		PUHY-P96TKMU
	Outdoor unit 2		PUHY-P72TKMU
Outdoor Twinning Kit(optional parts)			CMY-Y100CBK3
Indoor unit~Twinning pipe	Liquid	a	ø15.88(5/8)
	Gas	b	ø28.58(1-1/8)

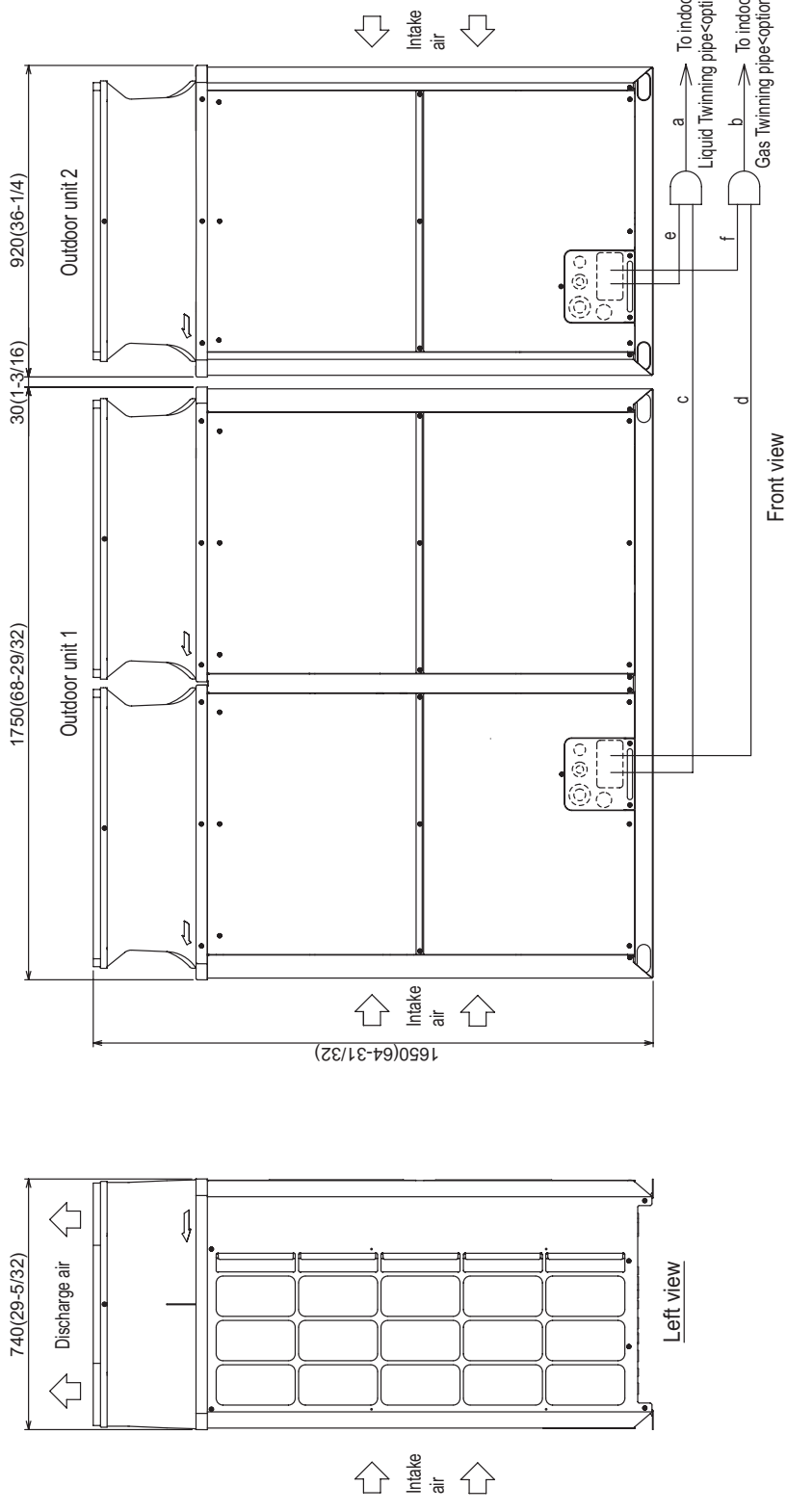
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P192TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P192TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P72TKMU
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
Twinning pipe~Outdoor unit	P72	c or e	d or f
		ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

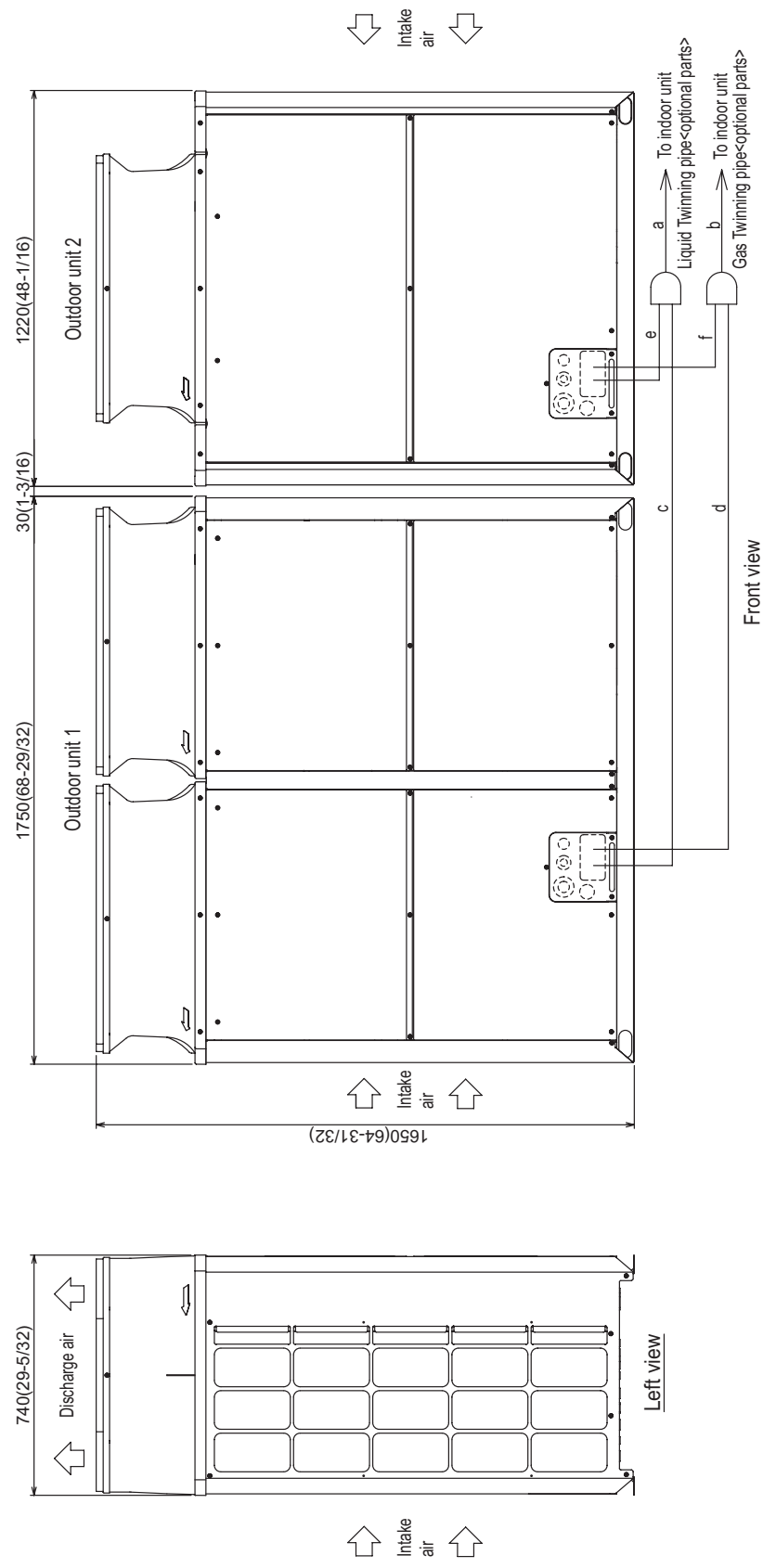
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P216TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P216TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P96TKMU
Outdoor Twinning Kit(optional parts)			CMY-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
	P96	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

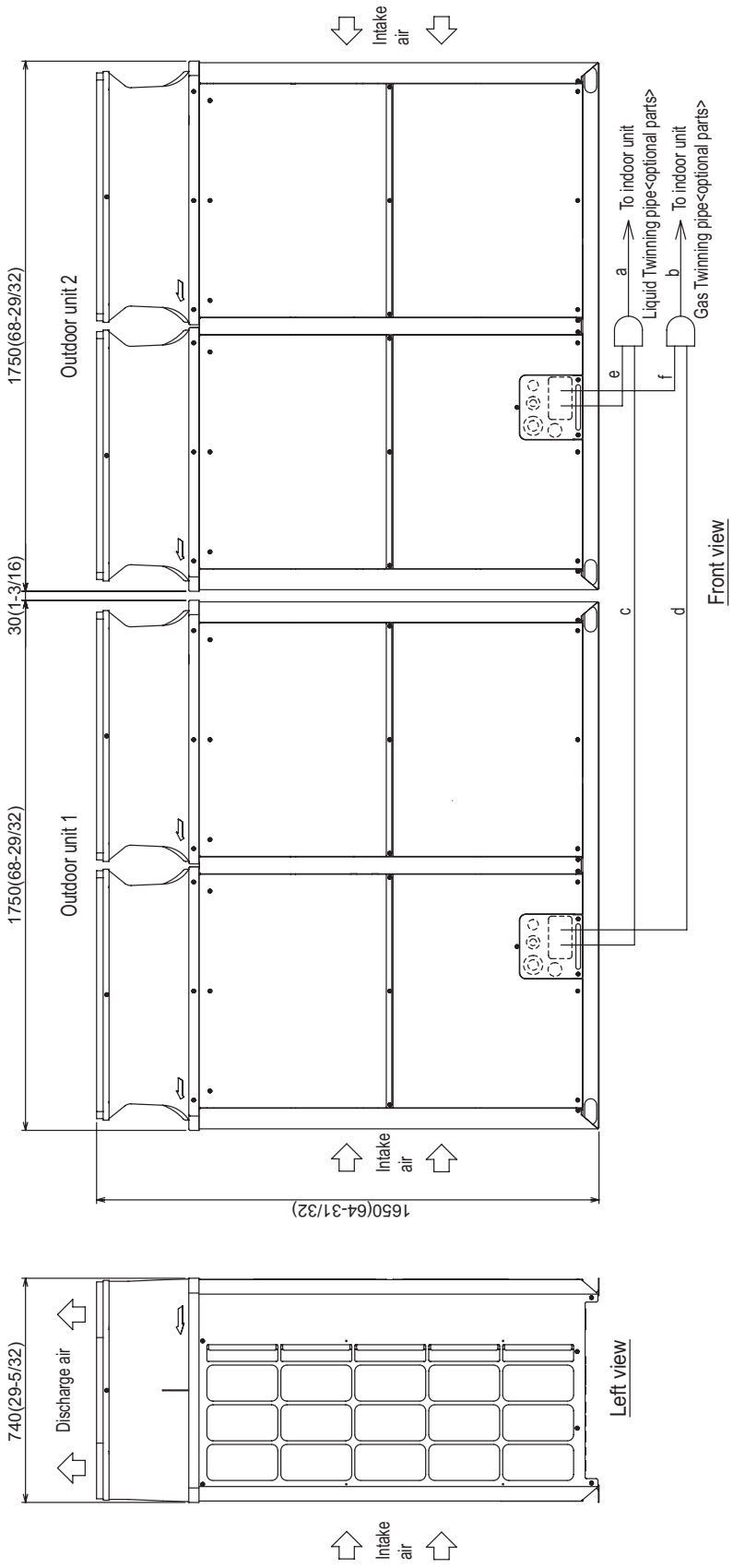
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning pipe (sections "a" 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).

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2. EXTERNAL DIMENSIONS

PUHY-P240TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P240TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P120TKMU
Outdoor Twinning Kit(optional parts)			CMY-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
	P120	c or e	d or f
		ø12.7(1/2)	ø28.58(1-1/8)

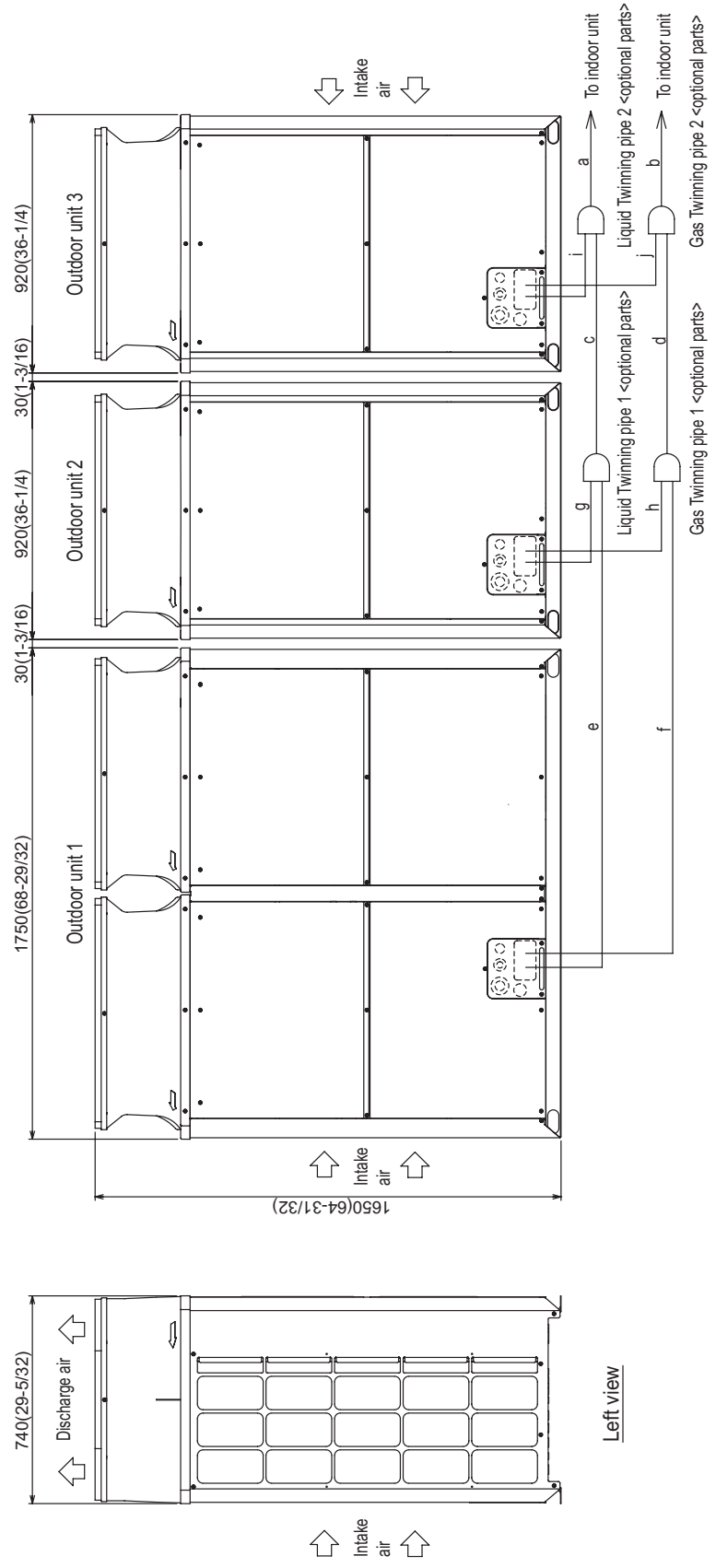
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P264TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P264TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P72TKMU
	Outdoor unit 3		PUHY-P72TKMU
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)

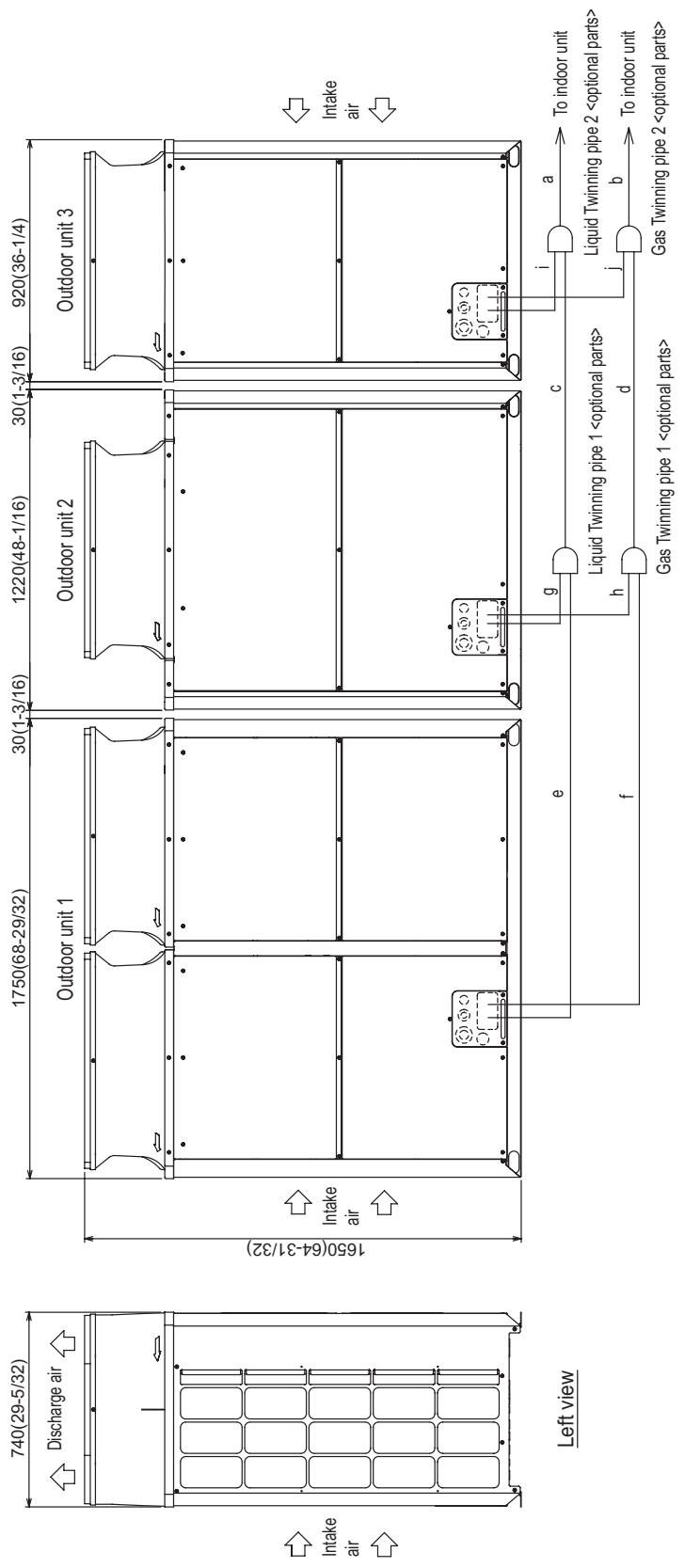
	Unit model	Liquid	Gas
Twinning pipe~Outdoor unit	P72	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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", "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).

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PUHY-P288TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P288TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P96TKMU
	Outdoor unit 3		PUHY-P72TKMU
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)

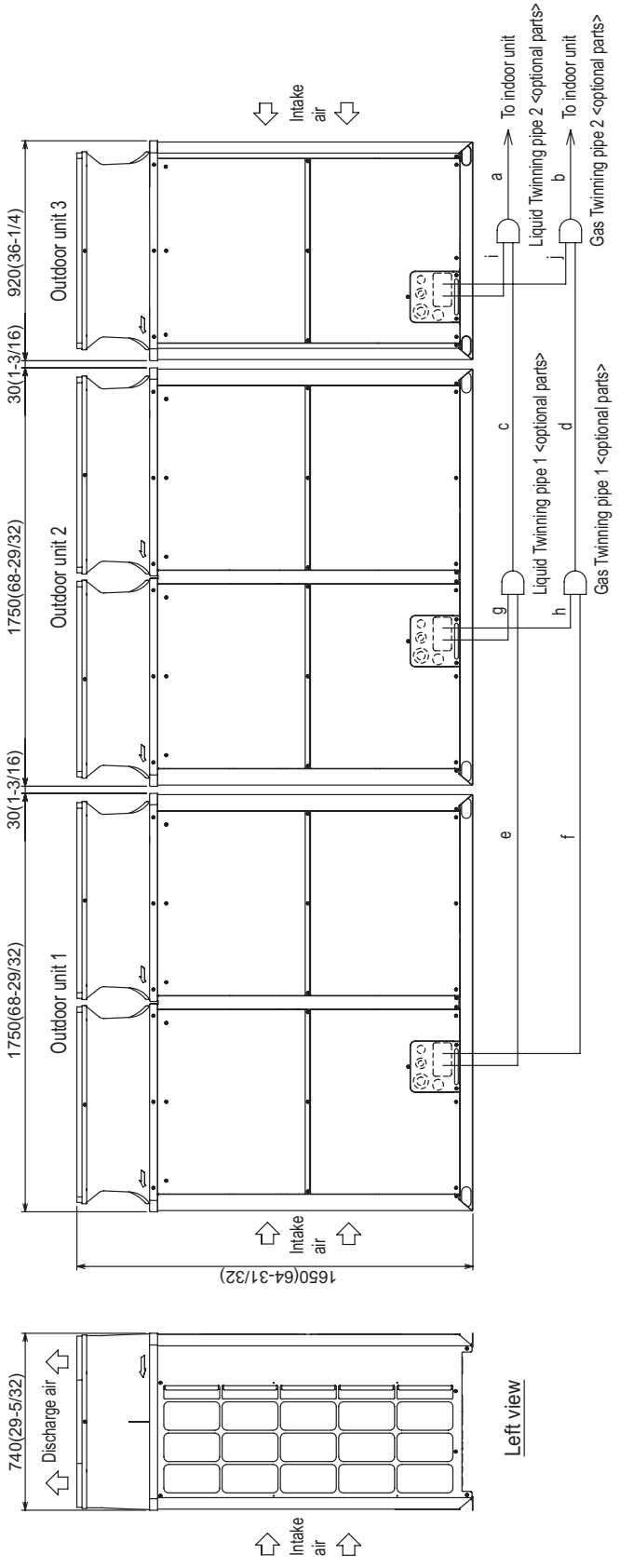
Twinning pipe~Outdoor unit	Unit model	Liquid	Gas
		e or g or i	f or h or j
	P72	ø9.52(3/8)	ø22.2(7/8)
	P96	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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).

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PUHY-P312TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P312TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P120TKMU
	Outdoor unit 3		PUHY-P72TKMU
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)

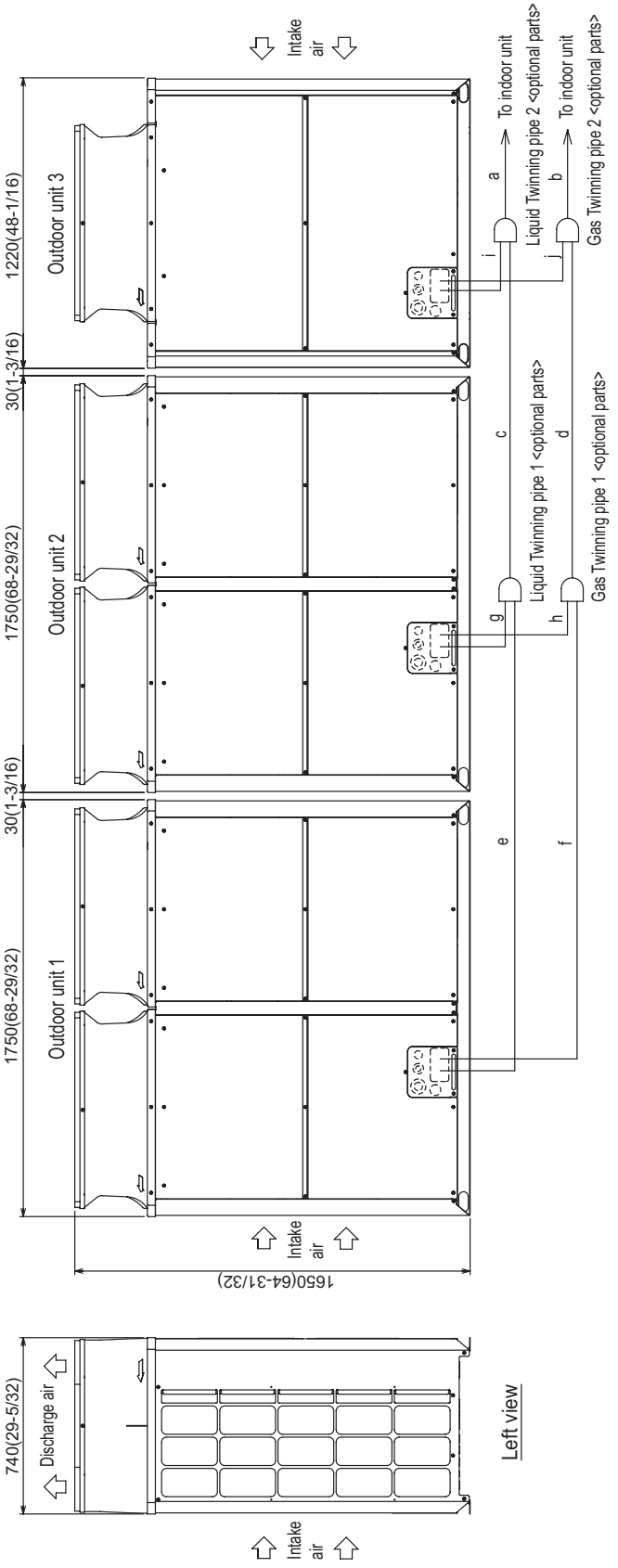
	Unit model	Liquid	Gas
		e or g or i	f or h or j
Twinning pipe–Outdoor unit	P72	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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", "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).

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PUHY-P336TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P336TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P120TKMU
	Outdoor unit 3		PUHY-P96TKMU
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)

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

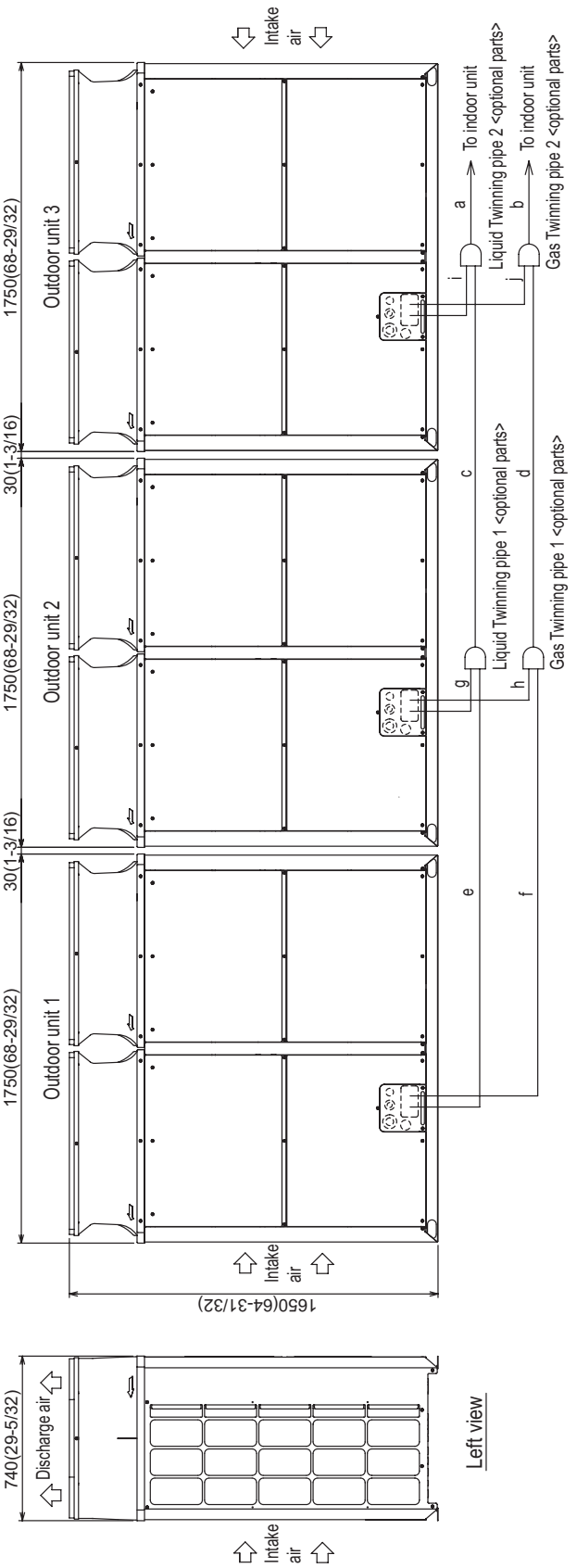
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P360TSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P360TSKMU
Component unit name	Outdoor unit 1		PUHY-P120TKMU
	Outdoor unit 2		PUHY-P120TKMU
	Outdoor unit 3		PUHY-P120TKMU
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)

	Unit model	Liquid	Gas
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).

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2. EXTERNAL DIMENSIONS

PUHY-P72YKMU

Unit : mm(in.)

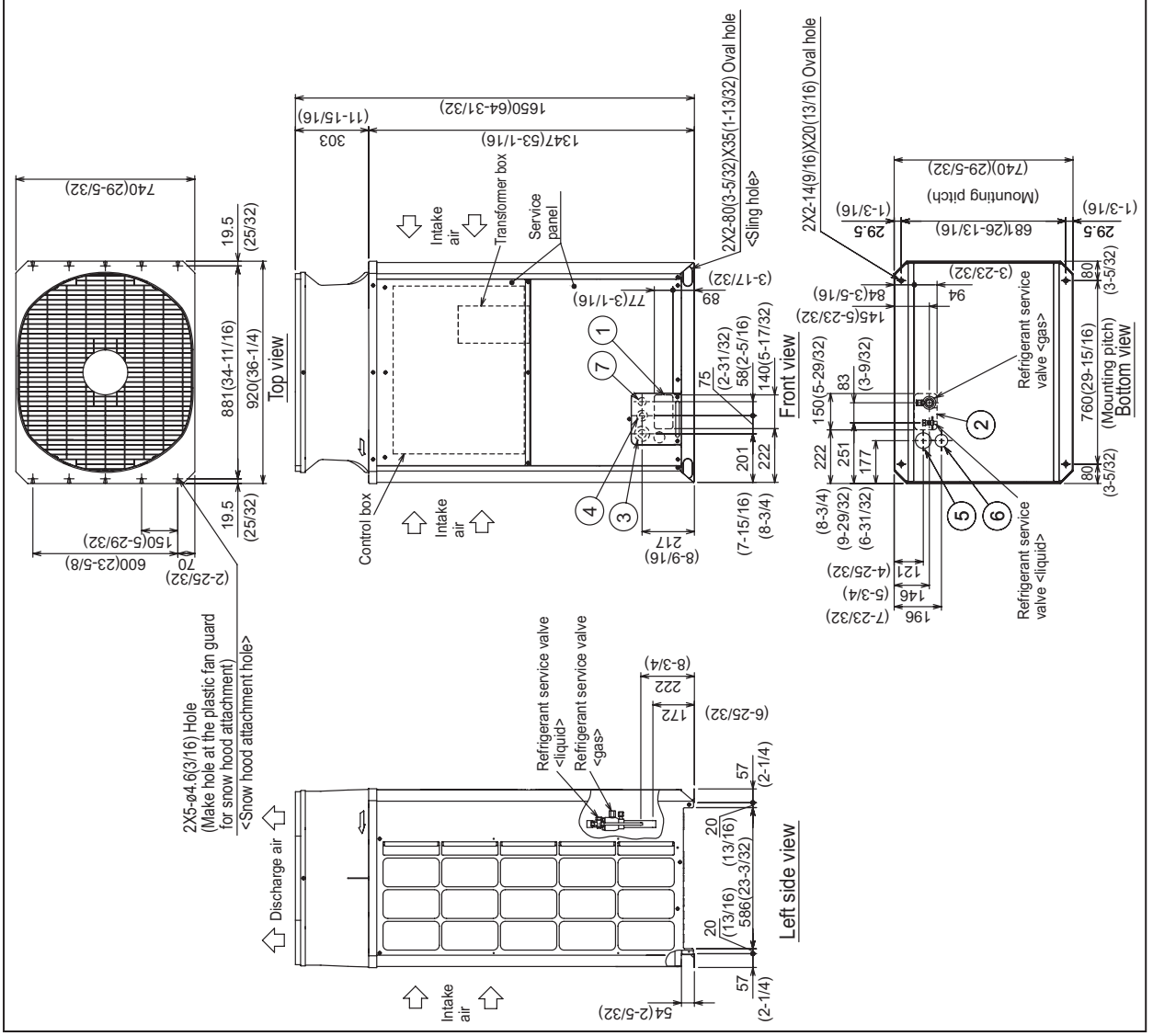
Note1. Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2. At brazing of pipes, wrap the refrigerant service 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 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	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)



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PUHY-P72YKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

② When the height of the walls on the front, back or on the sides<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.

●In case of collective installation

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

2.Foundation work

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

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2. EXTERNAL DIMENSIONS

PUHY-P96YKMU

Unit : mm(in.)

