

OUTDOOR UNITS

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1. SPECIFICATIONS

DATA U4

1-1. PURY-P72~240T(S)HMU-A SPECIFICATIONS

Model			PURY-P72THMU-A(-BS)	PURY-P96THMU-A(-BS)
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	3-phase 3-wire 208 / 230V 10% 60Hz
Cooling capacity (Nominal) *1		BTU / h	72,000	96,000
		kW	21.1	28.1
	Power input	kW	5.55 *3	8.35 *3
	Current input (208 / 230)	A	17.1 / 15.4 *3	25.7 / 23.2 *3
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	59 to 75degF(15 to 24degC)
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	23 to 109degF(-5 to 43degC)
Heating capacity (Nominal) *2		BTU / h	80,000	108,000
		kW	23.4	31.7
	Power input	kW	6.04 *3	8.66 *3
	Current input (208 / 230)	A	18.6 / 16.8 *3	26.7 / 24.1 *3
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	59 to 81degF(15 to 27degC)
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	-4 to 60degF(-20 to 15.5degC)
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	50 to 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 18	P06 to P96 / 1 to 24
Sound pressure level (measured in anechoic room)		dB <A>	58.0	58.0
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8"(15.88) Brazed	3/4"(19.05) Brazed
	Gas pipe	in. (mm)	3/4"(19.05) Brazed	7/8"(22.2) Brazed
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Air flow rate	cfm	6,550	7,750
		m ³ / min	185	220
		L/s	3,080	3,670
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
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		19-100%	19-100%
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	7.0
	Case heater	kW	0.051(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight		lbs (kg)	519(235)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		WKB94L662	WKB94L663
	Wiring		WKE94C209	WKE94C210
	Refrigerant cycle		-	-
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw	Details refer to External Drw
Optional parts			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J
			BC controller: CMB-P105,106,108,1010,1013,1016NU-G	BC controller: CMB-P105,106,108,1010,1013,1016NU-G
			Main BC controller: CMB-P108,1010,1013,1016NU-GA	Main BC controller: CMB-P108,1010,1013,1016NU-GA
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 30 / 30A.

1. SPECIFICATIONS

DATA U4

Model			PURY-P120THMU-A(-BS)
Power source			3-phase 3-wire 208 / 230V 10% 60Hz
Cooling capacity (Nominal) *1	BTU / h		120,000
	kW		35.2
	Power input	kW	10.59 *3
	Current input (208 / 230)	A	32.6 / 29.5 *3
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)
Heating capacity (Nominal) *2	BTU / h		120,000
	kW		35.2
	Power input	kW	10.16 *3
	Current input (208 / 230)	A	31.3 / 28.3 *3
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 30
Sound pressure level (measured in anechoic room)		dB <A>	60.0
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4"(19.05) Brazed
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed
Fan	Type x Quantity		Propeller fan x 1
	Air flow rate	cfm	7,950
		m ³ / min	225
		L/s	3,750
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92
	External static pressure *4		0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Operating Range		17-100%
	Starting method		Inverter
	Motor output	kW	8.1
	Case heater	kW	0.057(230 V)
	Lubricant		MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D	in.	64-31/32" x 48-1/16" x 29-15/16"	
	mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller
Net weight	lbs (kg)		585(265)
Heat exchanger			Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)
Drawing	External		WKB94L663
	Wiring		WKE94C210
	Refrigerant cycle		-
Standard attachment	Document		Installation Manual
	Accessory		Details refer to External Drw
Optional parts	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J		
	BC controller: CMB-P105, 106, 108, 1010, 1013, 1016NU-G		
	Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA		
	Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.

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

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

PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.

1. SPECIFICATIONS

DATA U4

R2-SERIES
(208 / 230V)

Model			PURY-P144TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000	
		kW	42.2	
	Power input	kW	11.32 *3	
	Current input (208 / 230)	A	34.9 / 31.5 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	160,000	
		kW	46.9	
	Power input	kW	12.44 *3	
	Current input (208 / 230)	A	38.3 / 34.6 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			10-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 36	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.5) Brazed	
Set Model				
Model			PURY-P72THMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	6,550	
		m³ / min	185	
		L/s	3,080	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	
External static pressure *4		0 in.WG (0 Pa) *4		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	4.4	
	Case heater	kW	0.051(230 V)	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	519(235)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	5/8"(15.88)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L664	
	Wiring		WKE94C209	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

Model			PURY-P168TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	168,000	
		kW	49.2	
	Power input	kW	14.19 *3	
	Current input (208 / 230)	A	43.7 / 39.5 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	188,000	
		kW	55.1	
	Power input	kW	15.14 *3	
	Current input (208 / 230)	A	46.6 / 42.2 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			8-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 42	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P72THMU-A(-BS)	PURY-P96THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	6,550	7,750
		m ³ / min	185	220
		L/s	3,080	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
Compressor	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	7.0
	Case heater	kW	0.051(230 V)	0.057(230 V)
Lubricant		MEL32	MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 920 x 760	1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	519(235)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	5/8"(15.88)Brazed	3/4"(19.05)Brazed
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L665	
	Wiring		WKE94C209	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
 PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

R2-SERIES
(208 / 230V)

Model			PURY-P192TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	192,000	
		kW	56.3	
	Power input	kW	17.04 *3	
	Current input (208 / 230)	A	52.5 / 47.5 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	200,000	
		kW	58.6	
	Power input	kW	15.85 *3	
	Current input (208 / 230)	A	48.8 / 44.2 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 48	
Sound pressure level (measured in anechoic room)		dB <A>	62.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96THMU-A(-BS)	PURY-P96THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,750
		m ³ / min	220	220
		L/s	3,670	3,670
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	7.0
	Case heater	kW	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section. p. 336.	

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.
These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

Model			PURY-P216TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	216,000	
		kW	63.3	
	Power input	kW	19.32 *3	
	Current input (208 / 230)	A	59.5 / 53.8 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	228,000	
		kW	66.8	
	Power input	kW	19.38 *3	
	Current input (208 / 230)	A	59.7 / 54.0 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)	dB <A>		62.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P96THMU-A(-BS)	PURY-P120THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,750	7,950
		m ³ / min	220	225
		L/s	3,670	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	7.0	8.1
	Case heater	kW	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight	lbs (kg)		585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	WKE94C210
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;

PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

R2-SERIES
(208 / 230V)

Model			PURY-P240TSHMU-A(-BS)	
Power source			3-phase 3-wire 208 / 230V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	240,000	
		kW	70.3	
	Power input	kW	21.61 *3	
	Current input (208 / 230)	A	66.6 / 60.2 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF (15 to 24degC)	
	Outdoor	D.B.	23 to 109degF (-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	240,000	
		kW	70.3	
	Power input	kW	20.92 *3	
	Current input (208 / 230)	A	64.5 / 58.3 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF (15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF (-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB <A>	63.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P120THMU-A(-BS)	PURY-P120THMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,950	7,950
		m ³ / min	225	225
		L/s	3,750	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
External static pressure *4			0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	8.1	8.1
	Case heater	kW	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	585(265)	585(265)
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L666	
	Wiring		WKE94C210	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72THMU: MCA = 24 / 22A, Max. Fuse Size: 30 / 30A; PURY-P96THMU: MCA = 35 / 32A, Max. Fuse Size: 40 / 40A;
PURY-P120THMU: MCA = 43 / 40A, Max. Fuse Size: 50 / 50A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

1-2. PURY-P72~240Y(S)HMU-A SPECIFICATIONS

Model			PURY-P72YHMU-A(-BS)		PURY-P96YHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz		3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000			
		kW	21.1		28.1			
		Power input	kW	5.55 *3		8.27 *3		
		Current input (460)	A	7.7 *3		11.6 *3		
Temp. range of cooling		Indoor	W.B.	59 to 75degF(15 to 24degC)		59 to 75degF(15 to 24degC)		
		Outdoor	D.B.	23 to 109degF(-5 to 43degC)		23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal) *2		BTU / h	80,000		108,000			
		kW	23.4		31.7			
		Power input	kW	6.04 *3		8.66 *3		
		Current input (460)	A	8.4 *3		12.0 *3		
Temp. range of heating		Indoor	D.B.	59 to 81degF(15 to 27degC)		59 to 81degF(15 to 27degC)		
		Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		-4 to 60degF(-20 to 15.5degC)		
Indoor unit connectable		Total capacity		50 to 150 % of outdoor unit capacity		50 to 150 % of outdoor unit capacity		
		Model / Quantity		P06 to P96 / 1 to 18		P06 to P96 / 1 to 24		
Sound pressure level (measured in anechoic room)		dB <A>	58.0		58.0			
Refrigerant piping diameter		Liquid pipe	in. (mm)	5/8"(15.88) Brazed		3/4"(19.05) Brazed		
		Gas pipe	in. (mm)	3/4"(19.05) Brazed		7/8"(22.2) Brazed		
Fan		Type x Quantity		Propeller fan x 1		Propeller fan x 1		
		Air flow rate	cfm	6,550		7,750		
			m ³ / min	185		220		
			L/s	3,080		3,670		
		Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
		Motor output		kW	0.92		0.92	
		External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4		
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		19-100%		19-100%		
		Starting method		Inverter		Inverter		
		Motor output	kW	4.4		7.0		
		Case heater	kW	0.051(230 V)		0.057(230 V)		
		Lubricant		MEL32		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>			
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"			
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760			
Protection devices		High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
		Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch		
		Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant		Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)		R410A x 26 lbs + 1 oz (11.8kg)		
		Control		Indoor LEV and BC controller		Indoor LEV and BC controller		
Net weight		lbs (kg)	552(250)		618(280)			
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)			-		-			
Defrost method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)			
Drawing		External		WKB94L667		WKB94L668		
		Wiring		WKE94C212		WKE94C212		
		Refrigerant cycle		-		-		
Standard attachment		Document		Installation Manual		Installation Manual		
		Accessory		Details refer to External Drw		Details refer to External Drw		
Optional parts			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J			
			BC controller: CMB-P105, 106, 108, 1010, 1013, 1016NU-G		BC controller: CMB-P105, 106, 108, 1010, 1013, 1016NU-G			
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA			
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB		Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.					

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

PURY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PURY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A.

1. SPECIFICATIONS

DATA U4

R2-SERIES
(460V)

Model		PURY-P120YHMU-A(-BS)	
Power source		3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1	BTU / h	120,000	
	kW	35.2	
	Power input	kW	10.59 *3
	Current input (460)	A	14.7 *3
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)
Heating capacity (Nominal) *2	BTU / h	120,000	
	kW	35.2	
	Power input	kW	10.16 *3
	Current input (460)	A	14.1 *3
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity
	Model / Quantity		P06 to P96 / 1 to 30
Sound pressure level (measured in anechoic room)		dB <A>	60.0
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4"(19.05) Brazed
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed
Fan	Type x Quantity		Propeller fan x 1
	Air flow rate	cfm	7,950
		m ³ / min	225
		L/s	3,750
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92
	External static pressure *4		0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Operating Range		17-100%
	Starting method		Inverter
	Motor output	kW	8.1
	Case heater	kW	0.057(230 V)
		Lubricant	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	
External dimension H x W x D	in.		64-31/32" x 48-1/16" x 29-15/16"
	mm		1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller
Net weight	lbs (kg)		618(280)
Heat exchanger		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)		-	
Defrost method		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L668
	Wiring		WKE94C212
	Refrigerant cycle		-
Standard attachment	Document		Installation Manual
	Accessory		Details refer to External Drw
Optional parts			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160J
			BC controller: CMB-P105, 106, 108, 1010, 1013, 1016NU-G
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB
Remark	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.		

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

PURY-P120YHMU: MCA = 20A, Max. Fuse Size: 25A.

1. SPECIFICATIONS

DATA U4

Model			PURY-P144YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000	
		kW	42.2	
	Power input	kW	11.32 *3	
	Current input (460)	A	15.7 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	160,000	
		kW	46.9	
	Power input	kW	12.44 *3	
	Current input (460)	A	17.3 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			10-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 36	
Sound pressure level (measured in anechoic room)		dB <A>	61.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P72YHMU-A(-BS)	PURY-P72YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	6,550	6,550
		m ³ / min	185	185
		L/s	3,080	3,080
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92	0.92
	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	4.4	4.4
	Case heater	kW	0.051(230 V)	0.051(230 V)
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"	
		mm	1,650 x 920 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)	R410A x 23 lbs + 2 oz (10.5kg)
	Control		Indoor LEV and BC controller	
Net weight	lbs (kg)		552(250)	552(250)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	5/8"(15.88)Brazed	5/8"(15.88)Brazed
	Gas pipe	in. (mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L670	
	Wiring		WKE94C212	WKE94C212
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PURY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PURY-P120YHMU: MCA = 20A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

R2-SERIES
(460V)

Model			PURY-P168YSHMU-A(-BS)		
Power source			3-phase 3-wire 460V 10% 60Hz		
Cooling capacity (Nominal) *1		BTU / h	168,000		
		kW	49.2		
	Power input	kW	14.19 *3		
	Current input (460)	A	19.7 *3		
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)		
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal) *2		BTU / h	188,000		
		kW	55.1		
	Power input	kW	15.14 *3		
	Current input (460)	A	21.1 *3		
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)		
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		
System Compressor Operating Range			8-100%		
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 1 to 42		
Sound pressure level (measured in anechoic room)		dB <A>	61.0		
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed		
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed		
Set Model					
Model			PURY-P72YHMU-A(-BS)	PURY-P96YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	
	Airflow rate	cfm	6,550	7,750	
		m ³ / min	185	220	
		L/s	3,080	3,670	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	0.92	
Compressor	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4	
	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	Inverter	
	Motor output	kW	4.4	7.0	
	Case heater	kW	0.051(230 V)	0.057(230 V)	
Lubricant		MEL32	MEL32		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 920 x 760		1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 23 lbs + 2 oz (10.5kg)		R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller		
Net weight		lbs (kg)	552(250)		618(280)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-		-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	5/8"(15.88)Brazed		3/4"(19.05)Brazed
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94L671		
	Wiring		WKE94C212		WKE94C212
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual		
	Accessory		Details refer to External Drw		
Optional parts			Outdoor Twinning kit: CMY-R100VBK		
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J		
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA		
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.		
Note:	*1 Nominal cooling conditions		*2 Nominal heating conditions		Unit converter
Indoor:	80degF D.B./ 67degF W.B.		70degF D.B.		kcal =kW x 860
	(26.7degC D.B./ 19.4degC W.B.)		(21.1degC D.B.)		BTU/h =kW x 3.412
Outdoor:	95degF D.B. (35degC D.B.)		47degF D.B./ 43degF W.B.		cfm =m ³ /min x 35.31
			(8.3degC D.B./ 6.1degC W.B.)		lb =kg / 0.4536
Pipe length:	25ft.(7.6m)		25ft.(7.6m)		* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)		0ft.(0m)		
* Due to continuing improvement, above specifications may be subject to change without notice.					

1. SPECIFICATIONS

DATA U4

Model			PURY-P192YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	192,000	
		kW	56.3	
	Power input	kW	17.04 *3	
	Current input (460)	A	23.7 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	200,000	
		kW	58.6	
	Power input	kW	15.85 *3	
	Current input (460)	A	22.1 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 1 to 48	
Sound pressure level (measured in anechoic room)		dB <A>	62.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	7/8"(22.2) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model		PURY-P96YHMU-A(-BS)		PURY-P96YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	7,750	
		m ³ / min	220	
		L/s	3,670	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output		0.92	
	External static pressure *4		0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter	
	Motor output	kW	7.0	
	Case heater	kW	0.057(230 V)	
	Lubricant		MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller	
Net weight	lbs (kg)		618(280)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)		-		-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94L672	
	Wiring		WKE94C212	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts			Outdoor Twinning kit: CMY-R100VBK	
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J	
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA	
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB	
Remark		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336		

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

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

PURY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PURY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PURY-P120YHMU: MCA = 20A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

R2-SERIES
[460V]

Model			PURY-P216YSHMU-A(-BS)			
Power source			3-phase 3-wire 460V 10% 60Hz			
Cooling capacity (Nominal) *1		BTU / h	216,000			
		kW	63.3			
	Power input	kW	19.32 *3			
	Current input (460)	A	26.9 *3			
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)			
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)			
Heating capacity (Nominal) *2		BTU / h	228,000			
		kW	66.8			
	Power input	kW	19.38 *3			
	Current input (460)	A	27.0 *3			
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)			
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)			
System Compressor Operating Range			9-100%			
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)			
Sound pressure level (measured in anechoic room)		dB <A>	62.0			
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1-1/8"(28.58) Brazed			
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed			
Set Model						
Model			PURY-P96YHMU-A(-BS)		PURY-P120YHMU-A(-BS)	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,750		7,950	
		m³ / min	220		225	
		L/s	3,670		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92	
	External static pressure *4		0 in.WG (0 Pa) *4		0 in.WG (0 Pa) *4	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.		AC&R Works, MITSUBISHI ELECTRIC CORP.	
	Starting method		Inverter		Inverter	
	Motor output	kW	7.0		8.1	
	Case heater	kW	0.057(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
	External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
		mm	1,650 x 1,220 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight		lbs (kg)	618(280)		618(280)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed		3/4"(19.05)Brazed	
	Gas pipe	in. (mm)	7/8"(22.2)Brazed		1-1/8"(28.58)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L672			
	Wiring		WKE94C212		WKE94C212	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100VBK			
			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J			
			Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA			
			Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.			

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

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

PURY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PURY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;
 PURY-P120YHMU: MCA = 20A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1. SPECIFICATIONS

DATA U4

Model			PURY-P240YSHMU-A(-BS)	
Power source			3-phase 3-wire 460V 10% 60Hz	
Cooling capacity (Nominal) *1		BTU / h	240,000	
		kW	70.3	
	Power input	kW	21.61 *3	
	Current input (460)	A	30.1 *3	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)	
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)	
Heating capacity (Nominal) *2		BTU / h	240,000	
		kW	70.3	
	Power input	kW	20.92 *3	
	Current input (460)	A	29.1 *3	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)	
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)	
System Compressor Operating Range			9-100%	
Indoor unit connectable	Total capacity		50 to 150 % of outdoor unit capacity	
	Model / Quantity		P06 to P96 / 2 to 50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB <A>	63.0	
Refrigerant piping diameter from Twinning Kit to Indoor Units	Liquid pipe	in. (mm)	1-1/8"(28.58) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	
Set Model				
Model			PURY-P120YHMU-A(-BS)	PURY-P120YHMU-A(-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Airflow rate	cfm	7,950	7,950
		m³ / min	225	225
		L/s	3,750	3,750
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output		kW	0.92
	External static pressure *4		0 in.WG (0 Pa) *4	0 in.WG (0 Pa) *4
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORP.	AC&R Works, MITSUBISHI ELECTRIC CORP.
	Starting method		Inverter	Inverter
	Motor output	kW	8.1	8.1
	Case heater	kW	0.057(230 V)	0.057(230 V)
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) *5 <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	64-31/32" x 48-1/16" x 29-15/16"	64-31/32" x 48-1/16" x 29-15/16"
		mm	1,650 x 1,220 x 760	1,650 x 1,220 x 760
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Compressor / Fan		Over-heat protection / Thermal switch	Over-heat protection / Thermal switch
	Inverter		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	618(280)	618(280)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Refrigerant piping diameter from Module to Twinning Kit	Liquid pipe	in. (mm)	3/4"(19.05)Brazed	3/4"(19.05)Brazed
	Gas pipe	in. (mm)	1-1/8"(28.58)Brazed	1-1/8"(28.58)Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKB94L672	
	Wiring		WKE94C212	WKE94C212
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts	Outdoor Twinning kit: CMY-R100VBK			
	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J			
	Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA			
	Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. *3 For details on the electrical data needed for installing these units, see the R2-Series System Design section, pgs. 296-303. *4 External static pressure is adjustable via dipswitch setting (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa). *5 For information on standard anti-corrosion protection and -BS treatment, see the R2-Series System Design section, p. 336.	

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

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

PURY-P72YHMU: MCA = 11A, Max. Fuse Size: 15A; PURY-P96YHMU: MCA = 16A, Max. Fuse Size: 20A;

PURY-P120YHMU: MCA = 20A, Max. Fuse Size: 25A.

These electrical specifications apply to the individual units that make up the larger, combined units (PURY-P144-P240).

1-3. ENERGY EFFICIENCIES

Model Number	Nominal Cooling Capacity	Cooling EER	Heating 47° F COP	Heating 17° F COP	IPLV
HEAT RECOVERY Models 208/230V and 460V, 3-phase					
PURY-P72T/YHMu-A	72,000 Btu/h	12.0	3.5	2.4	15.3
PURY-P96T/YHMu-A	96,000 Btu/h	11.6	3.3	2.3	16.2
PURY-P120T/YHMu-A	120,000 Btu/h	10.5	3.2	2.2	17.4
PURY-P144T/YSHMu-A	144,000 Btu/h	12.0	3.5	2.4	15.3
PURY-P168T/YSHMu-A	168,000 Btu/h	11.8	3.4	2.3	15.8
PURY-P192T/YSHMu-A	192,000 Btu/h	11.6	3.3	2.3	16.2
PURY-P216T/YSHMu-A	216,000 Btu/h	11.0	3.3	2.2	16.9
PURY-P240T/YSHMu-A	240,000 Btu/h	10.5	3.2	2.2	17.4

These units were tested per the guidelines provided by the Department of Energy (DOE) in the Federal Register / Vol. 73 No. 239 / Thursday, December 11, 2008 / Notices / pages 75408 – 75417. Testing was done in accordance with the DOE guidelines and ARI Draft Standard 1230, which is based on ARI Standard 340/360 and ISO Standard 13256-1. All units meet or exceed ASHRAE 90.1 efficiency requirements.

