CITYMULTI®

Model: 12-TON PQHY-P144YLMU-A

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:



MODULAR WATER-SOURCE VRF HEAT PUMP SYSTEM

ACCESSORIES

Joint Kit ..... For details see Pipe Accessories Submittal
Header Kit ..... For details see Pipe Accessories Submittal

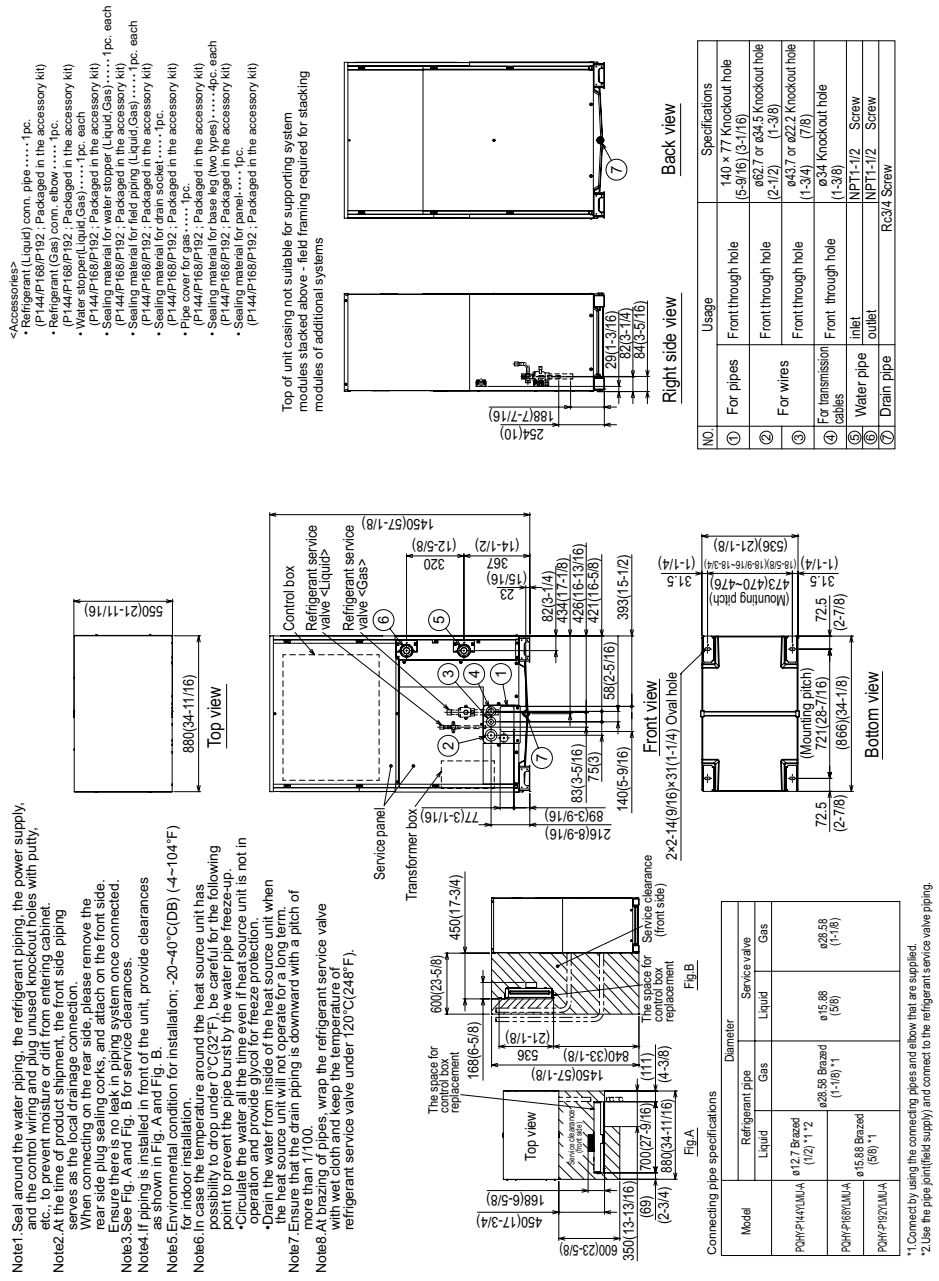
Specifications		Model Name
Unit Type		PQHY-P144YLMU-A
Nominal Cooling Capacity (460V)	Btu/h	144,000
Nominal Heating Capacity 460V)	Btu/h	160,000
Operating Temperature Range	Cooling (Indoor)	59~75° F 15~24° C) WB
	Heating (Indoor)	59~81° F (15~27° C) DB
Operating Water Temperature Range	Cooling	50~113° F (10~45° C)
	Heating	50~113° F (10~45° C)
External Dimensions (H x W x D)	In. (mm)	57-1/8 x 34-11/16 x 21-11/16 (1450 x 880 x 550)
Net Weight	Lbs. (kg)	508 (230)
External Finish		Galvanized steel sheets
Electrical Power Requirements	Voltage, Phase, Hertz	460V, 3-phase, 60Hz
Minimum Circuit Ampacity (MCA)	A	16
Maximum Overcurrent Protection (MOP)	A	25
Circulating Water (quality must meet regulations)		
Flow Rate	GPM / L/s	31.7 / 2
Pressure Drop	FT / psi	14.7 / 6.38
Operation Volume Range	GPM / L/m	19.8 - 50.9 / 75 - 193
Maximum Water Pressure	MPa / psi	2 / 290
Water-source Connection for Inlet and Outlet	In.	1-1/2 NPT
Piping Diameter (Brazed) (In. / mm)	Liquid (High Pressure)	1/2 / 12.70
	Gas (Low Pressure)	1-1/8 / 28.58
Max. Total Refrigerant Line Length	Ft.	984
Max. Refrigerant Line Length (Between ODU & IDU)	Ft.	541
Max. Control Wiring Length	Ft.	1,640
Indoor Unit	Total Capacity	50~130
	Model / Quantity	P6~P96/1~31
Sound Pressure Levels	dB(A)	54
Compressor Operating Range		19% - 100%
Compressor Type x Quantity		Inverter scroll hermetic compressor x 1
Refrigerant		R410A x 13 lbs. + 4 oz. (6.0 kg)
Protection Devices	High Pressure	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter Circuit	Over-heat protection, Over-current protection
	Compressor	Over-heat protection
AHRI Ratings (Ducted/Non-Ducted)	EER	12.1 / 15.6
	IEER	19.5 / 23.1
	COP	4.92 / 5.56

Specifications are subject to change without notice.

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Model:PQHY-P144YLMU-A- DIMENSIONS

Unit : mm(in)



MITSUBISHI ELECTRIC
COOLING & HEATING

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