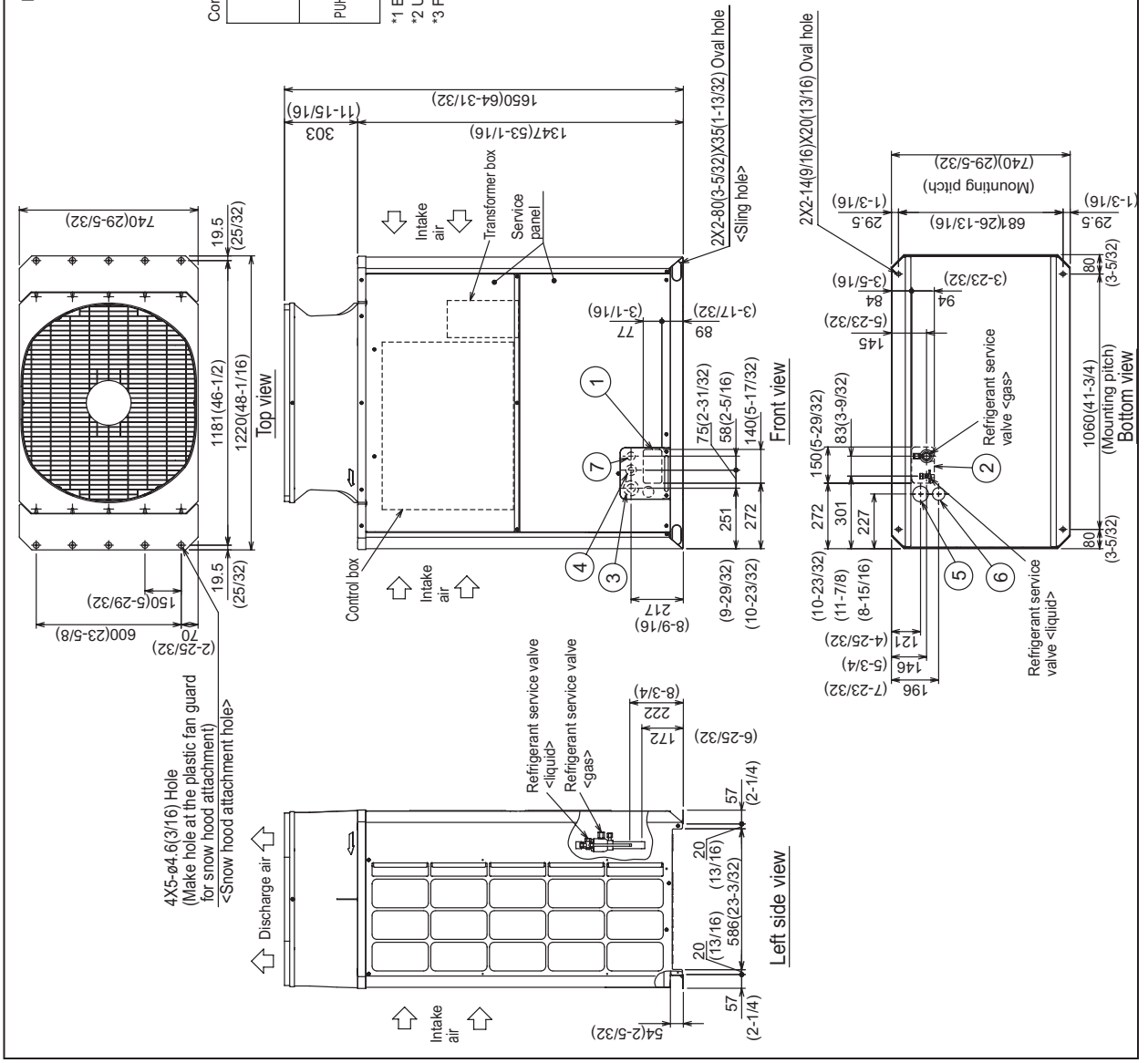
Note1.Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2.At brazing of pipes,wrap the refrigerant service 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 Brazed (3/8) *1 (ø12.7 Brazed (1/2) *2 *3	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.
*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)



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PUHY-P96YKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

② When the height of the walls on the front, back or on the sides<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.

●In case of collective installation

① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.

② At least two sides must be left open.

③ As with the single installation, add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.

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

2.Foundation work

① Take into consideration the surface strength,water drainage route, piping route,and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>

② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A) When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.

③ The protrusion length of the anchor bolt must not exceed 30mm(1-3/16).(Fig.A)

④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts.(Fig.B)

⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.

⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.

⑦ Refer to the Installation Manual when installing units on an installation base.

Fig.A

Fig.B

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2. EXTERNAL DIMENSIONS

PUHY-P120,144YKMU

Unit : mm(in.)

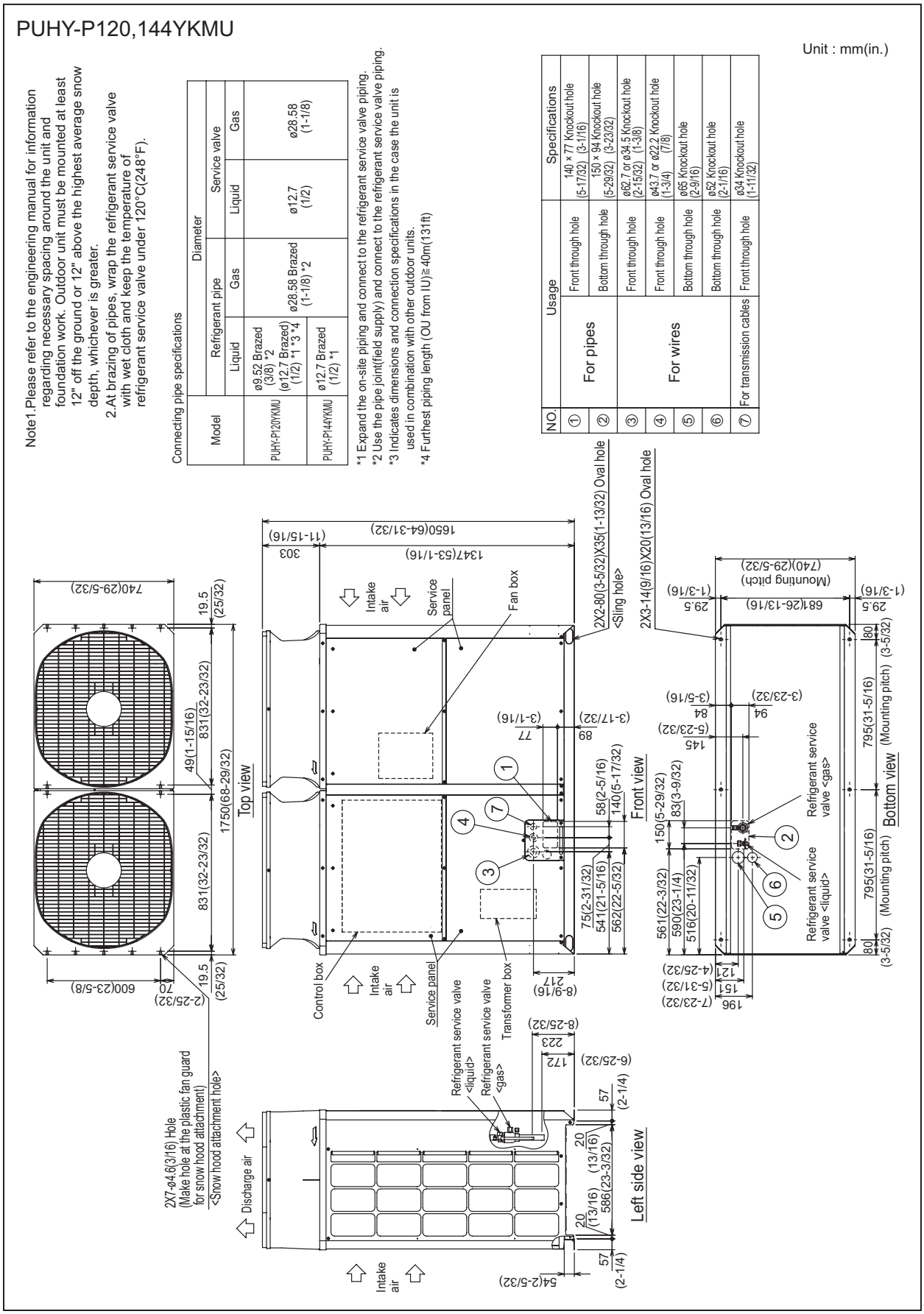
Note1.Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
2.At brazing of pipes, wrap the refrigerant service 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 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-P144YKMU	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 Furthest piping length (OU from IU)≧40m(131ft)

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)



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PUHY-P120,144YKMU

Unit : mm(in.)

1.Required space around the unit

●In case of single installation

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

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

· With a space of at least 100mm(3-15/16) to the wall on the back of the unit

<Unit:mm(in)>

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.

●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.

2.Foundation work

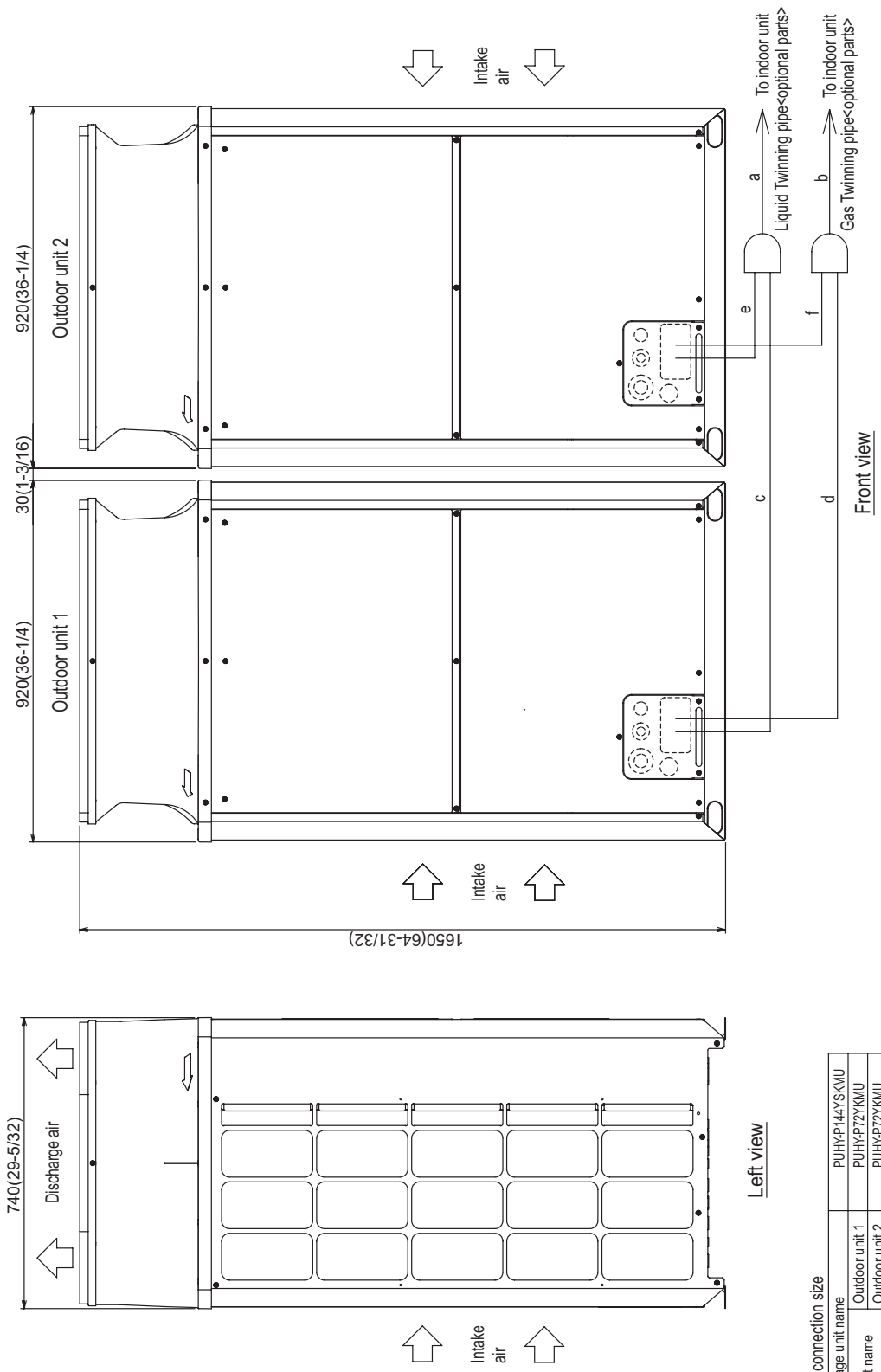
① Take into consideration the surface strength,water drainage route, piping route,and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
② Build the foundation in such way that the corner of the installation leg is securely supported 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.

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2. EXTERNAL DIMENSIONS

PUHY-P144YSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P144YSKMU
Component unit name	Outdoor unit 1		PUHY-P72YKMU
	Outdoor unit 2		PUHY-P72YKMU
Outdoor Twinning Kit(optional parts)			CMY-Y100CBK3
Indoor unit~Twinning pipe	Liquid	a	ø12.7(1/2)
	Gas	b	ø28.58(1-1/8)

	Unit model	Liquid	Gas
Twinning pipe~Outdoor unit	P72	c or e	d or f
		ø9.52(3/8)	ø22.2(7/8)

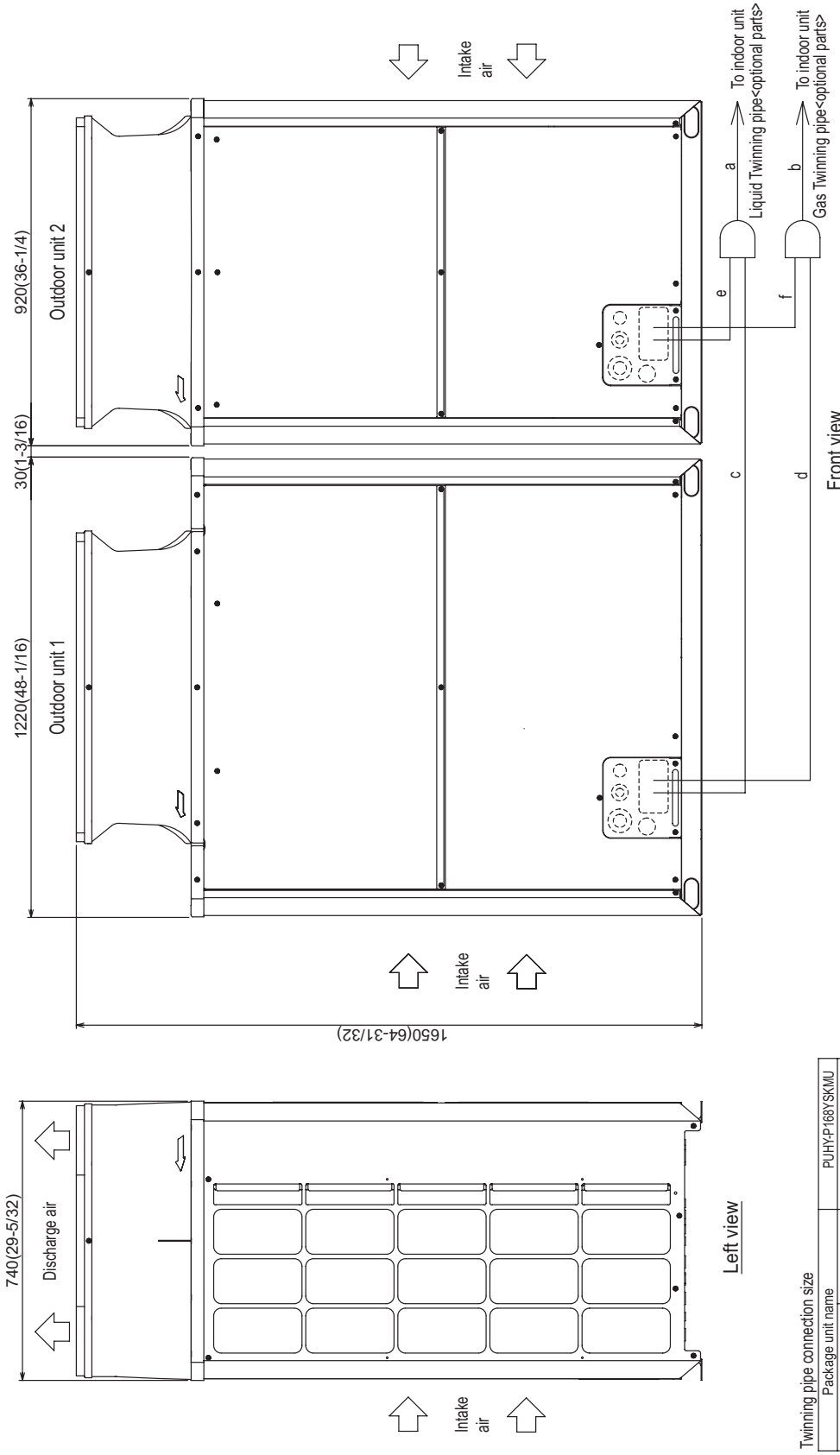
Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P168YSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P168YSKMU
Component unit name	Outdoor unit 1		PUHY-P96YKMU
	Outdoor unit 2		PUHY-P72YKMU
Outdoor Twinning Kit(optional parts)			CMY-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)
	P96	ø9.52(3/8)	ø22.2(7/8)

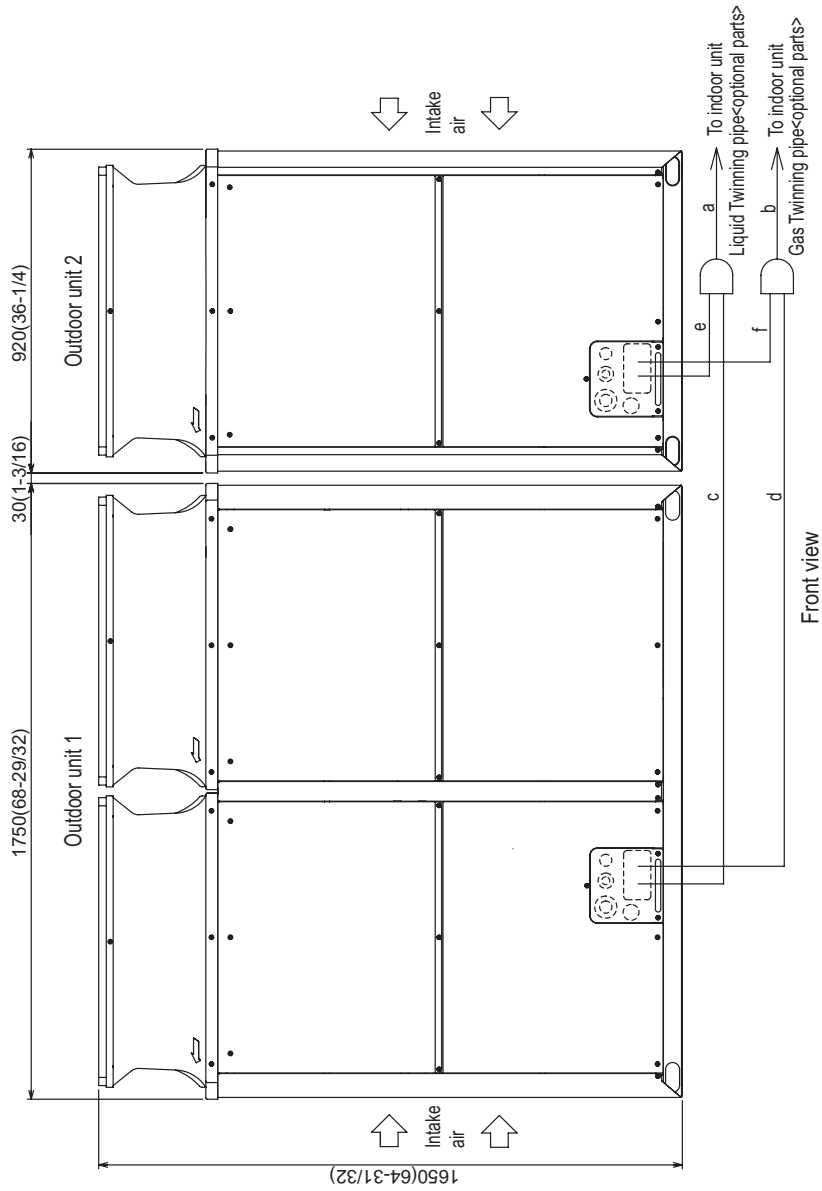
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

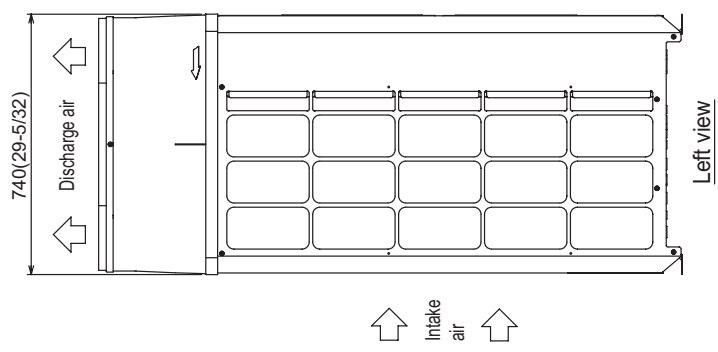
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2. EXTERNAL DIMENSIONS

PUHY-P192YSKMU

Unit : mm(in.)





		Unit model	Liquid	Gas
Twinning pipe~Outdoor unit			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)

Twinning pipe connection size

Package unit name			PUHY-P192YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P72YKMU
Outdoor Twinning Kit(optional parts)			CMY-Y100CBK3
Indoor unit~Twinning pipe	Liquid	a	ø15.88(5/8)
	Gas	b	ø28.58(1-1/8)

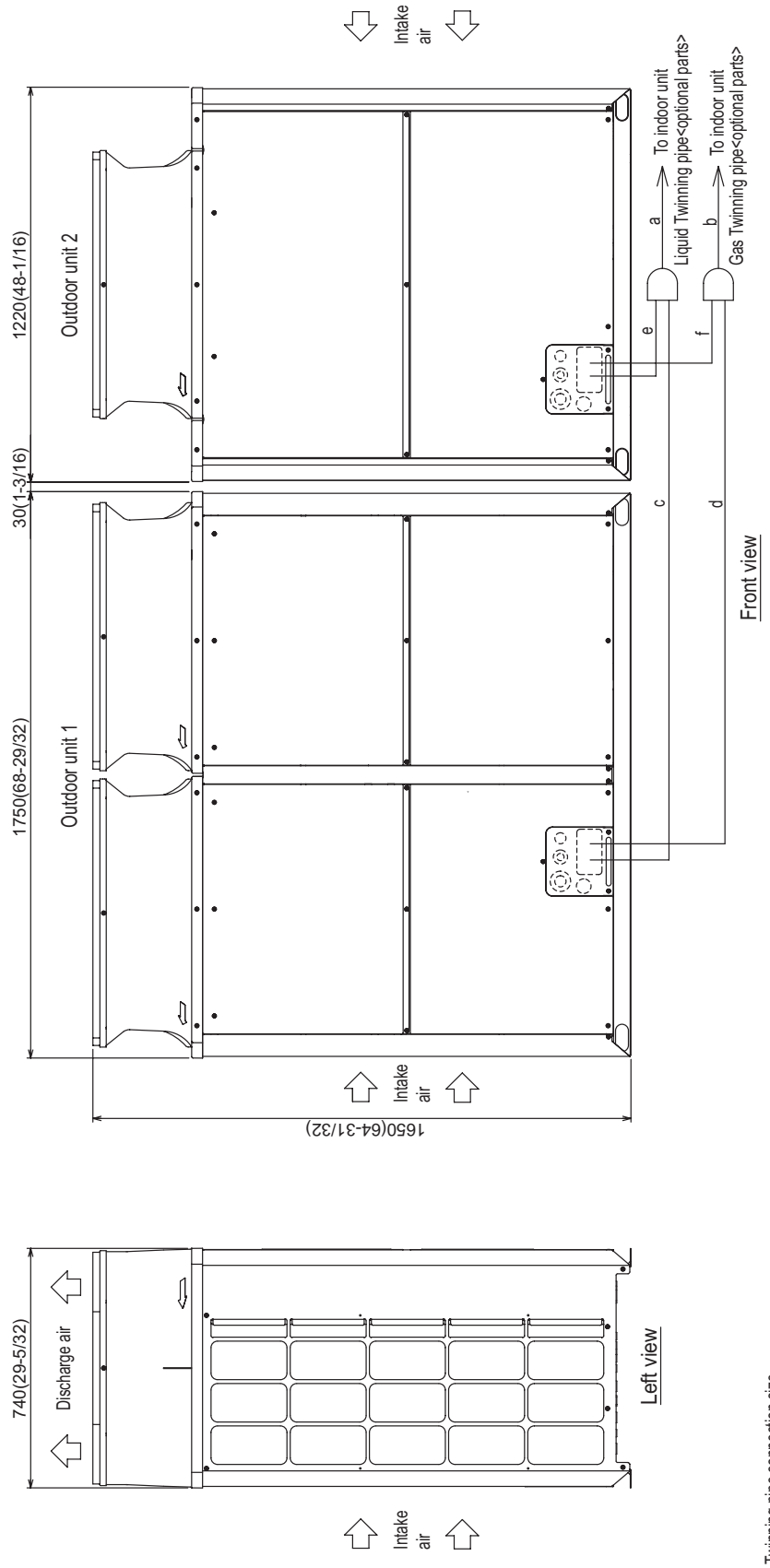
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P216YSKMU

Unit : mm(in.)



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

Twinning pipe connection size

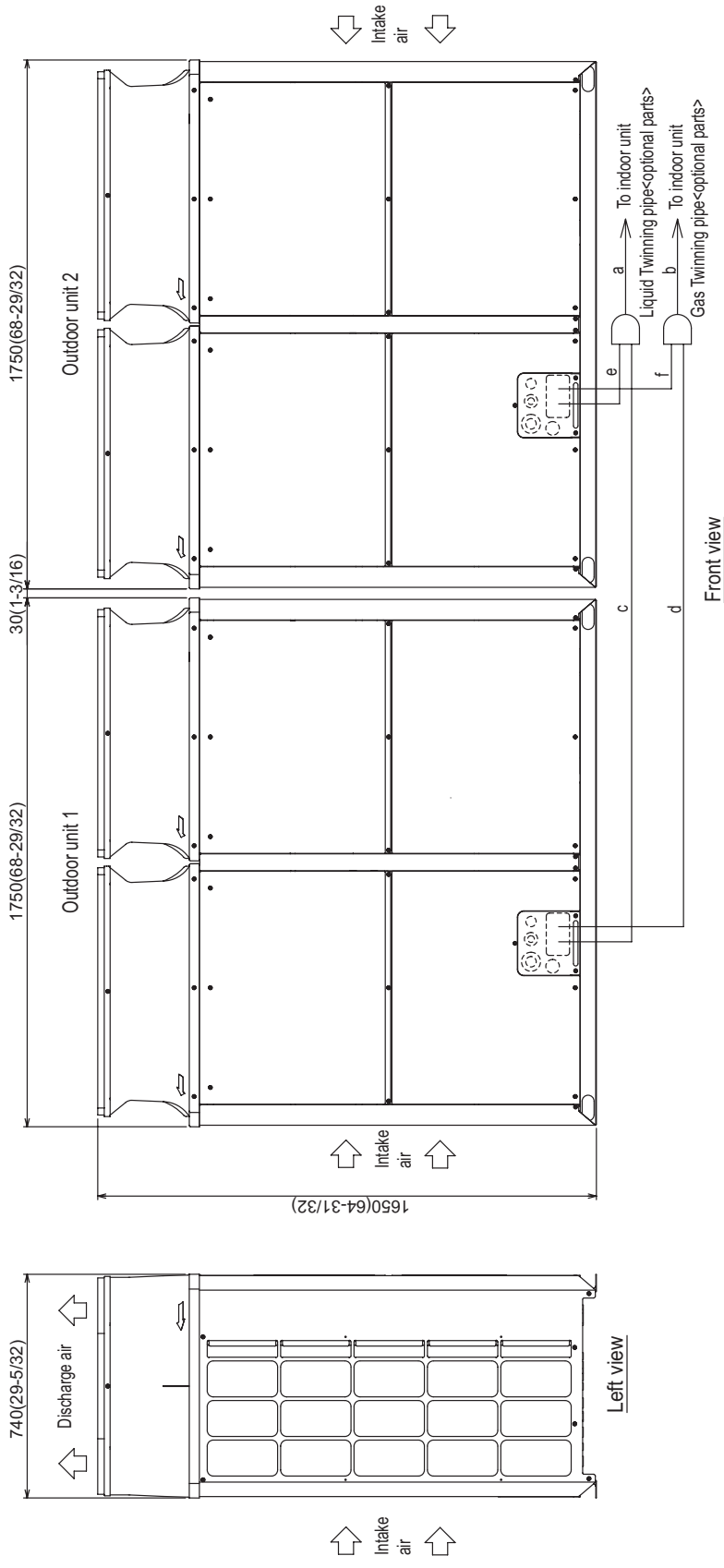
Package unit name			PUHY-P216YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P96YKMU
Outdoor Twinning Kit(optional parts)			CMY-Y100CBK3
Indoor unit~Twinning pipe	Liquid	a	ø15.88(5/8)
	Gas	b	ø28.58(1-1/8)

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

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PUHY-P240YSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P240YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P120YKMU
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
		c or e	d or f
Twinning pipe~Outdoor unit	P120	ø12.7(1/2)	ø28.58(1-1/8)

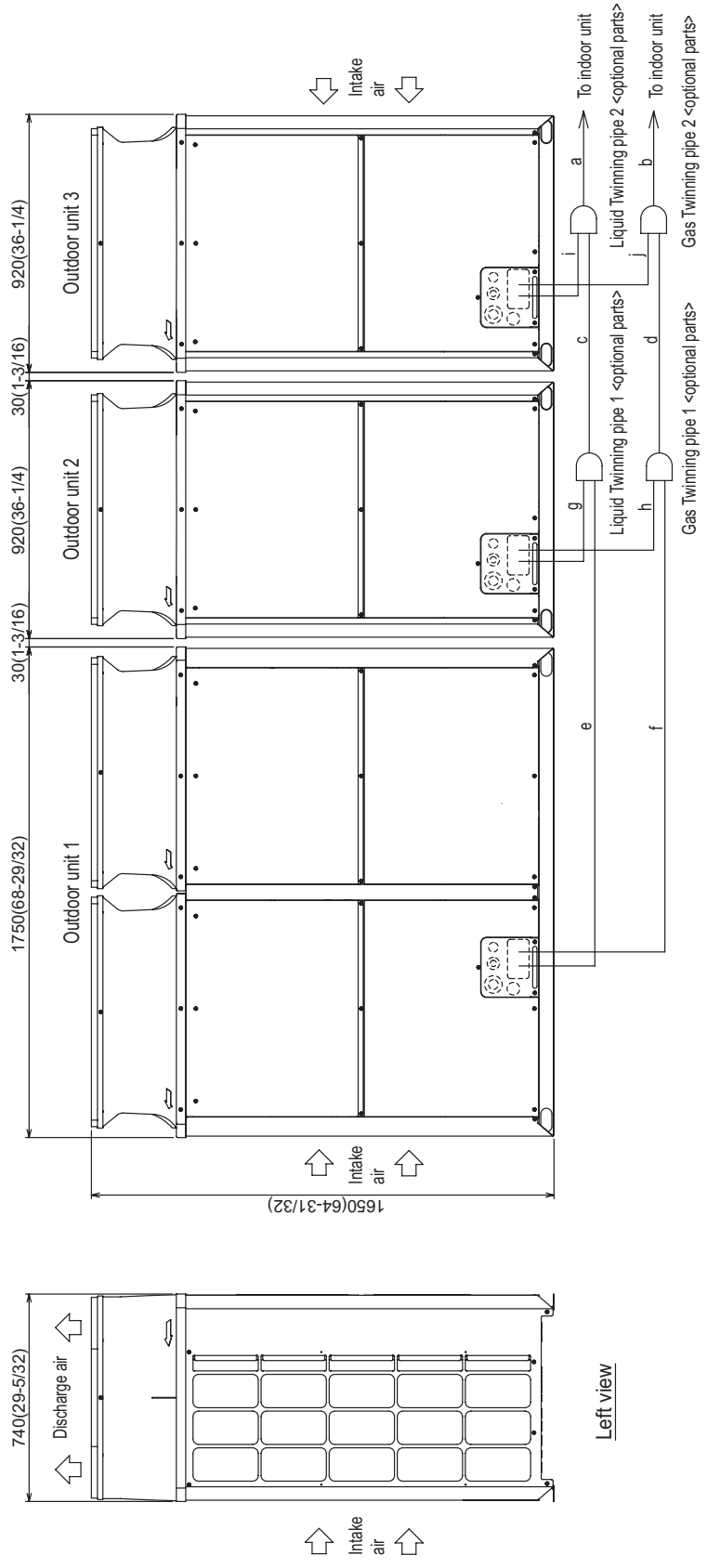
Note 1.Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2.Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
Be sure to see the Installation Manual for details of Twinning pipe installation.
3.The pipe section before the Twinning 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).

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2. EXTERNAL DIMENSIONS

PUHY-P264YSKMU

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name			PUHY-P264YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P72YKMU
	Outdoor unit 3		PUHY-P72YKMU
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	Liquid	Gas
		e or g 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.
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).

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PUHY-P288YSKMU

Unit : mm(in.)

Twinning pipe connection size

Package unit name			PUHY-P288YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P96YKMU
	Outdoor unit 3		PUHY-P72YKMU
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)

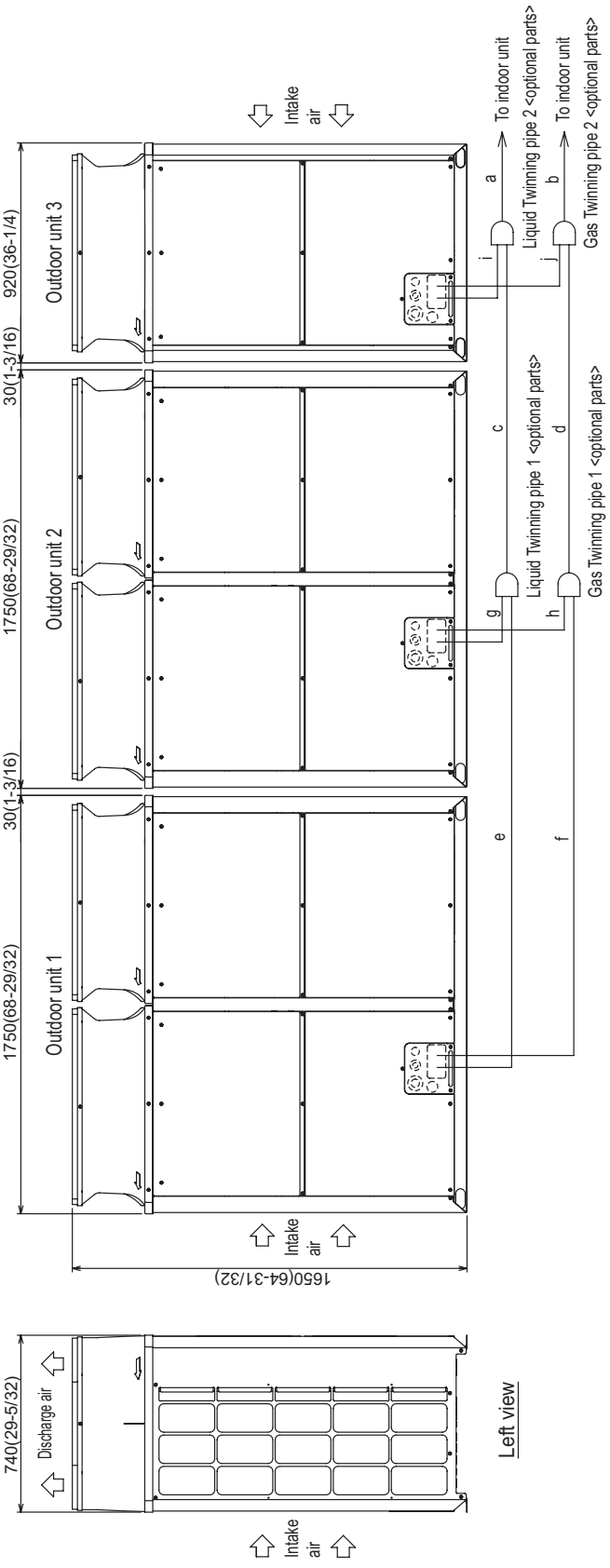
	Unit model	Liquid e or g or i	Gas f or h or j
Twinning pipe~Outdoor unit	P72	ø9.52(3/8)	ø22.2(7/8)
	P96	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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).

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PUHY-P312YSKMU

Unit : mm(in.)