Important: Interpreting the Test Results**COP and EER**

Testing on these units was performed at full load per the test standard so the Energy Efficiency Ratio (EER) and Coefficient of Performance (COP) are based on a fixed energy consumption level. Because of this, many of the energy saving benefits of these Variable Refrigerant Flow Zoning (VRFZ) systems are not truly reflected in these numbers. Some of the other ways these units maximize energy use, which are not included in EER and COP are:

1. Inverter driven compressor varies the system capacity based on load demands. Capacity can vary from 100% down to 16%.
2. Smart coil technology automatically varies the indoor unit capacity based on space cooling or heating requirements.
3. The CITY MULTI VRFZ systems can take advantage of building load diversity by using up 130% (Y Series) and 150% (R2 Series) connected indoor unit capacity. In many cases this can result in smaller capacity outdoor units required to condition the space.
4. Each R2-Series system has the ability to transfer heat from one area of the building to another. As an example; at 50% heating and 50% cooling demand, no energy is rejected or absorbed from the outdoors. The energy is moved from one part of the building to another within the system.

IPLV

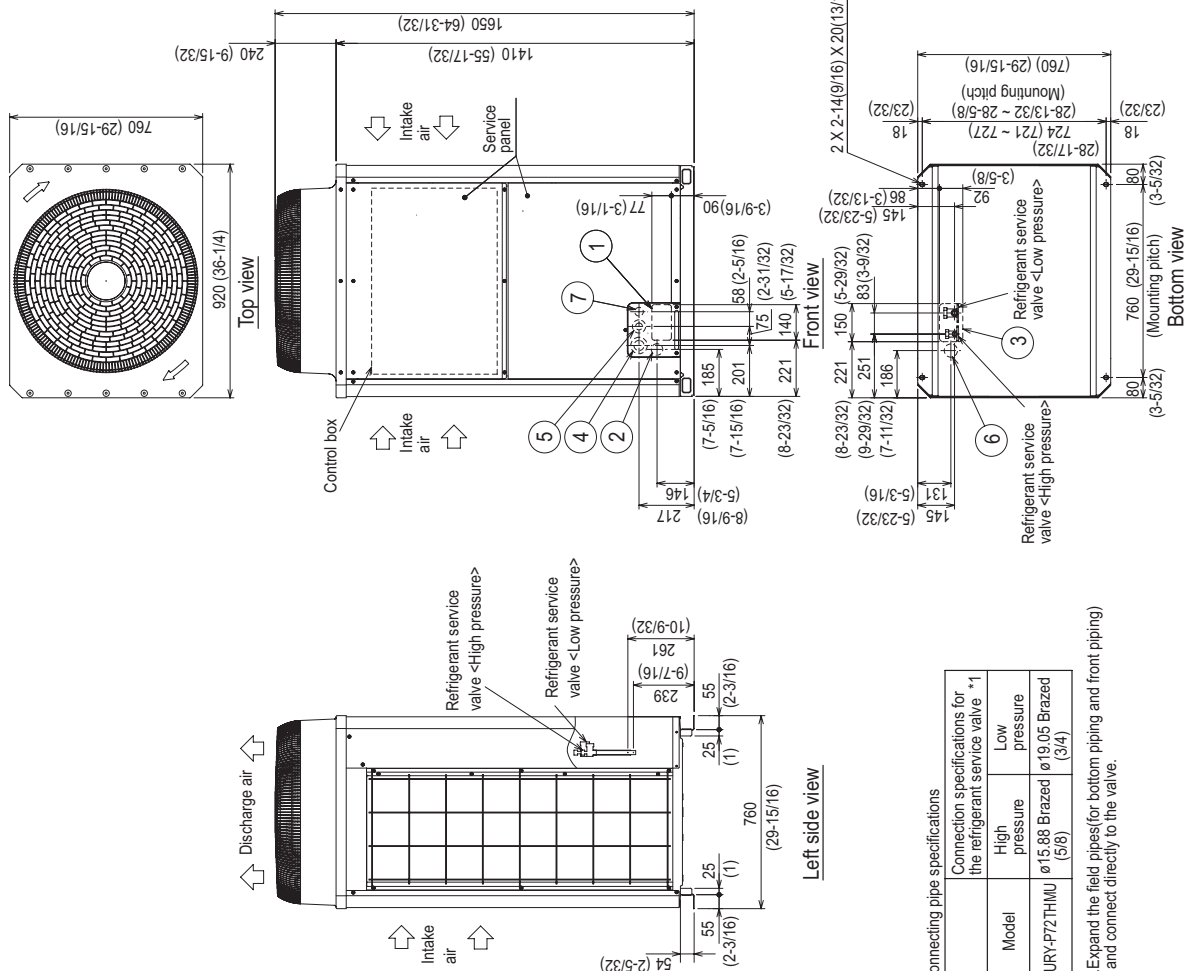
Integrated Part-Load Value (IPLV) is not an ASHRAE 90.1 requirement but it better demonstrates the energy saving capabilities of the CITY MULTI VRFZ systems by taking into account efficiencies at varying capacity conditions. However, it still doesn't account for items 2 – 4 above. Another important note when comparing these IPLV number to chillers is to know how the calculation/testing was done. The IPLV values above include all power required to condition the space. Chillers that commonly use IPLV ratings often do not include other energy consuming devices within the system when arriving at their values. Items such as pumps for water circulation and blower motors in the air handling devices are often excluded.

PURY-P72THMU-A(-BS)

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

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

NO.	Usage	Specifications
①	Front through hole	140 X 77 Knockout hole (5-17/32)(3-1/16)
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 X 92 Knockout hole (5-29/32)(3-5/8)
④	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
⑤	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑥	Bottom through hole	ø52 Knockout hole (2-17/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)



Connecting pipe specifications

Model	High pressure	Low pressure
PURY-P72THMU	ø15.88 Braze (5/8)	ø19.05 Braze (3/4)

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

R2-SERIES

PURY-P72THMU-A(-BS)

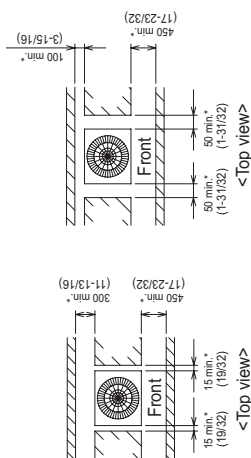
Ref. : PURY_THMU-A_EXD_USDB_P72_R2
Unit : mm(in)

R2-SERIES

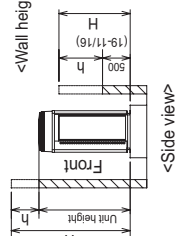
1.Required space around the unit

- In case of single installation

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



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



2.Foundation work

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

- In case of collective installation

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

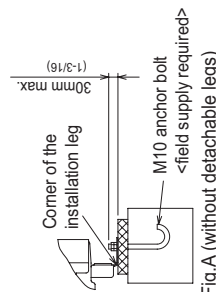
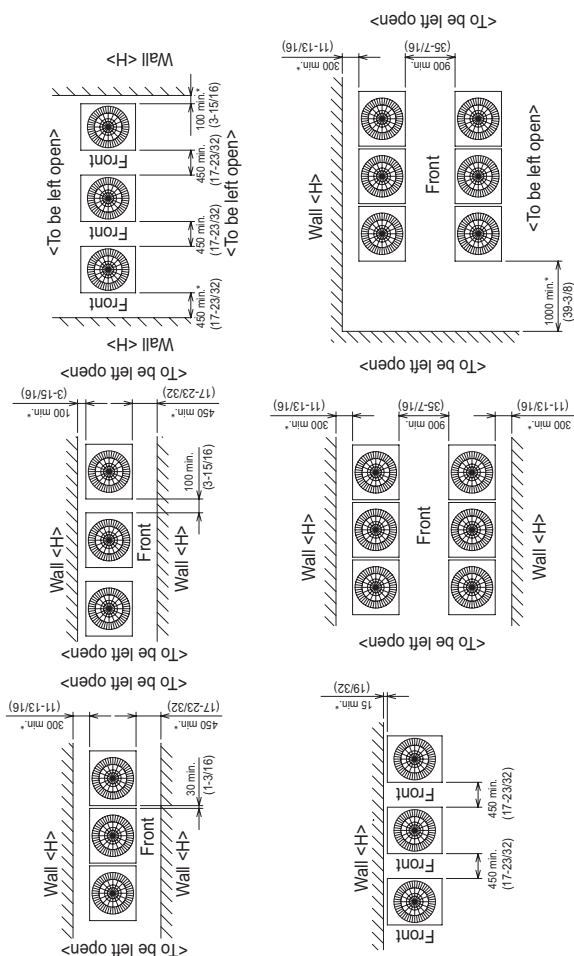
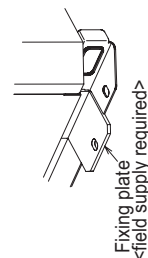


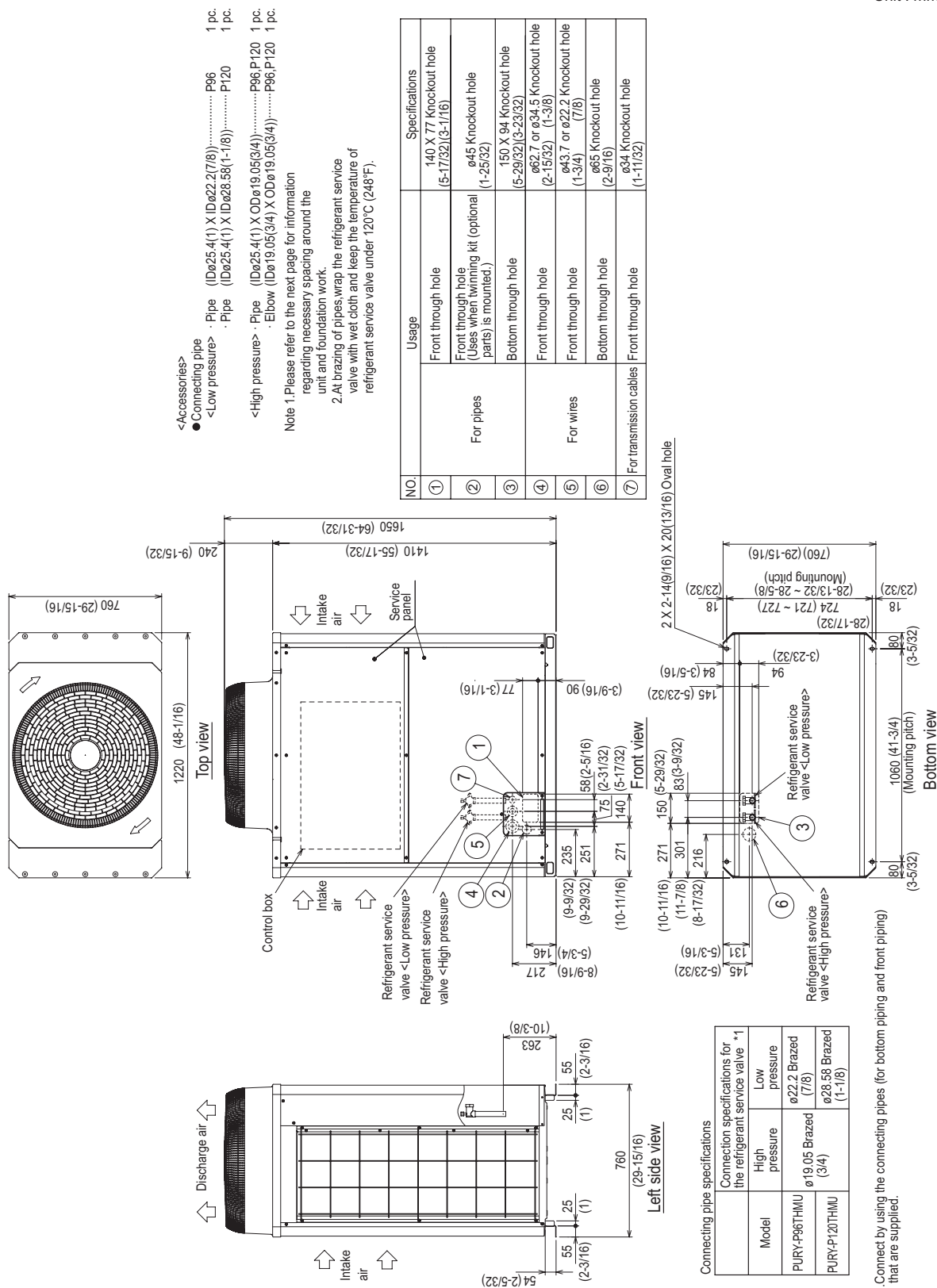
Fig.A (without detachable leas)



Fixing plate
<field supply required>

Fig.B (without detachable legs)

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

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

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

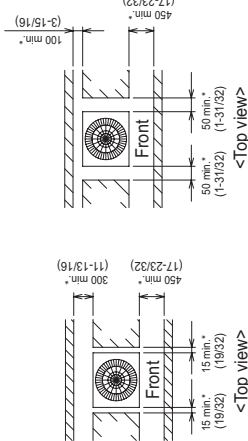
Ref. : PURY_THMU-A_EXD_USDB_P96-120_R2
Unit : mm(in)

R2-SERIES

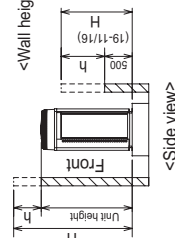
1.Required space around the unit

● In case of single installation

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



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



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

2.Foundation work

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

● In case of collective installation

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

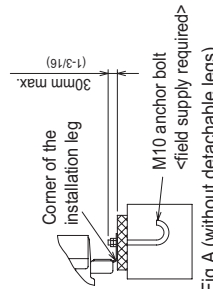
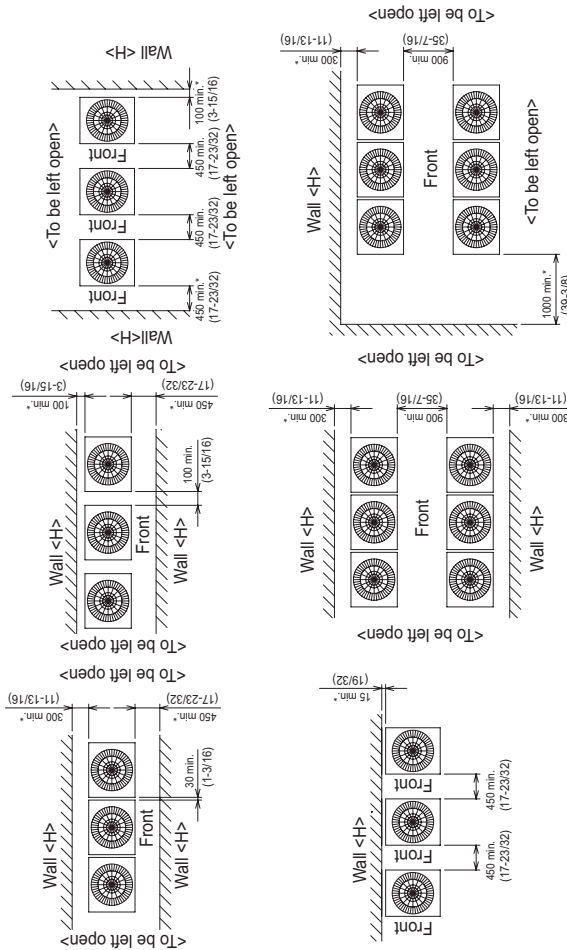


Fig.A (without detachable legs)

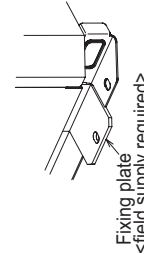
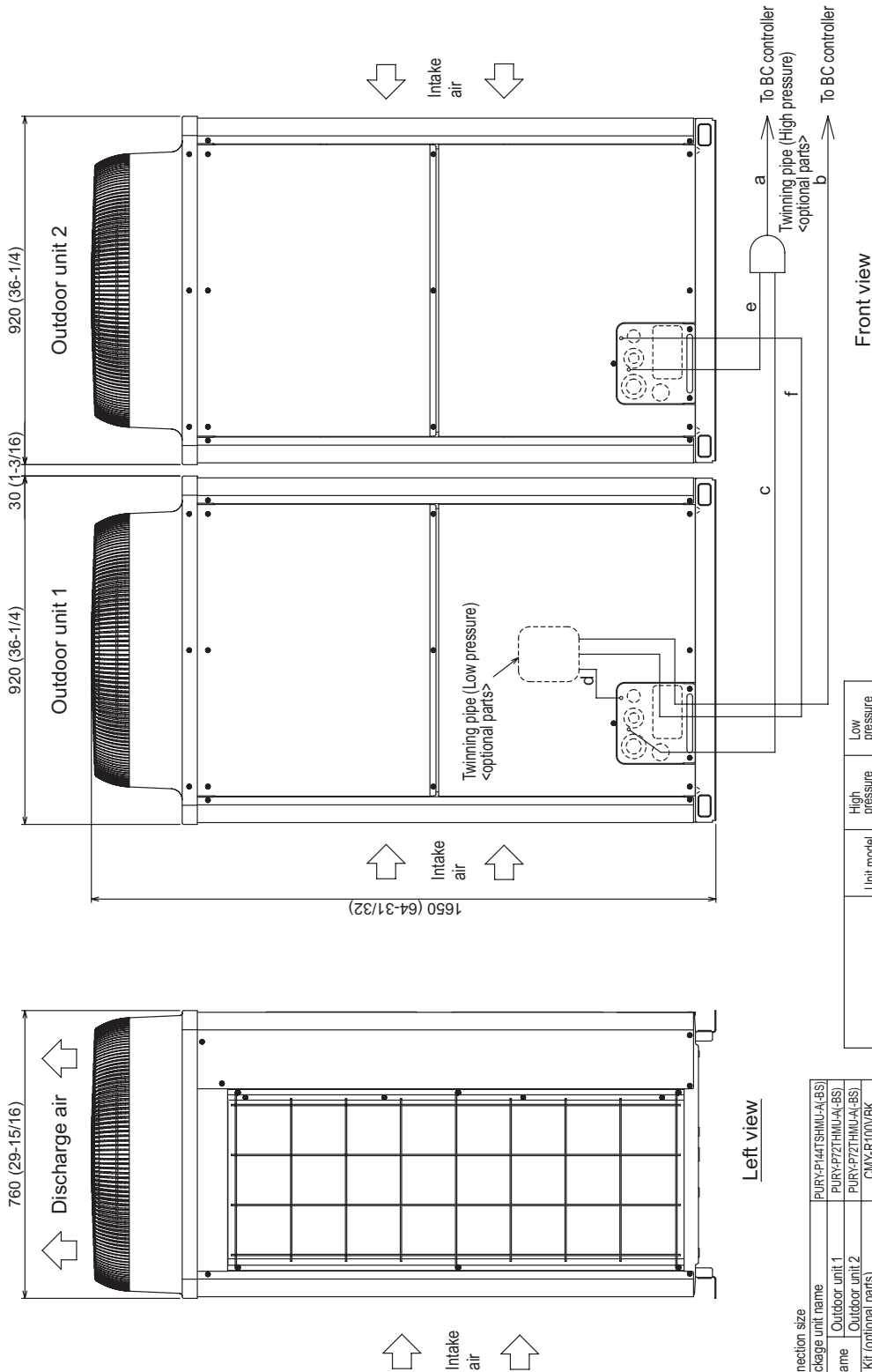


Fig.B (without detachable legs)

PURY-P144TSHMU-A(-BS)

Ref.: PURY_TSHMU-A_EXD_USDB_P144

Unit: mm(in)



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

R2-SERIES

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



Unit model	High pressure core	Low pressure dor f
Twinning pipe ~ Outdoor unit	P72 ø15.88 (5/8) ~10.05 (3/4)	ø19.05 (3/4) ~22.2 (7/8)



Twinning pipe connection size	
Component unit name	Package unit name
Outdoor unit 1	PURV-P68TSHU-A-(BS)
Outdoor unit 2	PURV-P67RHU-A-(BS)
Outdoor Twinning Kit (optional parts)	PURV-P72THU-A-(BS)
BC controller ~ Twinning pipe	CMV-R100VBK
High pressure	ø22.2 (7/8)
a	ø20.5 (1 1/8)

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

2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.