Twinning pipe connection size

Package unit name			PUHY-P312YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P120YKMU
	Outdoor unit 3		PUHY-P72YKMU
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)

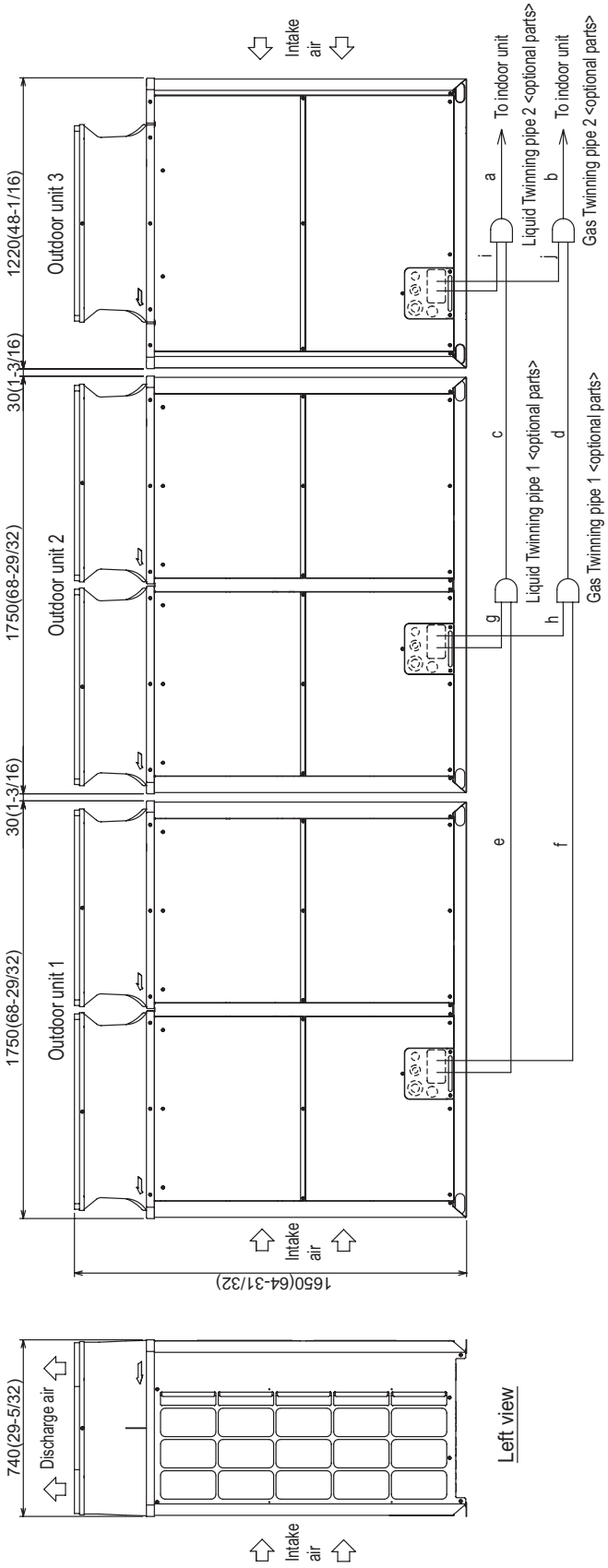
Twinning pipe~Outdoor unit	Unit model	Liquid	Gas
		e or g or i	f or h or j
	P72	ø9.52(3/8)	ø22.2(7/8)
	P120	ø12.7(1/2)	ø28.58(1-1/8)

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.
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).

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PUHY-P336YSKMU

Unit : mm(in.)



Front view

Left view

Twinning pipe connection size

Package unit name			PUHY-P336YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P120YKMU
	Outdoor unit 3		PUHY-P96YKMU
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)

	Unit model	Liquid e or g or i	Gas f or h or j
Twinning pipe–Outdoor unit	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).

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PUHY-P360YSKMU

Unit : mm(in.)

Twinning pipe connection size

Package unit name			PUHY-P360YSKMU
Component unit name	Outdoor unit 1		PUHY-P120YKMU
	Outdoor unit 2		PUHY-P120YKMU
	Outdoor unit 3		PUHY-P120YKMU
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)

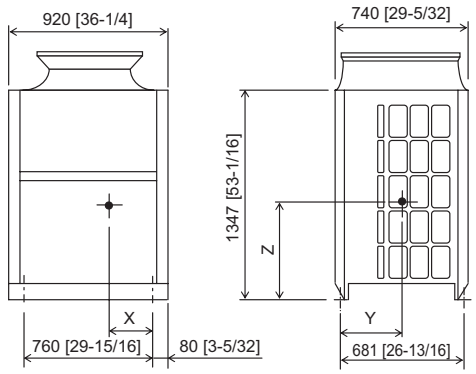
	Unit model	Liquid	Gas
Twinning pipe~Outdoor unit	P120	e or g or i	f or h or j
		ø12.7(1/2)	ø28.58(1-1/8)

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

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3. CENTER OF GRAVITY

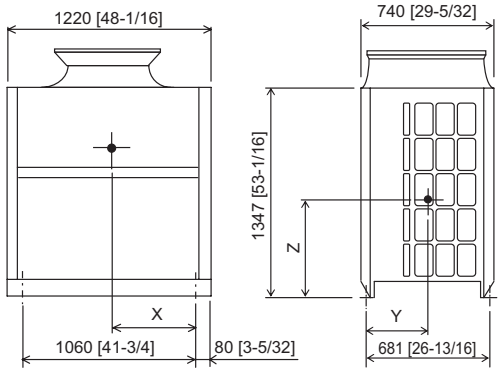
PUHY-P72TKMU
PUHY-P72YKMU



Unit : mm[in.]

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

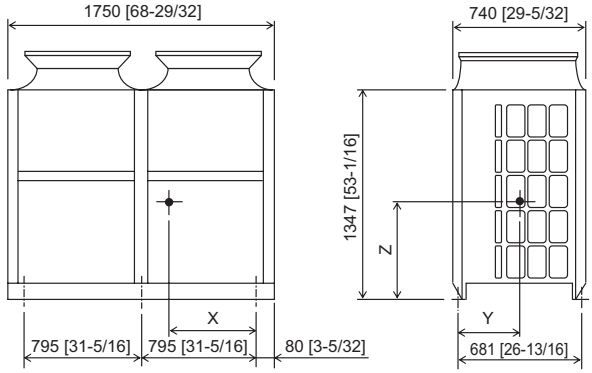
PUHY-P96TKMU
PUHY-P96YKMU



Unit : mm[in.]

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

PUHY-P120, 144TKMU
PUHY-P120, 144YKMU

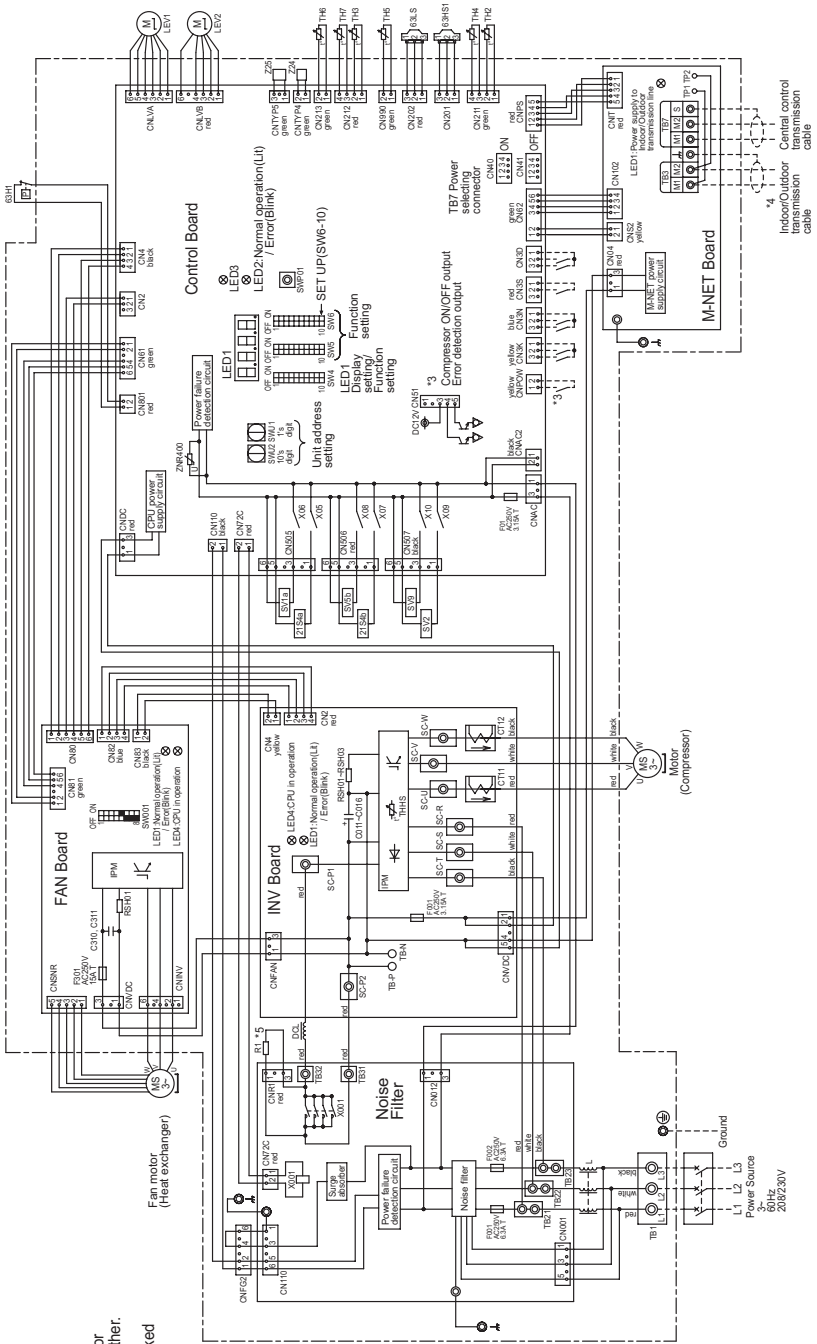


Unit : mm[in.]

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

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PUHY-P72TKMU



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

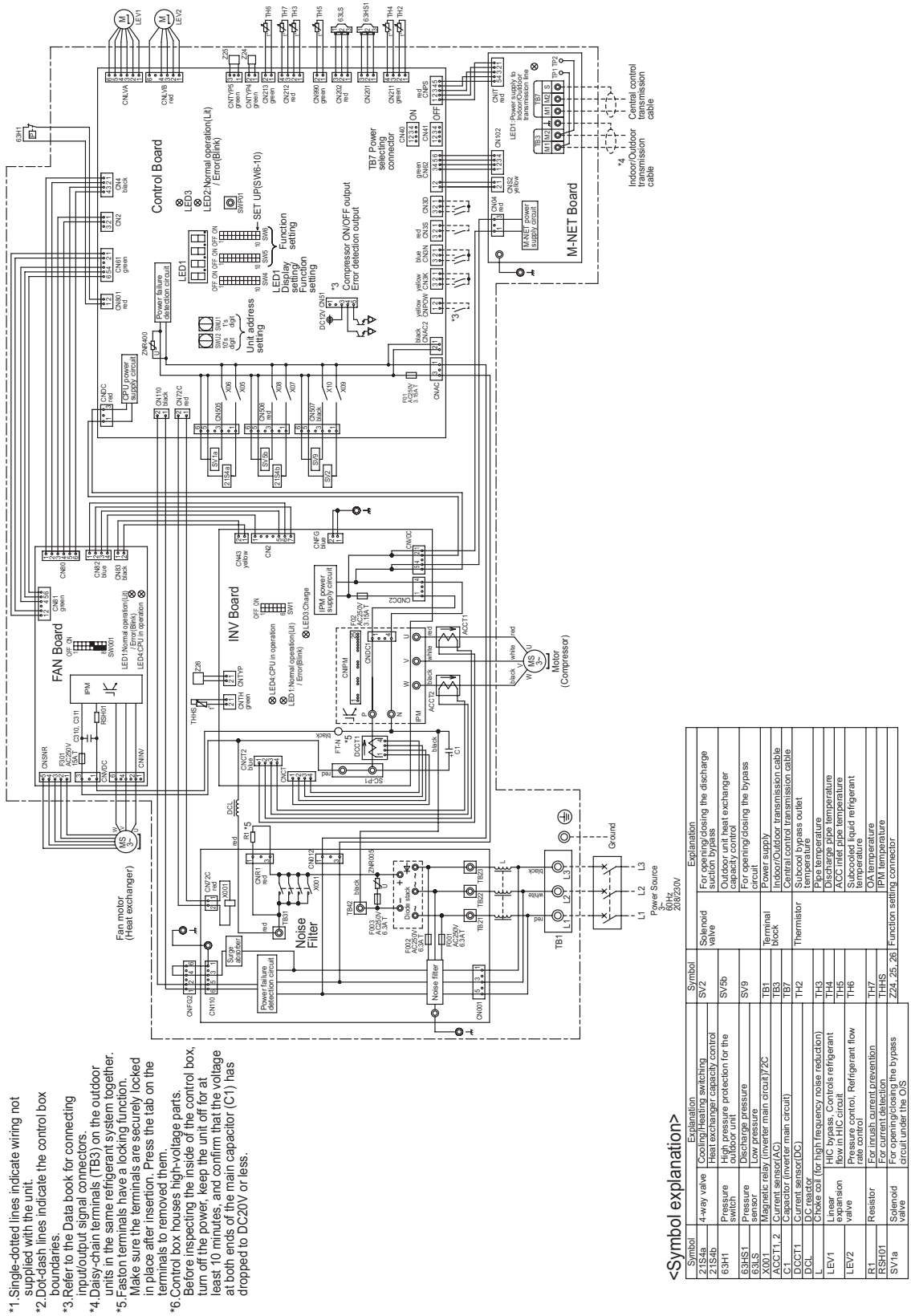
<Symbol explanation>

Symbol	Explanation		Symbol	Explanation	
21S4a	4-way valve	Cooling/Heating switching	SV2	Solenoid valve	For opening/closing the discharge gas bypass
21S4b		Heat exchanger capacity control			
63H1	Pressure switch	High pressure protection for the outdoor unit	SV5b		Outdoor unit heat exchanger capacity control
63HS1	Pressure sensor	Discharge pressure	SV9		For opening/closing the bypass circuit
63LS		Low pressure			
X001	Magnetic relay (Inverter main circuit)		TB1	Terminal block	Power supply
C011–C016	Capacitor (inverter main circuit)		TB3		Indoor/Outdoor transmission cable
CT11, 12	Current sensor(AC)		TB7		Central control transmission cable
DCL	DC reactor				
L	Choke coil (for high frequency noise reduction)		TH2	Thermistor	Subcool bypass outlet temperature
LEV1	Linear expansion valve	HIC bypass, Controls refrigerant flow in HIC circuit			Pipe temperature
LEV2		Pressure control, Refrigerant flow rate control	TH3		Discharge pipe temperature
R1	Resistor	For inrush current prevention	TH4		ACC inlet pipe temperature
RSH01(FAN Board)		For current detection	TH5		Subcooled liquid refrigerant temperature
RSH01-RSH03 (INV Board)		For current detection	TH6		OA temperature
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S	TH7		TH temperature
			TH10		IPM temperature
			Z24, 25	Function setting connector	

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4. ELECTRICAL WIRING DIAGRAMS

PUHY-P96TKMU



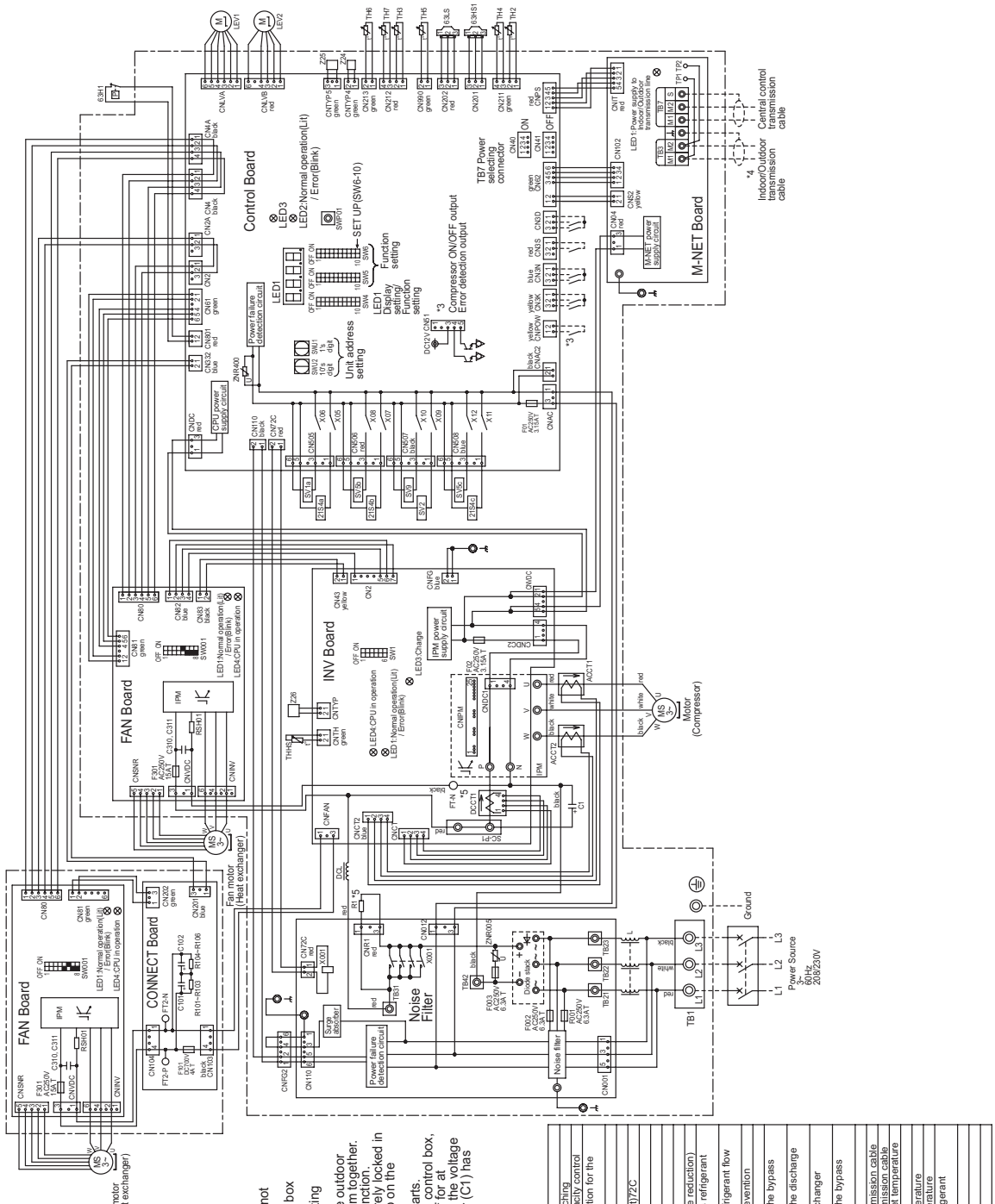
*1. Single-dotted lines indicate wiring not supplied with the unit.
*2. Dot-dash lines indicate the control box boundaries.
*3. Refer to the Data book for connecting input/output signal connectors.
*4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
*5. Faston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

<Symbol explanation>

Symbol	Explanation	Symbol	Explanation
21S4a	4-way valve	SV2	Solenoid valve
21S4b	Heat exchanger capacity control		
63H1	Pressure switch	SV5b	
63HS1	Pressure sensor	SV9	
63LS	Low pressure		
X001	Magnetic relay (Inverter main circuit)	TB1	Terminal block
ACCT1,2	Current sensor(AC)	TB3	
C1	Capacitor (inverter main circuit)	TB7	
DCCT1	Current sensor(DC)	TH2	Thermistor
DCL	DC reactor		
L	Choke coil (for high frequency noise reduction)	TH3	
LEV1	Linear expansion valve	TH4	
		TH5	
LEV2		TH6	
R1	Resistor	TH7	
RSH01		THHS	
SV1a	Solenoid valve	Z24, 25, 26	Function setting connector

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PUHY-P120,144TKMU



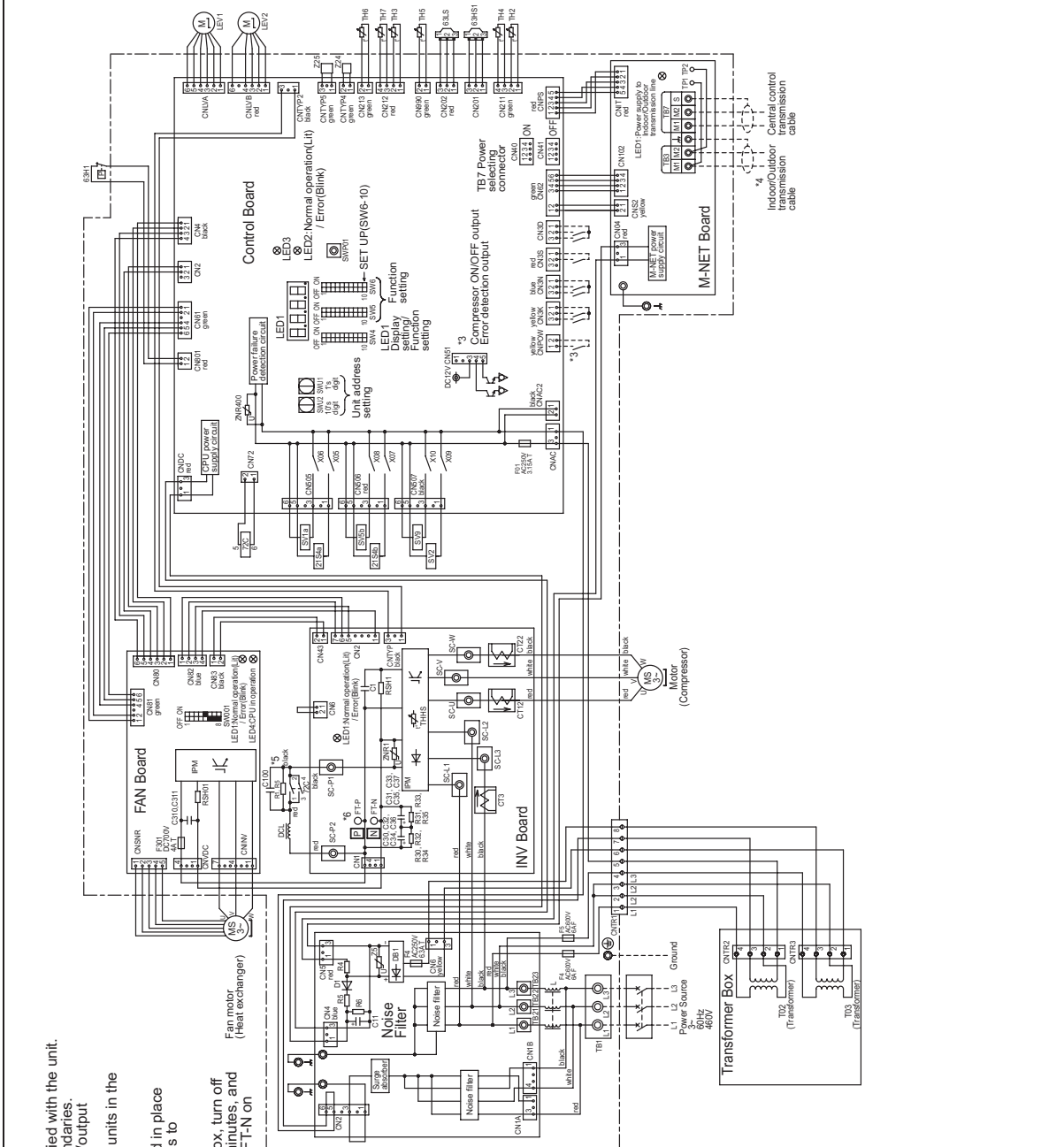
*1.Single-dotted lines indicate wiring not supplied with the unit.
*2.Dot-dash lines indicate the control box boundaries.
*3.Refer to the Data book for connecting input/output signal connectors.
*4.Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
*5.Faston terminals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

<Symbol explanation>

Symbol	Explanation	
21S4a	4-way valve	Cooling/Heating switching
21S4b, c		Heat exchanger capacity control
63H1	Pressure switch	High pressure protection for the outdoor unit
63HS1	Pressure sensor	Discharge pressure
63LS		Low pressure
X001	Magnetic relay (inverter main circuit)	Y2C
ACCT1, 2	Current sensor(AC)	
C1	Capacitor (inverter main circuit)	
DCCT1	Current sensor(DC)	
DCL	DC reactor	
L	Choke coil (for high frequency noise reduction)	
LEV1	Linear expansion valve	HIC bypass, Controls refrigerant flow in HIC circuit
LEV2		Pressure control, Refrigerant flow rate control
R1	Resistor	For inrush current prevention
RSH01		For current detection
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S
SV2		For opening/closing the discharge suction bypass
SV5b, c		Outdoor unit heat exchanger capacity control
SV9		For opening/closing the bypass circuit
TB1	Terminal block	Power supply
TB3		Indoor/Outdoor transmission cable
TB7		Central control transmission cable
TH2	Thermistor	Subcool bypass outlet temperature
TH3		Pipe temperature
TH4		Discharge pipe temperature
TH5		ACC inlet pipe temperature
TH6		Subcooled liquid refrigerant temperature
TH7		OA temperature
THHS		IPM temperature
Z24, 25, 26	Function setting connector	

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PUHY-P72,96YKMU



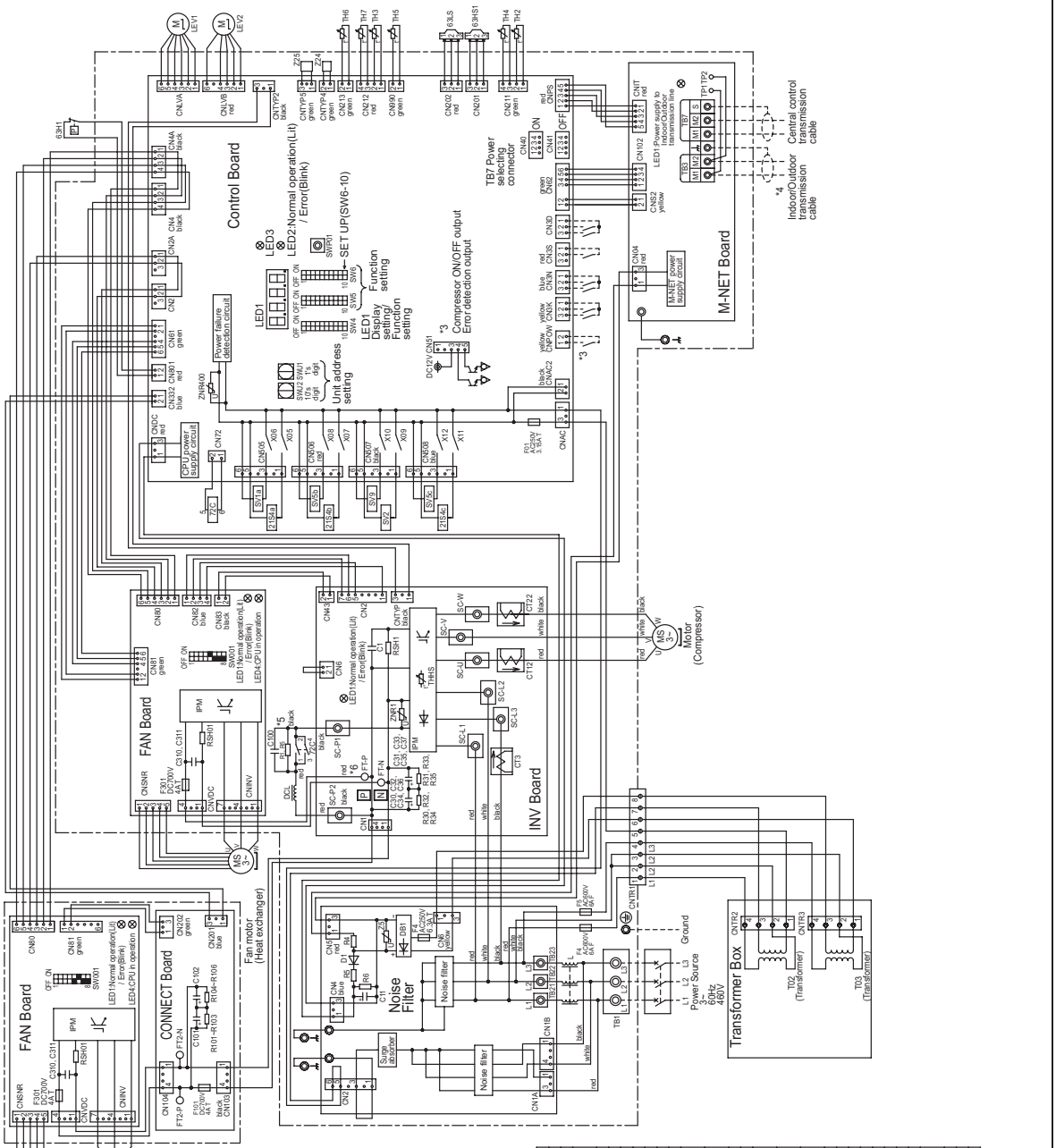
*1. Single-dotted lines indicate wiring not supplied with the unit.
*2. Dot-dash lines indicate the control box boundaries.
*3. Refer to the Data book for connecting input/output signal connectors.
*4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
*5. Faston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

<Symbol explanation>

Symbol		Explanation
21S4a	4-way valve	Cooling/Heating switching
21S4b		Heat exchanger capacity control
63H1	Pressure switch	High pressure protection for the outdoor unit
63HS1	Pressure sensor	Discharge pressure
63LS		Low pressure
72C	Magnetic relay	(inverter main circuit)
C30~C37	Capacitor	(inverter main circuit)
CT12, 22, 3	Current sensor	(AC)
DCL	DC reactor	
L	Choke coil	(for high frequency noise reduction)
LEV1	Linear expansion valve	HIC bypass, Controls refrigerant flow in HIC circuit
LEV2		Pressure control, Refrigerant flow rate control
R1,5	Resistor	For inrush current prevention
RSH01,RSH1		For current detection
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S
SV2		For opening/closing the discharge suction bypass
SV5b		Outdoor unit heat exchanger capacity control
SV9		For opening/closing the bypass circuit
TB1	Terminal block	Power supply
TB3		Indoor/Outdoor transmission cable
TB7		Central control transmission cable
TH2	Thermistor	Subcool bypass outlet temperature
TH3		Pipe temperature
TH4		Discharge pipe temperature
TH5		ACC inlet pipe temperature
TH6		Subcooled liquid refrigerant temperature
TH7		O.A temperature
THHS		IPM temperature
Z24, 25	Function setting	connector

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PUHY-P120,144YKMU



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

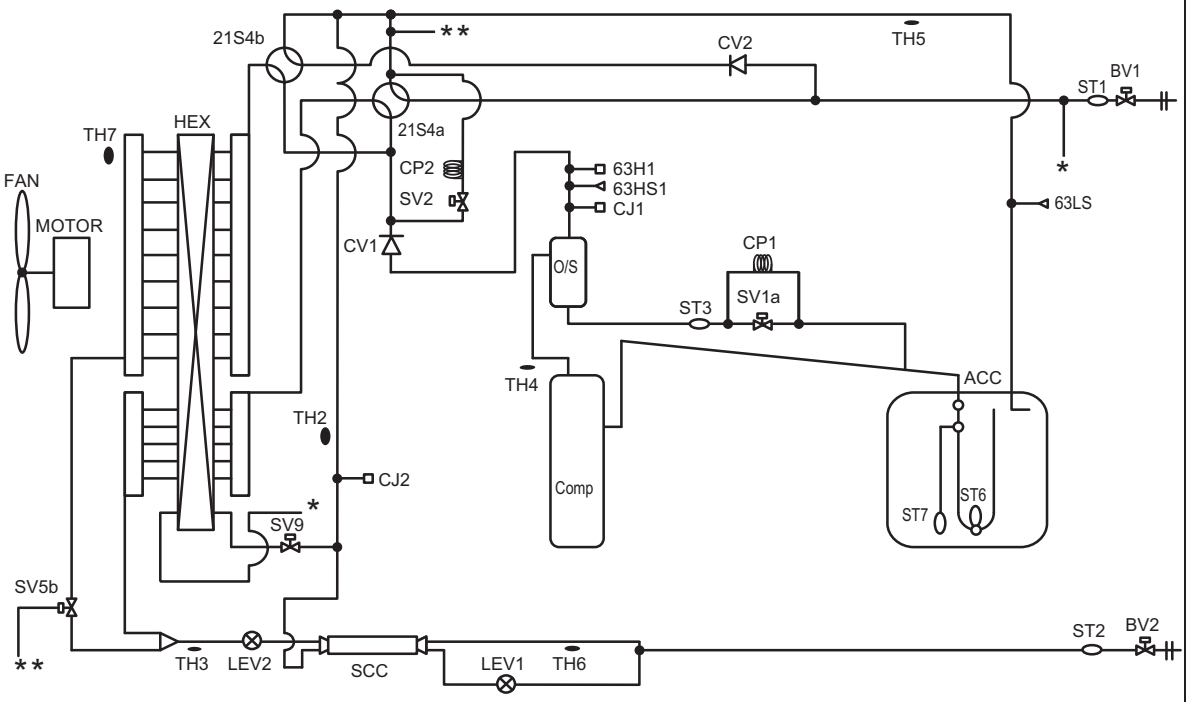
<Symbol explanation>

Symbol		Explanation
21S4a	4-way valve	Cooling/Heating switching
21S4b, c		Heat exchanger capacity control
63H1	Pressure switch	High pressure protection for the outdoor unit
63HS1	Pressure sensor	Discharge pressure
63LS		Low pressure sensor (Inverter main circuit)
C39–C37	Magnetic relay (Inverter main circuit)	
C12, 22, 3	Capacitor (inverter main circuit)	
CT12, 22, 3	Current sensor(AC)	
DCL	DC reactor	
L	Choke coil (for high frequency noise reduction)	
LEV1	Linear expansion valve	HIC bypass, Controls refrigerant flow in HIC circuit
LEV2		Pressure control, Refrigerant flow rate control
R1, 5	Resistor	For inrush current prevention
R3H1, R5H1		For current detection
SV1a	Solenoid valve	For opening/closing the bypass circuit under the O/S
SV2		For opening/closing the discharge suction bypass
SV5b, c		Outdoor unit heat exchanger capacity control
SV9		For opening/closing the bypass circuit
TB1	Terminal block	Power supply
TB3		Indoor/Outdoor transmission cable
TB7		Central control transmission cable
TH2	Thermistor	Subcool bypass outlet temperature
TH3		Pipe temperature
TH4		Discharge pipe temperature
TH5		ACC inlet pipe temperature
TH6		Subcooled liquid refrigerant temperature
TH7		OA temperature
THHS		IPM temperature
Z24, 25	Function setting connector	

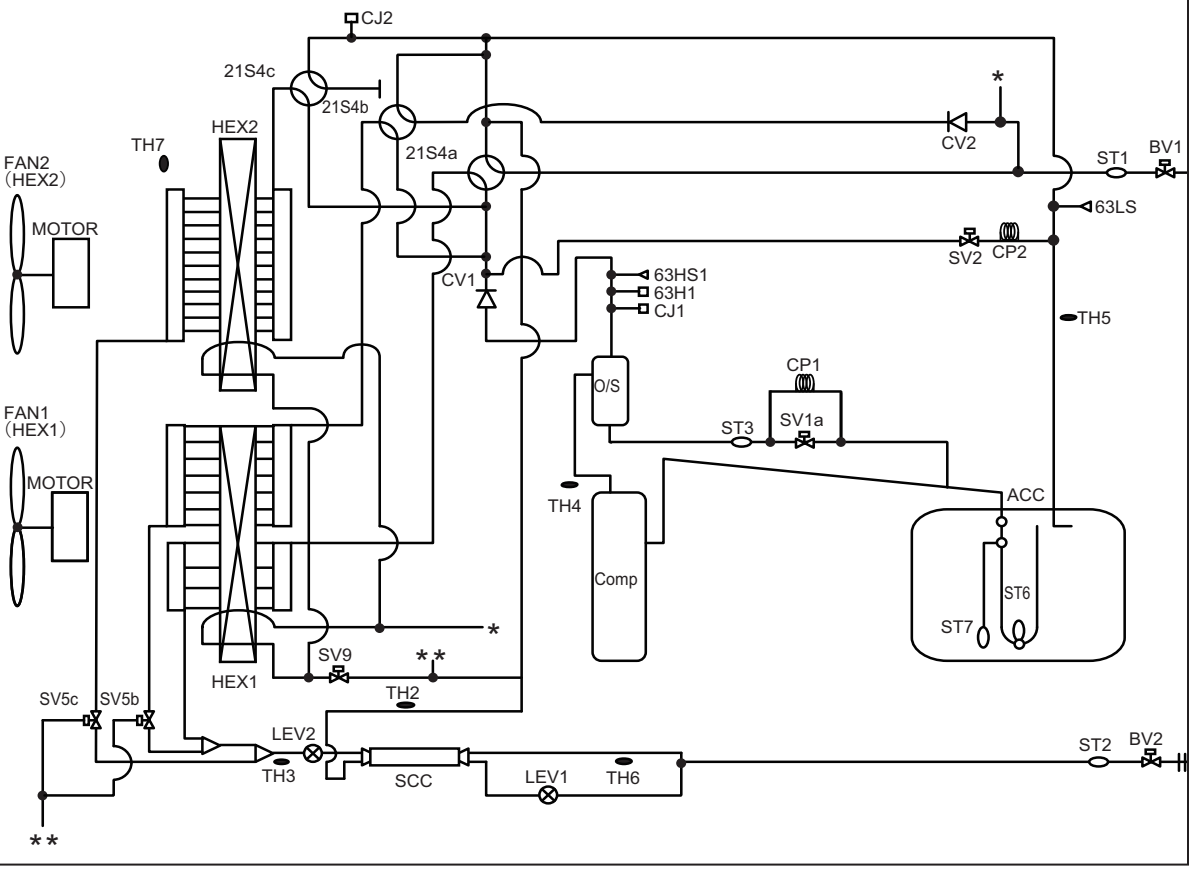
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5. REFRIGERANT CIRCUIT DIAGRAMS

(1) PUHY-P72, P96 models



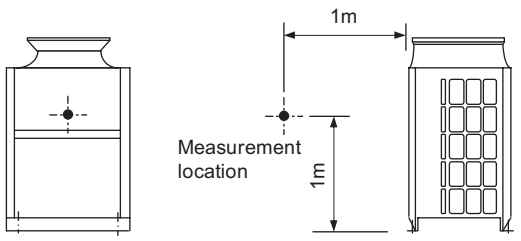
(2) PUHY-P120, P144 models



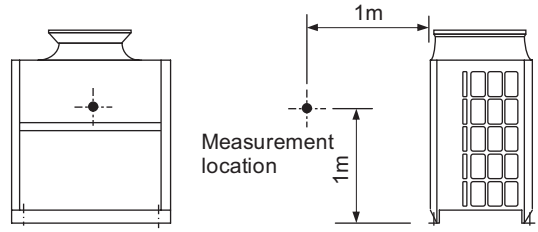
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6. SOUND PRESSURE LEVELS

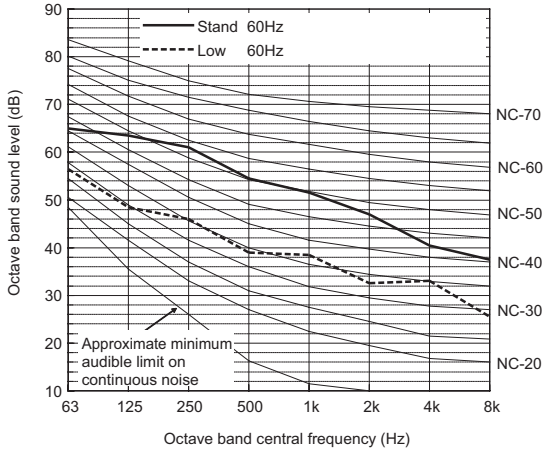
Measurement condition
PUHY-P72TKMU/YKMU



Measurement condition
PUHY-P96TKMU/YKMU



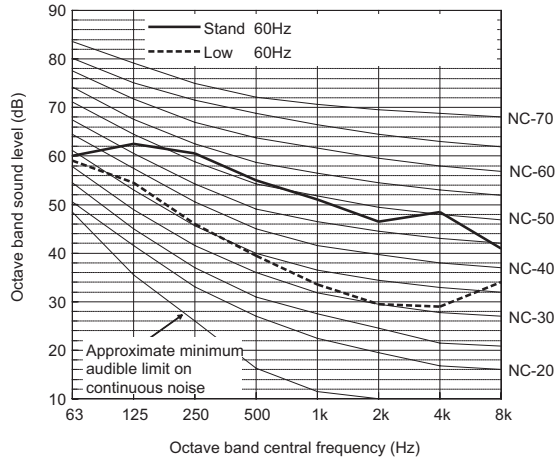
Sound level of PUHY-P72T/YKMU



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

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

Sound level of PUHY-P96T/YKMU



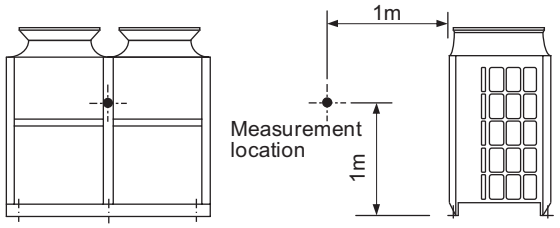
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	60.0	62.5	60.5	55.0	51.0	46.5	48.5	41.0	58.0
Low noise mode	60Hz	59.0	54.5	46.0	39.5	33.5	29.5	29.0	34.0	44.0

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.

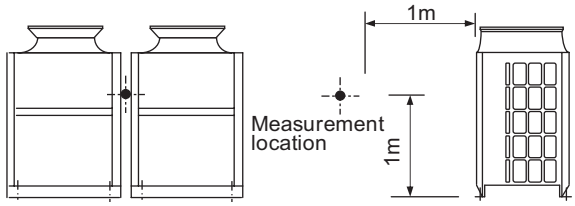
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6. SOUND PRESSURE LEVELS

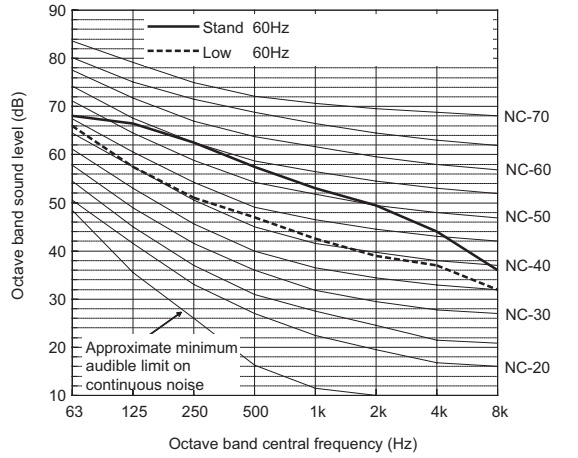
Measurement condition
PUHY-P120,144TKMU/YKMU



Measurement condition
PUHY-P144YSKMU



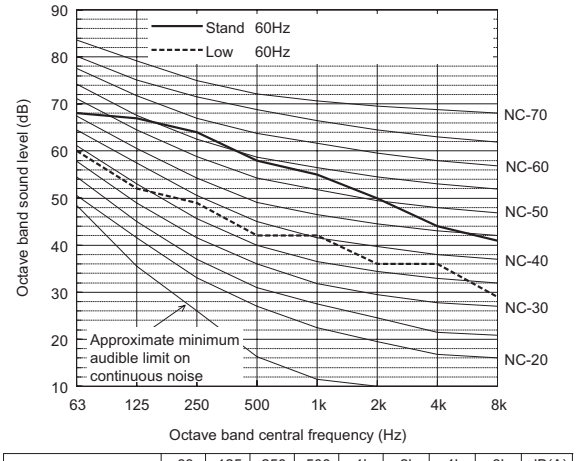
Sound level of PUHY-P120T/YKMU



		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.

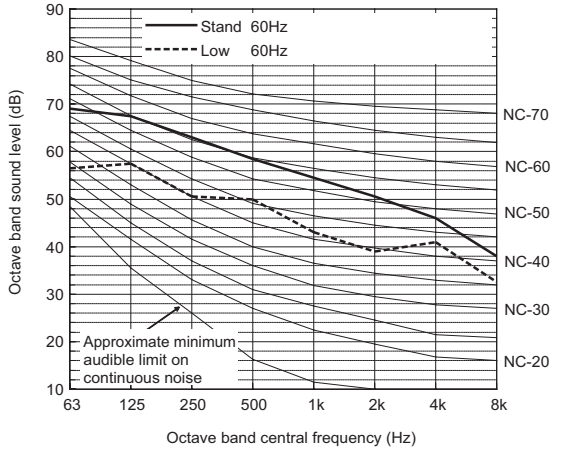
Sound level of PUHY-P144YSKMU



		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



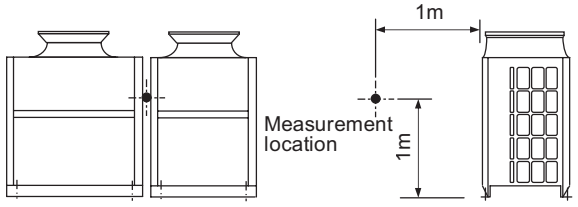
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	69.0	67.5	63.0	58.5	54.5	50.5	46.0	38.0	61.0
Low noise mode	60Hz	56.5	57.5	50.5	50.0	43.0	39.0	41.0	32.5	51.0

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.

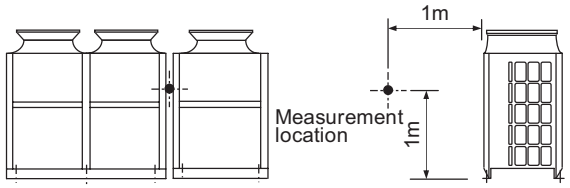
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6. SOUND PRESSURE LEVELS

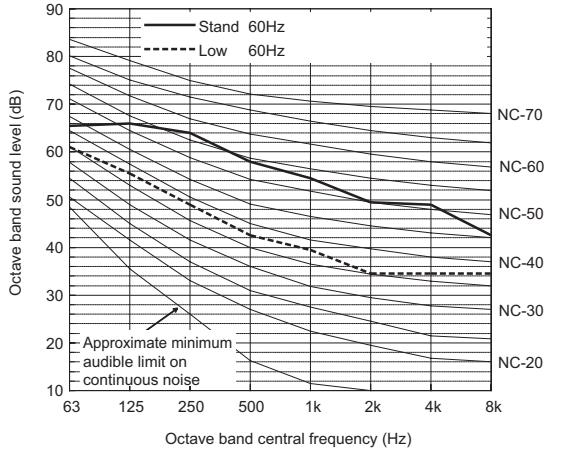
Measurement condition
PUHY-P168YSKMU



Measurement condition
PUHY-P192TSKMU/YSKMU



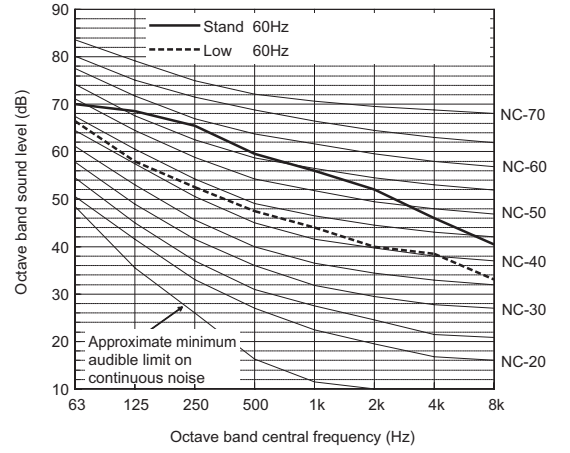
Sound level of PUHY-P168T/YSKMU



		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



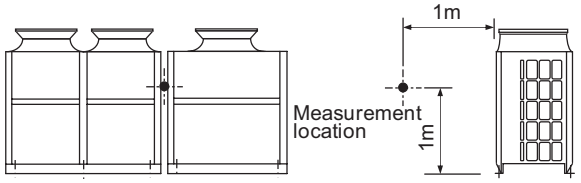
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	70.0	68.5	65.5	59.5	56.0	52.0	46.0	40.5	62.5
Low noise mode	60Hz	66.5	58.0	52.5	47.5	44.0	40.0	38.5	33.0	51.0

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.

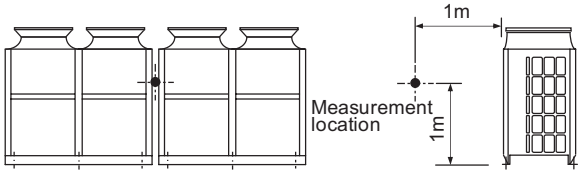
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6. SOUND PRESSURE LEVELS

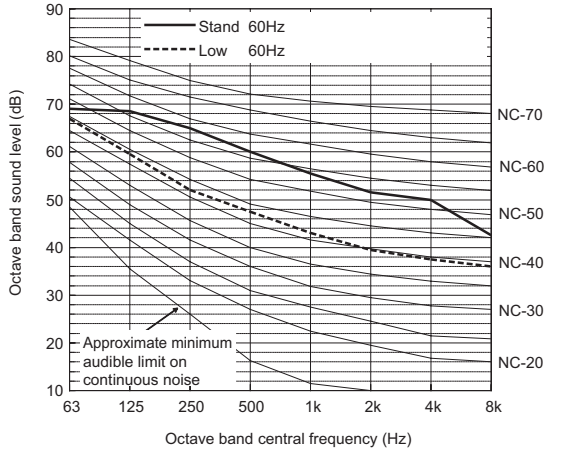
Measurement condition
PUHY-P216TSKMU/YSKMU



Measurement condition
PUHY-P240TSKMU/YSKMU



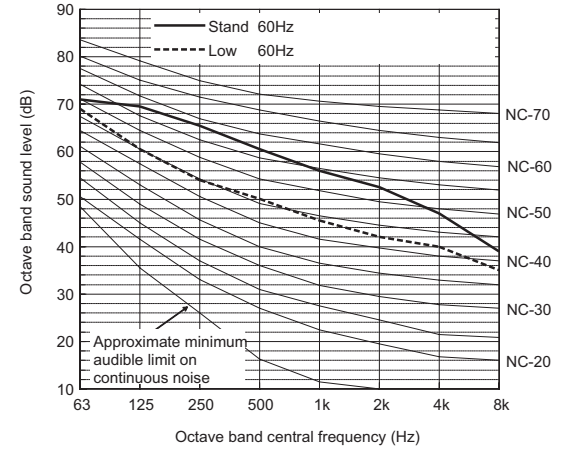
Sound level of PUHY-P216T/YSKMU



		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



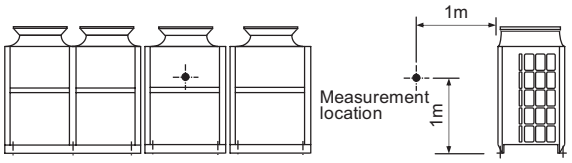
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.0	69.5	65.5	60.5	56.0	52.5	47.0	39.0	63.0
Low noise mode	60Hz	69.0	60.5	54.0	50.0	45.5	42.0	40.0	35.0	53.0

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.

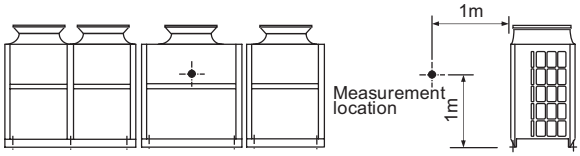
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6. SOUND PRESSURE LEVELS

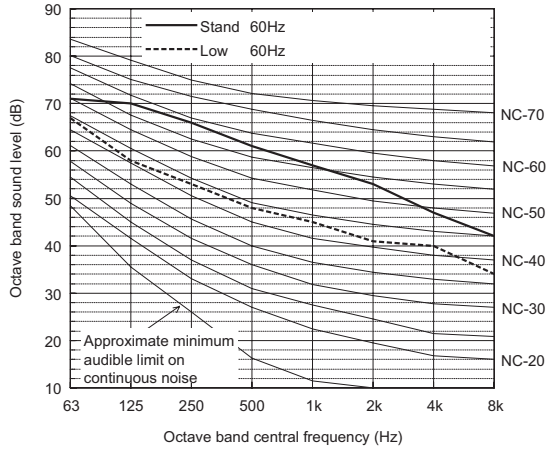
Measurement condition
PUHY-P264TSKMU/YSKMU



Measurement condition
PUHY-P288TSKMU/YSKMU



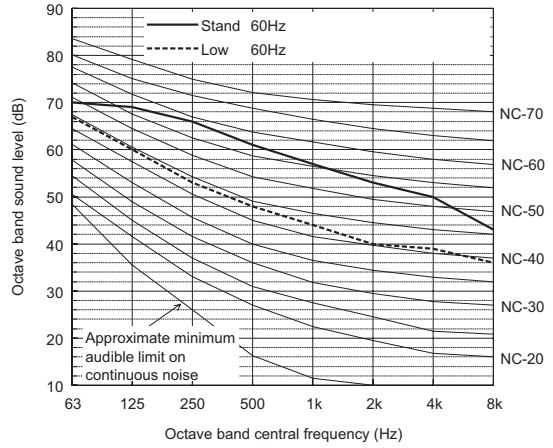
Sound level of PUHY-P264T/YSKMU



		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.

Sound level of PUHY-P288T/YSKMU



		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.

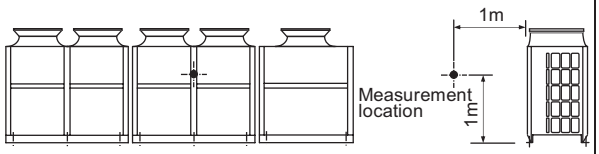
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6. SOUND PRESSURE LEVELS

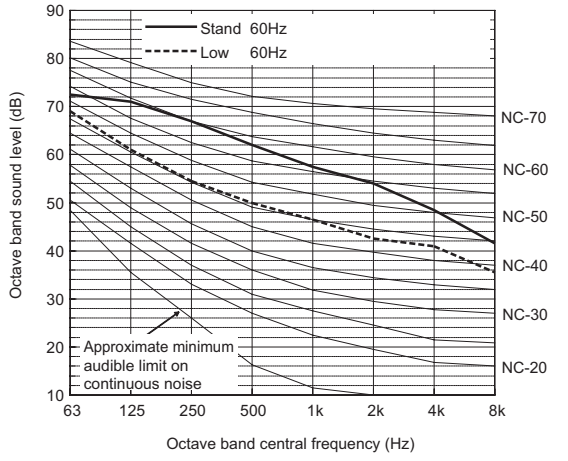
Measurement condition
PUHY-P312TSKMU/YSKMU



Measurement condition
PUHY-P336TSKMU/YSKMU



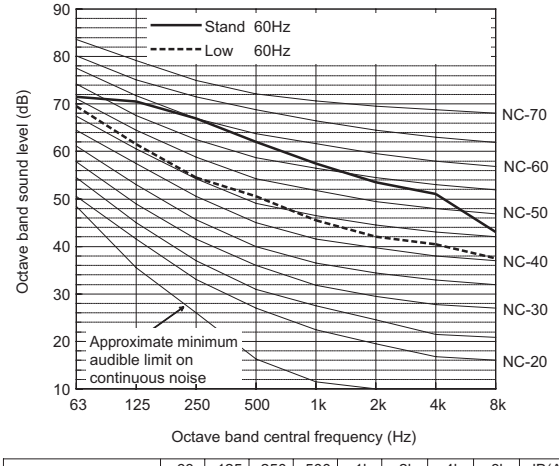
Sound level of PUHY-P312T/YSKMU



		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.

Sound level of PUHY-P336T/YSKMU



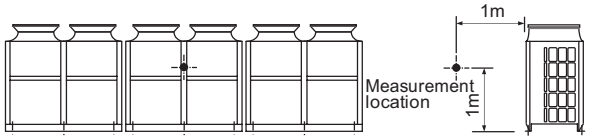
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.5	70.5	67.0	62.0	57.5	53.5	51.0	43.0	64.5
Low noise mode	60Hz	69.5	61.5	54.5	50.5	45.5	42.0	40.5	37.5	53.5

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.

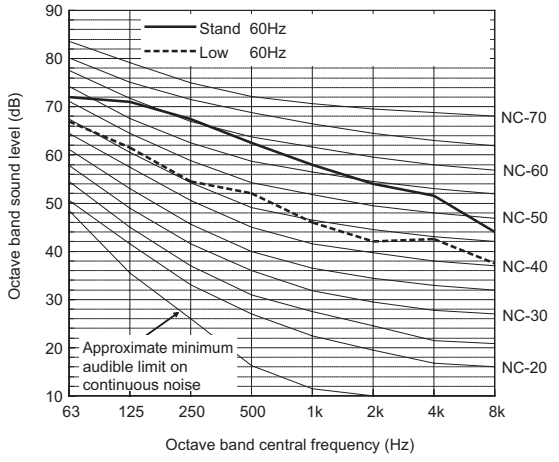
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6. SOUND PRESSURE LEVELS

Measurement condition
PUHY-P360TSKMU/YSKMU



Sound level of PUHY-P360T/YSKMU



		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

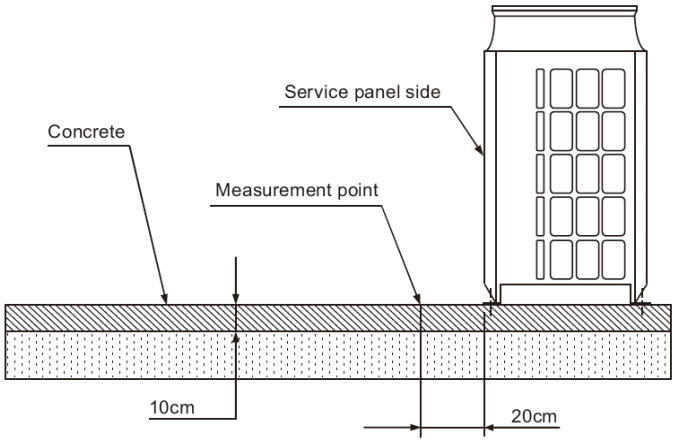
When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

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

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

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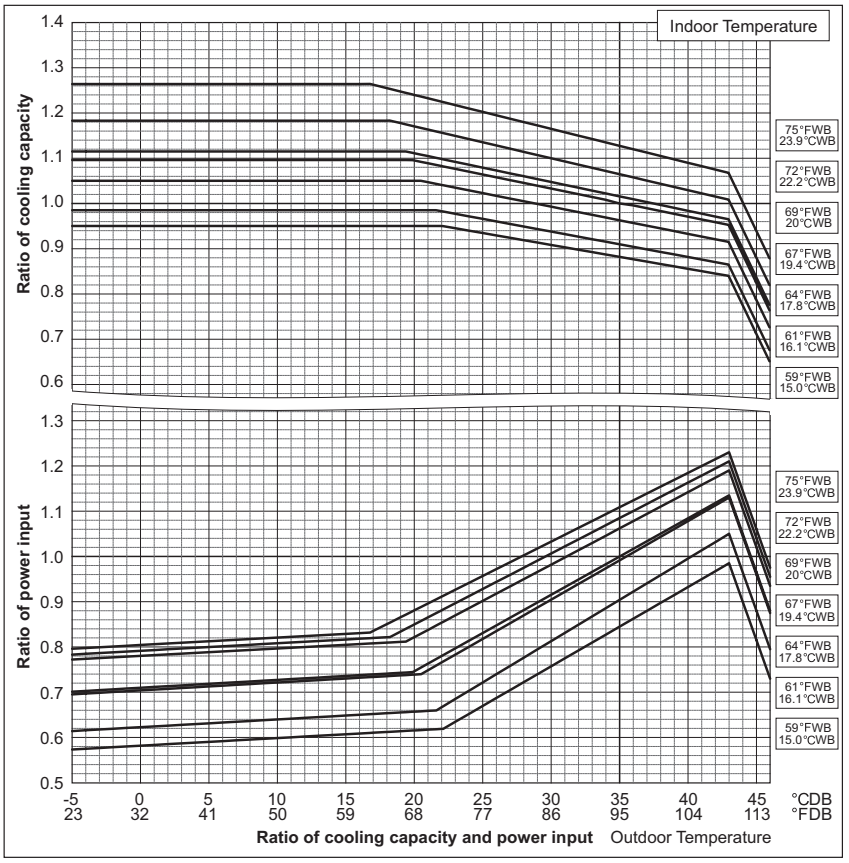
8. CAPACITY TABLES

8-1. Correction by Temperature (Standard Performance)

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.

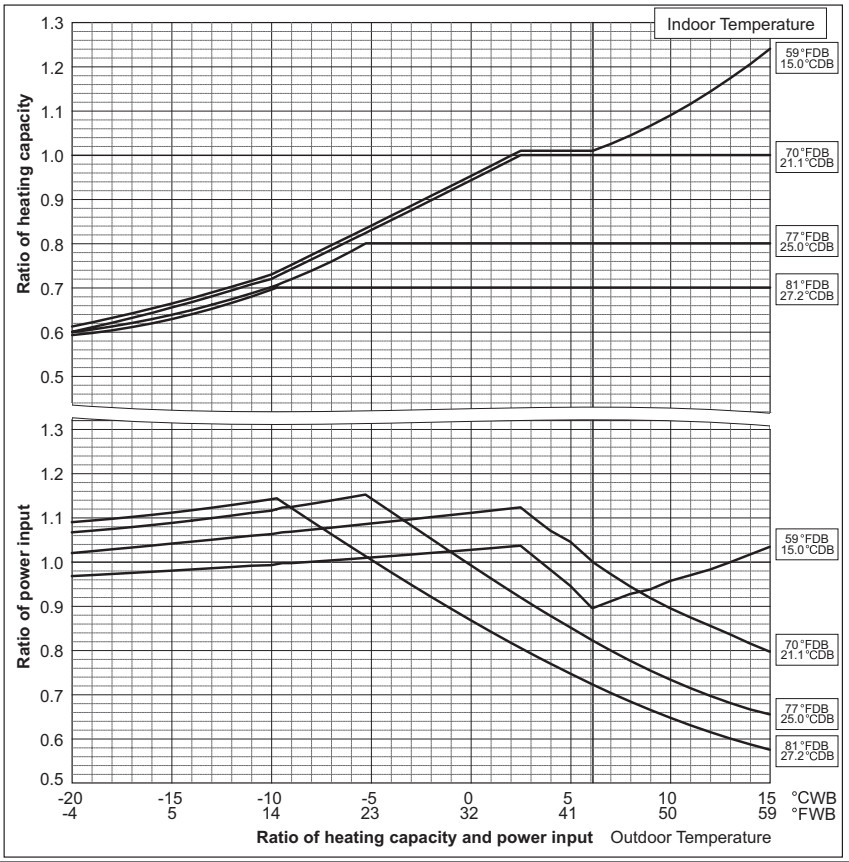
PUHY-			P72TKMU/YKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	72,000	
		kW	21.1	
	Input	kW	5.06	
Rated cooling capacity		BTU/h	69,000	
		kW	20.2	
	Input	kW	4.58	4.79

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



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

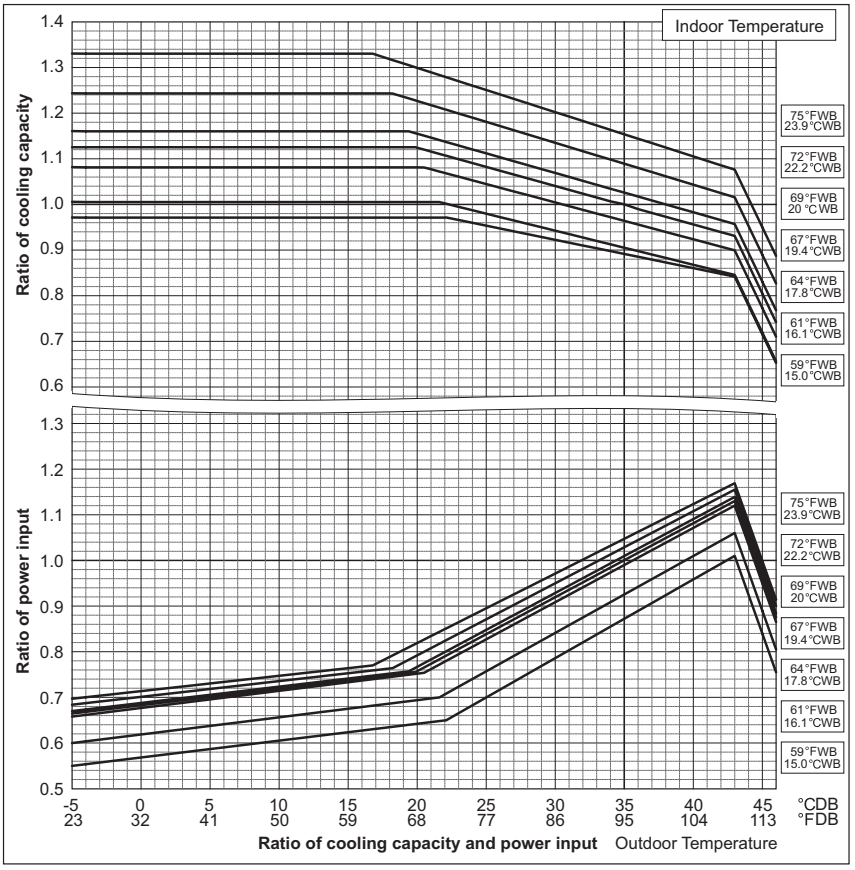
PUHY-			P96TKMU/YKMU	
			Non-Ducted	Ducted
Nominal heating capacity		BTU/h	108,000	
		kW	31.7	
	Input	kW	7.47	
Rated heating capacity		BTU/h	103,000	
		kW	30.2	
	Input	kW	6.79	7.04



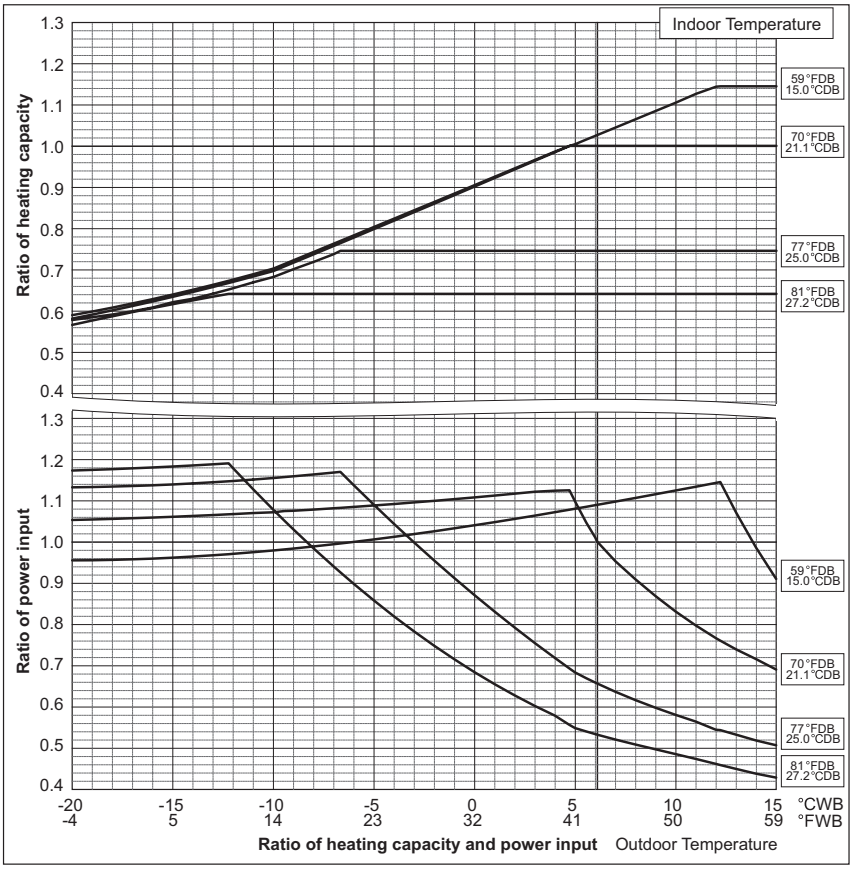
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8. CAPACITY TABLES

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



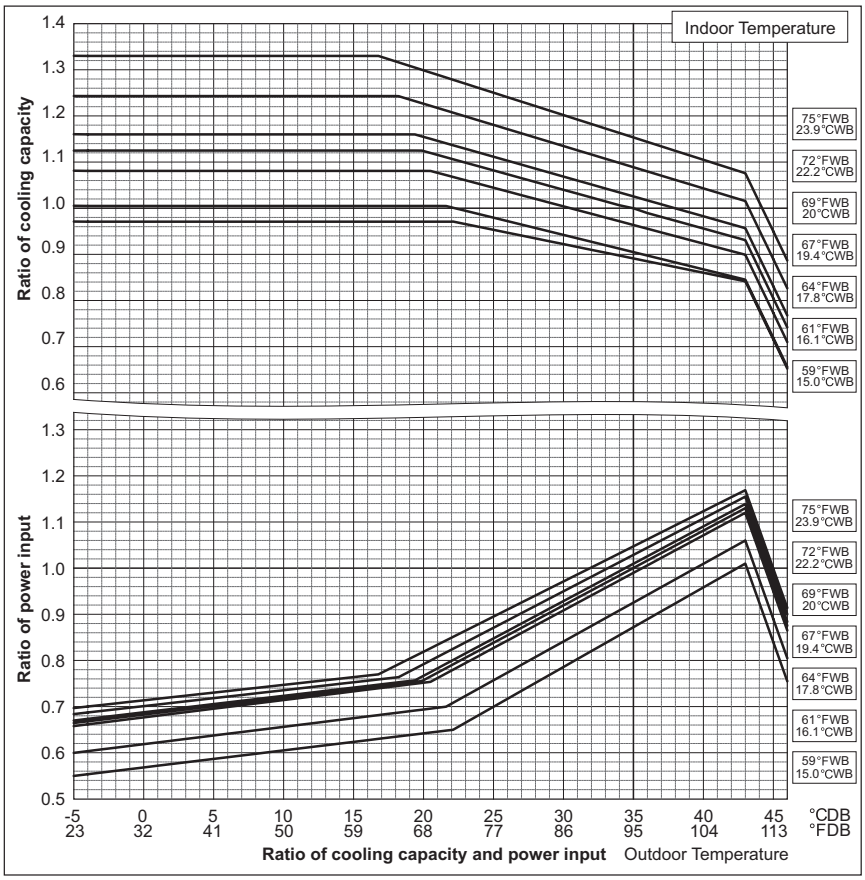
PUHY-			P120TKMU/YKMU	
			Non-Ducted	Ducted
Nominal heating capacity		BTU/h	135,000	
		kW	39.6	
	Input	kW	10.28	
Rated heating capacity		BTU/h	129,000	
		kW	37.8	
	Input	kW	9.46	9.57