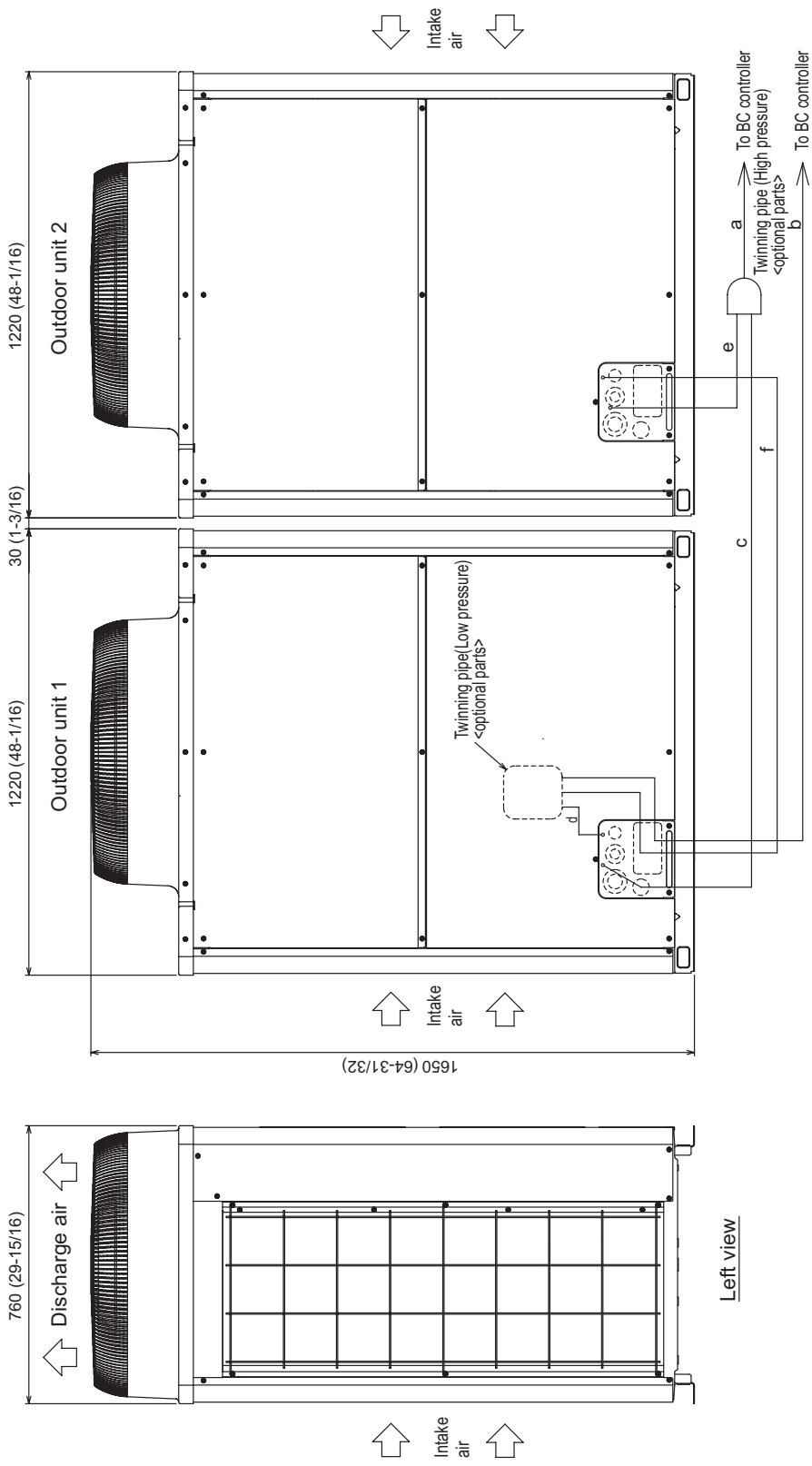
3. Be sure to see the Installation Manual for details of "twinning pipe installation."

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

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

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

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



Front view

Left view

Unit model	High pressure	Low pressure
P96	c or e ø19.05(3/4)	d or f ø22.2(7/8)
P120	ø19.05(3/4)	ø28.58(1-1/8)

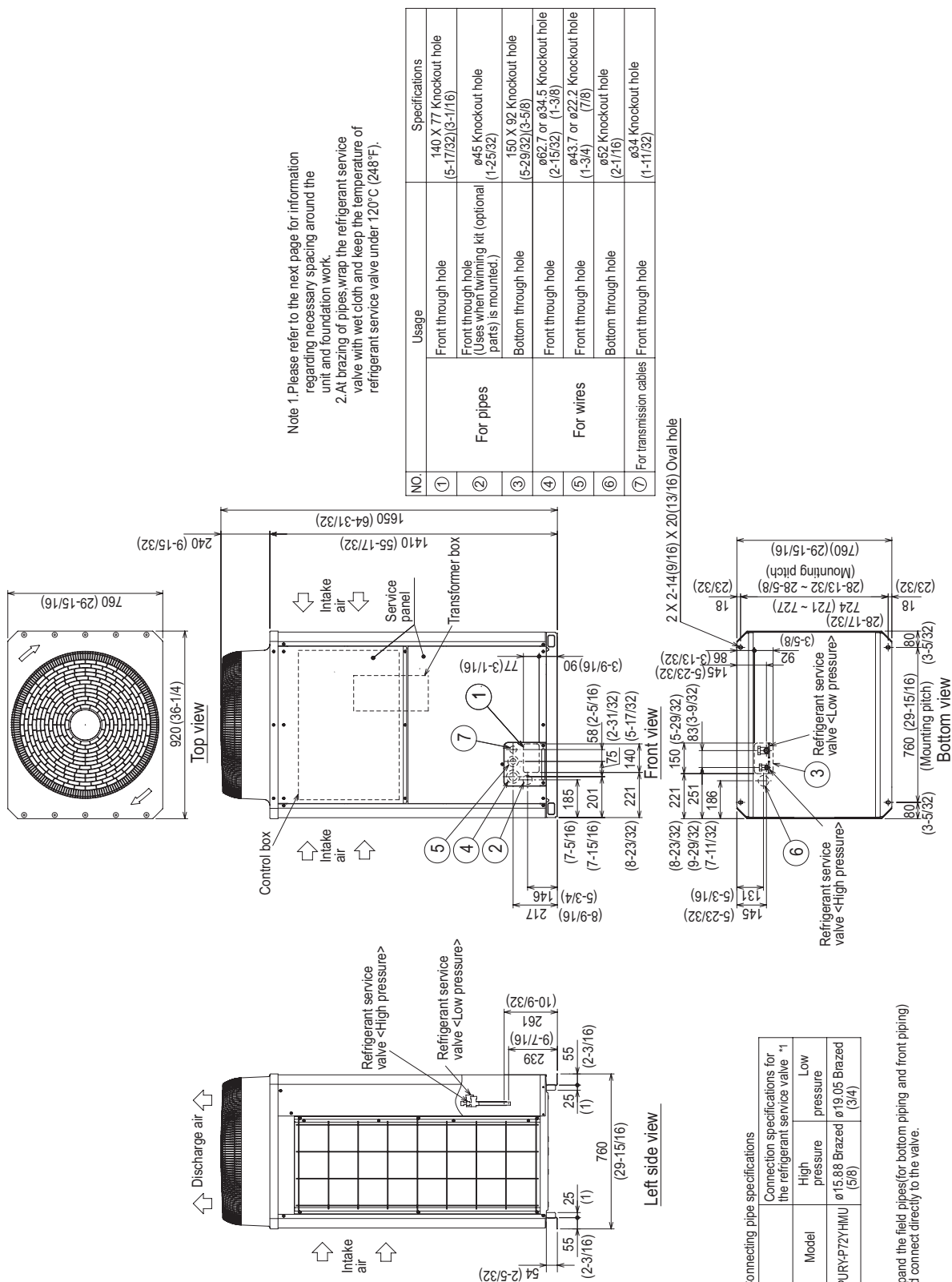
Package unit name		PURY-P192TSHMU-A(-BS)	PURY-P216TSHMU-A(-BS)	PURY-P240TSHMU-A(-BS)
Component unit name		Outdoor unit 1 PURY-P96TSHMU-A(-BS)	Outdoor unit 2 PURY-P120TSHMU-A(-BS)	Outdoor unit 1 PURY-P96TSHMU-A(-BS)
Outdoor Twining Kit(optional parts)		CMY-R100VBK		
BC controller ~ Twining pipe	High pressure	a	ø22.2(7/8)	ø28.58(1-1/8)
	Low pressure	b	ø22.2(7/8)	ø28.58(1-1/8)

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

PURY-P72YHMu-A(-BS)

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

R2-SERIES



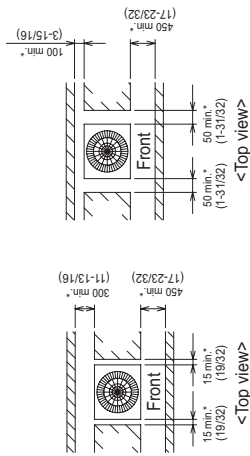
PURY-P72YHMU-A(-BS)

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

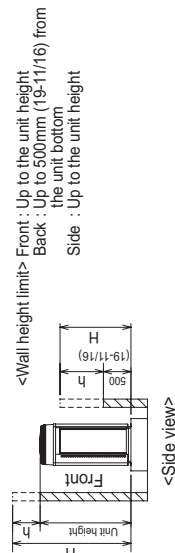
1. Required space around the unit

● In case of single installation

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



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



2. Foundation work

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

● In case of collective installation

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

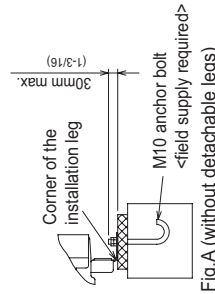
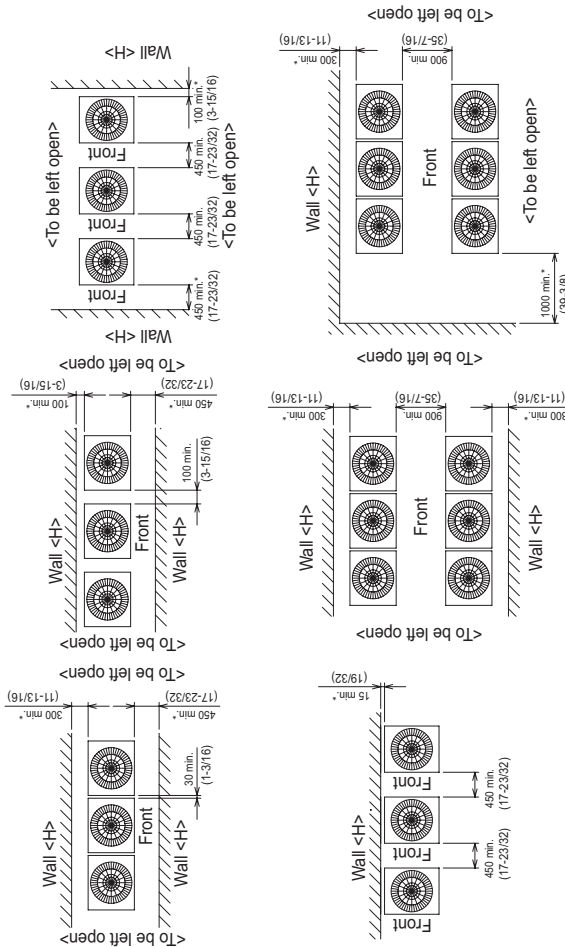


Fig.A (without detachable legs)

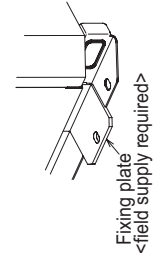


Fig.B (without detachable legs)

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

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

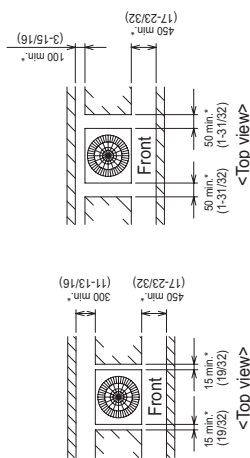
PURY-P96,120YHMU-A(-BS)

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

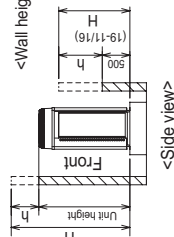
1.Required space around the unit

● In case of single installation

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



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



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

2.Foundation work

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

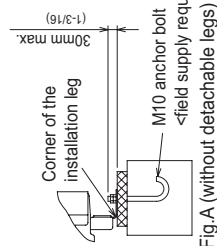


Fig.A (without detachable legs)

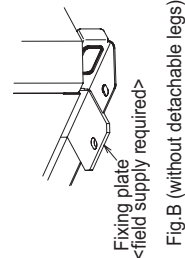
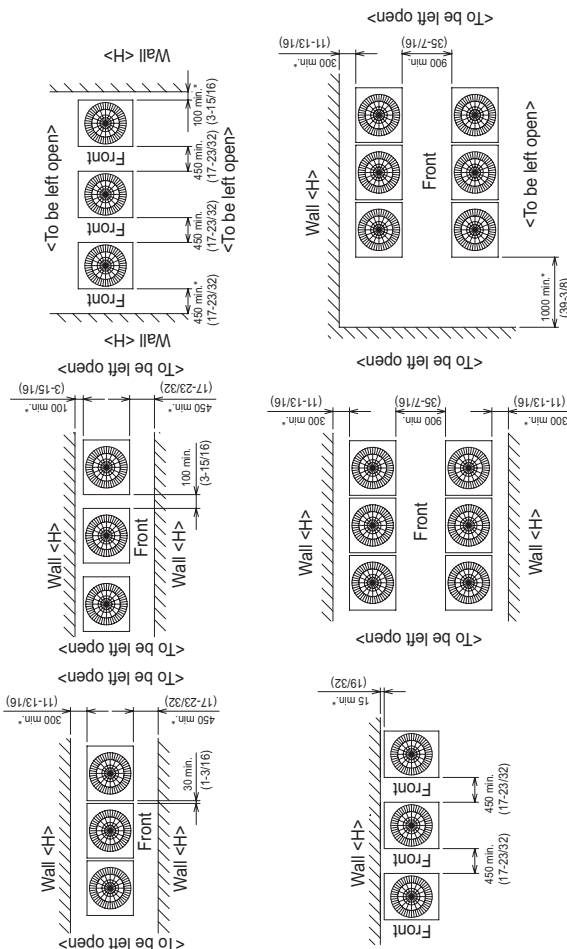


Fig.B (without detachable legs)

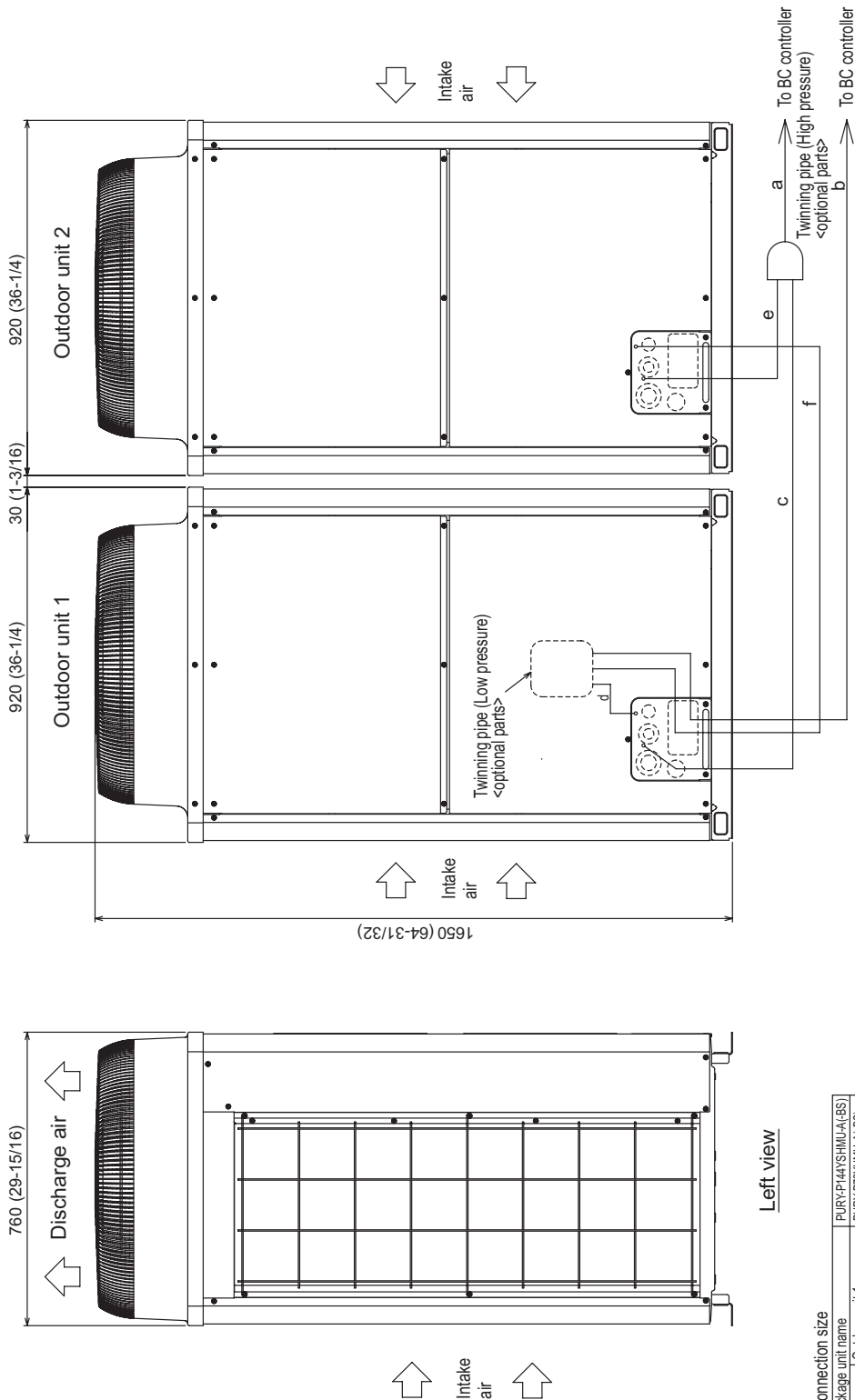


● In case of collective installation

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

PURY-P144YSHMU-A(-BS)

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



Front view

Left view

Twinning pipe connection size

Package unit name	PURY-P144YSHMU-A(-BS)
Component unit name	Outdoor unit 1 Outdoor unit 2 Outdoor Twinning Kit (optional parts)
BC controller ~ Twinning pipe	CMV-R100V/BK ø22.2(7/8) ø25.5(1-1/8)
High pressure	a
Low pressure	b

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

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

2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.

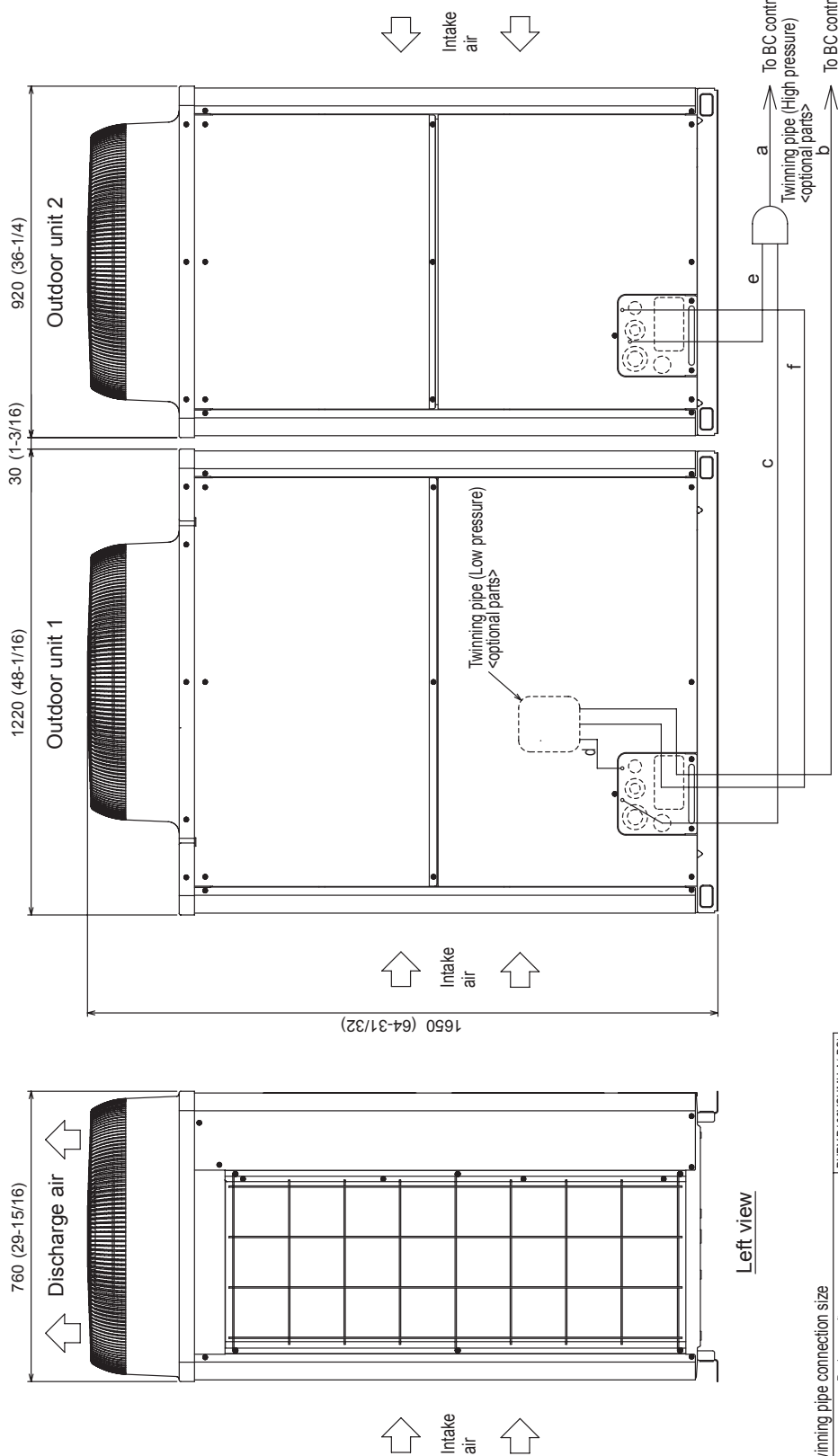
3. Be sure to see the Installation Manual for details of Twinning pipe installation.