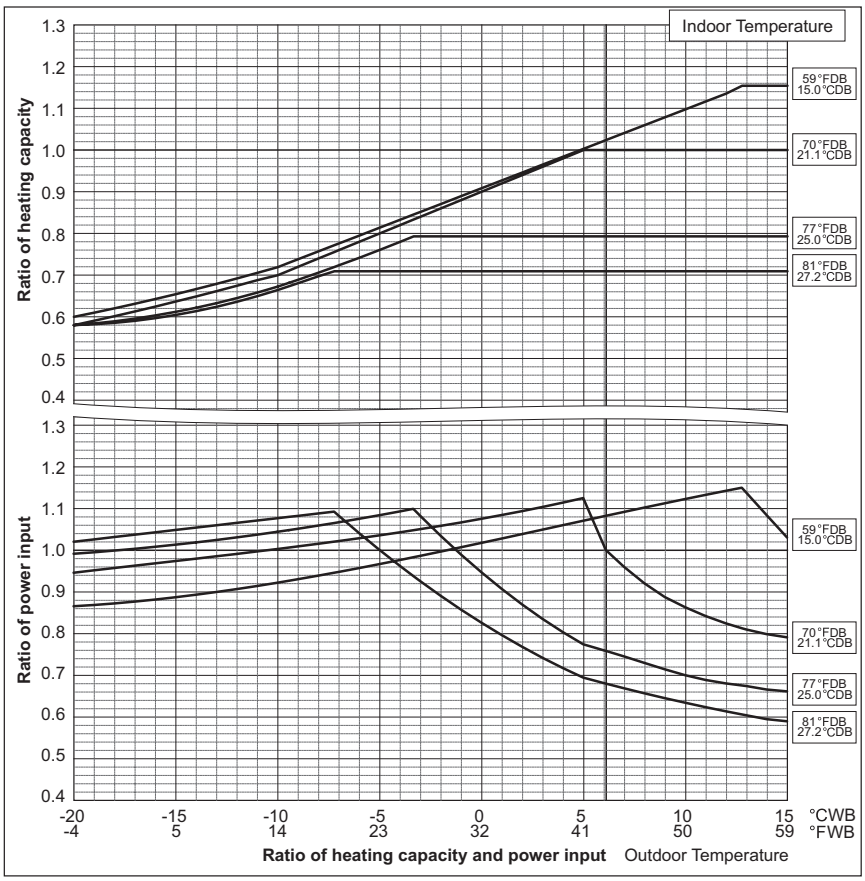
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8. CAPACITY TABLES

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



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



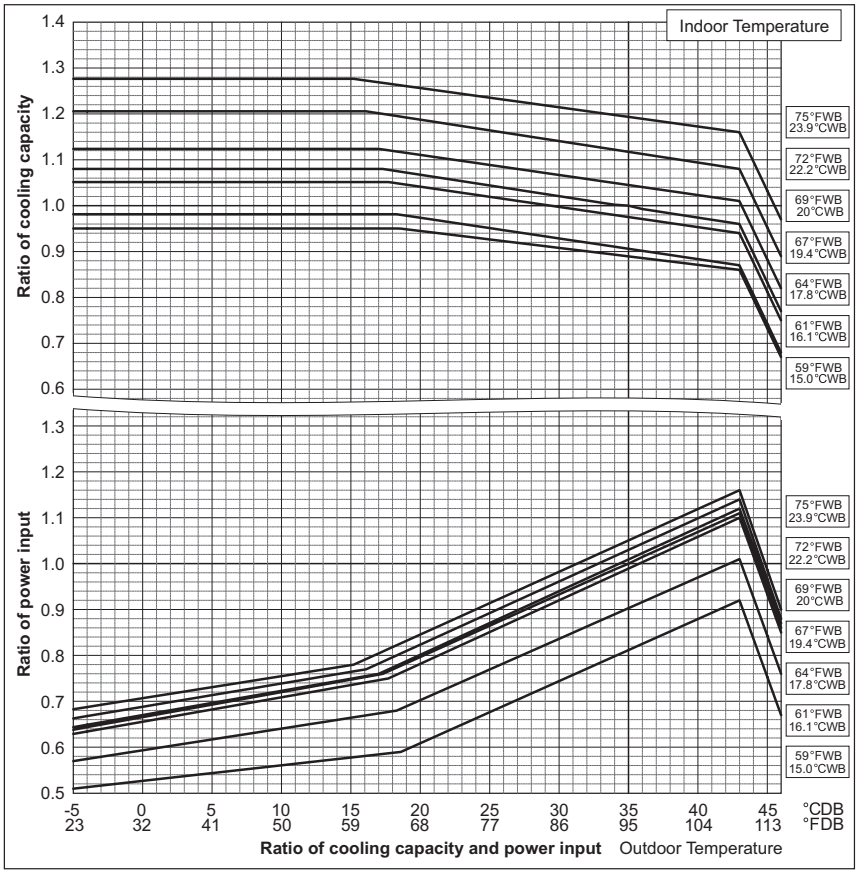
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8. CAPACITY TABLES

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

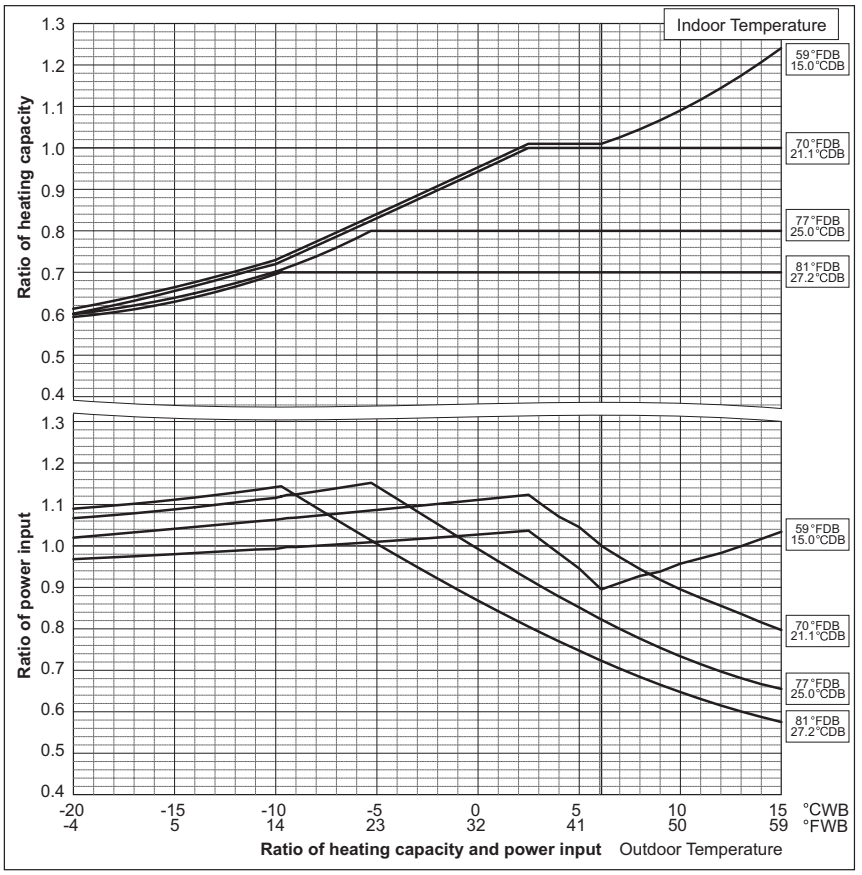
PUHY-			P192TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	192,000	
		kW	56.3	
	Input	kW	14.81	
Rated cooling capacity		BTU/h	183,000	
		kW	53.6	
	Input	kW	14.04	13.39



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

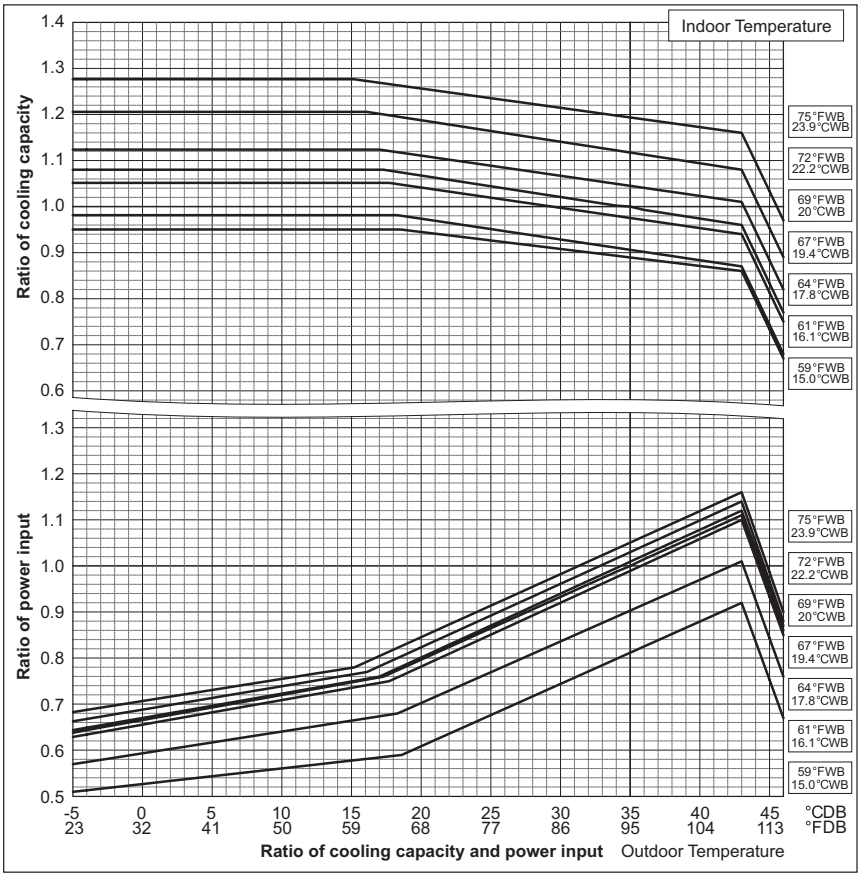


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8. CAPACITY TABLES

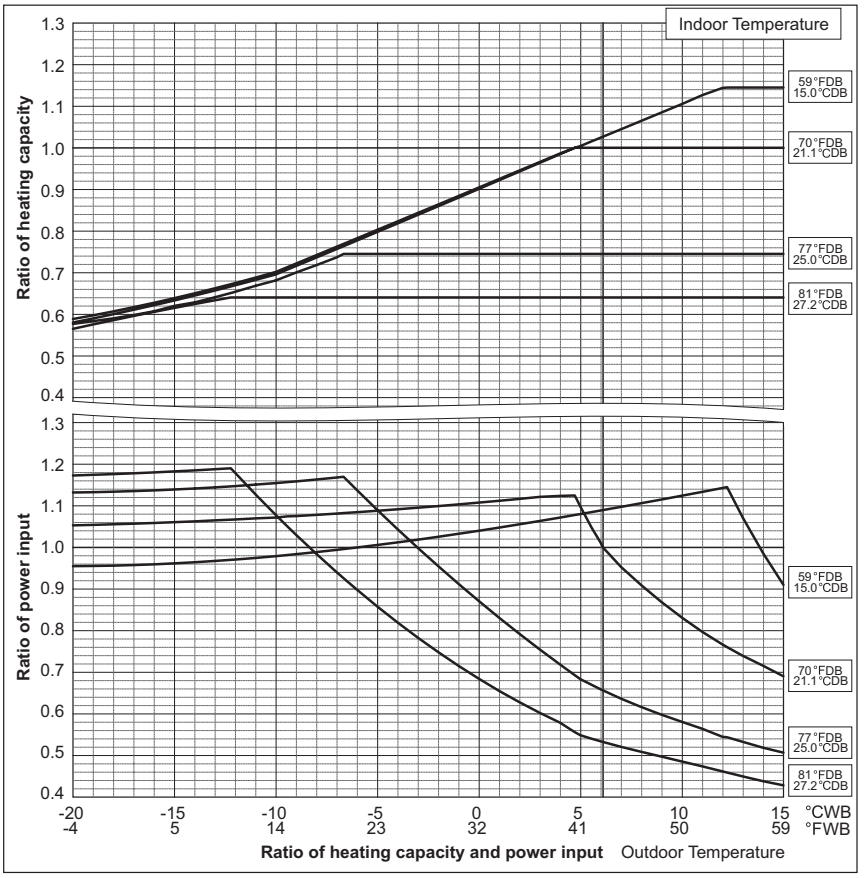
PUHY-			P216TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	216,000	
		kW	63.3	
	Input	kW	16.90	
Rated cooling capacity		BTU/h	206,000	
		kW	60.4	
	Input	kW	16.09	15.21

PUHY-			P240TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	240,000	
		kW	70.3	
	Input	kW	19.12	
Rated cooling capacity		BTU/h	228,000	
		kW	66.8	
	Input	kW	18.28	17.13



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



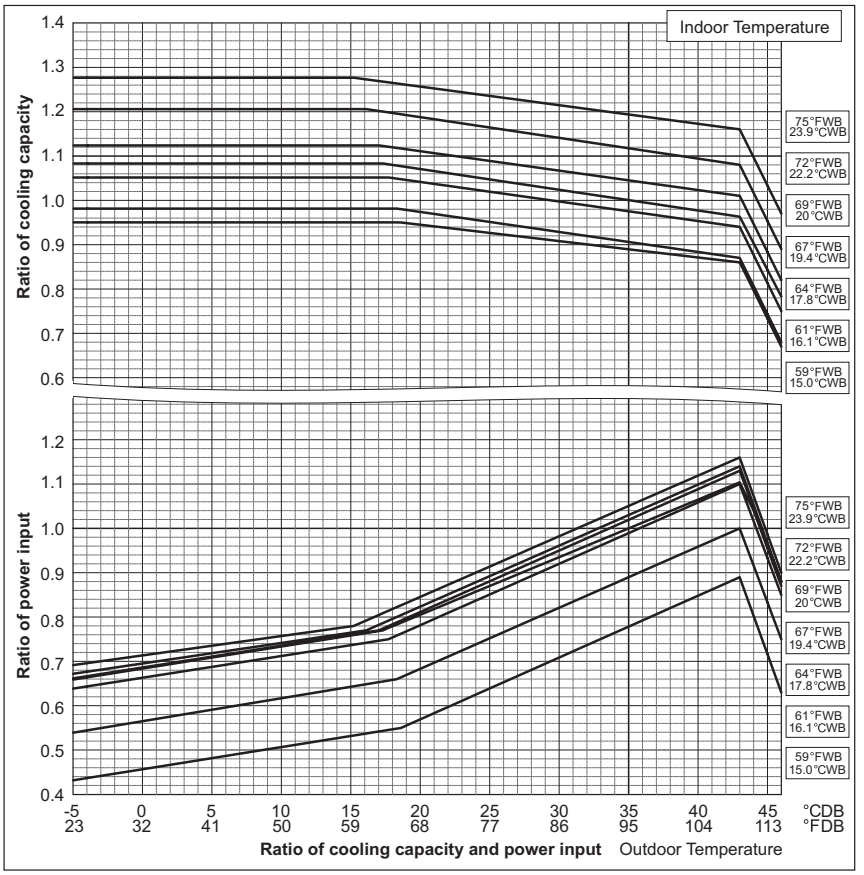
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8. CAPACITY TABLES

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

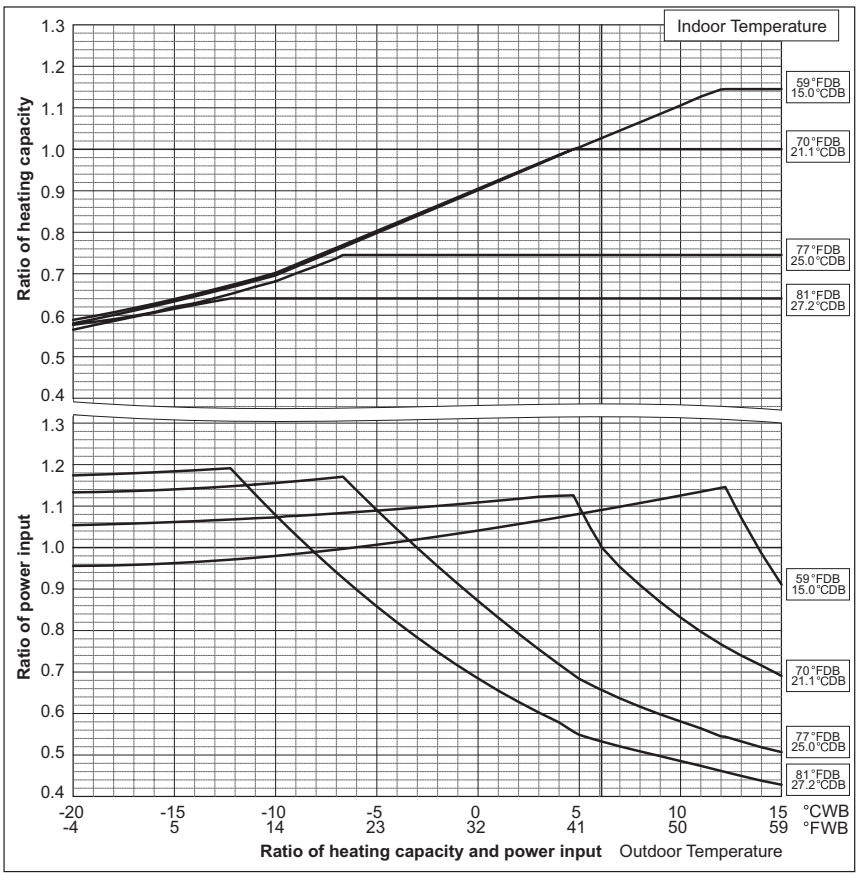
PUHY-			P360TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	360,000	
		kW	105.5	
	Input	kW	29.65	
Rated cooling capacity		BTU/h	342,000	
		kW	100.2	
	Input	kW	28.14	26.77



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



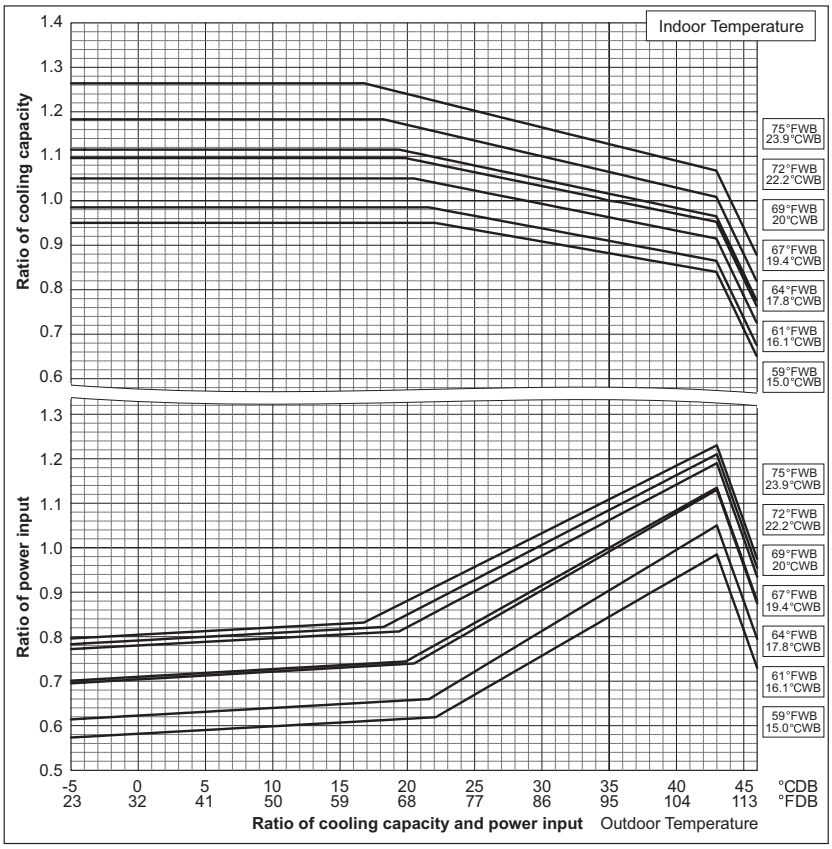
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8-2. Correction by Temperature (High Heating Performance)

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.

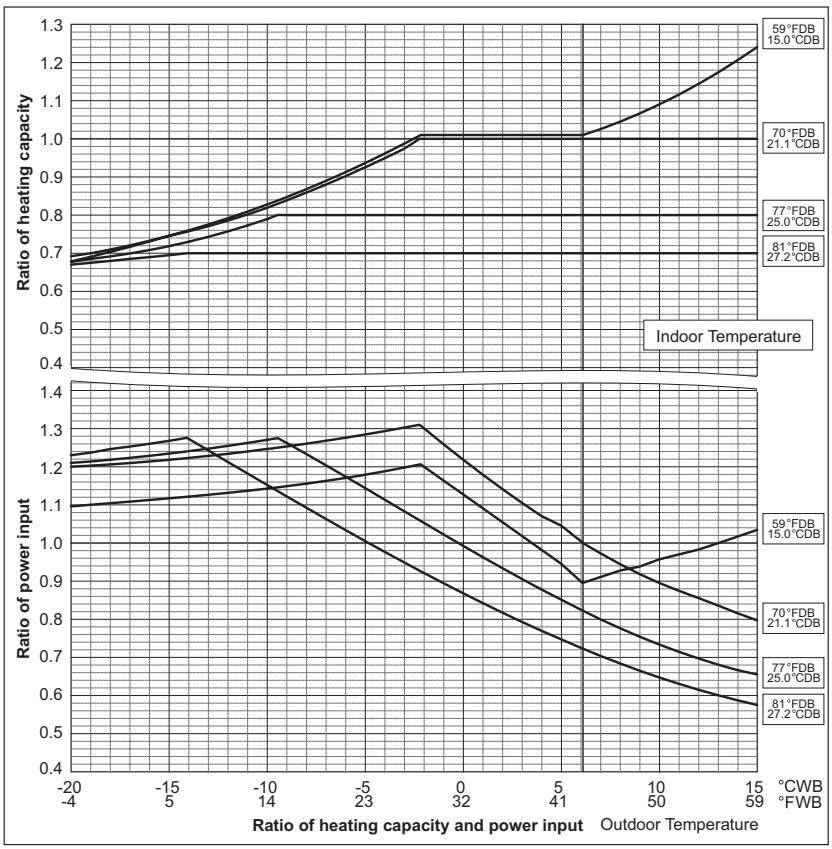
PUHY-			P72TKMU/YKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	72,000	
		kW	21.1	
	Input	kW	5.06	
Rated cooling capacity		BTU/h	69,000	
		kW	20.2	
	Input	kW	4.58	4.79

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



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

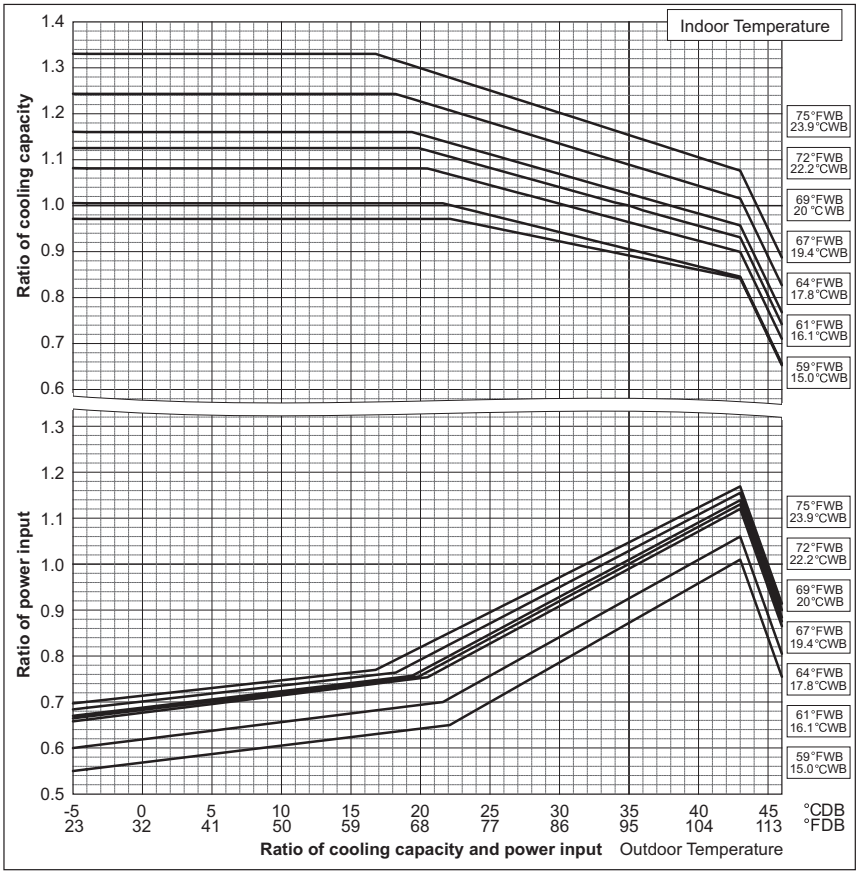
PUHY-			P96TKMU/YKMU	
			Non-Ducted	Ducted
Nominal heating capacity		BTU/h	108,000	
		kW	31.7	
	Input	kW	7.47	
Rated heating capacity		BTU/h	103,000	
		kW	30.2	
	Input	kW	6.79	7.04



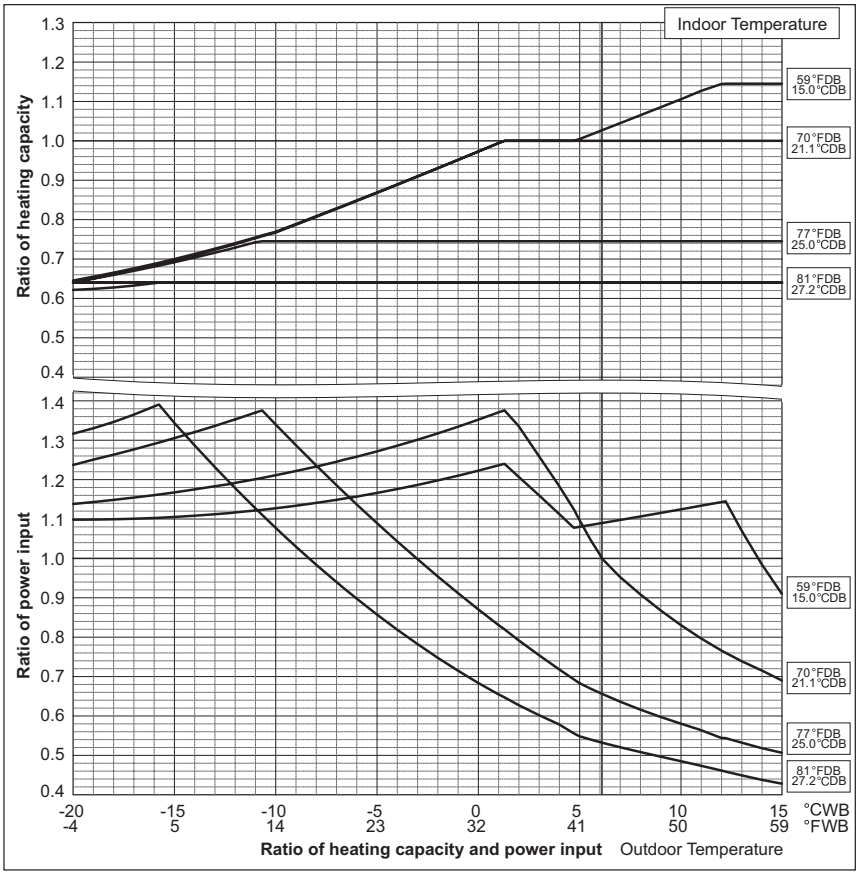
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8. CAPACITY TABLES

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



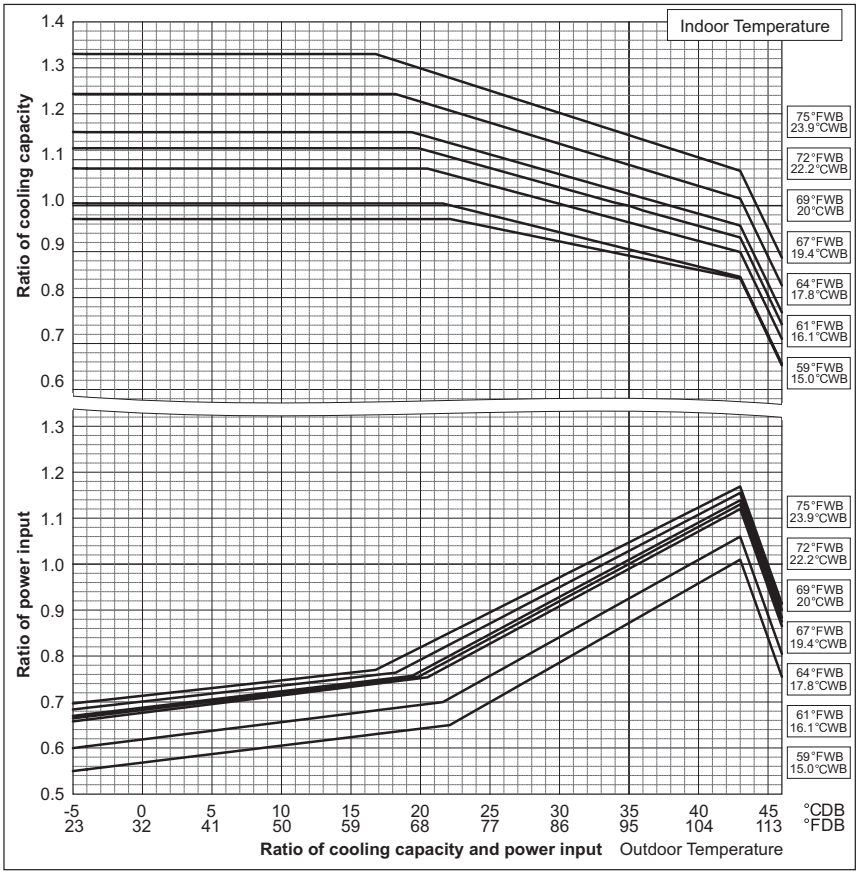
PUHY-			P120TKMU/YKMU	
			Non-Ducted	Ducted
Nominal heating capacity		BTU/h	135,000	
		kW	39.6	
	Input	kW	10.28	
Rated heating capacity		BTU/h	129,000	
		kW	37.8	
	Input	kW	9.46	9.57



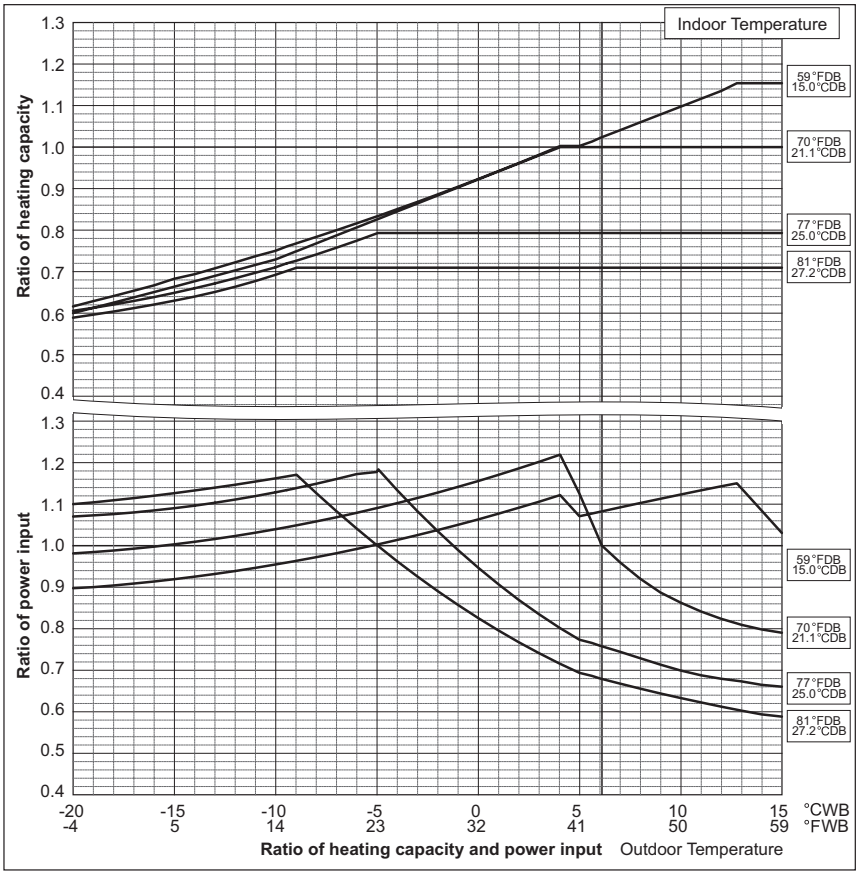
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8. CAPACITY TABLES

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



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



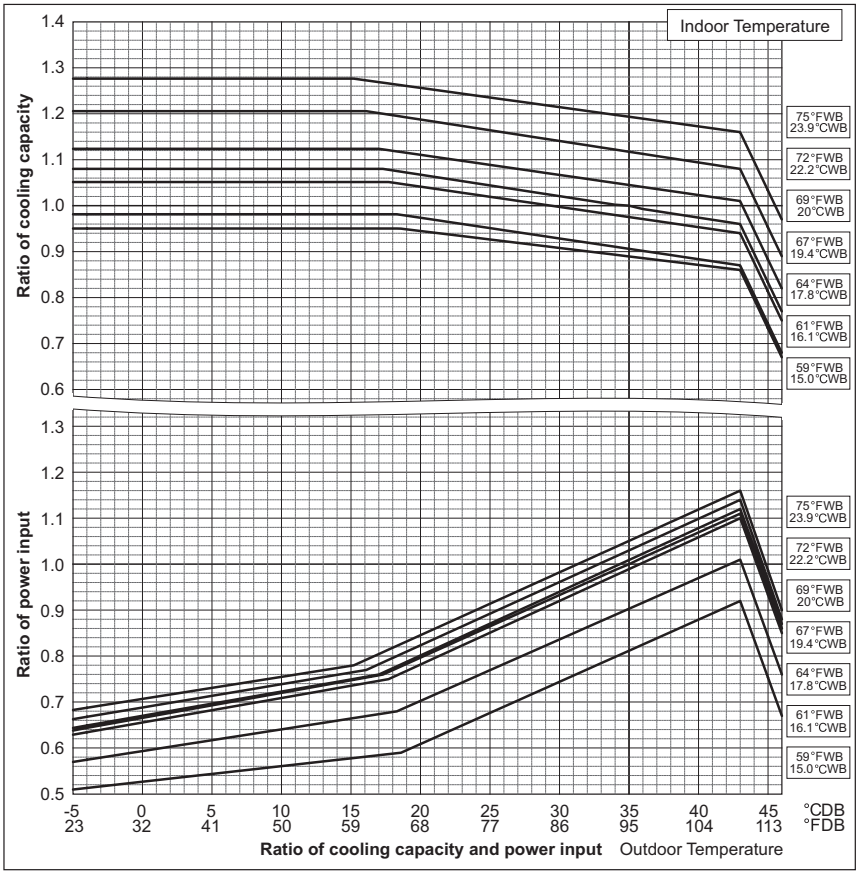
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8. CAPACITY TABLES

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

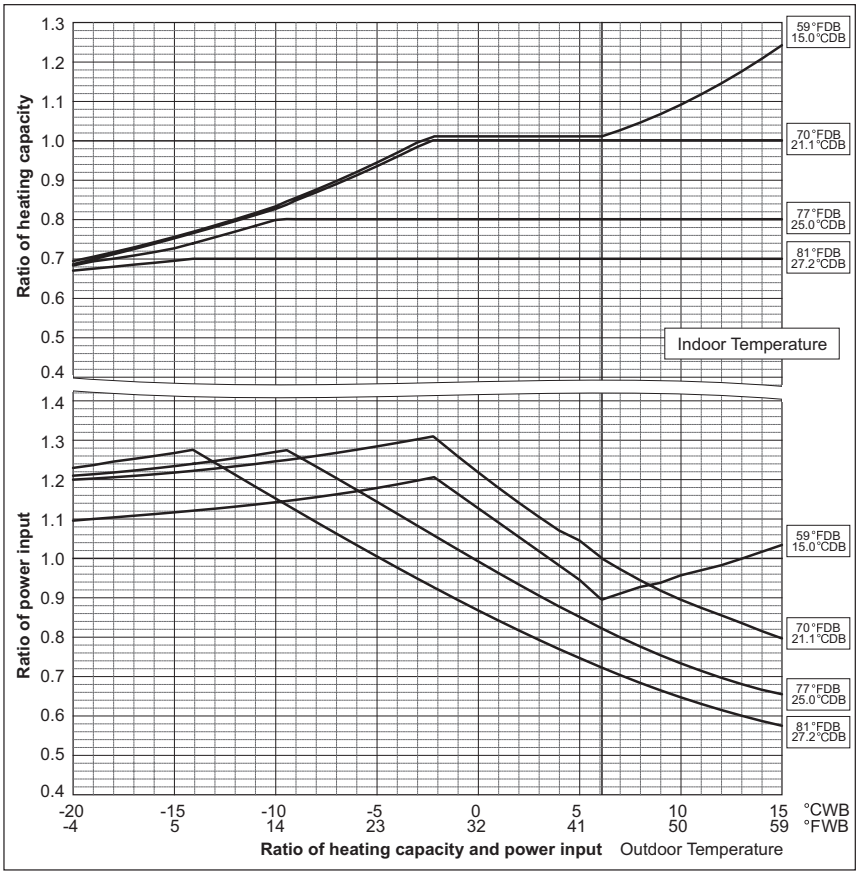
PUHY-			P192TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	192,000	
		kW	56.3	
	Input	kW	14.81	
Rated cooling capacity		BTU/h	183,000	
		kW	53.6	
	Input	kW	14.04	13.39



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

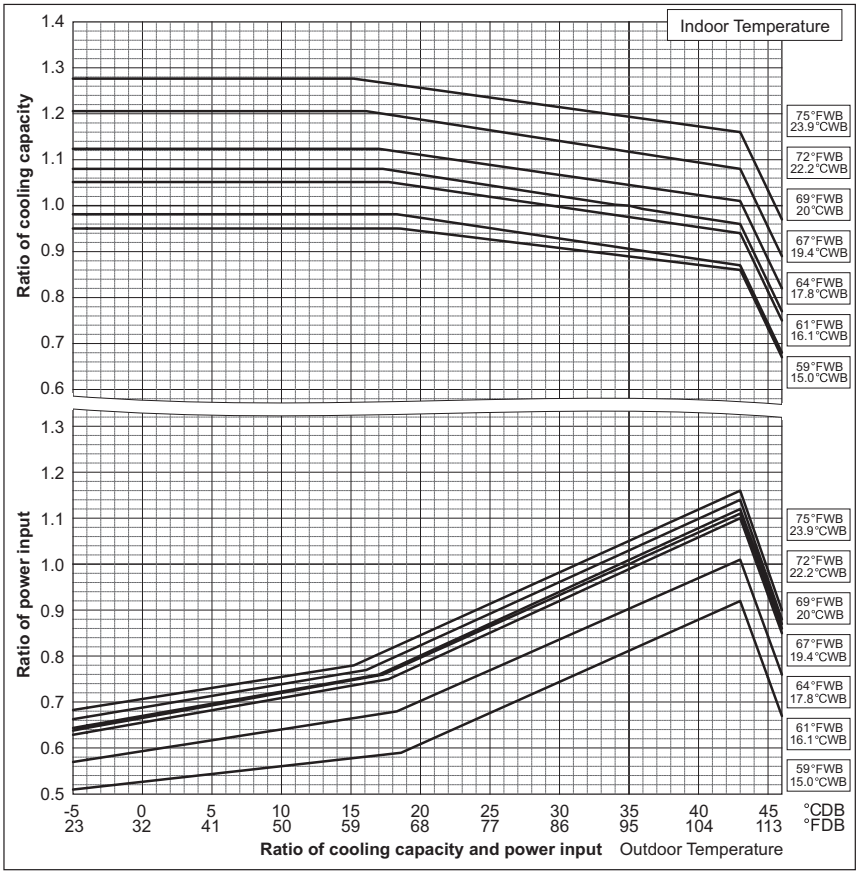


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8. CAPACITY TABLES

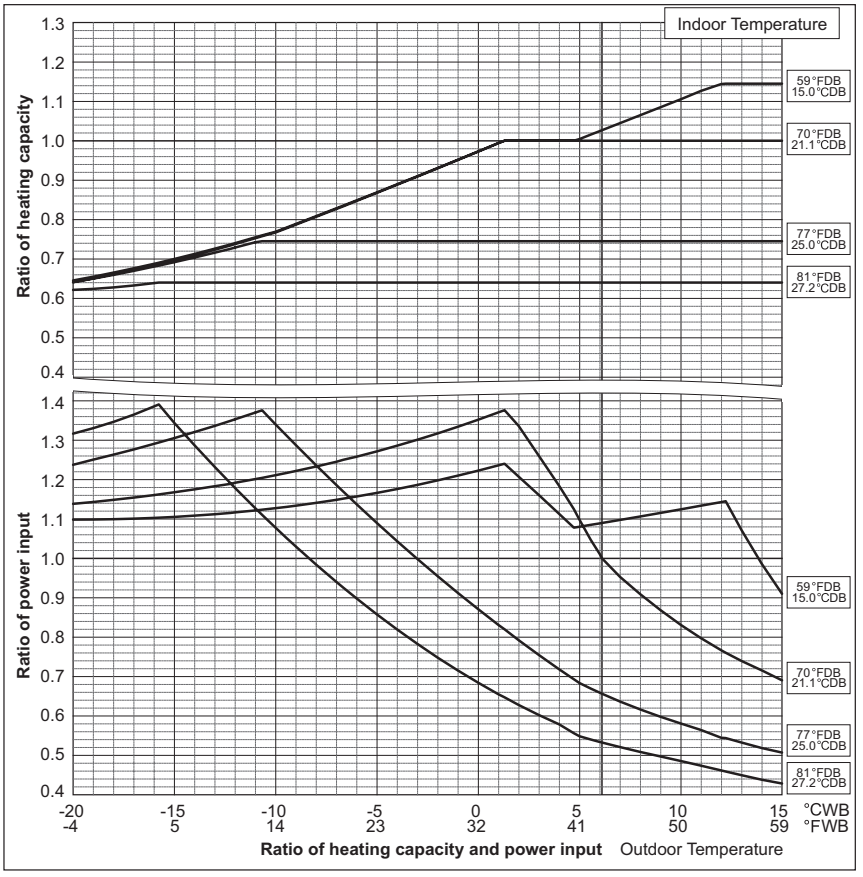
PUHY-			P216TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	216,000	
		kW	63.3	
	Input	kW	16.90	
Rated cooling capacity		BTU/h	206,000	
		kW	60.4	
	Input	kW	16.09	15.21

PUHY-			P240TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	240,000	
		kW	70.3	
	Input	kW	19.12	
Rated cooling capacity		BTU/h	228,000	
		kW	66.8	
	Input	kW	18.28	17.13



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

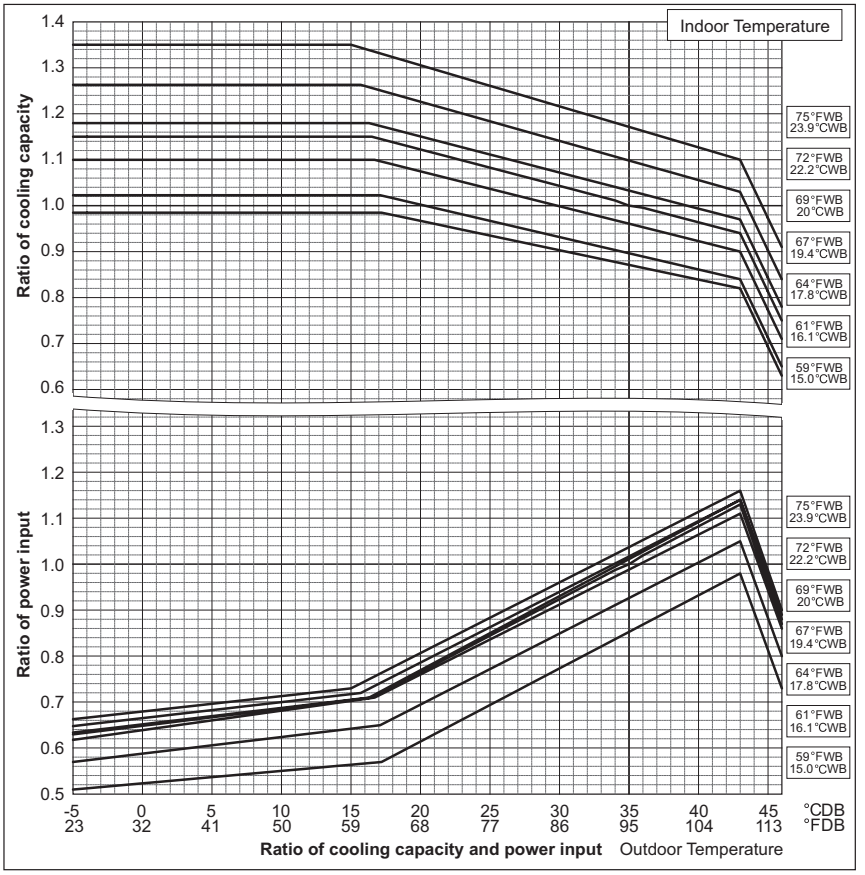


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8. CAPACITY TABLES

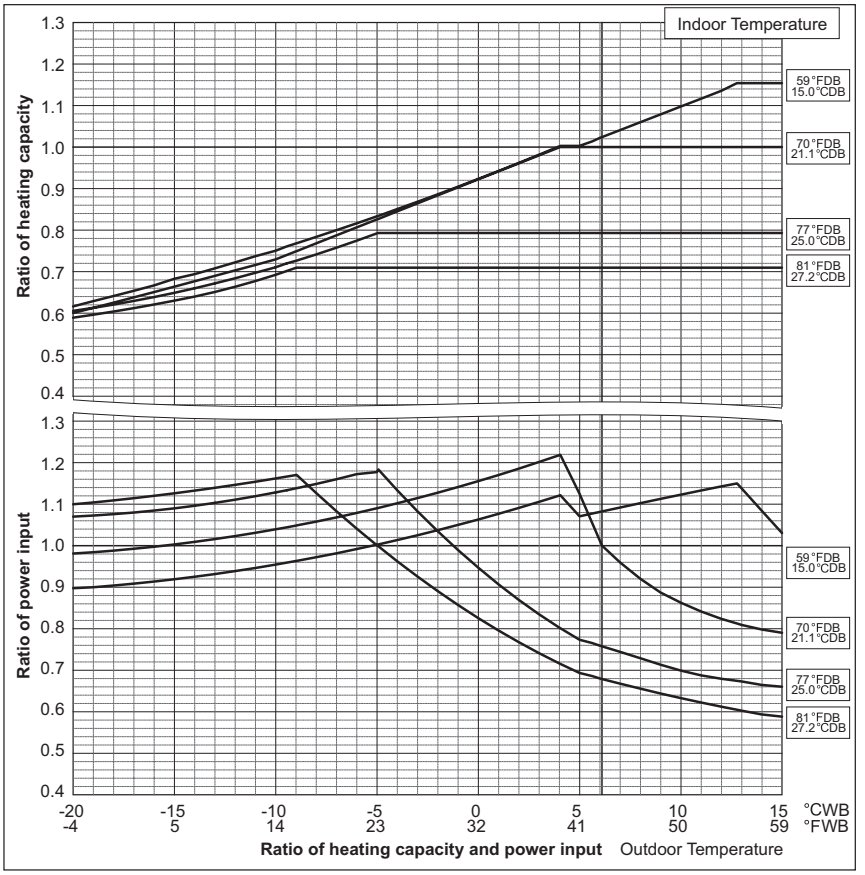
PUHY-			P264TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	264,000	
		kW	77.4	
	Input	kW	20.35	
Rated cooling capacity		BTU/h	252,000	
		kW	73.9	
	Input	kW	19.39	18.29

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



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



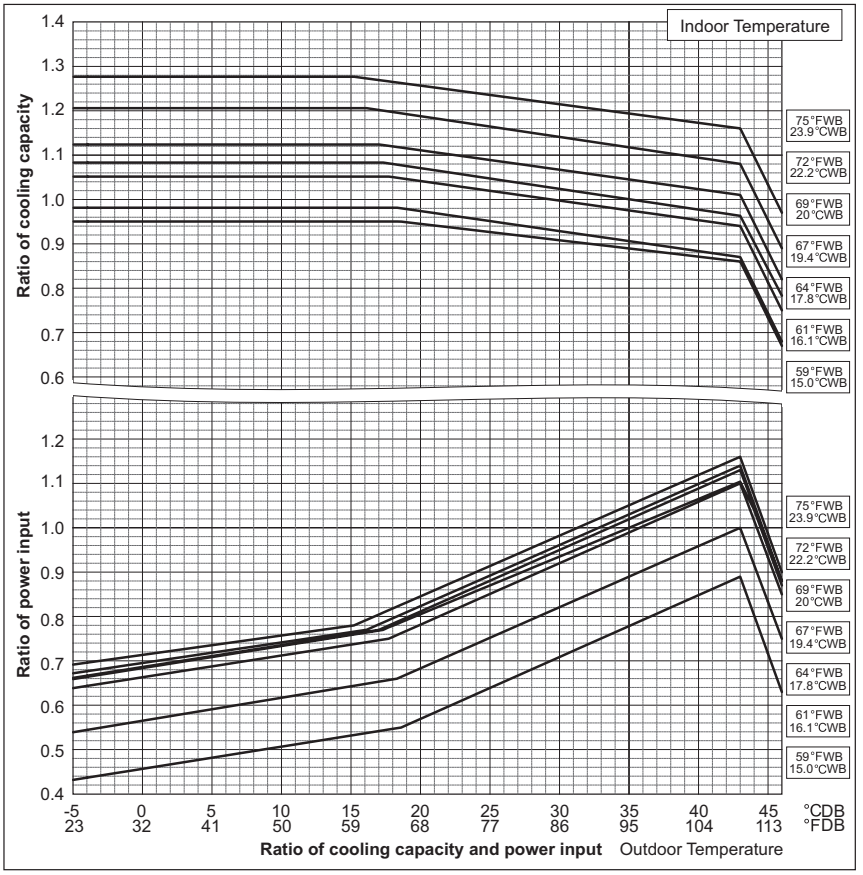
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8. CAPACITY TABLES

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

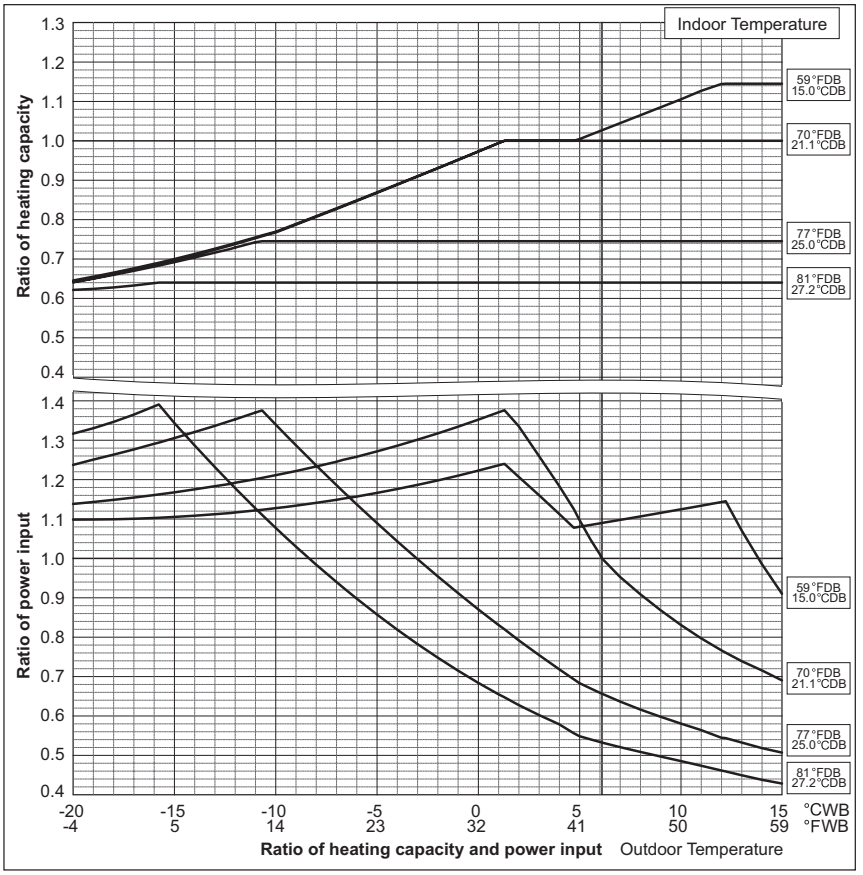
PUHY-			P360TSKMU/YSKMU	
			Non-Ducted	Ducted
Nominal cooling capacity		BTU/h	360,000	
		kW	105.5	
	Input	kW	29.65	
Rated cooling capacity		BTU/h	342,000	
		kW	100.2	
	Input	kW	28.14	26.77



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

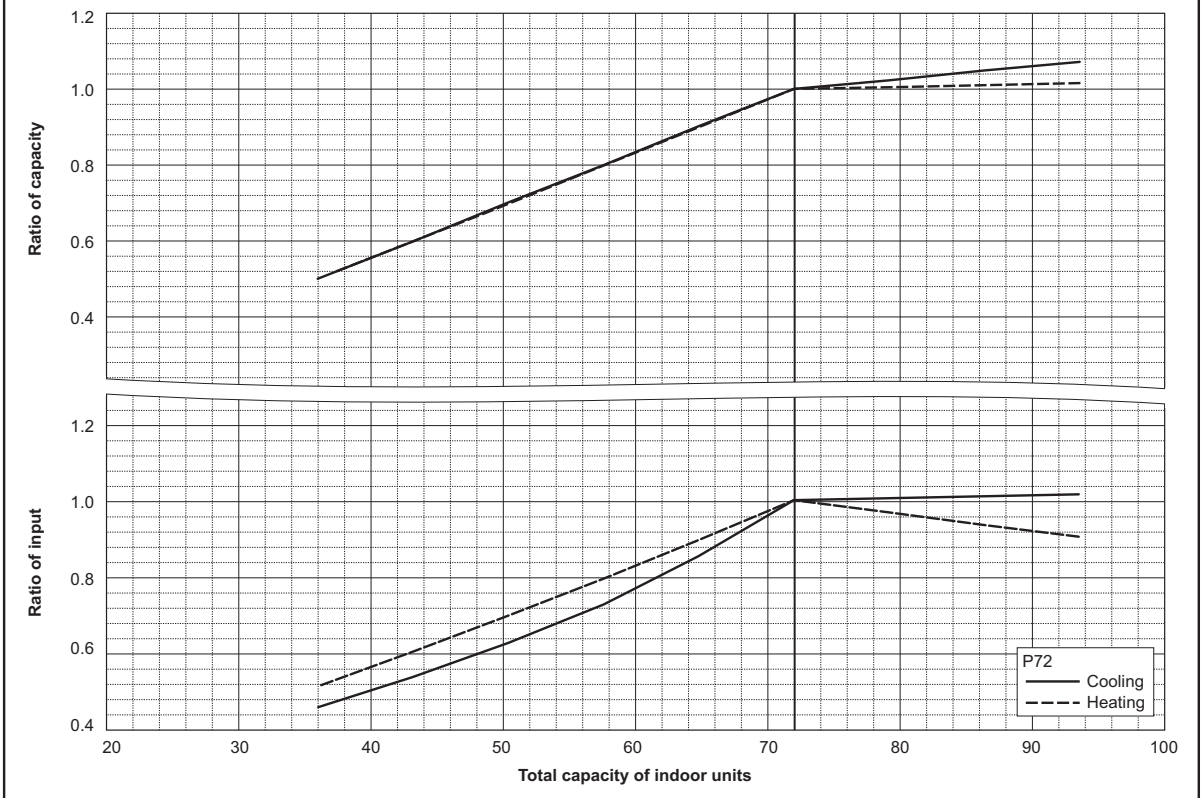


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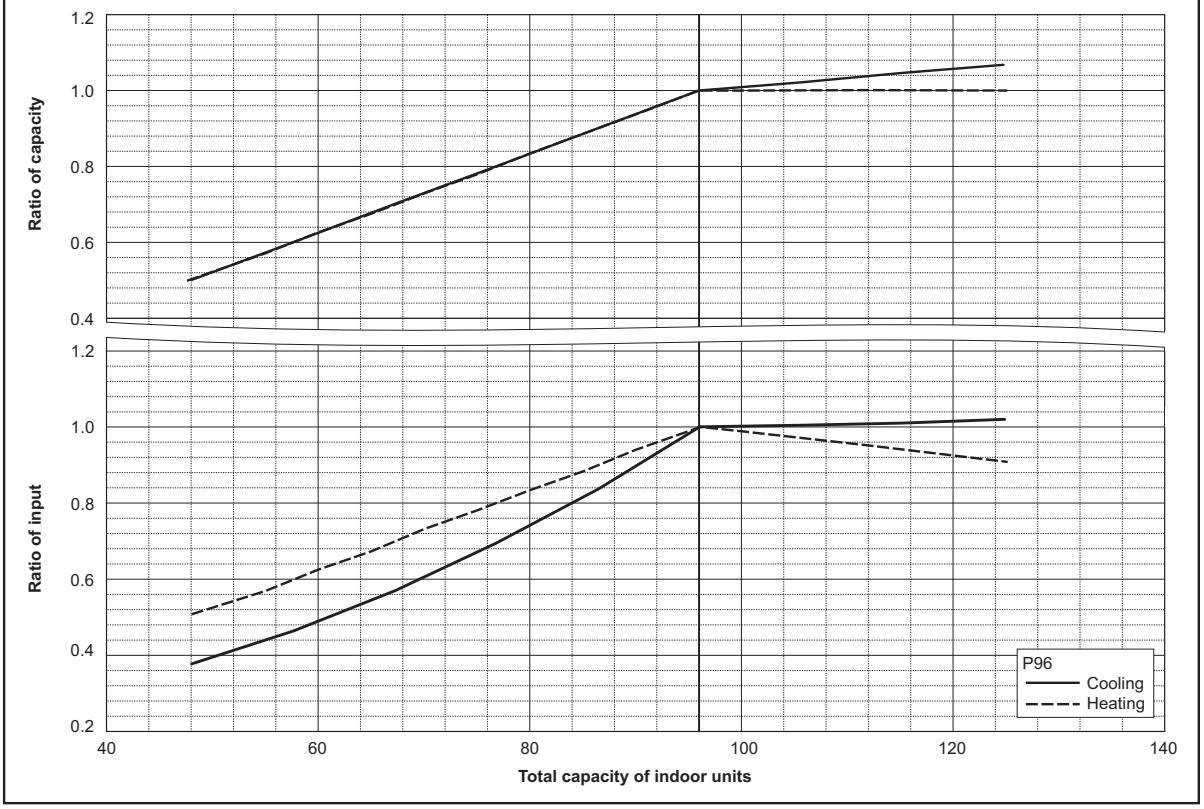
8-3. Correction by Total Indoor

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.

PUHY-P72TKMU/YKMU



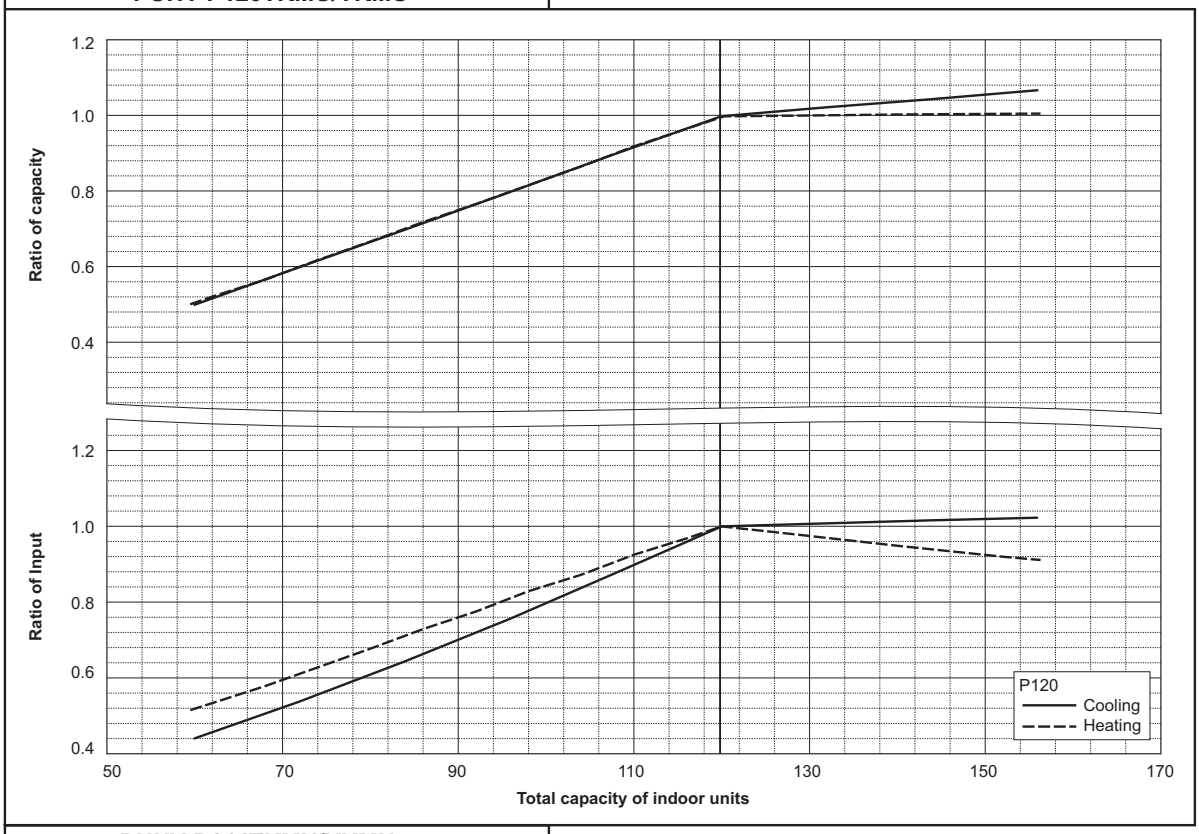
PUHY-P96TKMU/YKMU



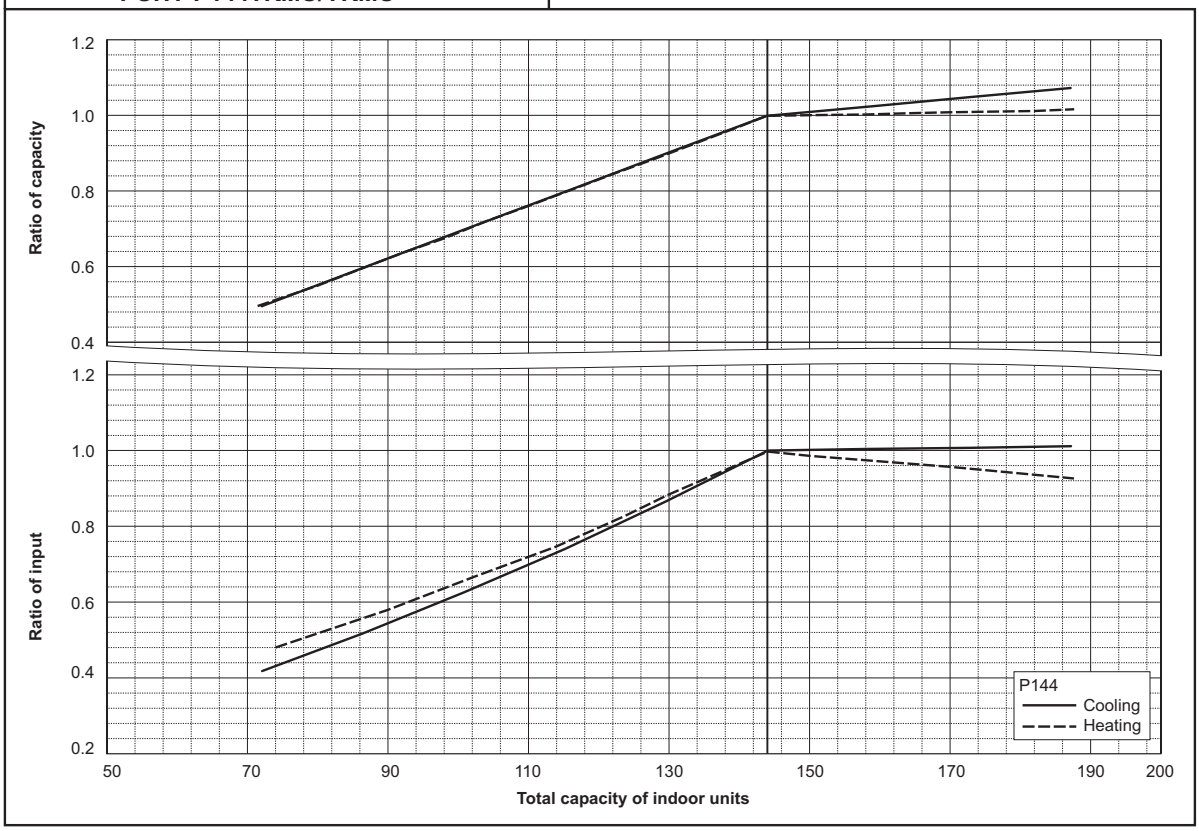
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8. CAPACITY TABLES

PUHY-P120TKMU/YKMU



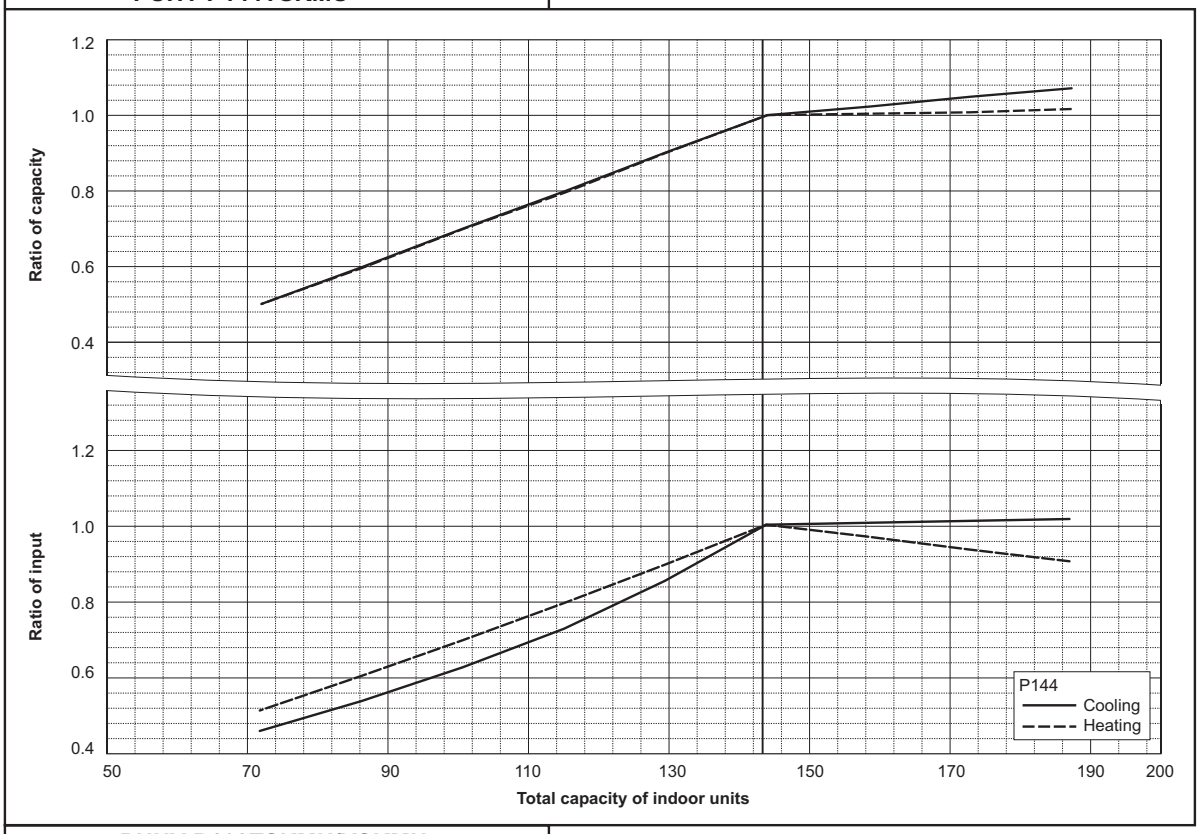
PUHY-P144TKMU/YKMU



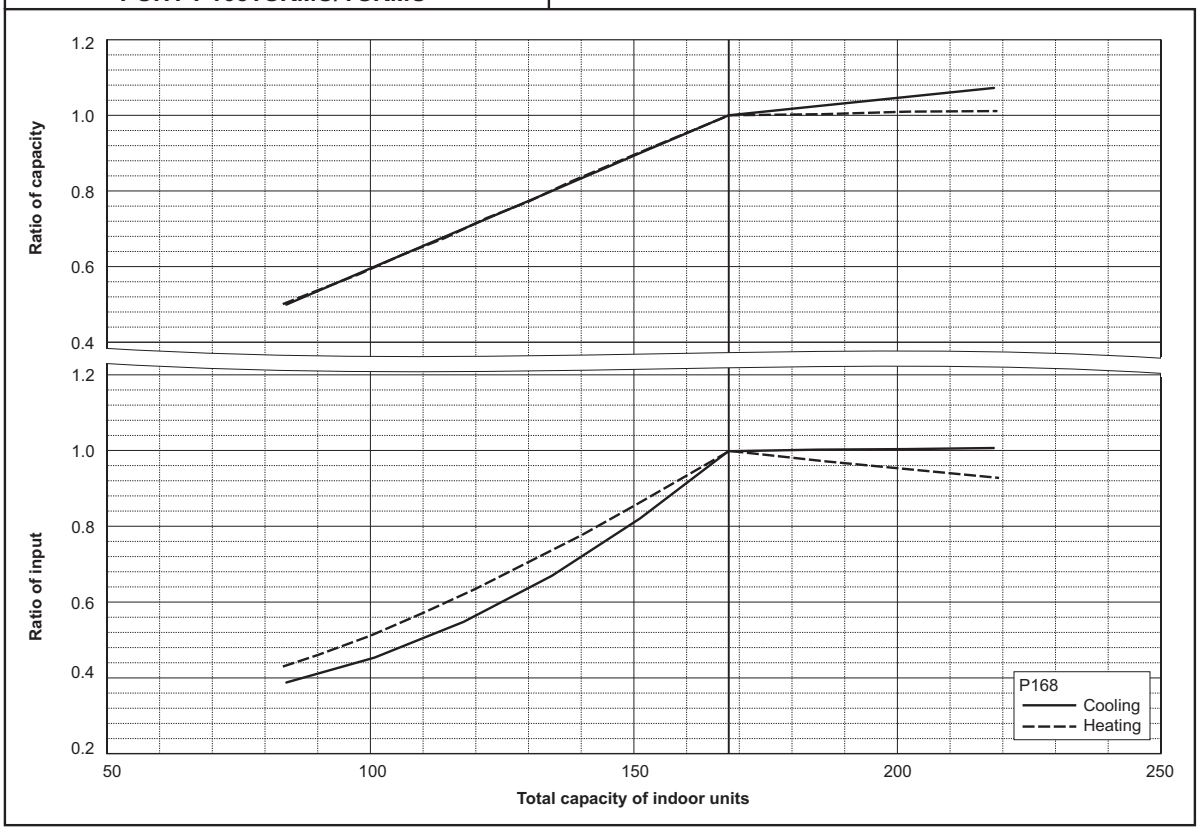
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8. CAPACITY TABLES