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

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

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

PURY-P168YSHMU-A(-BS)

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

Unit model	High pressure core	Low pressure d or f
P72	ø15.88(5/8)	ø19.05(3/4)
P96	ø19.05(3/4)	ø22.2(7/8)

Package unit name	PURY-P168YSHMU-A(-BS)
Component unit name	PURY-P96YSHMU-A(-BS) PURY-P72YSHMU-A(-BS)
Outdoor Twinning Kit (optional parts)	CMY-R100VBK
BC controller ~ Twinning pipe	High pressure a ø22.2(7/8) Low pressure b ø28.58(1-1/8)

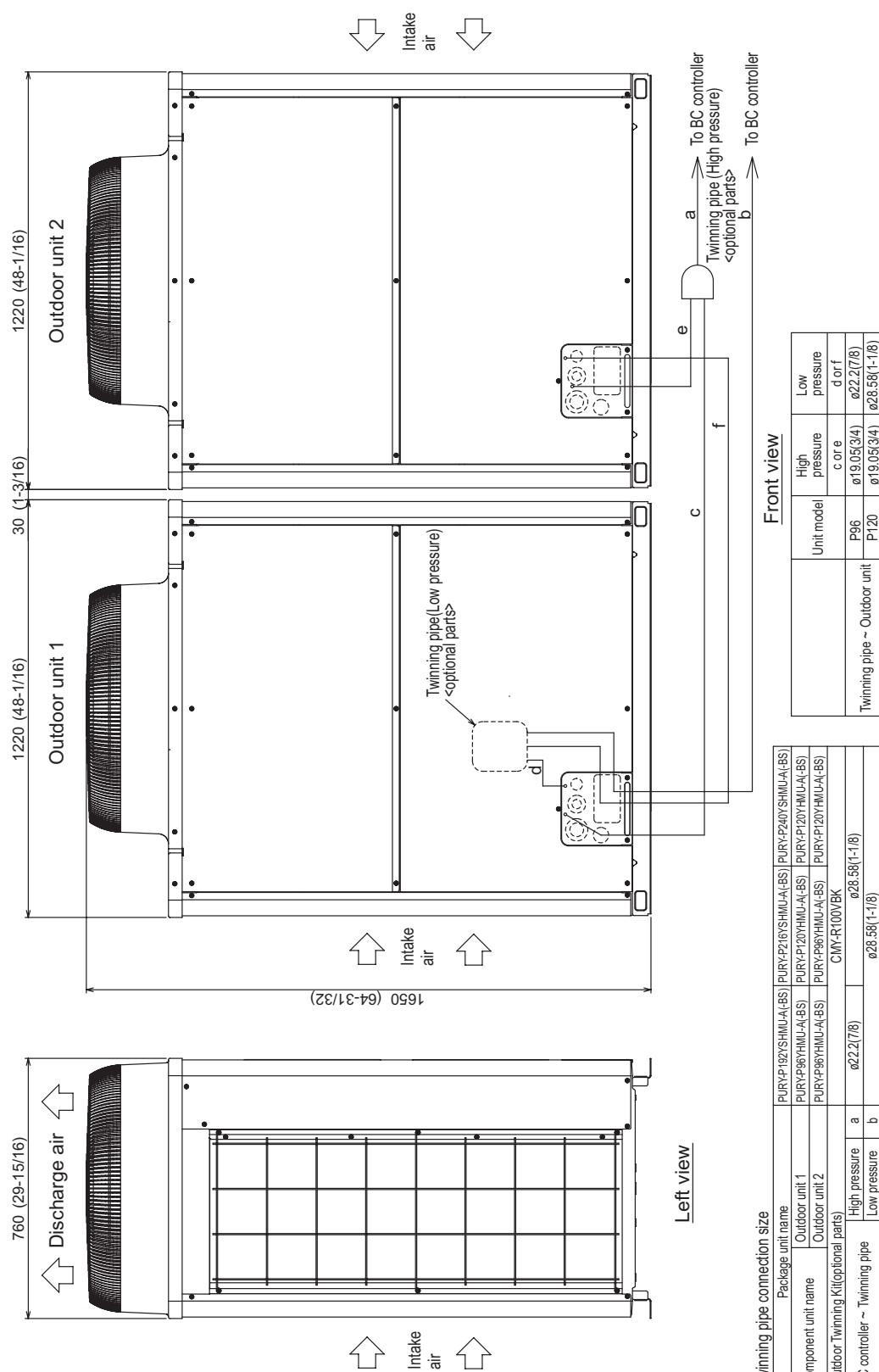
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane.
 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
 4. The pipe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

R2-SERIES

R2-SERIES

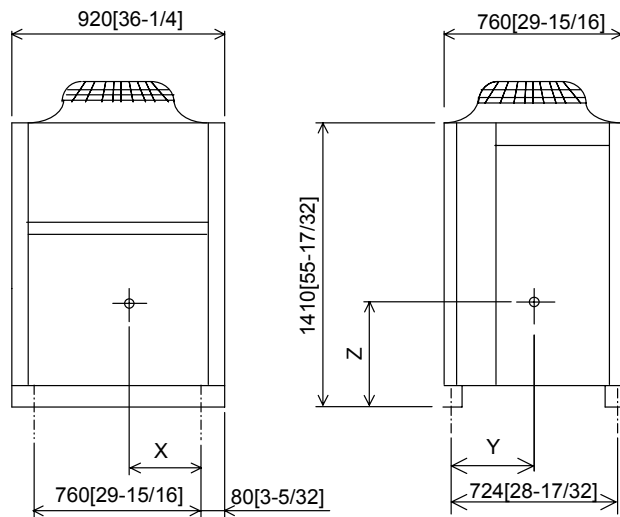
PURY-P192,216,240YSHMU-A(-BS)

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



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

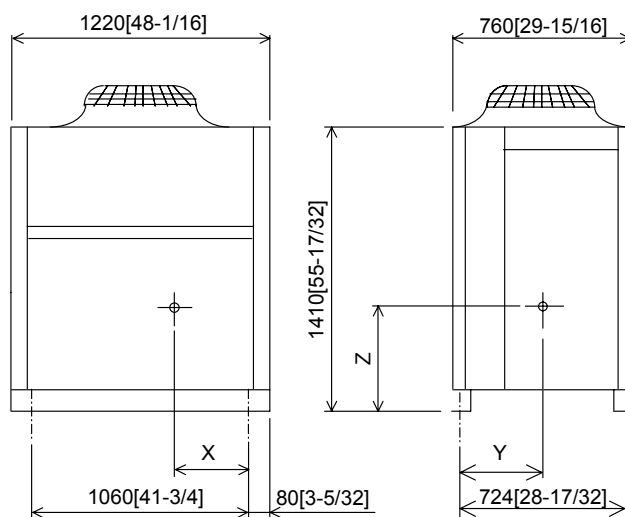
PURY-P72THMU-A (-BS)
PURY-P72YHMU-A (-BS)



Unit : mm[in]

Model	X	Y	Z
PURY-P72THMU-A (-BS)	345[13-19/32]	332[13-3/32]	595[23-7/16]
PURY-P72YHMU-A (-BS)	338[13-5/16]	325[12-13/16]	608[23-15/16]

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



Unit : mm[in]

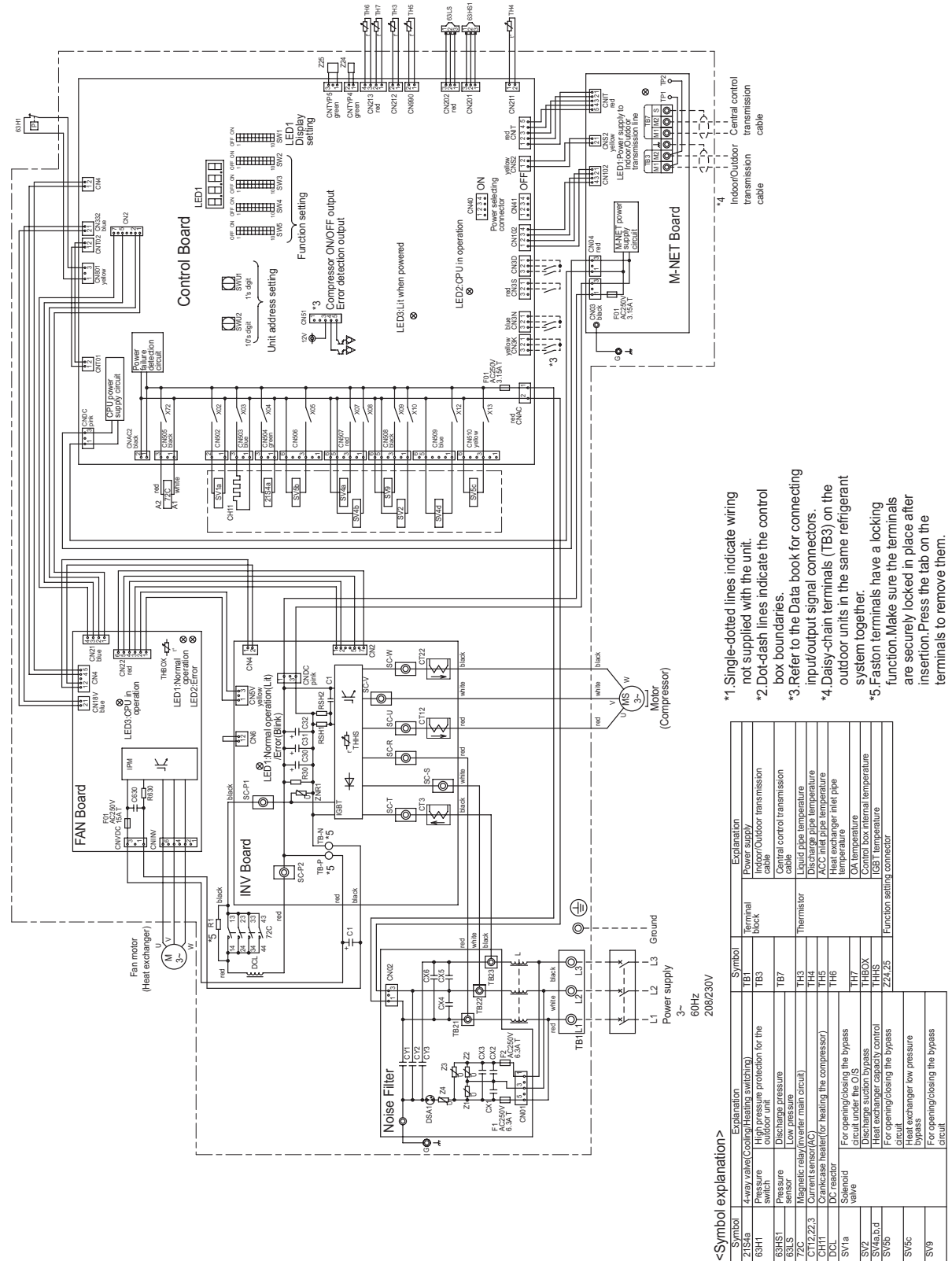
Model	X	Y	Z
PURY-P96THMU-A (-BS)	450[17-23/32]	322[12-11/16]	570[22-15/32]
PURY-P120THMU-A (-BS)	450[17-23/32]	322[12-11/16]	570[22-15/32]
PURY-P96YHMU-A (-BS)	440[17-11/32]	315[12-13/32]	583[22-31/32]
PURY-P120YHMU-A (-BS)	440[17-11/32]	315[12-13/32]	583[22-31/32]

Ref. : PURY_YHMU-A_COG_USDB_ALL

PURY-P72THMU-A-(BS)

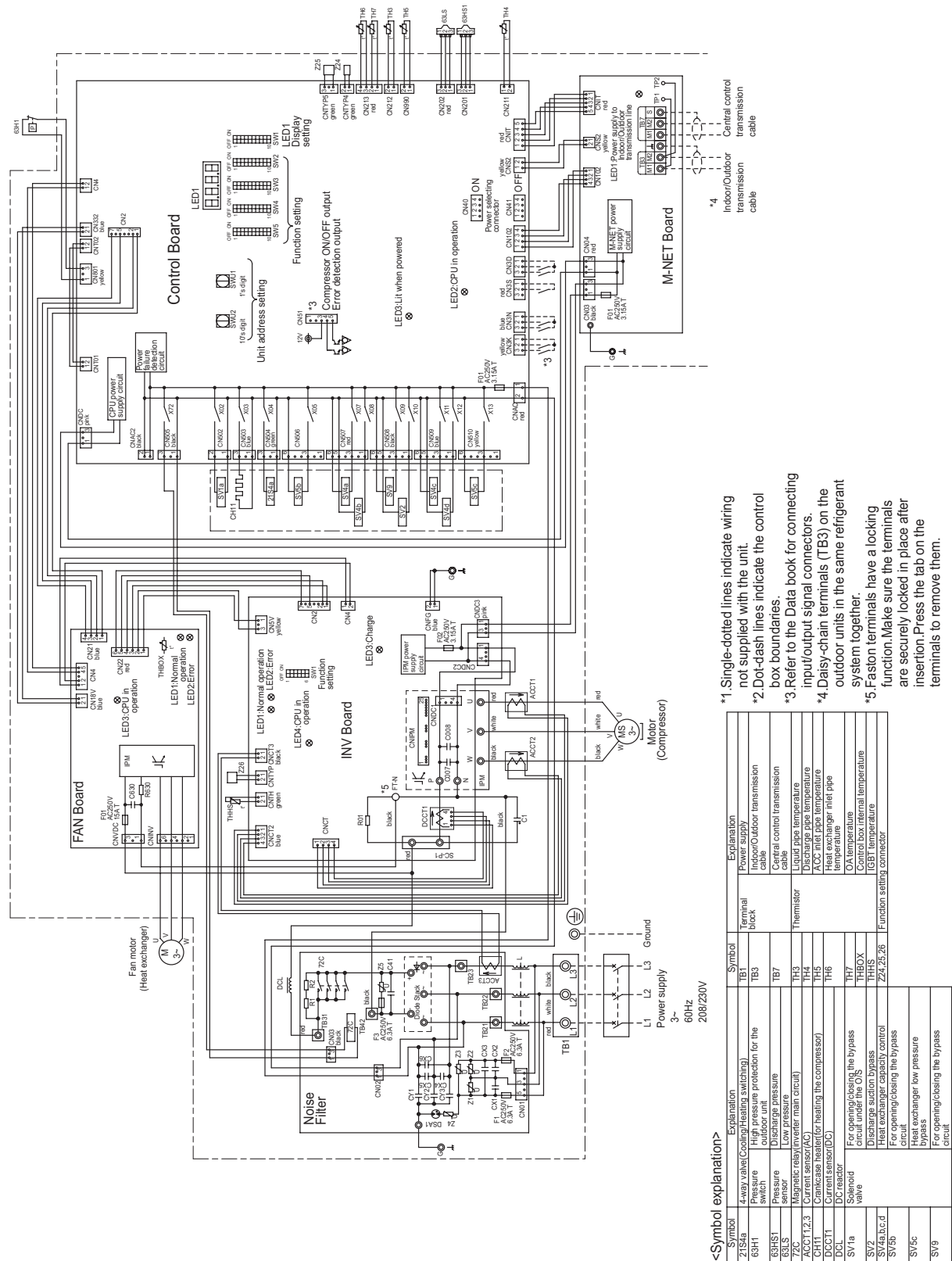
Ref.:PURY_THMU-A_EWD_USDB_P72

R2-SERIES



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

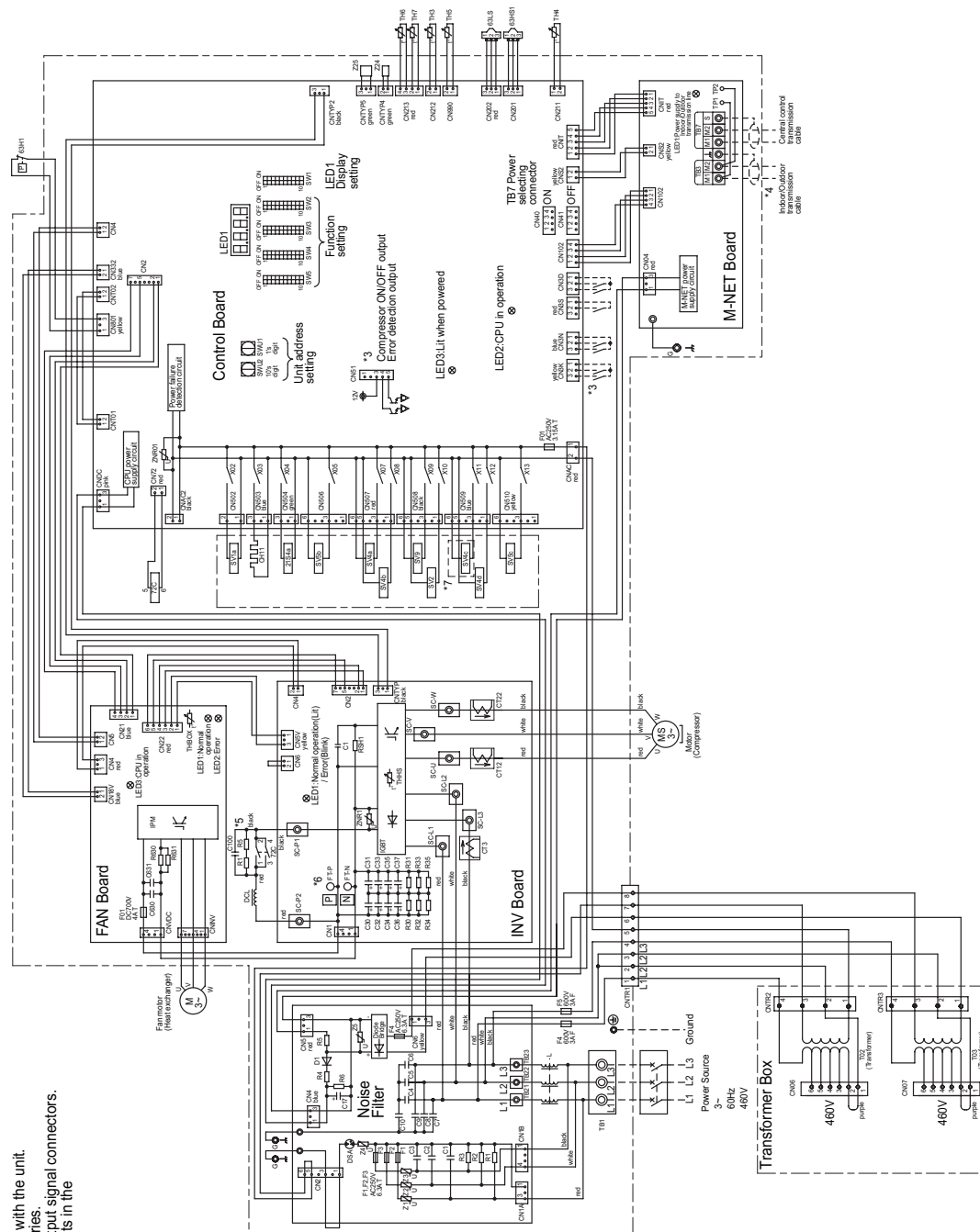
Ref.:PURY_THMU-A_EWD_USDB_P96-120



PURY-P72,96,120YHMu-A(-BS)