PUHY-P144YSKMU



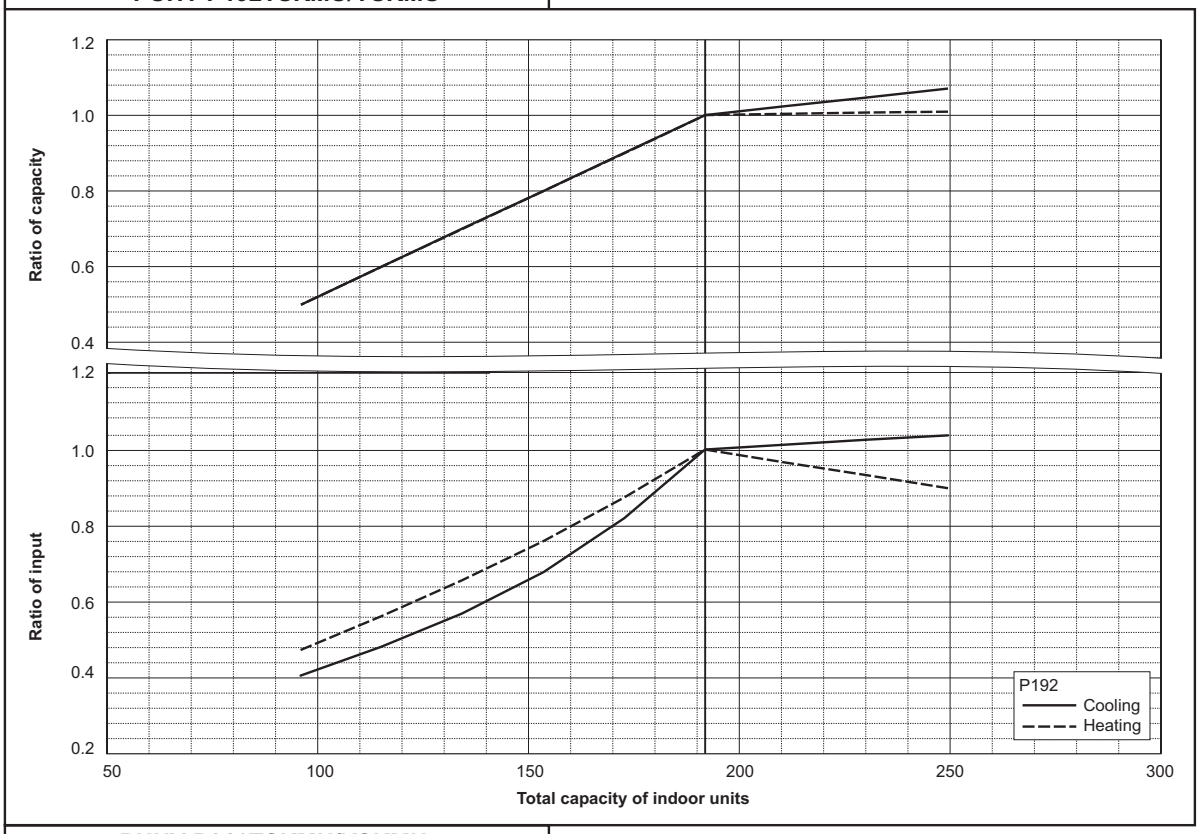
PUHY-P168TSKMU/YSKMU



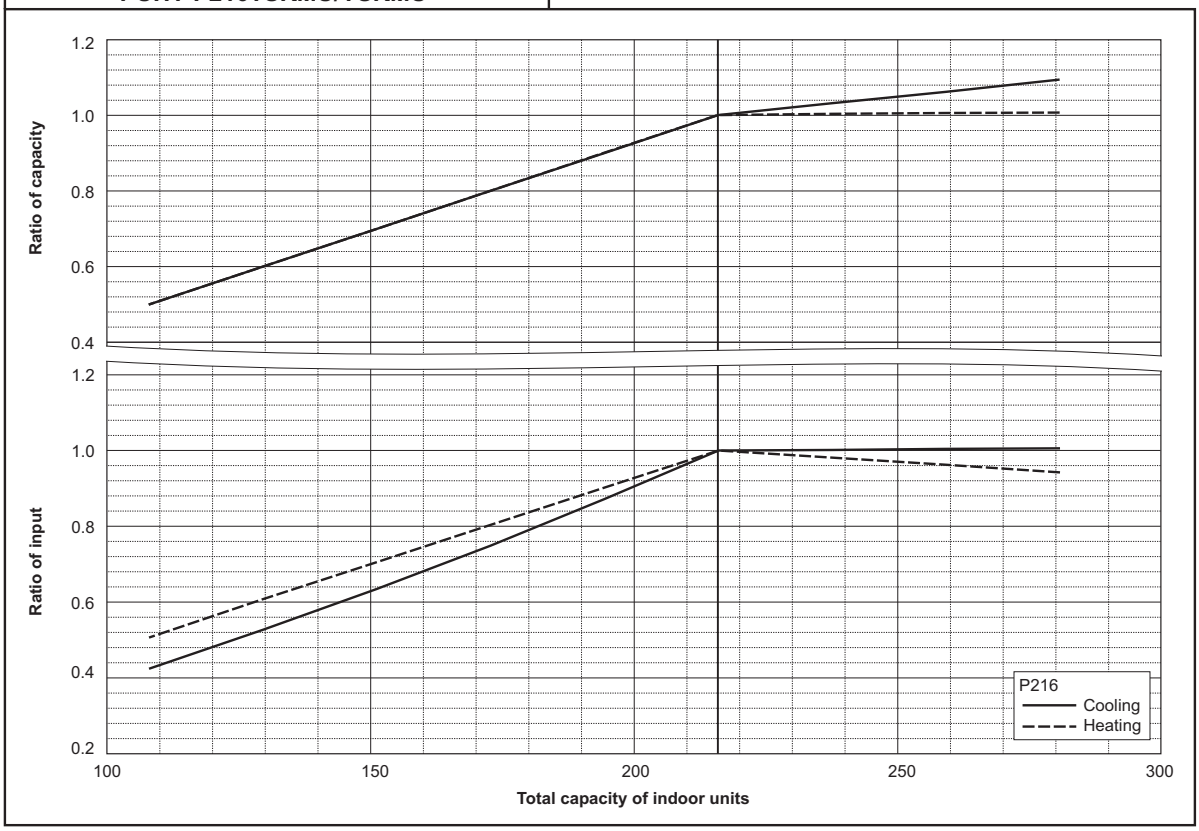
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8. CAPACITY TABLES

PUHY-P192TSKMU/YSKMU



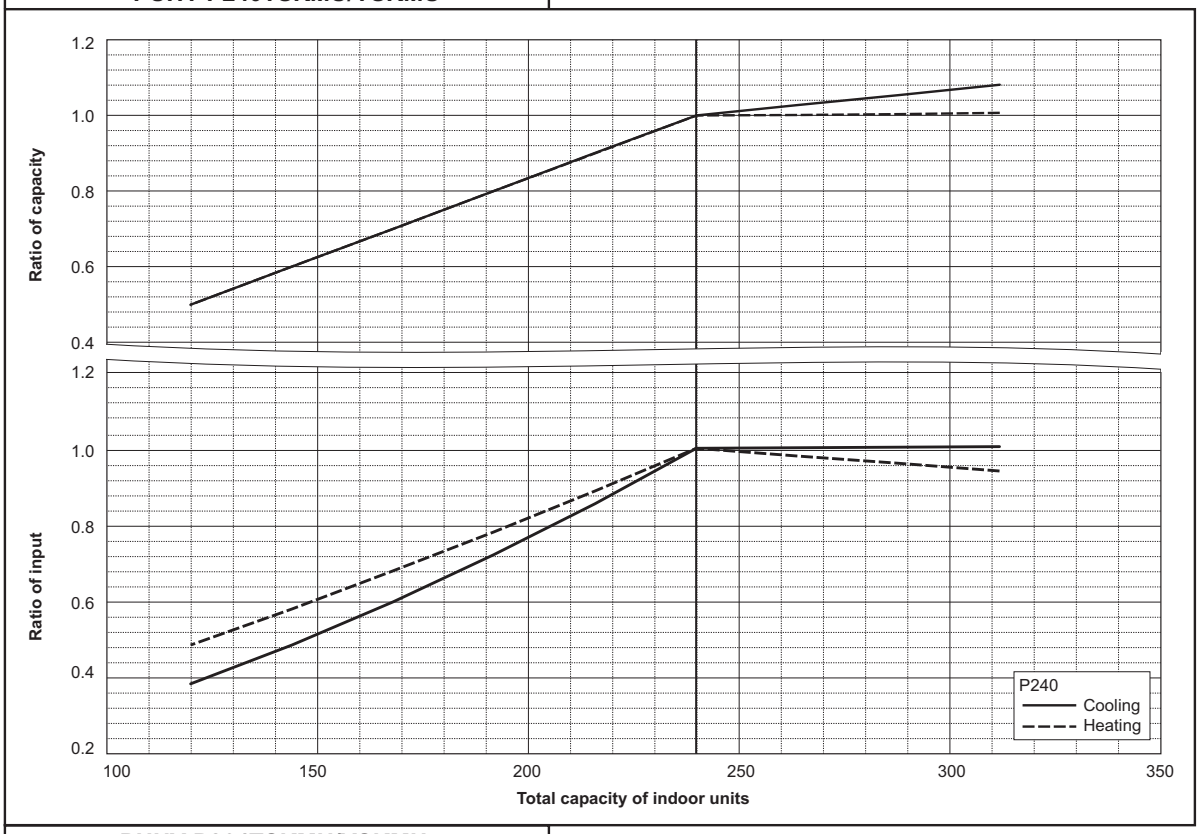
PUHY-P216TSKMU/YSKMU



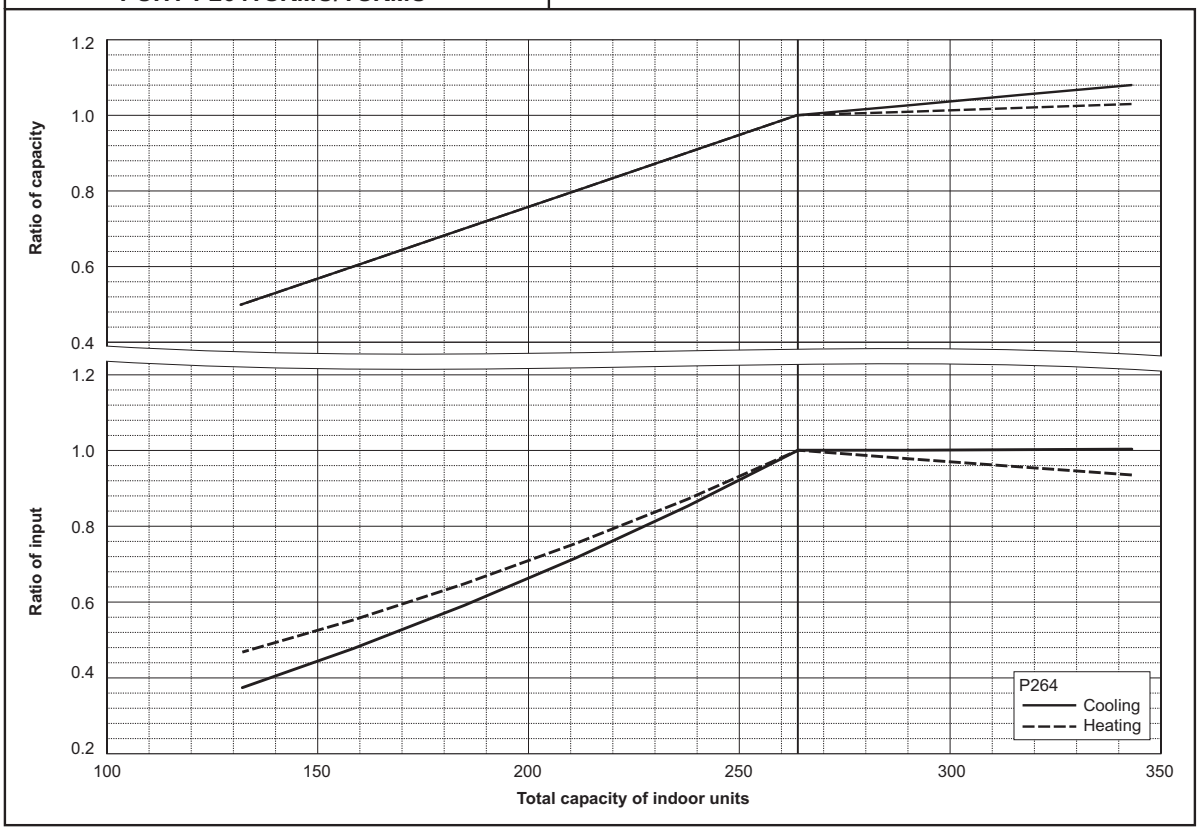
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8. CAPACITY TABLES

PUHY-P240TSKMU/YSKMU



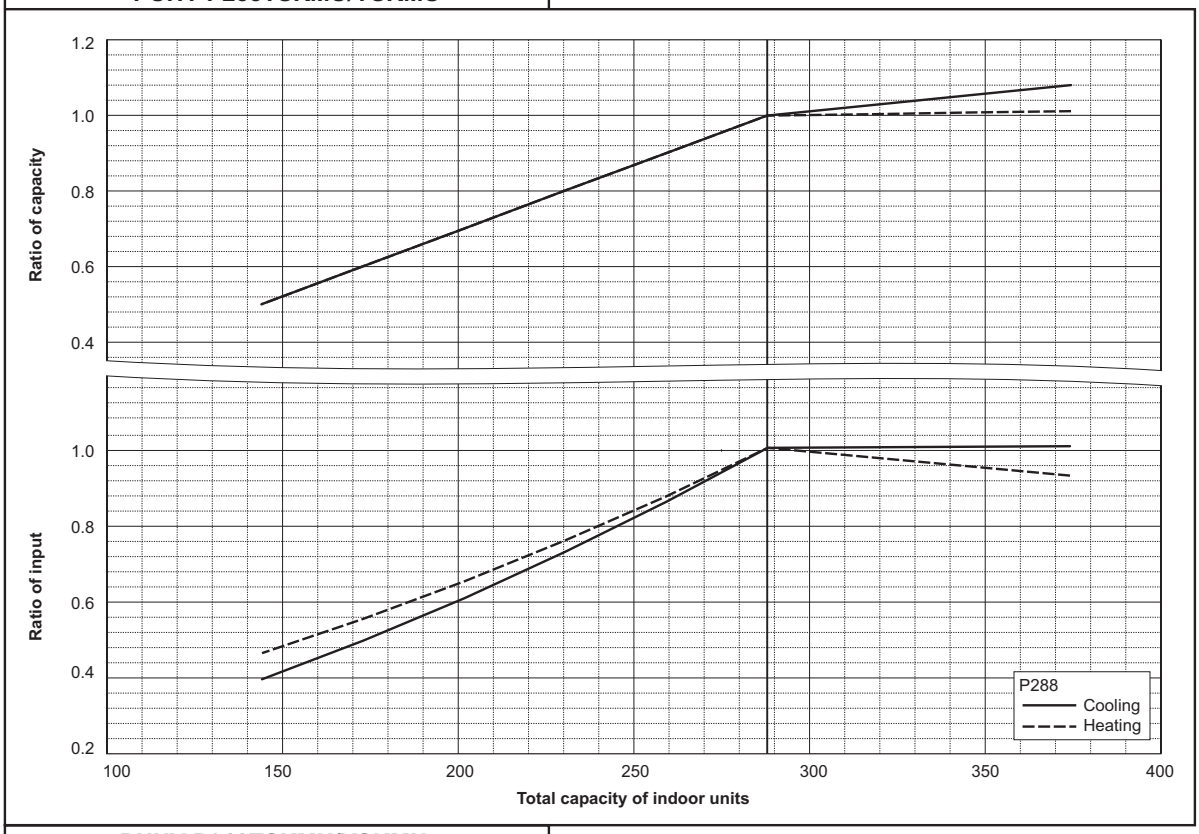
PUHY-P264TSKMU/YSKMU



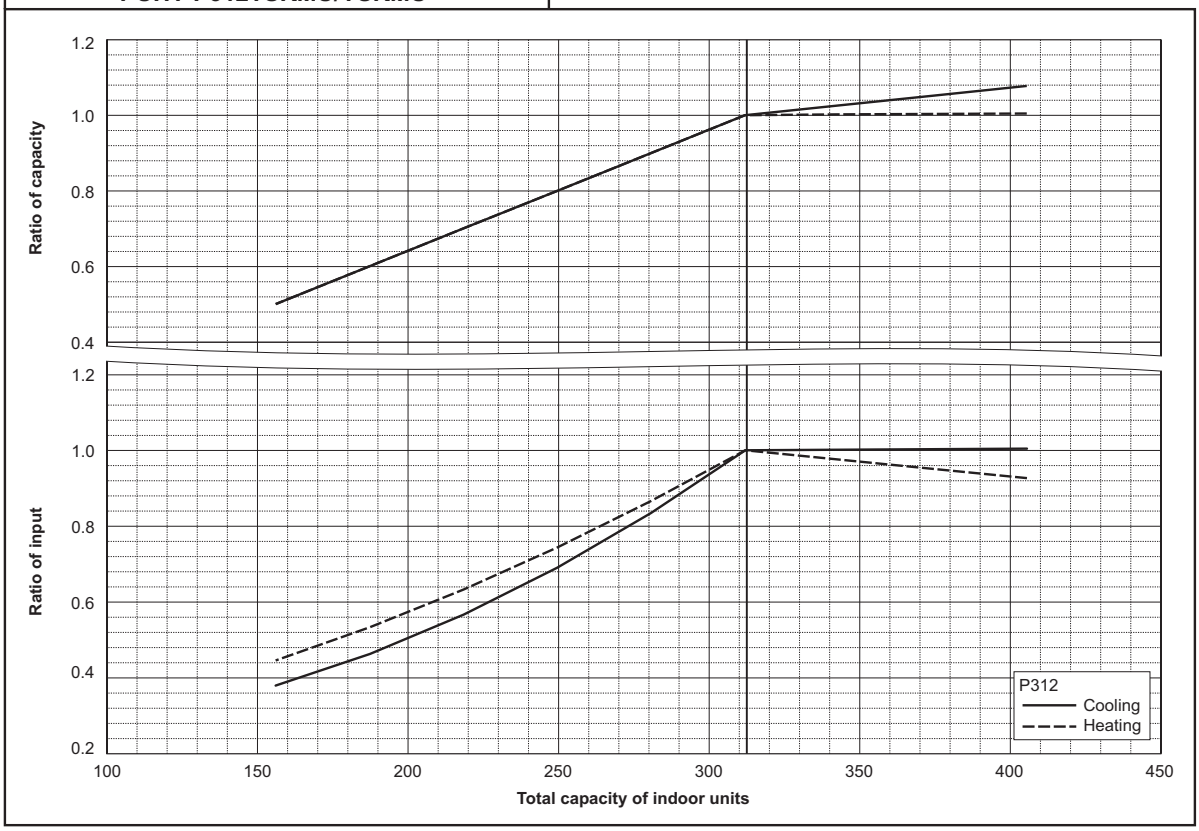
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8. CAPACITY TABLES

PUHY-P288TSKMU/YSKMU



PUHY-P312TSKMU/YSKMU



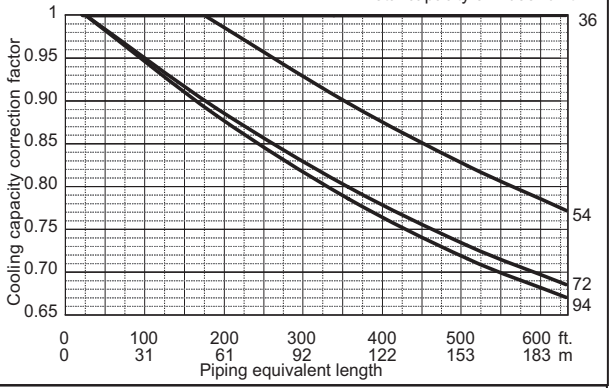
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8-4. Correction by Refrigerant Piping Length

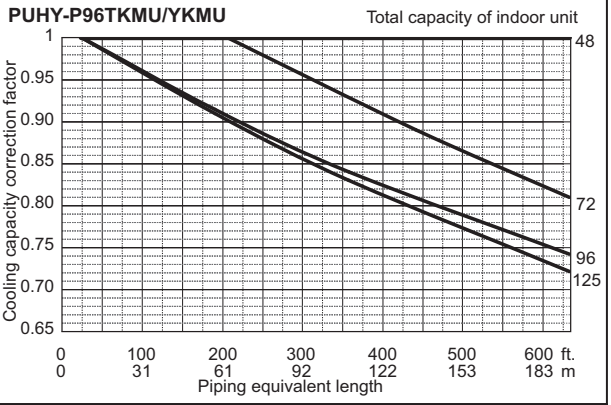
CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using the following correction factor by equivalent piping length shown at 7-4-1 and 7-4-2, capacity can be found. 7-4-3 shows how to obtain the equivalent piping length.

8-4-1. Cooling Capacity Correction

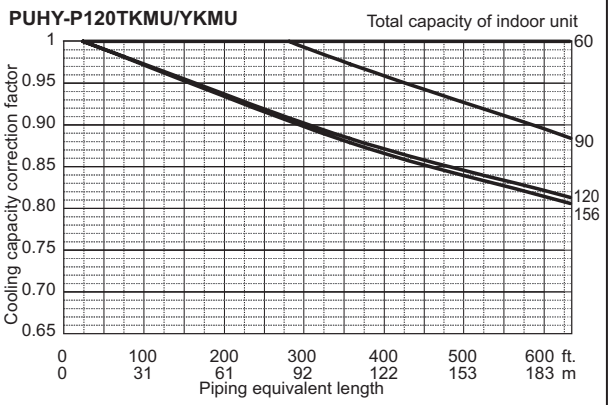
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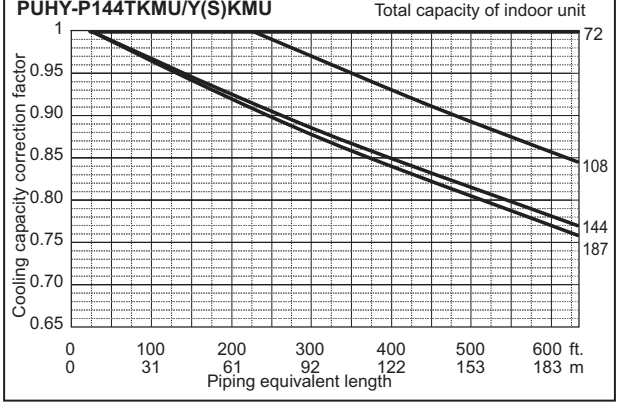
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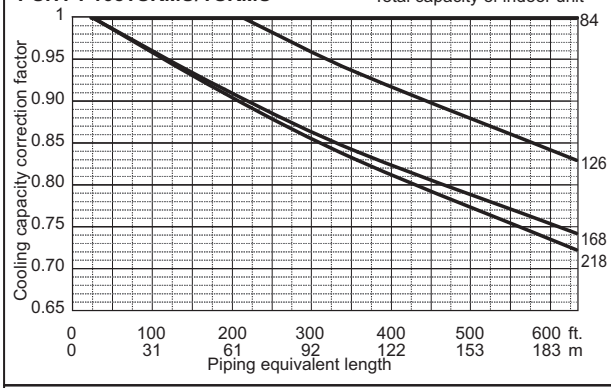
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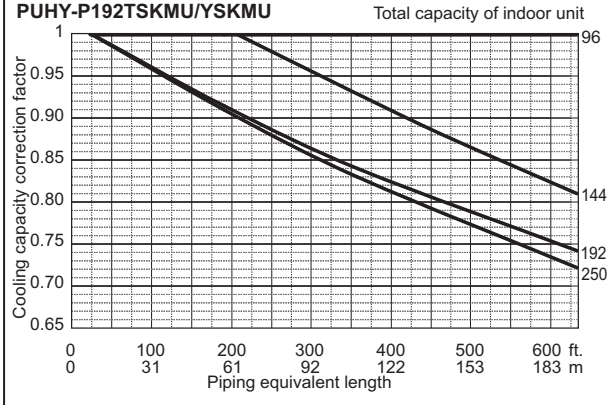
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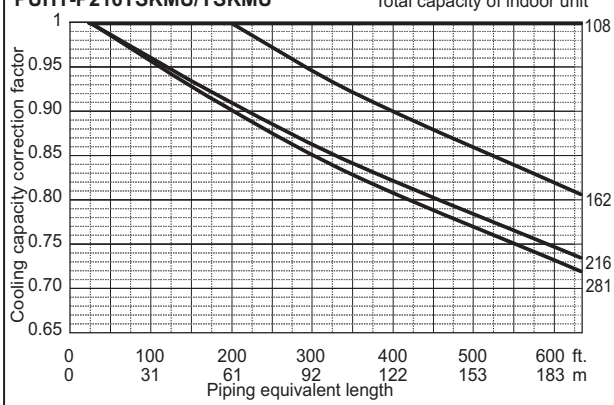
PUHY-P168TSKMU/YSKMU



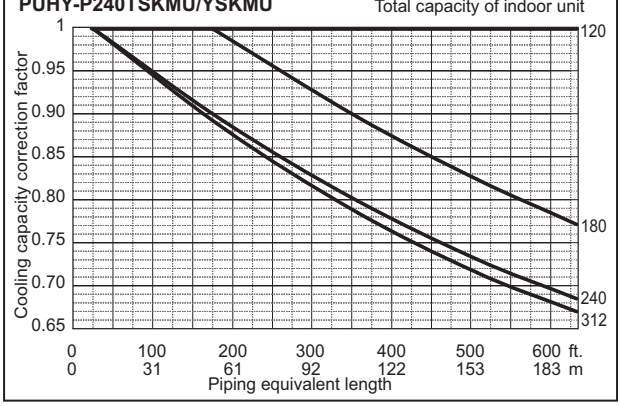
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PUHY-P216TSKMU/YSKMU



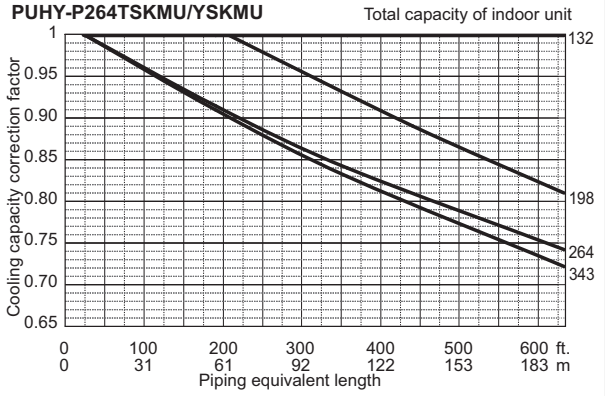
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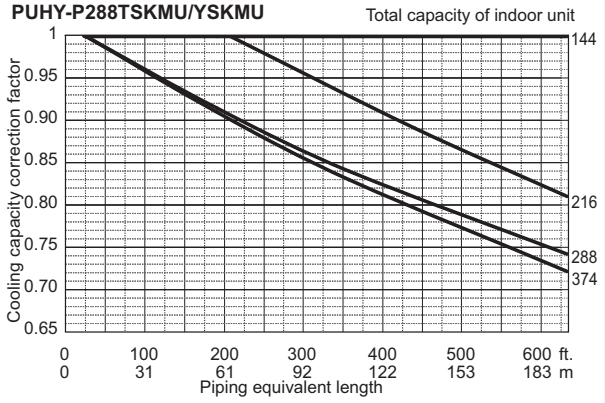
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8. CAPACITY TABLES

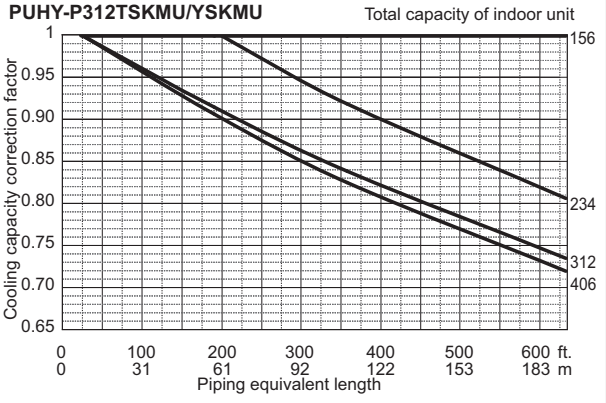
PUHY-P264TSKMU/YSKMU Total capacity of indoor unit



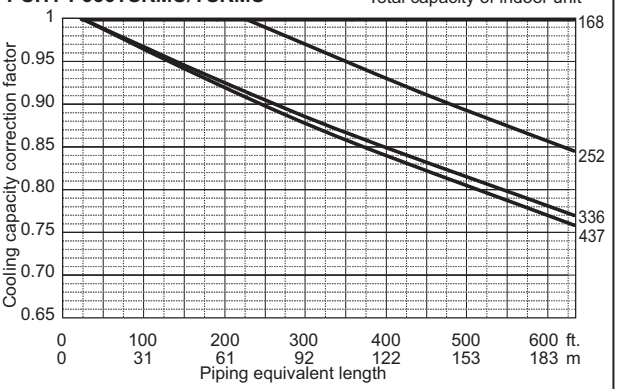
PUHY-P288TSKMU/YSKMU Total capacity of indoor unit



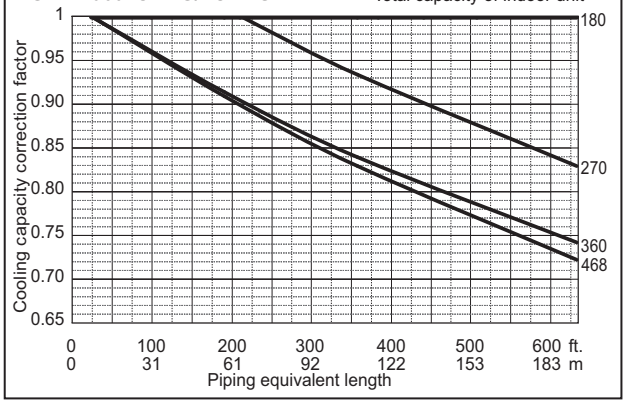
PUHY-P312TSKMU/YSKMU Total capacity of indoor unit



PUHY-P336TSKMU/YSKMU Total capacity of indoor unit



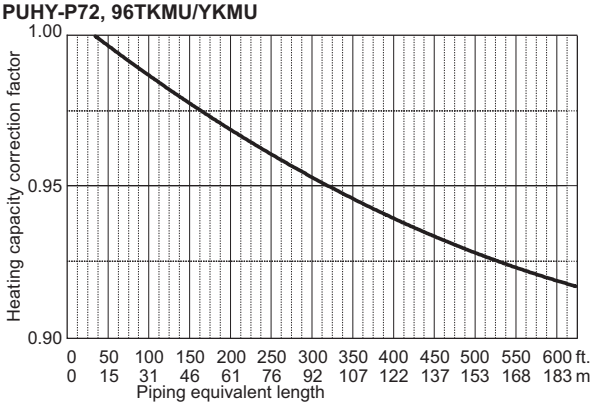
PUHY-P360TSKMU/YSKMU Total capacity of indoor unit



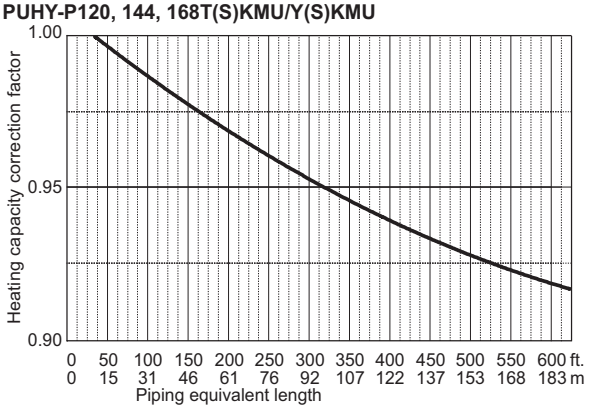
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8-4-2. Heating Capacity Correction

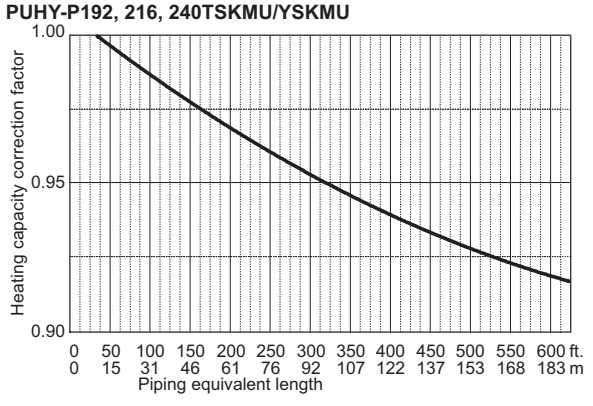
PUHY-P72, 96TKMU/YKMU



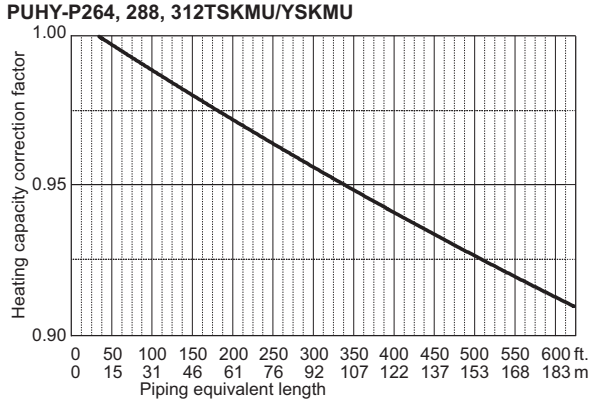
PUHY-P120, 144, 168T(S)KMU/Y(S)KMU



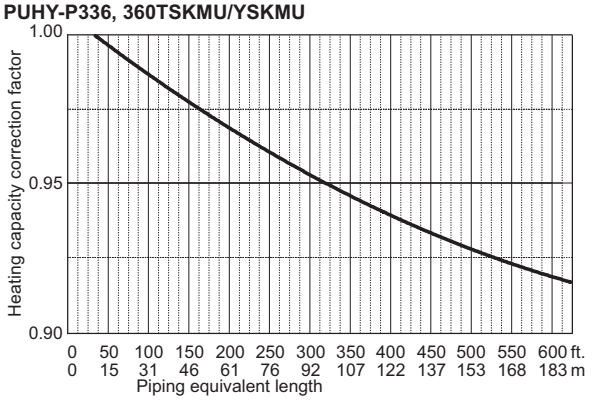
PUHY-P192, 216, 240TSKMU/YSKMU



PUHY-P264, 288, 312TSKMU/YSKMU



PUHY-P336, 360TSKMU/YSKMU



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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

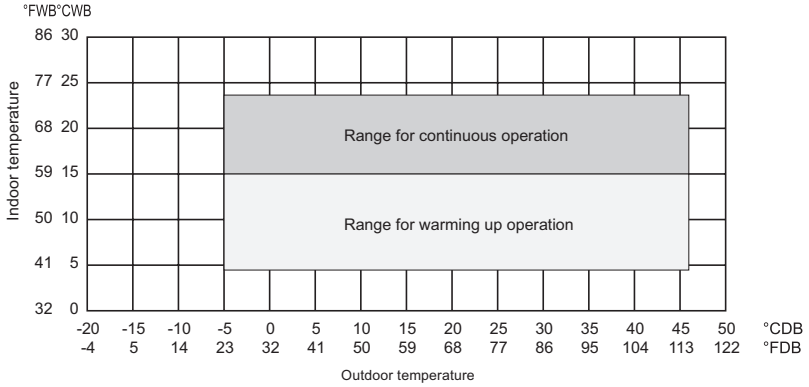
Outdoor inlet air temp. °C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F	43	39	36	34	32	28	25	21	18	14	-4
PUHY-P72TKMU-U (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P96TKMU-U (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P120TKMU-U (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144TKMU-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-BS)	1.00	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY-P144YSKMU-U (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY-P168YSKMU-U (-BS)	1.00	0.98	0.89	0.87	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P192YSKMU-U (-BS)	1.00	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P216YSKMU-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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-U (-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
$K = 1 - (1 - K_0) \times A$

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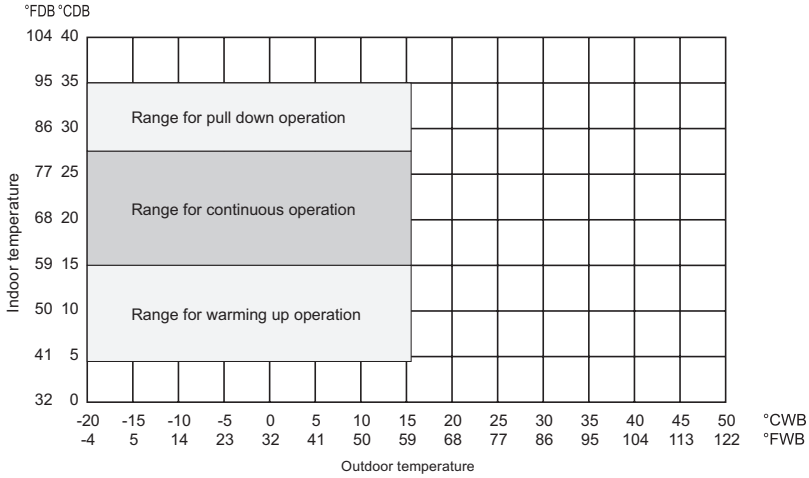
8-6. Standard Operation Temperature Range

• 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.

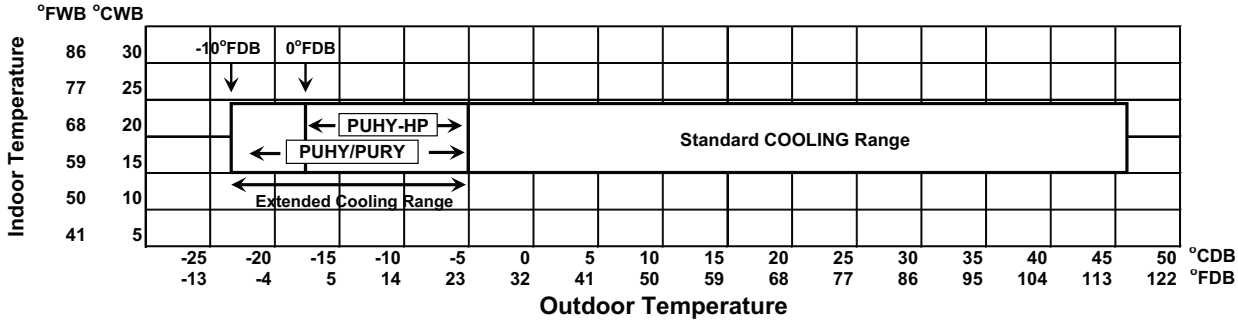
• Heating



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



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9. OPTIONAL PARTS

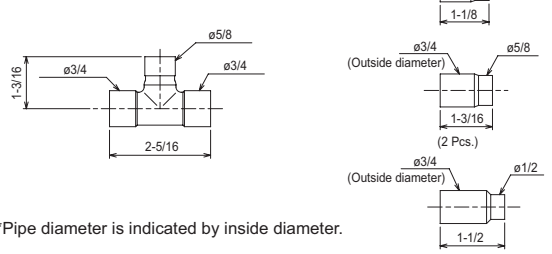
9-1. Branch Joints

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

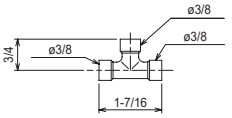
in.

For Gas pipe:

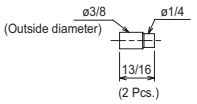


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For Liquid pipe:



<Reducer(Accessory)>

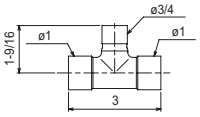


*Pipe diameter is indicated by inside diameter.

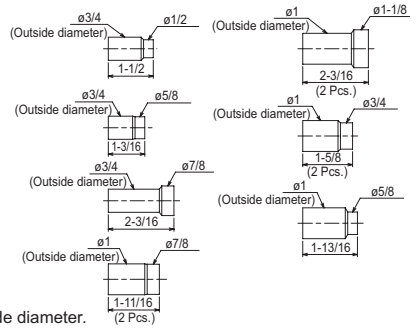
CMY-Y102LS-G2

in.

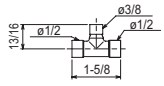
For Gas pipe:



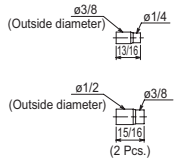
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For Liquid pipe:



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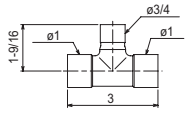


*Pipe diameter is indicated by inside diameter.

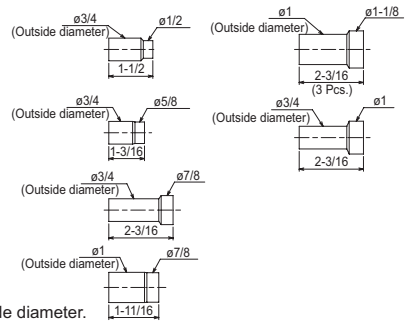
CMY-Y202S-G2

in.

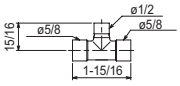
For Gas pipe:



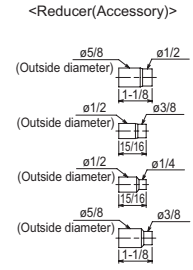
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For Liquid pipe:



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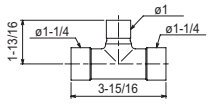


*Pipe diameter is indicated by inside diameter.

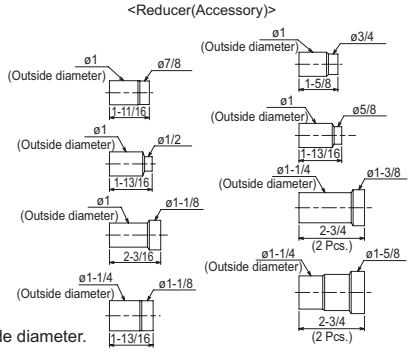
CMY-Y302S-G2

in.

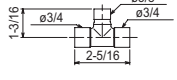
For Gas pipe:



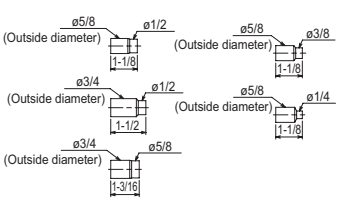
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For Liquid pipe:



<Reducer(Accessory)>



*Pipe diameter is indicated by inside diameter.

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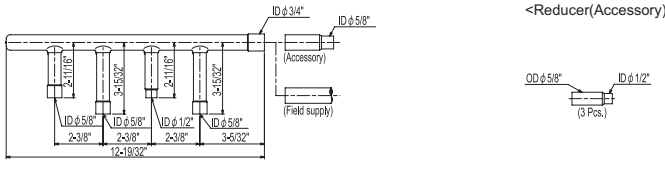
9-2. Headers

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.

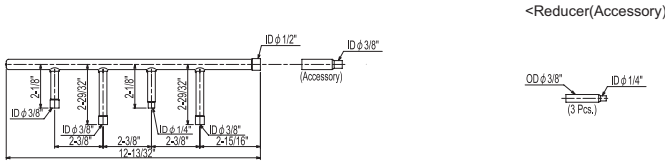
CMY-Y104C-G

Ref.: W901636
in.

For gas pipe:



For liquid pipe:

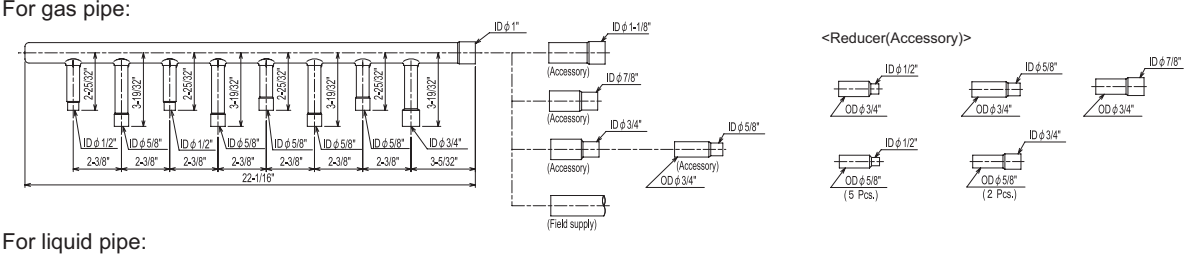


ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for ϕ1/4", ϕ3/8", ϕ1/2", ϕ5/8" pipes (each diameter 1 piece) are included in the Header set.

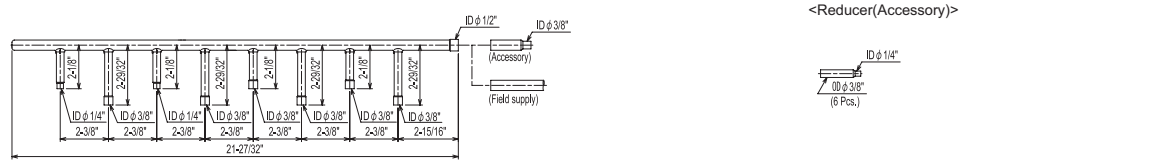
CMY-Y108C-G

Ref.: W901637
in.

For gas pipe:



For liquid pipe:

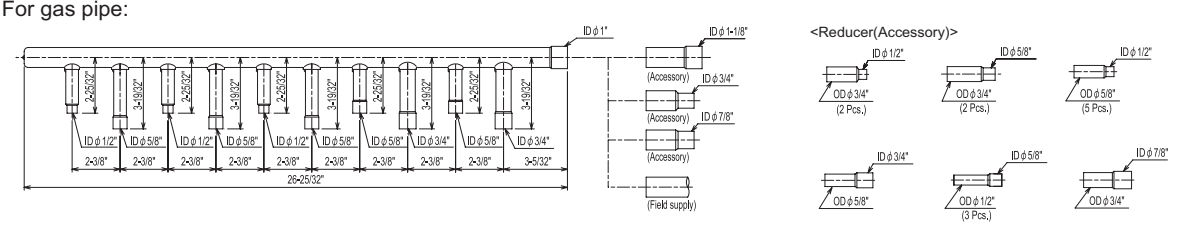


ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for ϕ1/4", ϕ3/8", ϕ1/2", ϕ5/8" pipes (each diameter 2 pieces) and 1 cap for ϕ3/4" pipe are included in the Header set.

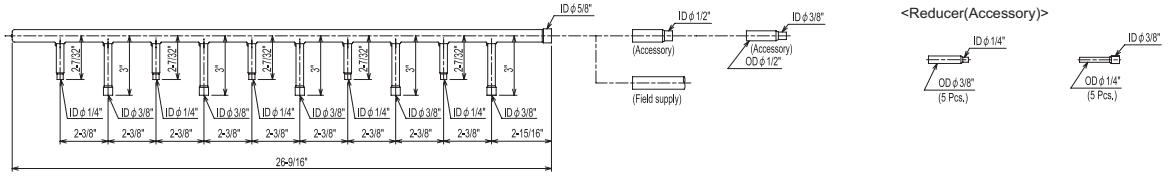
CMY-Y1010C-G

Ref.: W901638
in.

For gas pipe:



For liquid pipe:



ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for ϕ1/4", ϕ3/8", ϕ1/2", ϕ5/8" pipes (each diameter 2 pieces) and 1 cap for ϕ3/4" pipe are included in the Header set.

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9. OPTIONAL PARTS

9-3. Twinning Kit

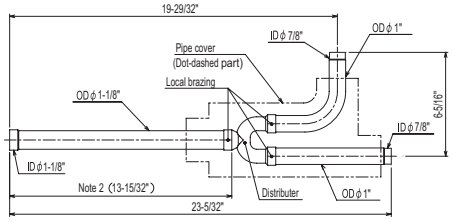
Twinning Kit is necessary for PUHY-P-TSKMU/YSKMU to combine the refrigerant flows of the PUHY-P-TKMU/YKMU units.

CMY-Y100CBK3

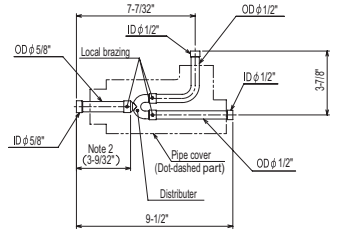
Ref.: CMY_Y100VBK2_EXD_EUDB_SI

in.

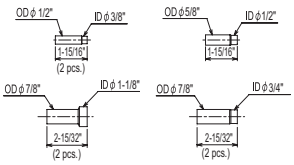
For Gas pipe:



For Liquid pipe:



<Reducer(Accessory)>



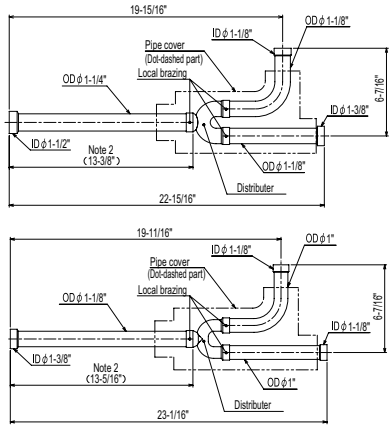
ID: Inner Diameter OD: Outer Diameter

CMY-Y300CBK2

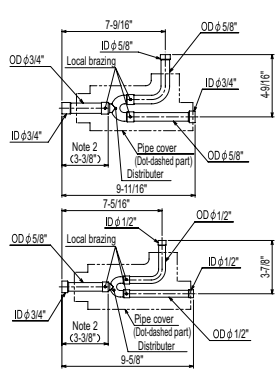
Ref.: CMY_Y300VBK2_EXD_EUDB_SI

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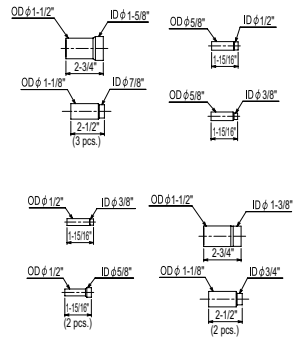
For Gas pipe:



For Liquid pipe:

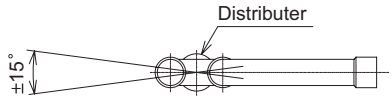


<Reducer(Accessory)>



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 hign pressure is within ±15° against the horizontal plane.

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

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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 (-12° 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

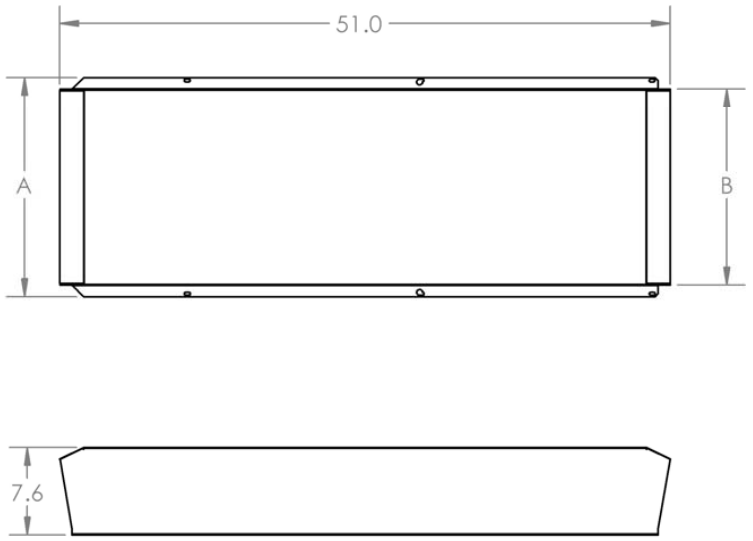
Unit model	Module Size			Component Quantity				
	S	L	XL	LAHK-1	LAHK-2	SWDK-1	RWDK-1	RWDK-2
PUHY-P72(T,Y)KMU-U	1			1		1	1	
PUHY-P96(T,Y)KMU-U		1		1		1		1
PUHY-P120(T,Y)KMU-U			1	1	1	1	2	
PUHY-P144(T,Y)KMU-U			1	1	1	1	2	
PUHY-P144YSKMU-U	2			2		1	2	
PUHY-P168(T,Y)SKMU-U	1	1		2		1	1	1
PUHY-P192(T,Y)SKMU-U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

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9. OPTIONAL PARTS

Dimensions

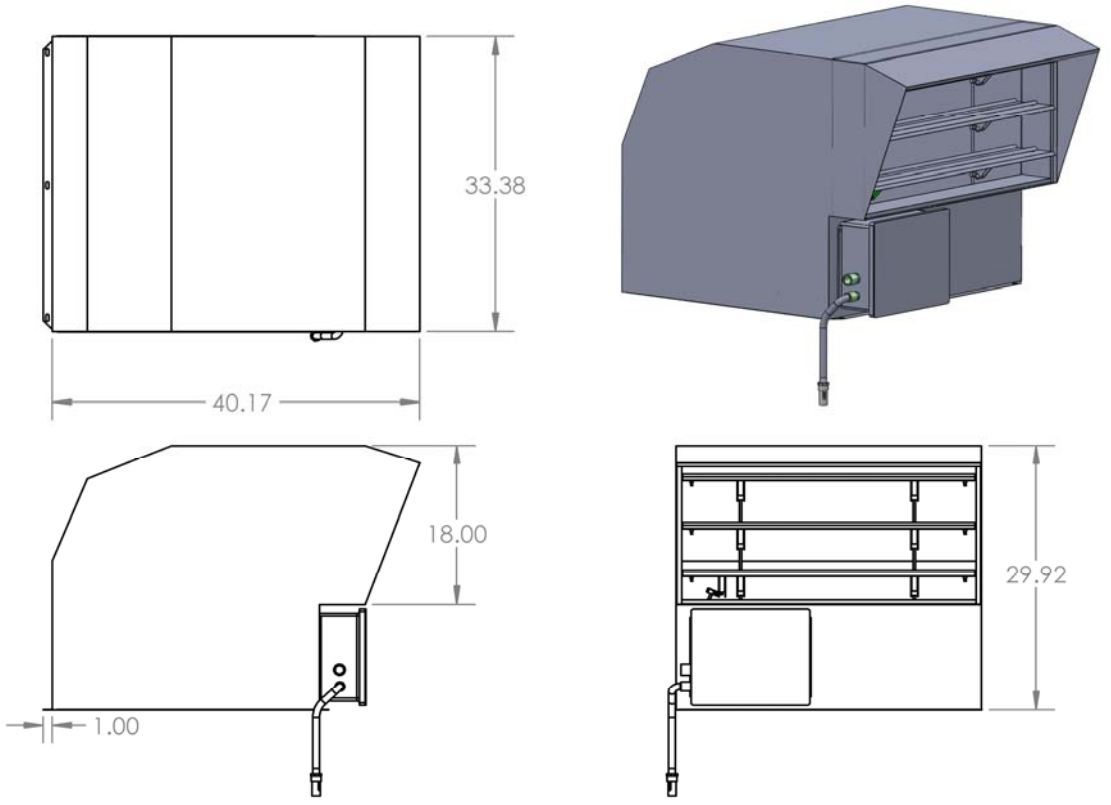
Wind Deflectors SWDK-1, RWDK-1 and RWDK-2



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



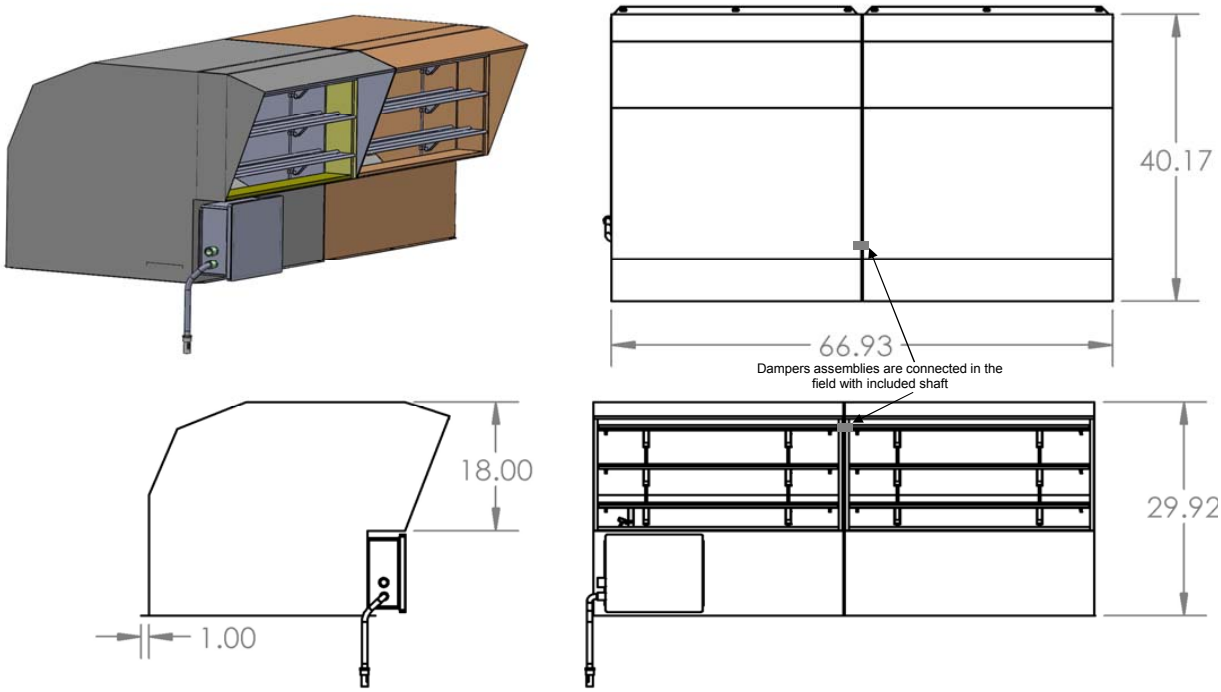
Low Ambient Hood LAHK-1 (used alone for single fan modules P72 and P96 sizes)



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Dimensions

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



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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.

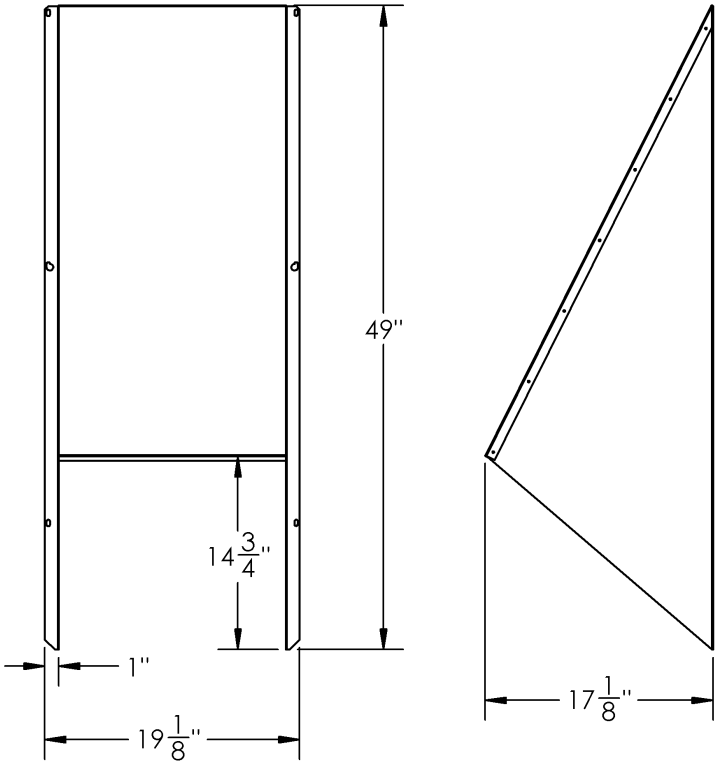
PUHY-P-T/Y(S)KMU Series

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

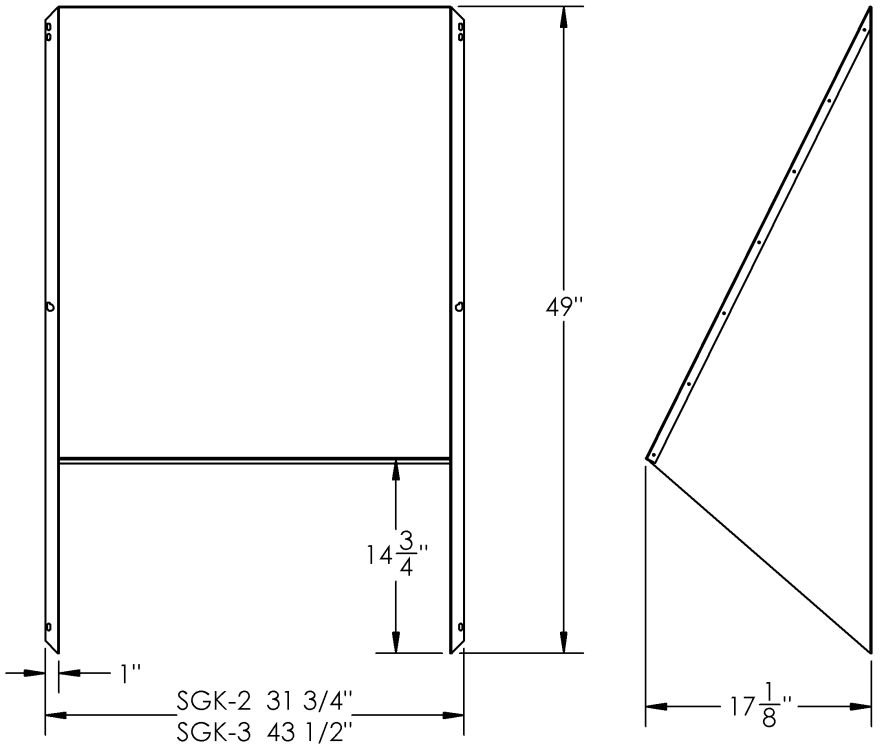
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Dimensions

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



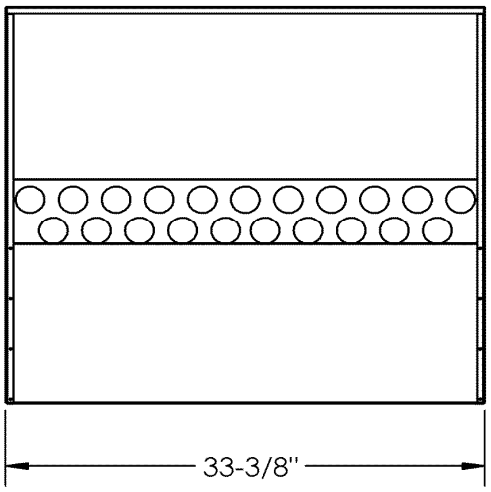
Snow/Hail Guards SGK-2, and SGK-3

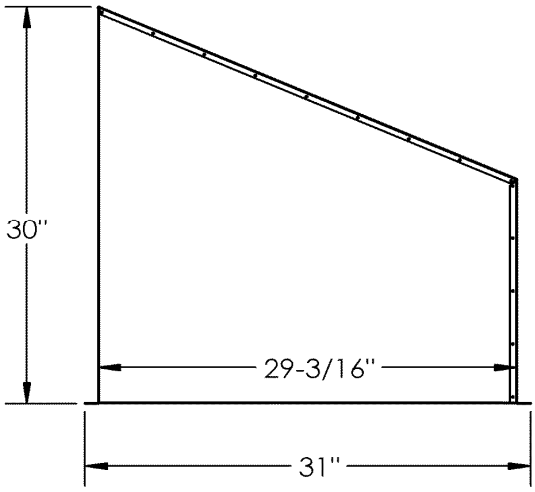


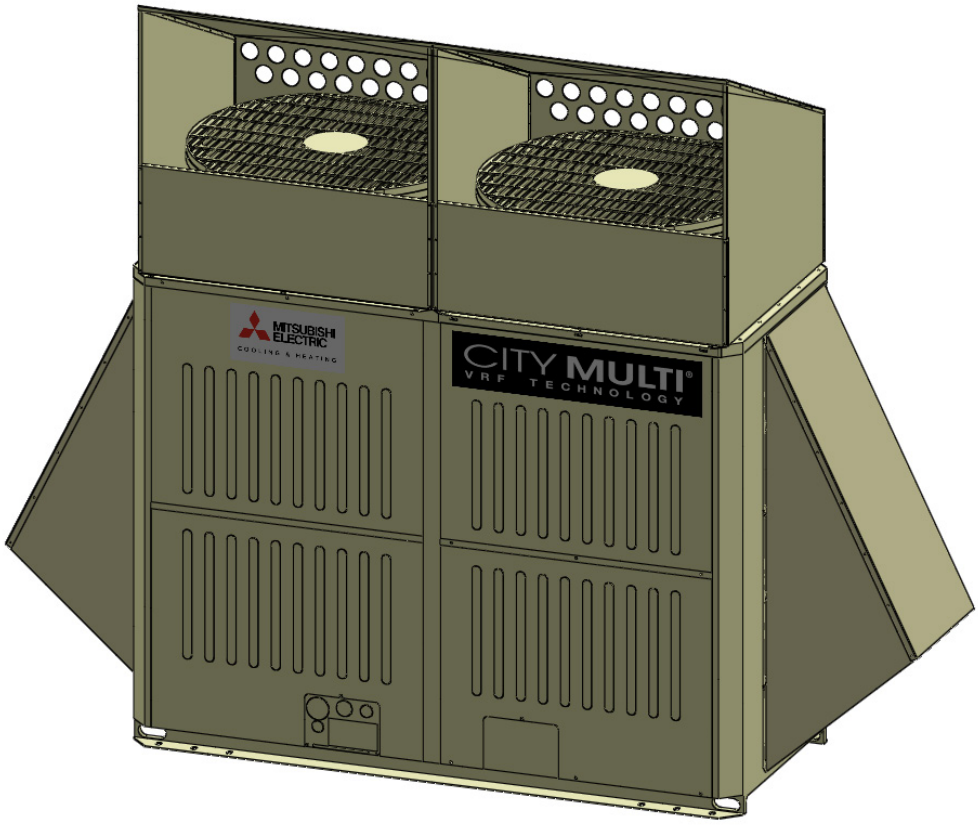
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Dimensions

Snow/Hail Guards SHK-1







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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 (Heater) PAC-BH01KTT-E (Relay Box)	208 / 230 V	122 / 150 W
Large Module	PAC-BH05EHT-E (Heater) PAC-BH01KTT-E (Relay Box)	208 / 230 V	162 / 198 W
XL Module	PAC-BH06EHT-E (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-U	1	-	-
PUHY-P96TKMU-U	-	1	-
PUHY-P120TKMU-U	-	-	1
PUHY-P144TKMU-U	-	-	1
PUHY-P168TSKMU-U	1	1	-
PUHY-P192TSKMU-U	1	-	1
PUHY-P216TSKMU-U	-	1	1
PUHY-P240TSKMU-U	-	-	2
PUHY-P264TSKMU-U	2	-	1
PUHY-P288TSKMU-U	1	1	1
PUHY-P312TSKMU-U	1	-	2
PUHY-P336TSKMU-U	-	1	2
PUHY-P360TSKMU-U	-	-	3

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