Ref.:PURY_YHMu-A_EWD_USDB_P72-120

R2-SERIES

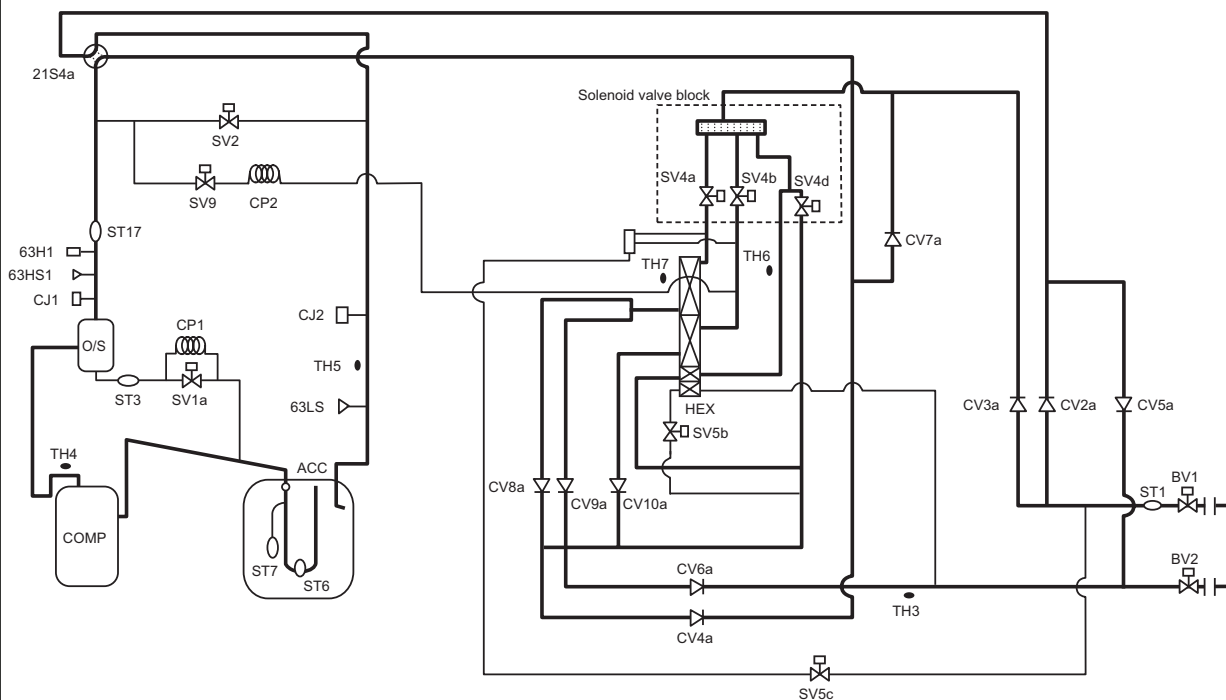
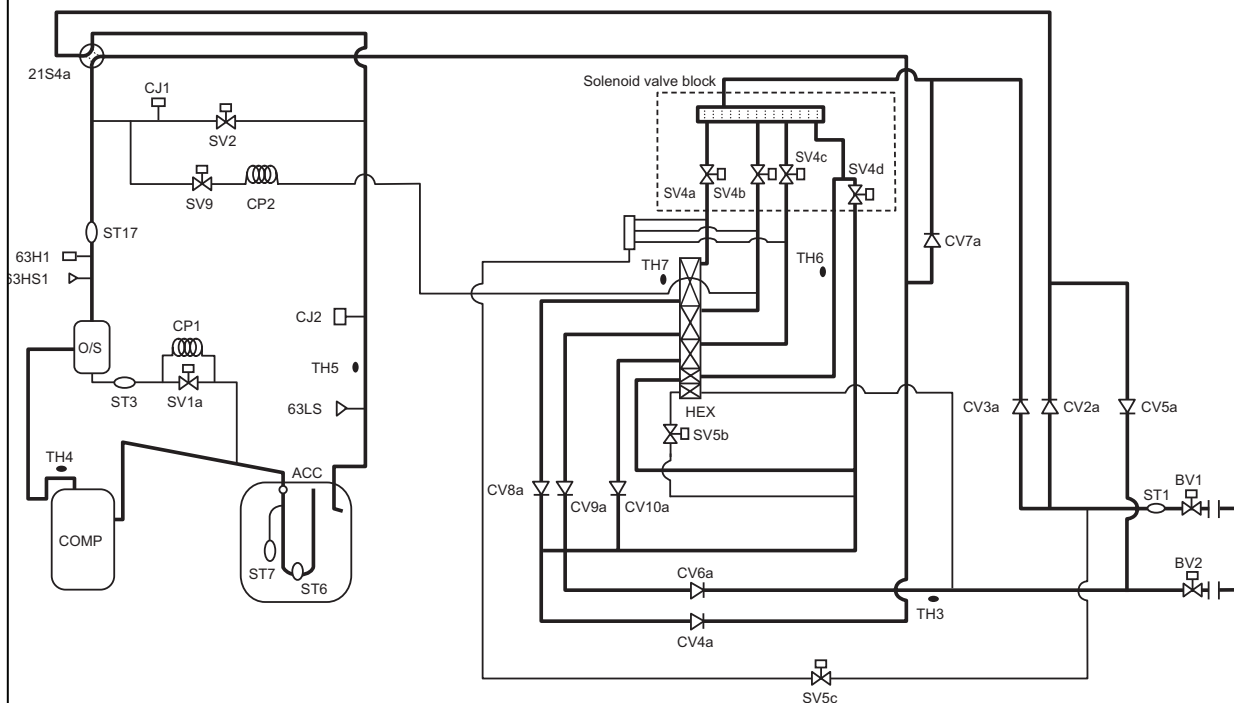


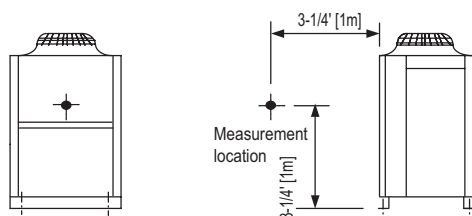
- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *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 DC200V or less.
- *7. Difference of appliance

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

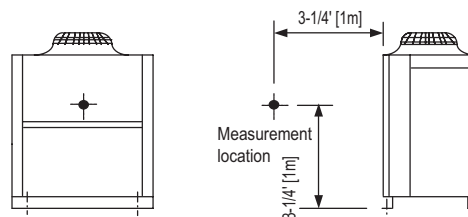
<Symbol explanation>

Symbol	Explanation
21SA4	4-way valve(Cooling/Heating switching)
63H1	Pressure switch
63HS1	Pressure sensor
6SL3	High pressure sensor
CT12.22.3	Capacitor (after main circuit)
CH11	Compressor (for heating the compressor)
DC1	DC reactor
SV1a	Solenoid valve
SV2	For opening/closing the bypass circuit under the O/S
SV4a,b,c,d	Discharge suction bypass
SV5b	Heat exchanger capacity control
SV5c	For opening/closing the bypass circuit
SV5d	Heat exchanger low pressure bypass
SV9	For opening/closing the bypass circuit
TB1	Product supply
TB3	Indoor/Outdoor transmission cable
TB7	Central control transmission cable
TH3	Liquid pipe temperature
TH4	Gas pipe temperature
TH5	ASG indoor coil temperature
TH6	Heat exchanger inlet pipe temperature
TH7	OA temperature
TH8	Control box internal temperature
TH9S	TB81 temperature
Z24.25	Function setting connector

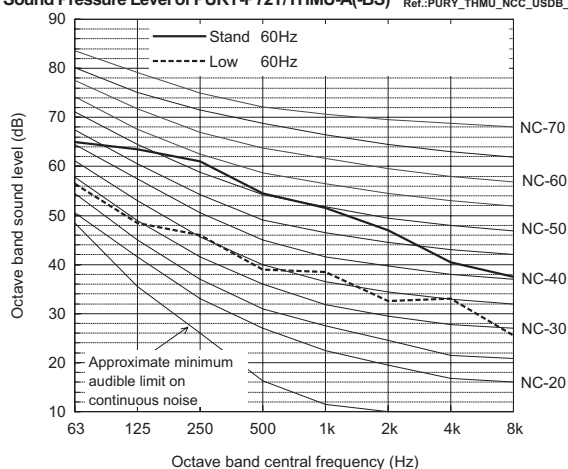
PURY-P72THMU/YHMU(-BS) Model**PURY-P96,P120THMU/YHMU(-BS) Models****R2-SERIES**

Measurement condition
PURY-P72THMU/YHMU


Ref.:PURY_THMU_NCC_USDB_R1

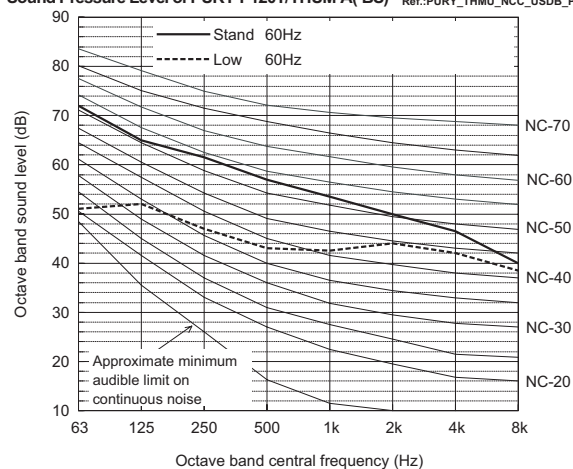
Measurement condition
PURY-P96,120THMU/YHMU


Ref.:PURY_THMU_NCC_USDB_R2

Sound Pressure Level of PURY-P72T/YHMU-A(-BS) Ref.:PURY_THMU_NCC_USDB_P72


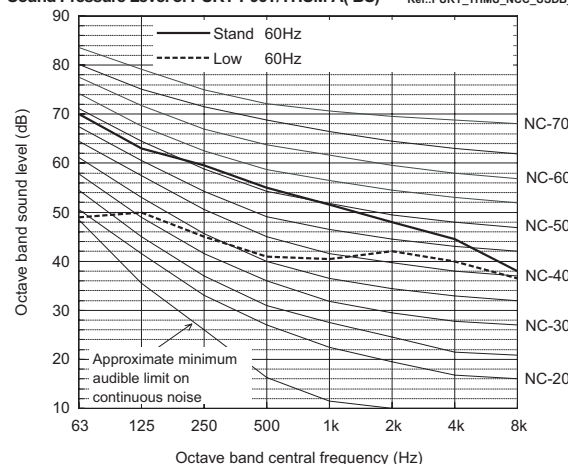
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	65.0	63.5	61.0	54.5	51.5	47.0	40.5	37.5	58.0
Low noise mode	60Hz	56.5	48.5	46.0	39.0	38.5	32.5	33.0	25.5	44.0

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

Sound Pressure Level of PURY-P120T/YHUM-A(-BS) Ref.:PURY_THMU_NCC_USDB_P120


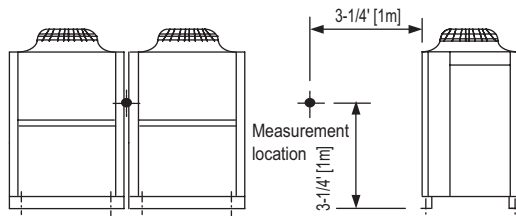
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	72.0	65.0	61.5	57.0	53.5	50.0	46.5	40.0	60.0
Low noise mode	60Hz	51.0	52.0	47.0	43.0	42.5	44.0	42.0	38.5	50.0

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

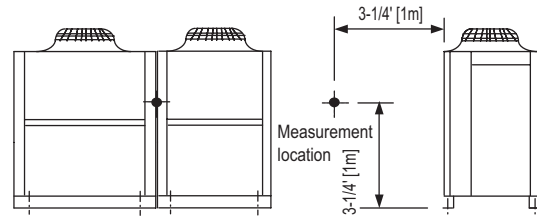
Sound Pressure Level of PURY-P96T/YHUM-A(-BS) Ref.:PURY_THMU_NCC_USDB_P96


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

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

Measurement condition
PURY-P144TSHMU/YSHMU


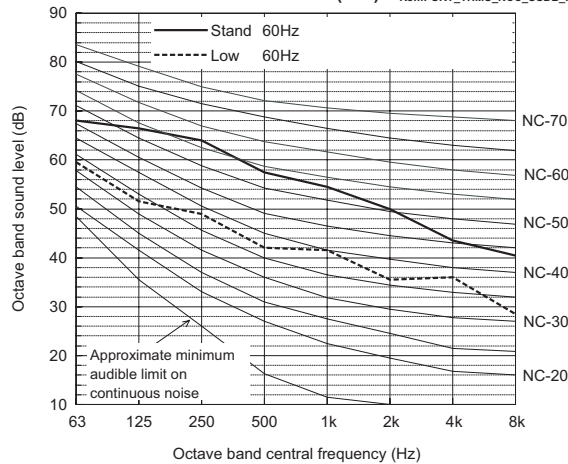
Ref.:PURY_THMU_NCC_USDB_R3

Measurement condition
PURY-P168TSHMU/YSHMU


Ref.:PURY_THMU_NCC_USDB_R4

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

Ref.:PURY_THMU_NCC_USDB_P144

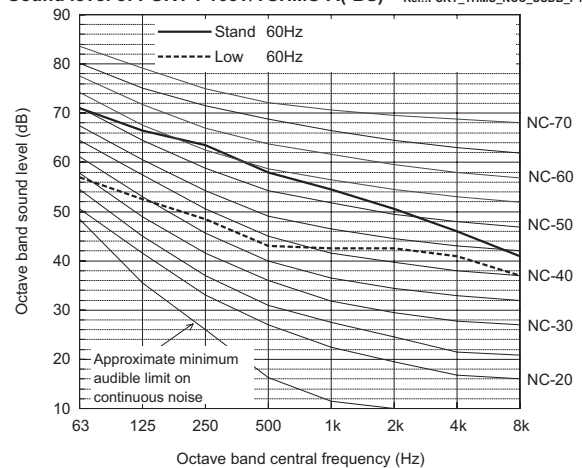


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	68.0	66.5	64.0	57.5	54.5	50.0	43.5	40.5	61.0
Low noise mode	60Hz	59.5	51.5	49.0	42.0	41.5	35.5	36.0	28.5	47.0

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

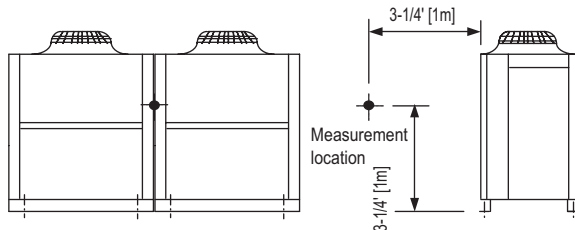
Sound level of PURY-P168T/YSHMU-A(-BS)

Ref.:PURY_THMU_NCC_USDB_P168

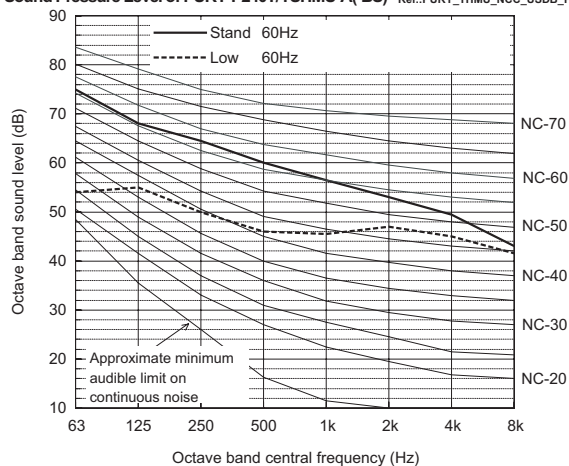


		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	71.0	66.5	63.5	58.0	54.5	50.5	46.0	41.0	61.0
Low noise mode	60Hz	57.0	52.5	48.5	43.0	42.5	42.5	41.0	37.0	49.5

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

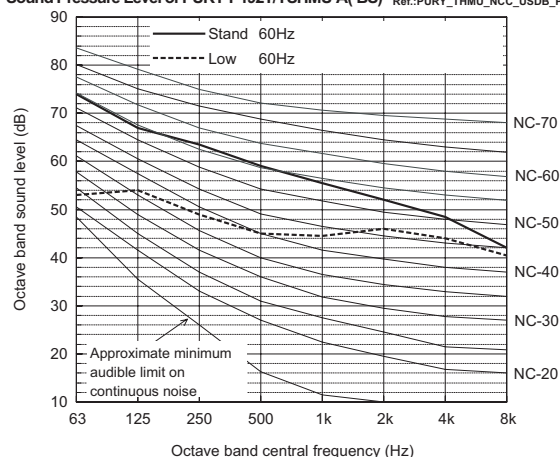
Measurement condition
PURY-P192,216,240TSHMU/YSHMU


Ref.:PURY_THMU_NCC_USDB_R5

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


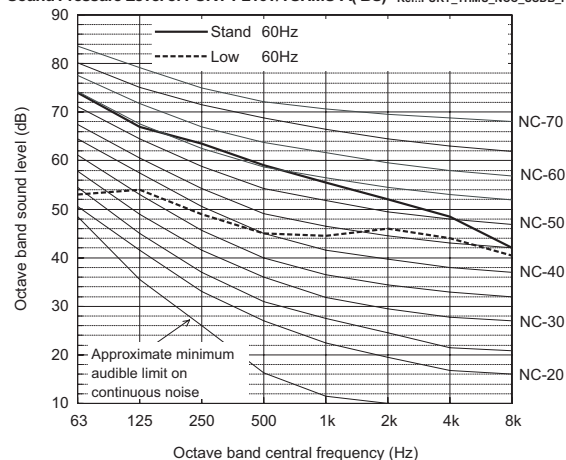
		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	60Hz	75.0	68.0	64.5	60.0	56.5	53.0	49.5	43.0	63.0
Low noise mode	60Hz	54.0	55.0	50.0	46.0	45.5	47.0	45.0	41.5	53.0

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

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


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

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

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


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

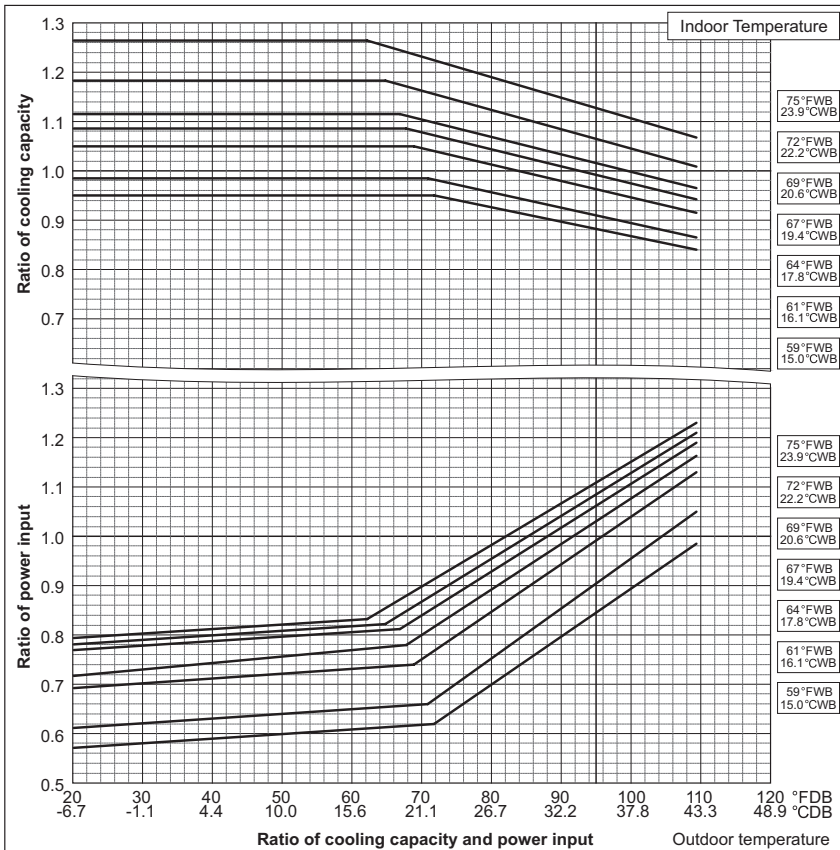
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

7-1. Correction by Temperature

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

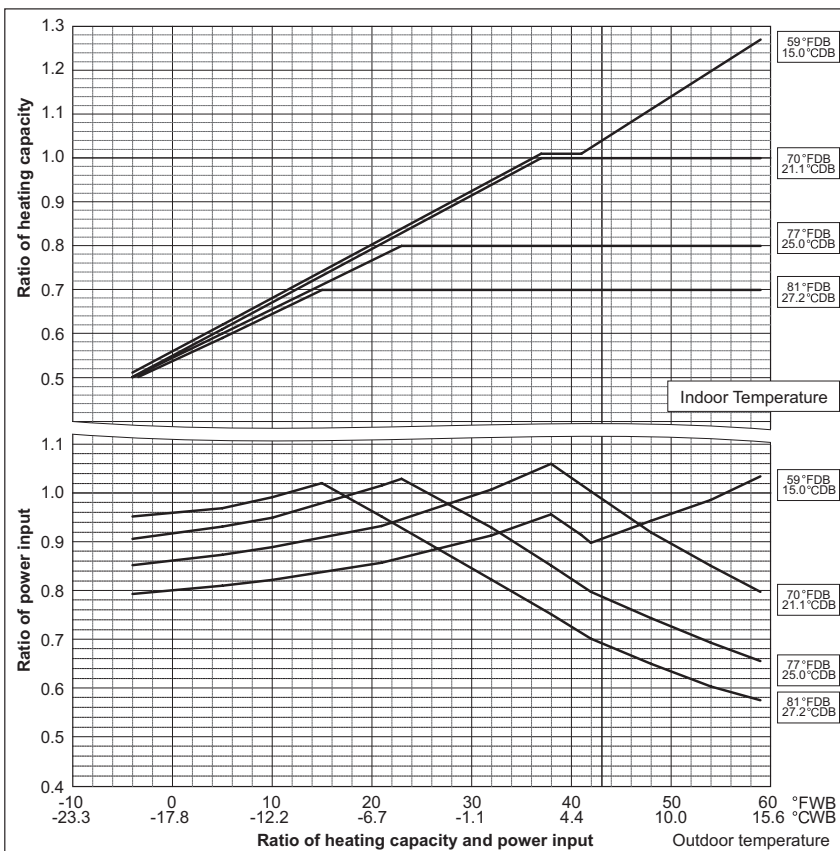
PURY-	P72THMU	P96THMU
Nominal Cooling Capacity	kW 21.1	28.1
	BTU/h 72,000	96,000
Input	kW 5.55	8.35

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



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

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



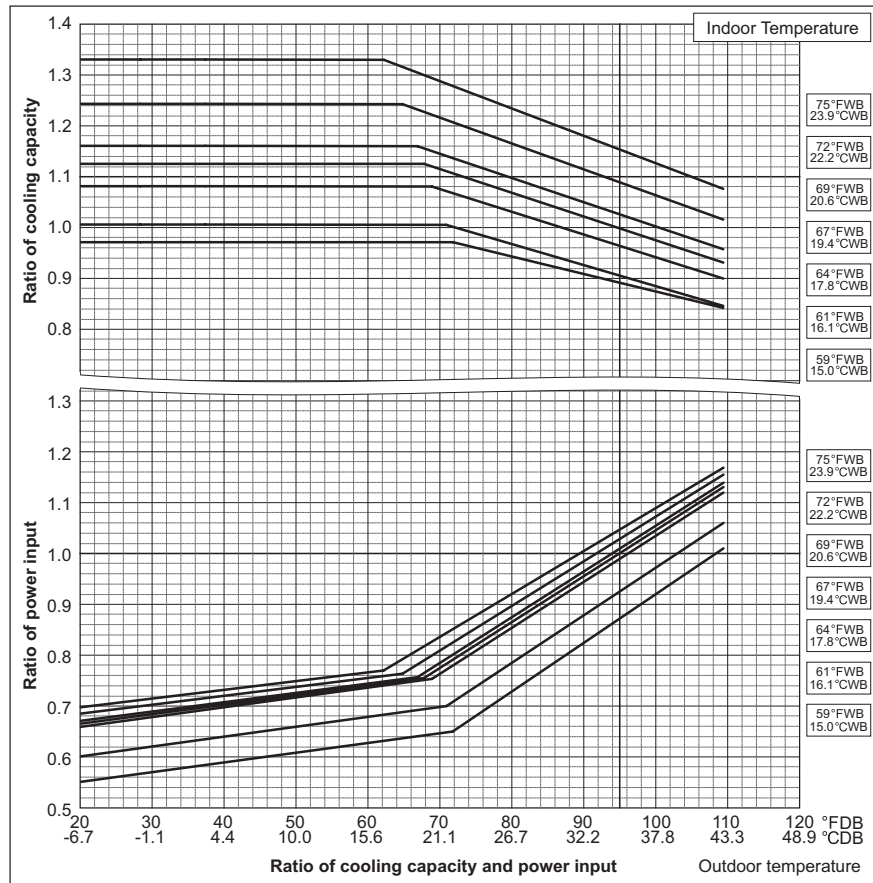
Ref: PURY_THMU_C10_USDB_P72-96

7. CAPACITY TABLES

DATA U4

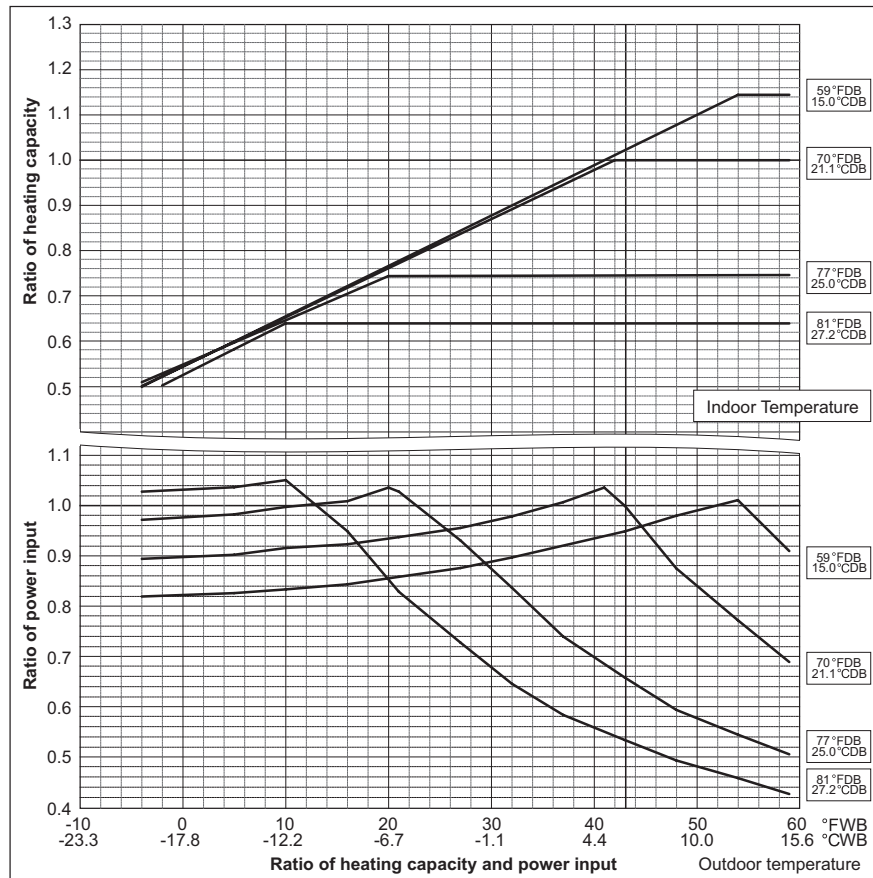
PURY-		P120THMU	
Nominal Cooling Capacity	kW	35.2	
	BTU/h	120,000	
Input	kW	10.59	

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



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

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



Ref: PURY_THMU_C10_USDB_P120

7. CAPACITY TABLES

DATA U4

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

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

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

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

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

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

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

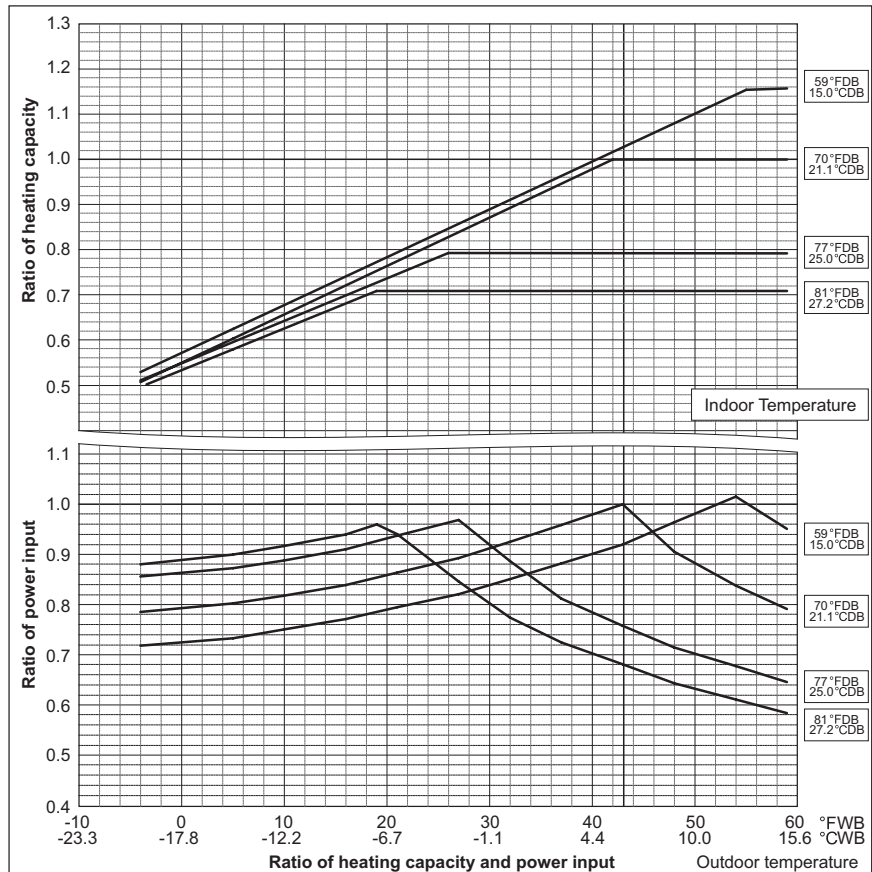
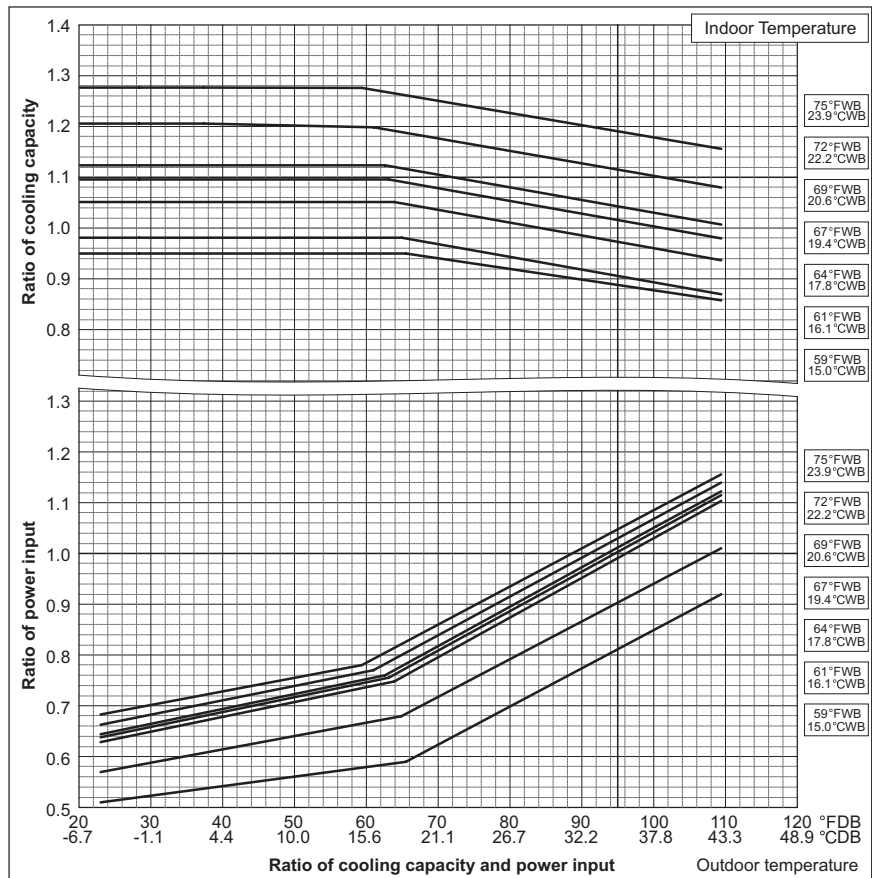
PURY- P192TSHMU P216TSHMU			
Nominal Heating Capacity	kW	58.6	66.8
	BTU/h	200,000	228,000
Input	kW	15.85	19.38

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

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

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

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

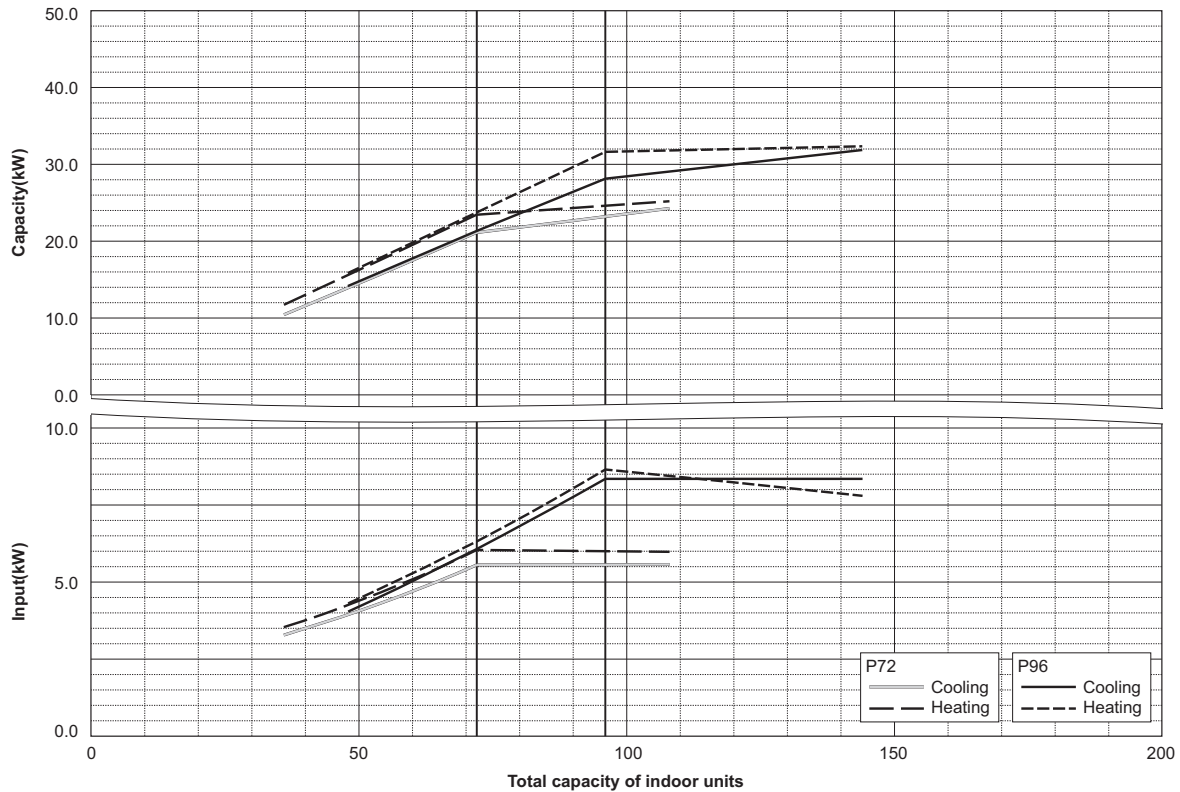


Ref: PURY_THMU_C10_USDB_P144-240

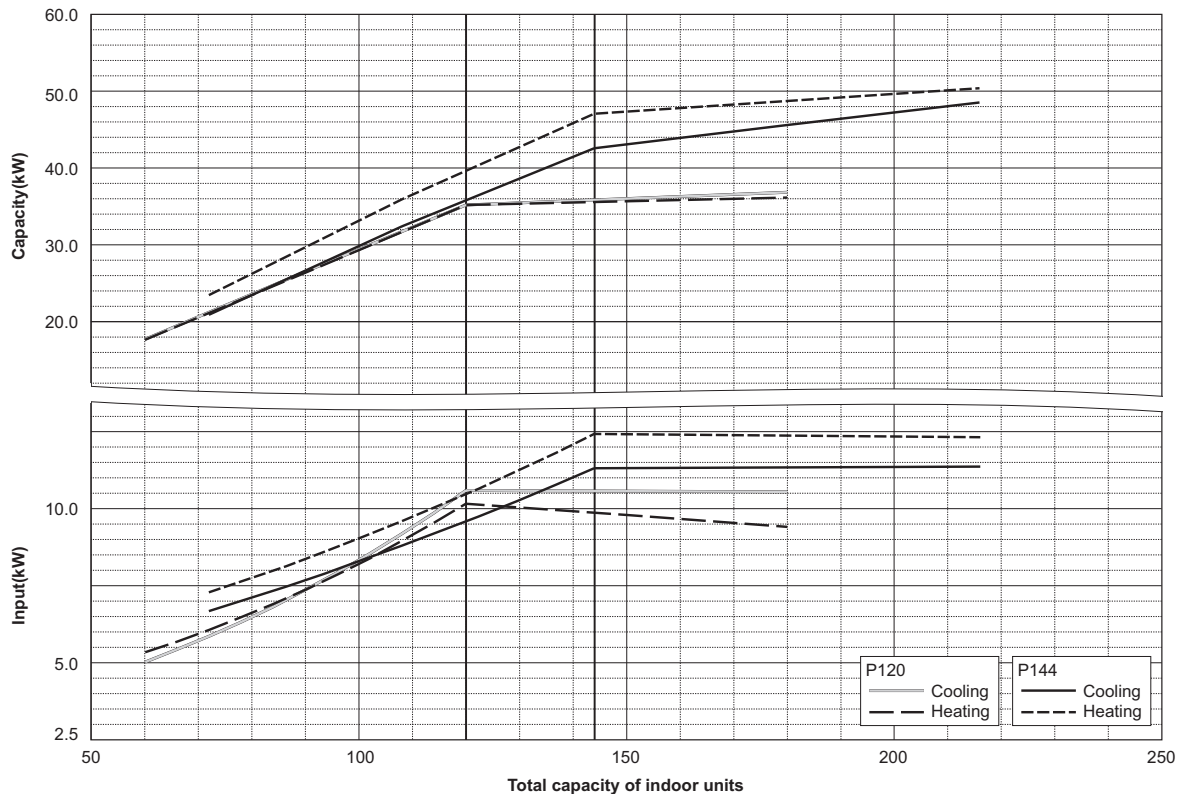
7-2. Correction by Total Indoor

CITY MULTI 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.

PURY-P72,96THMU/YHMU

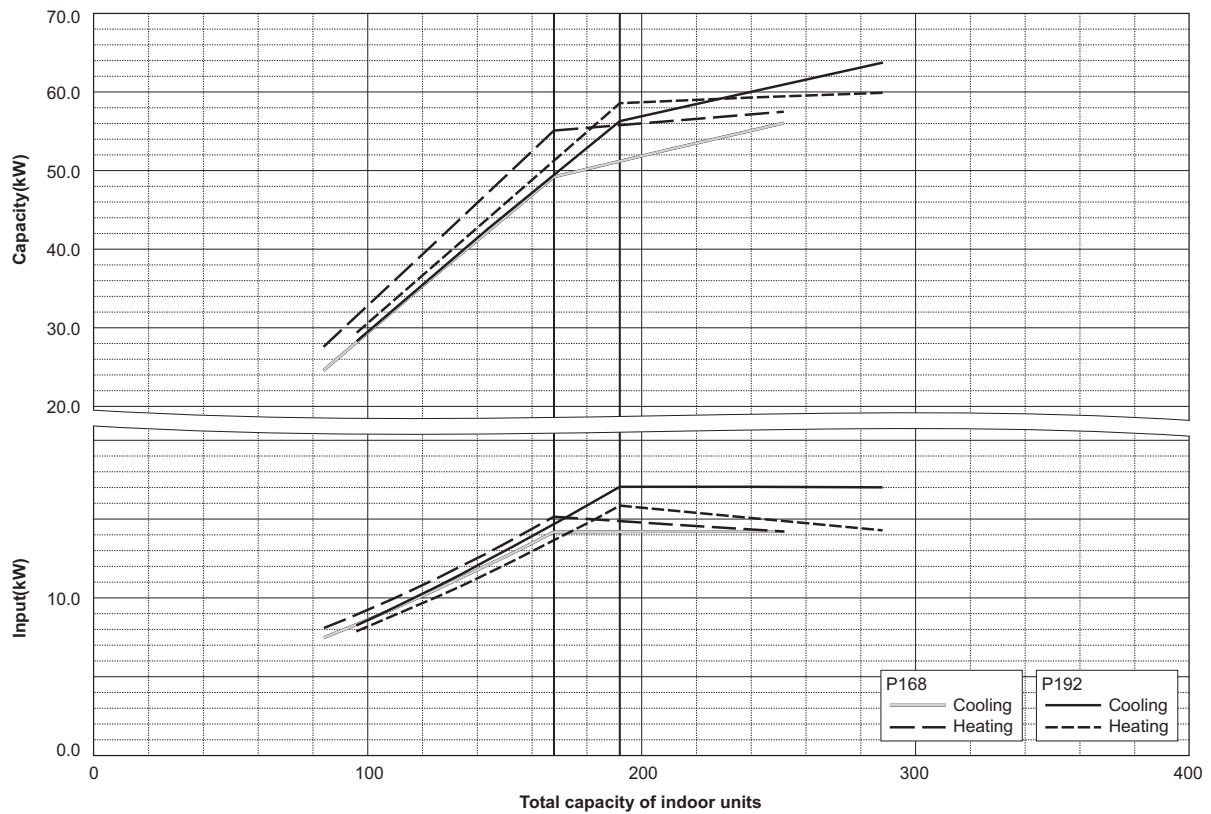


PURY-P120,144T(S)H MU/Y(S)H MU

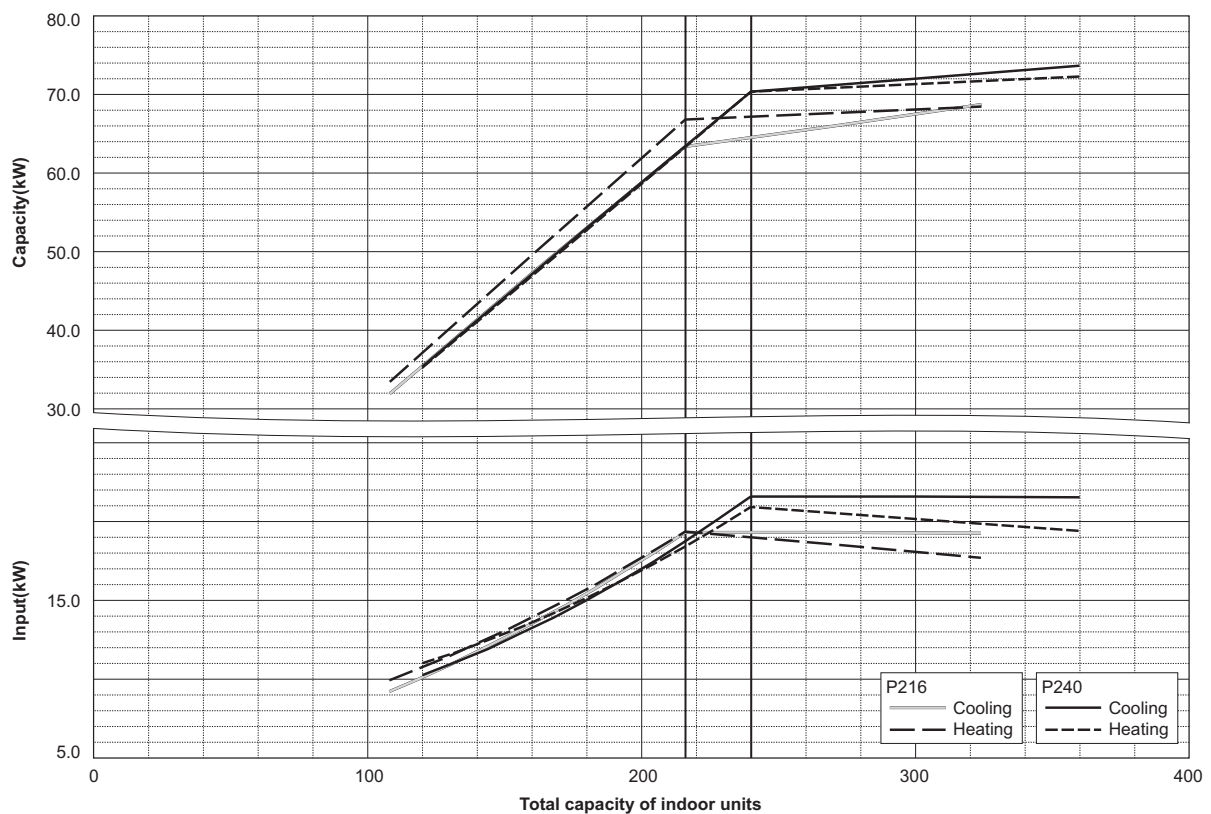


Ref: PURY_THMU_C20_USDB_P72-144

PURY-P168,192TSHMU/YSHMU



PURY-P216,240TSHMU/YSHMU



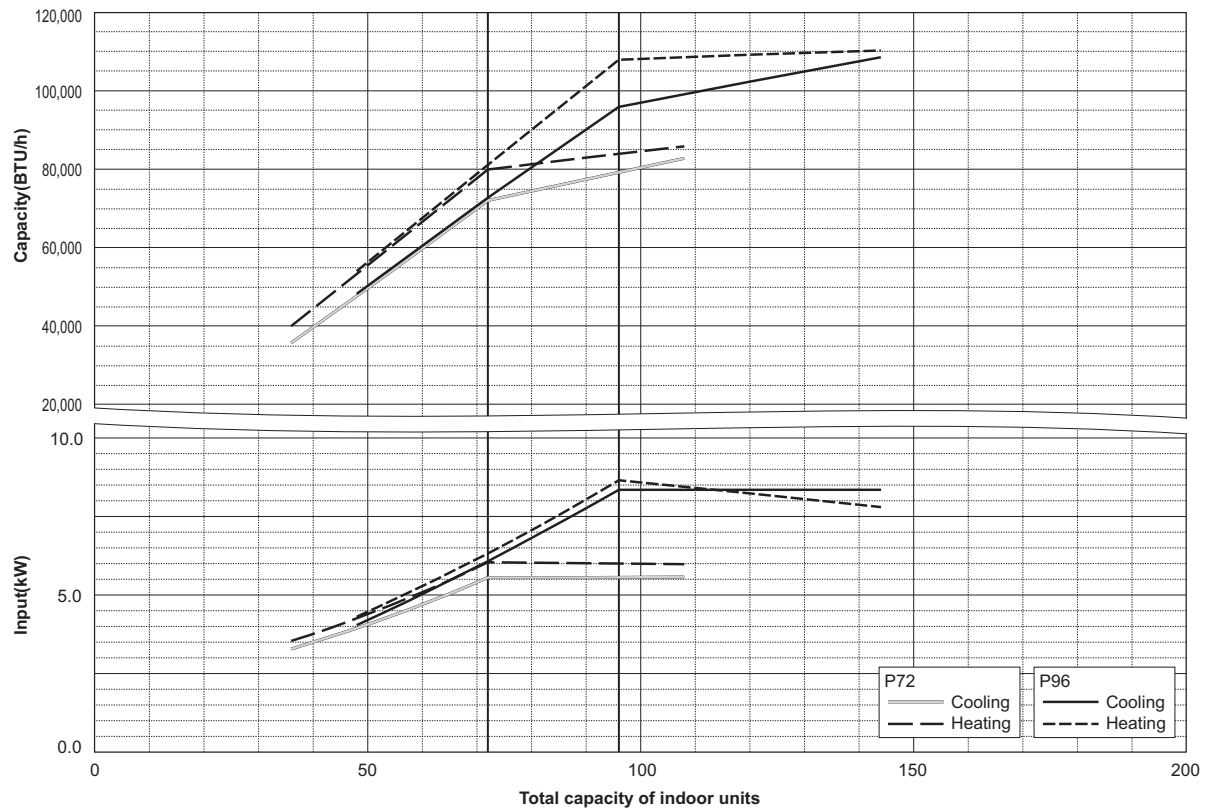
Ref: PURY_THMU_C20_USDB_P168-240

7. CAPACITY TABLES

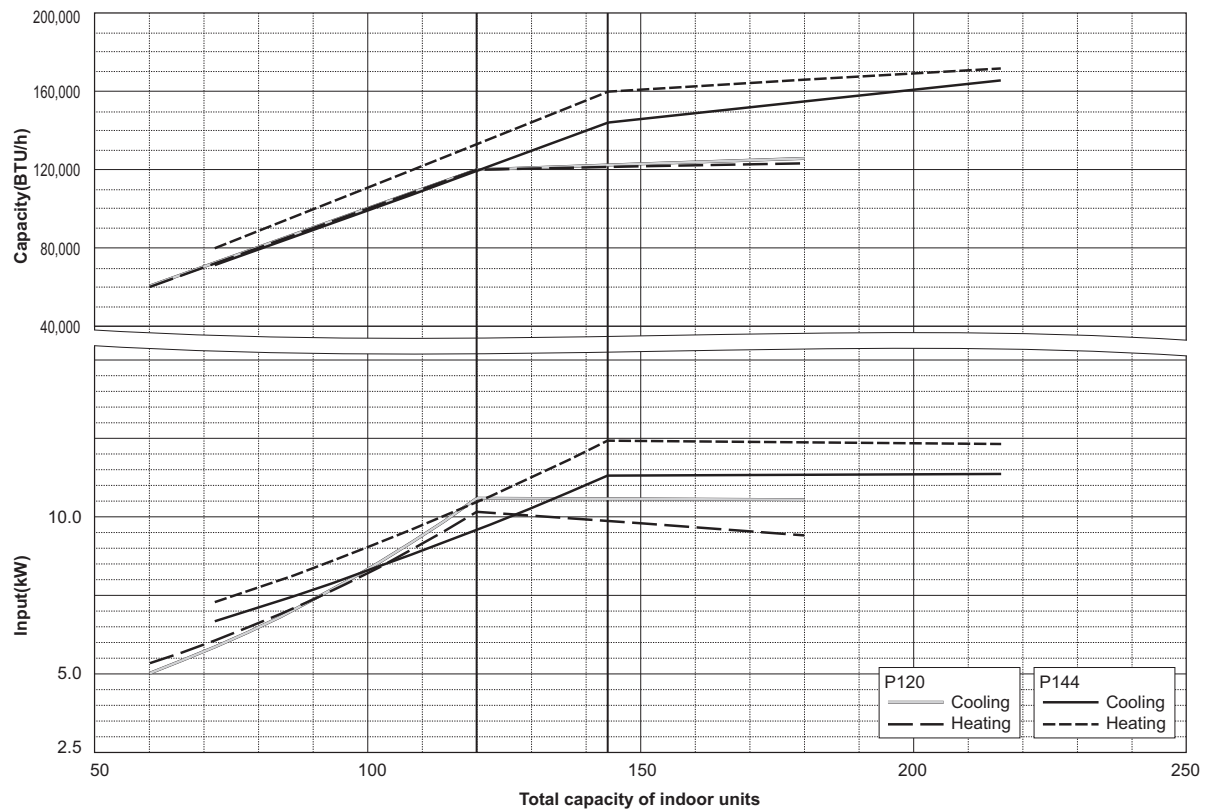
DATA U4

R2-SERIES

PURY-P72,96THMU/YHMU

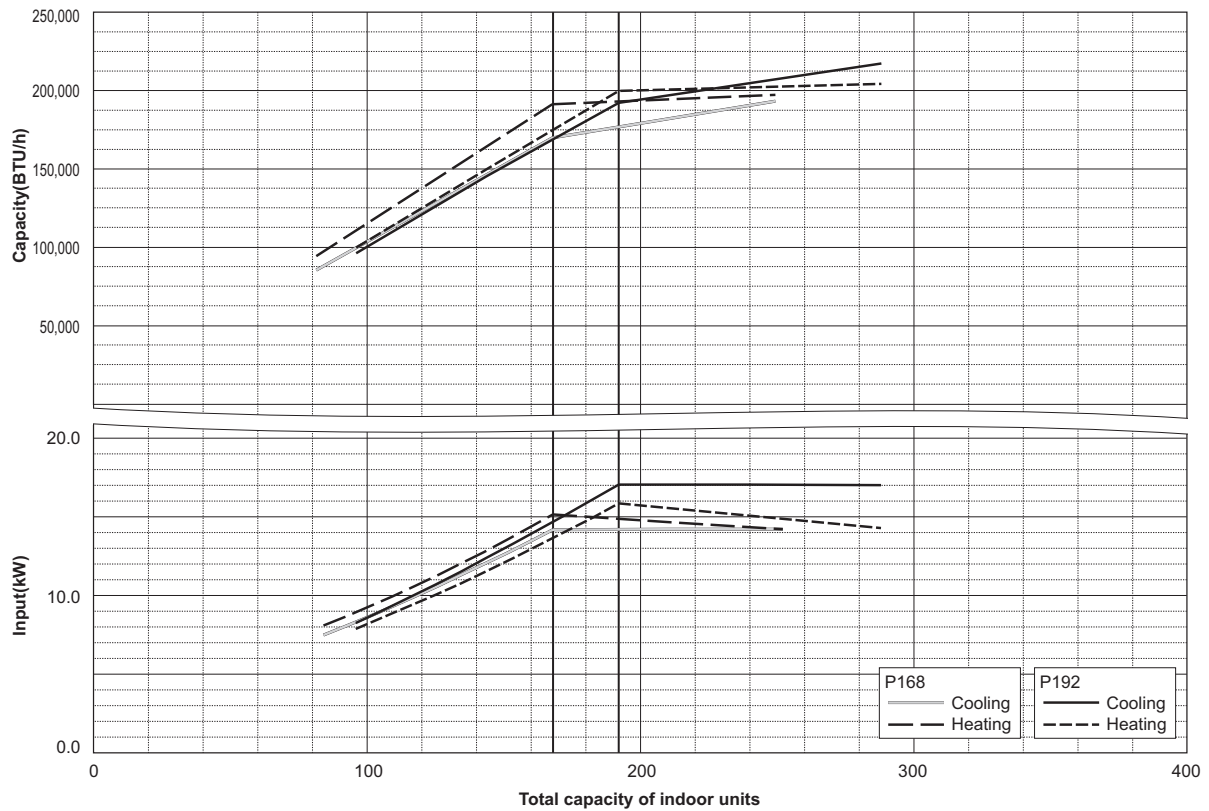


PURY-P120,144T(S)HMU/Y(S)HMU

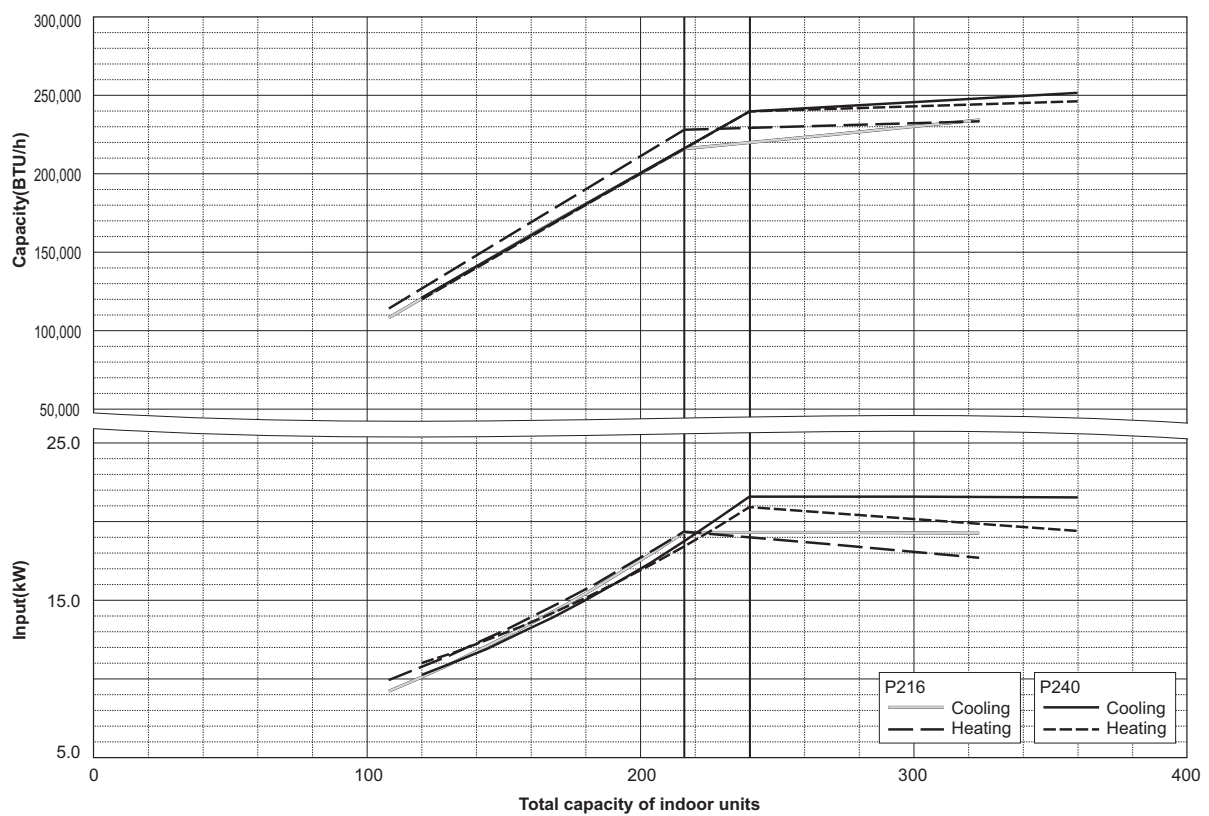


Ref: PURY THMU_C20 USB P72-144 2

PURY-P168,192TSHMU/YSHMU



PURY-P216,240TSHMU/YSHMU



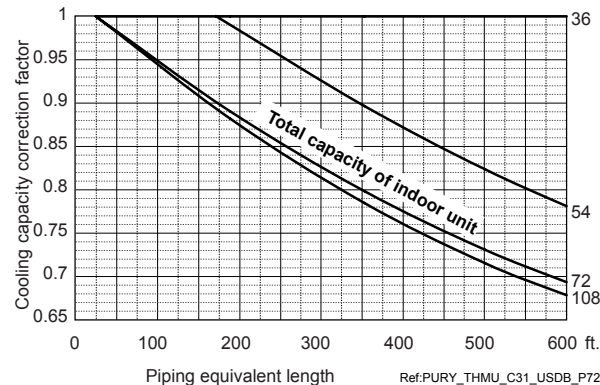
Ref: PURY_THMU_C20_USDB_P168-240_2

7-3. Correction by Refrigerant Piping Length

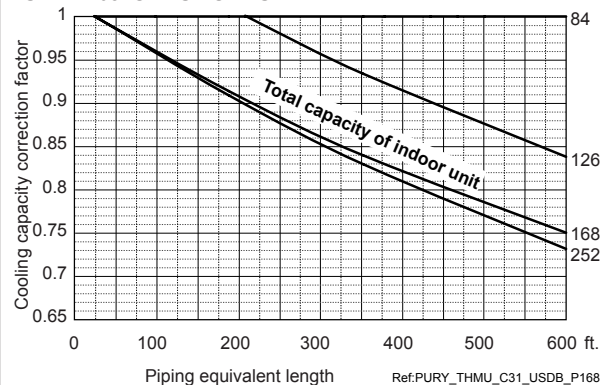
CITY MULTI systems can have extended piping lengths if certain limitations are followed, but cooling/heating capacity could be reduced. Using the following correction factor by equivalent piping length shown at 7-3-1 and 7-3-2, capacity can be found. 7-3-3 shows how to obtain the equivalent piping length.

7-3-1. Cooling Capacity Correction

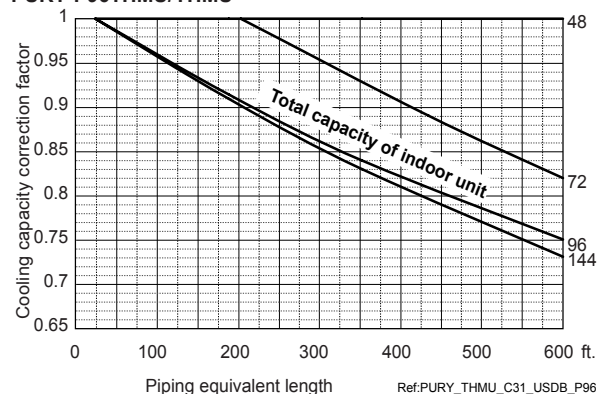
PURY-P72THMU/YHMU



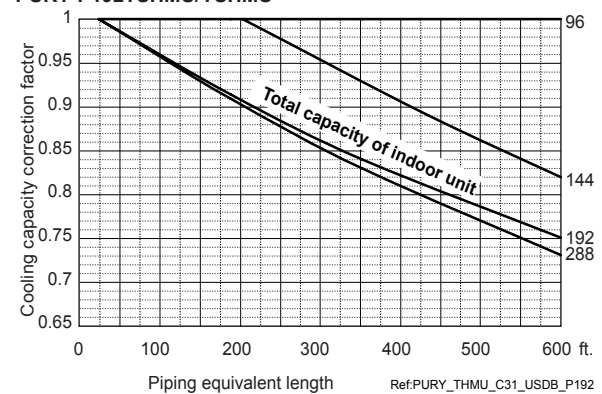
PURY-P168TSHMU/YSHMU



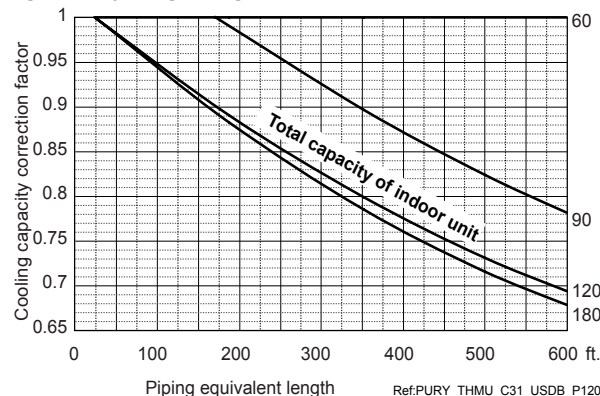
PURY-P96THMU/YHMU



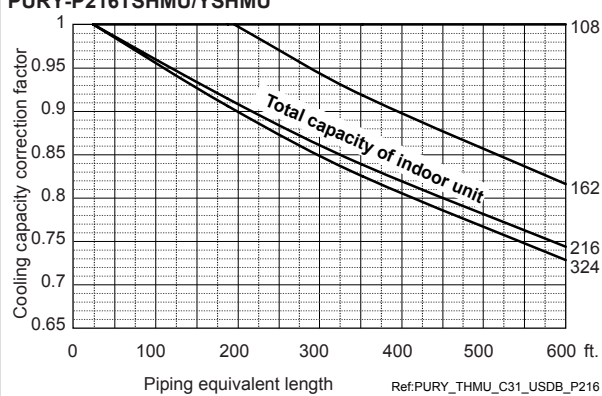
PURY-P192TSHMU/YSHMU



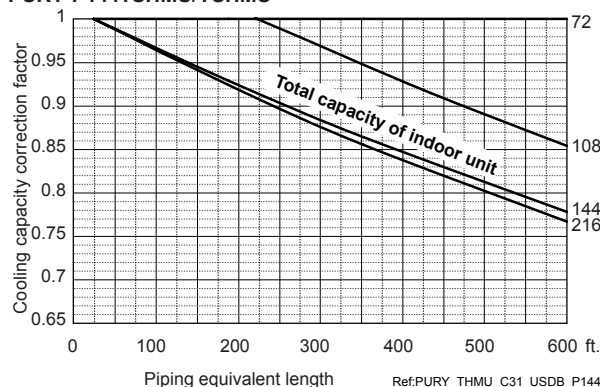
PURY-P120THMU/YHMU



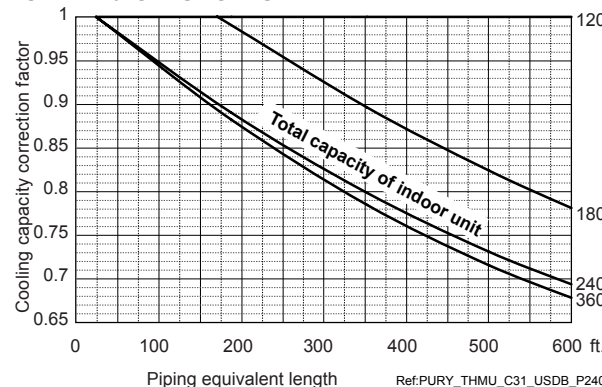
PURY-P216TSHMU/YSHMU



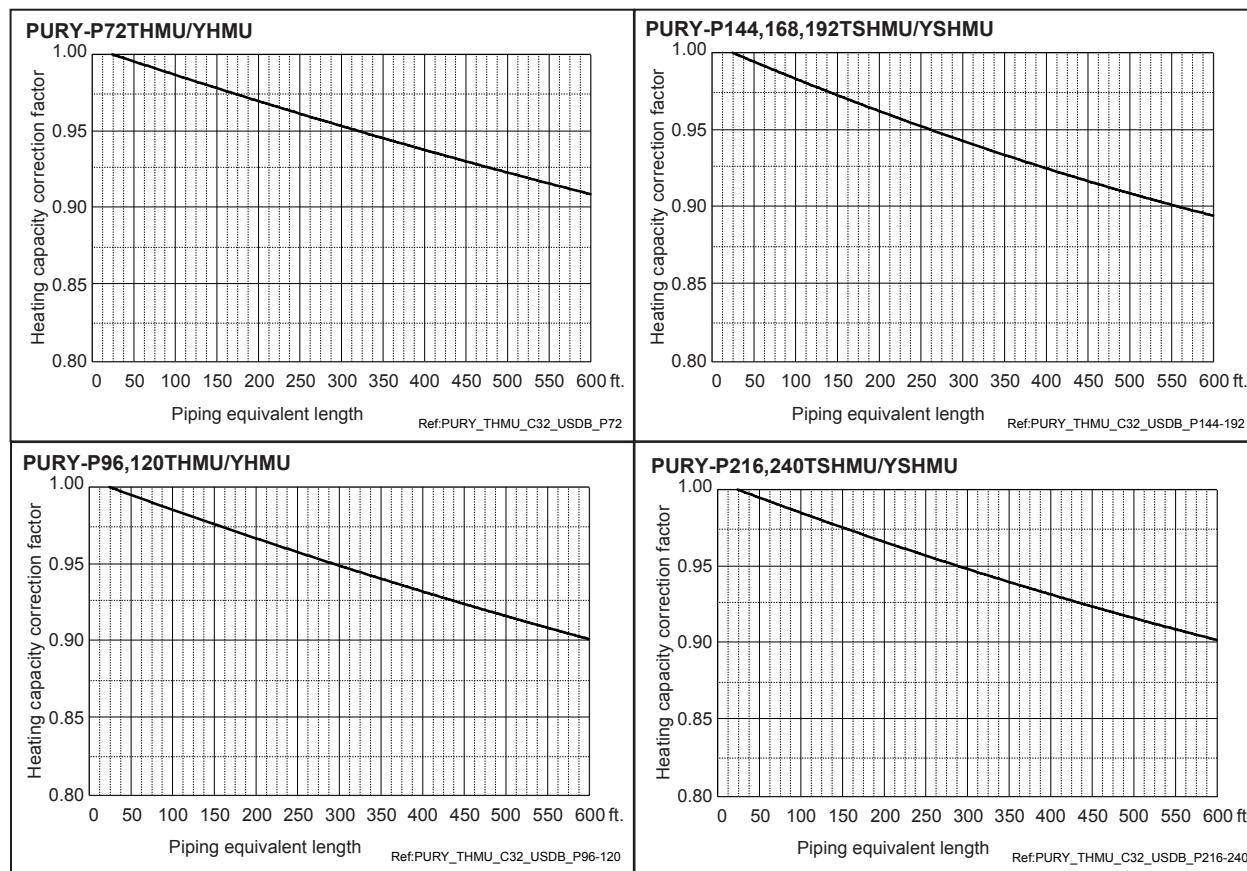
PURY-P144TSHMU/YSHMU



PURY-P240TSHMU/YSHMU



7-3-2. Heating Capacity Correction



R2-SERIES

7-3-3. How to Obtain the Equivalent Piping Length

1. PURY-P72THMU/YHMU

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

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

2. PURY-P96THMU/YHMU

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

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

3. PURY-P120THMU/YHMU

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

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

4. PURY-P144TSHMU/YSHMU

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

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

5. PURY-P168TSHMU/YSHMU

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

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

6. PURY-P192TSHMU/YSHMU

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

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

7. PURY-P216TSHMU/YSHMU

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

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

8. PURY-P240TSHMU/YSHMU

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

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

7-4. Correction at Frost and Defrost

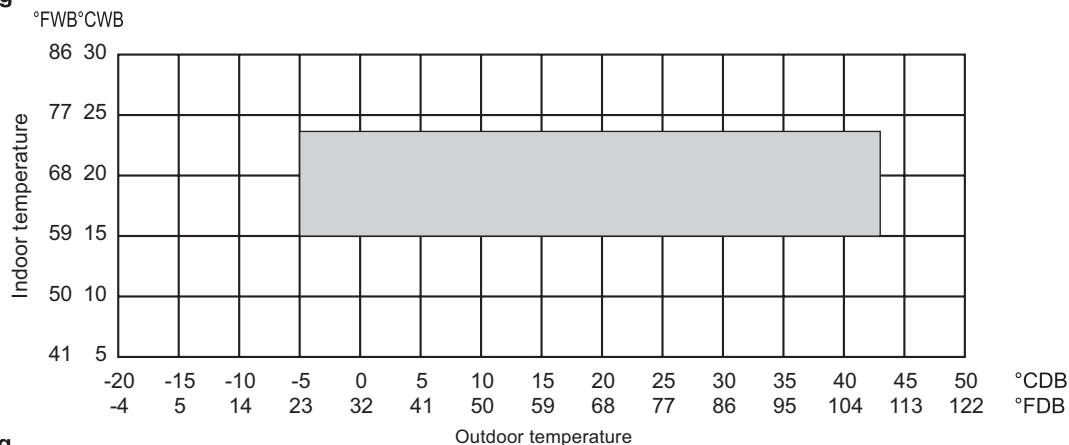
Due to frost on the outdoor heat exchanger and the automatic defrost operation, the heating capacity of the outdoor unit can be calculated by multiplying the correction factor shown in the table below.

Correction Factor Table when Frost and Defrost Occurs

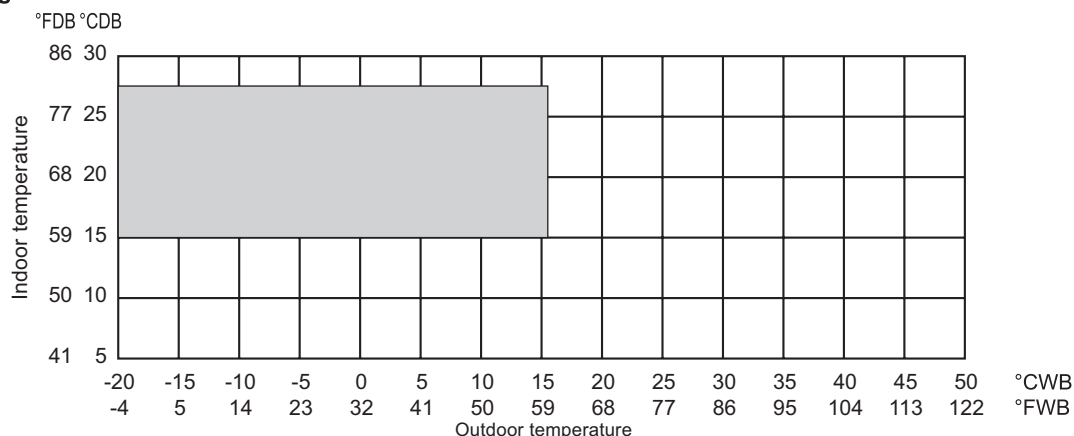
Outdoor inlet air temp. °C WB	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. °F WB	43	39	36	34	32	28	25	21	18	14	-4
PURY-P72THMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P96THMU -A (-BS)	1.00	0.95	0.84	0.83	0.83	0.87	0.90	0.93	0.93	0.93	0.93
PURY-P120THMU -A (-BS)	1.00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

7-5. Operation Temperature Range

• Cooling



• Heating



* Tables above show published performance operation range. Units will try to continue to cool and heat above and below temperature range shown, but there is no published performance data at these ranges.

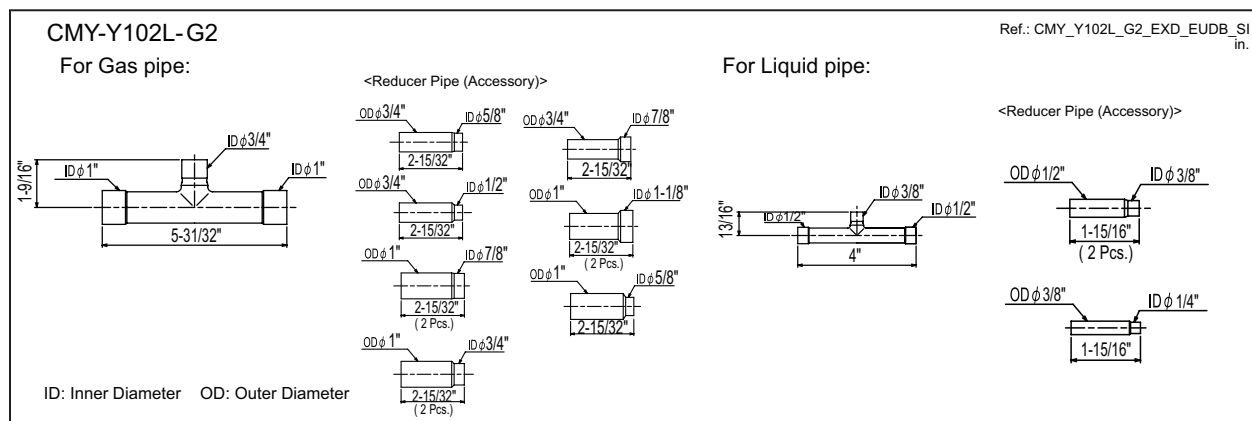
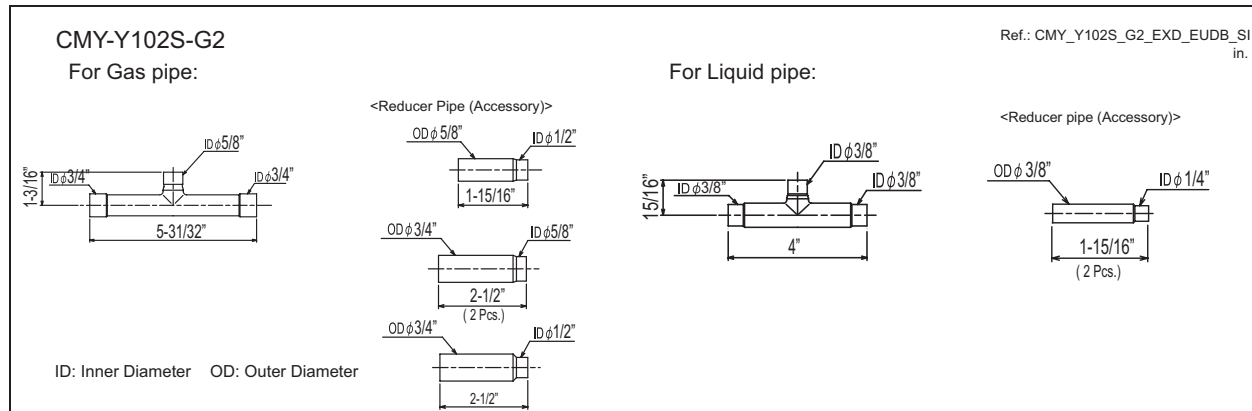
Simultaneous Operation Temperature Ranges

	*Temperature Range	
	Outdoor	Indoor
Cooling Main	23 to 70°FDB (-5 to +21°CDB)	59 to 75°FWB (15 to 24°CWB)
Heating Main	21 to 60°FWB (-5 to +15.5°CWB)	59 to 81°FDB (15 to 27°CDB)

* Depending on the application, these ranges may be extended. Please consult your Mitsubishi representative.

8-1. Branch Joint

Piping for CITY MULTI systems can be easily performed with branch joints provided by MITSUBISHI ELECTRIC CORP. For PURY-P-T(S)H MU/Y(S)H MU, 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.



The outdoor twinning kit is needed to PURY-P-TSHMU/YSHMU to combine the refrigerant flows of the PURY-P-THMU/YHMU units.



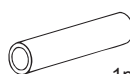
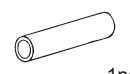
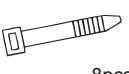
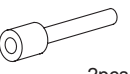
Technical drawing of a distributor. It shows a side view of a cylindrical component with a flange at the right end. A vertical centerline is indicated. A dimension line with arrows at both ends is shown on the left, indicating an angle of $\pm 15^\circ$ from the vertical centerline to the top and bottom edges of the distributor's body. The word "Distributor" is written above the component with a leader line pointing to it.

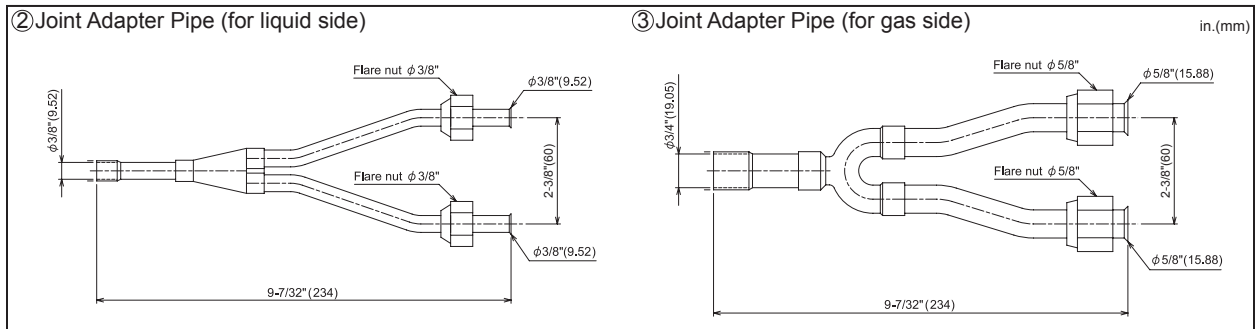
2. Use the attached pipe to braze the port-opening of the distributor.
3. Pipe diameter is indicated by inside diameter.
4. Only use the Twinning pipe by Mitsubishi (optional parts).

8-3. Joint Adapter Kit CMY-R160J for BC Controller

Joint Adapter Kit CMY-R160J for BC Controllers is used to combine two ports of the BC Controller for a PURY-P-T(S)HMU/ Y(S)HMU system to enable downstream indoor unit capacity above P54 as shown in Figure 1.

The Joint Adapter Kit includes following items:

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



1. Designing CMY-R160J to a PURY-P-T(S)HMU/ Y(S)HMU System

The maximum downstream indoor unit capacity for one port on a BC Controller is P54. When the downstream indoor unit capacity is above P54, Joint Adapter Kit CMY-R160J is needed to combine two ports on a BC Controller to enlarge the capacity; see Groups 2 and 3 in Figure 1.

A maximum of three indoor units are allowed to connect to one port of a BC Controller or two combined ports of a BC Controller using CMY-R160J.

When connecting indoor units to one port of a BC Controller or two combined ports of a BC Controller using CMY-R160J, CMY-Y102S-G2, and CMY-Y102L-G2 is applicable; see Groups 1 and 2 in Figure 1.

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

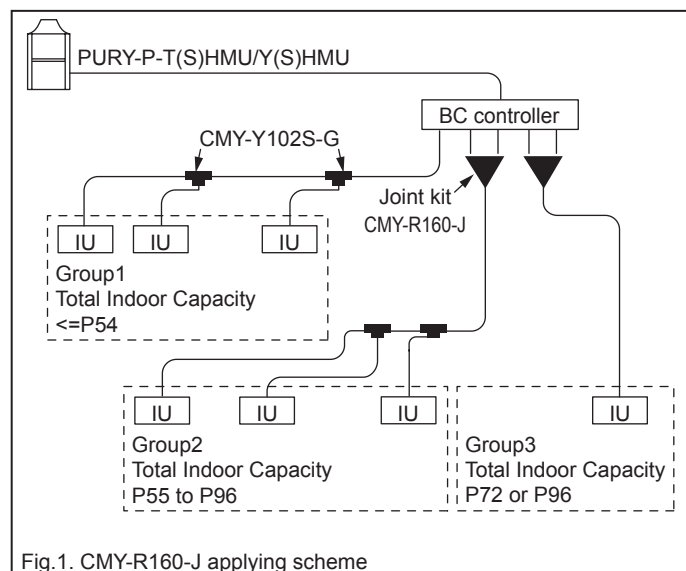


Fig.1. CMY-R160-J applying scheme

2. Piping at the Installation Site

Refer to Figure 2 for connecting the CMY-R160J to the BC Controller and the pipe leading to the indoor units. Non-oxidized brazing is necessary. Avoid getting foreign material inside the piping. After piping installation and testing for air-tightness, insulate the joint and pipe. Details are available in the Installation Manual.

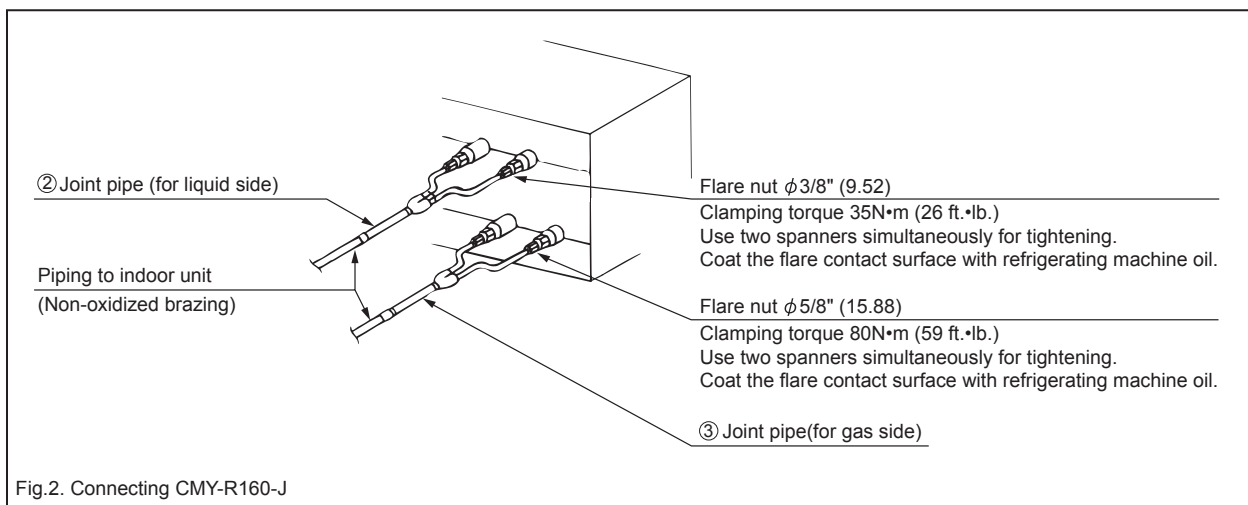


Fig.2. Connecting CMY-R160-J

