CITYMULTI®

MODEL: PUMY-HP48NKMU

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

OUTDOOR VRF SYSTEM

FEATURES

- Connects up to 12 indoor units
- Single-phase outdoor unit with Variable Refrigerant Flow Zoning (VRF) technology
- Service accessible through both a front and side panel
- Up to 984 ft. of total pipe length
- Base pan heater standard
- 100% heating capacity at 5° F
- 78% heating capacity at -13° F utilizing flash injection technology
- ENERGY STAR® certified units[1]

ACCESSORIES

□ Joint Kit (for details see Pipe Accessories Submittal)

□ Header Kit (for details see Pipe Accessories Submittal)

□ Air Outlet Guide (One Piece)[2] (PAC-SH96SG-E)

□ Front Wind Baffle (One Piece)[2] (WB-PA3)

□ Drain Pan (PAC-SH97DP-E)

□ Drain Socket (PAC-SG61DS-E)

□ Air Deflector Vertical (ADV-1)

[1]ENERGY STAR products are third-party certified by an EPA-recognized Certification Body
[2]PUMY requires two outlet guides and wind baffles for installation.

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SPECIFICATIONS: PUMY-HP48NKMU

Nominal Cooling Capacity (208/230V)[1]	Btu/h		48,000
Nominal Heating Capacity (208/230V)[2]	Btu/h		54,000
Operating Temperature Range	Cooling (Outdoor)		5° to 115° F (-15 to +46° C) DB[3, 4]
	Heating (Outdoor)		-13° to +59° F (-25° to +15.0° C) WB
External Dimensions (H x W x D)	In. / mm		52-11/16 x 41-11/32 x 13+1 / 1,338 x 1050 x 330+25
Net Weight	Lbs. / kg		273 / 124
External Finish			Galvanized sheets (+power coating for -BS type) <MUNSELL 3Y 7.8/1.1>
Electrical Power Requirements	Voltage, Phase, Hertz		208/230V, 1-Phase, 60Hz
Minimum Circuit Ampacity (MCA)	A		36
Maximum Overcurrent Protection (MOP)	A		44
Recommended Fuse Size	A		40
Short-circuit Current Rating (SCCR)	kA		5
Piping Diameter (Flare) In. / mm	Liquid (High Pressure)		3/8 (9.52) Flare
	Gas (Low Pressure)		5/8 (15.88) Flare
Indoor Unit	Total Capacity		50-130% of outdoor unit capacity
	Model / Quantity		P05-P54 / 1-12
Fan Type x Quantity			Propeller fan x 2
Fan Motor Output	kW		0.074 + 0.074 (two fan motors)
Airflow Rate	CFM		3,885
Compressor Operating Range	Cooling		23% to 100%
	Heating		16% to 100%
Compressor Type x Quantity			INVERTER-driven Scroll Hermetic x 1
Compressor Motor Output	kW		3.4
Sound Pressure Level	Cooling	dB(A)	51
	Heating	dB(A)	54
Refrigerant			R410A; (10 lbs + 9 oz) (4.8kg)
Lubricant			FV50S (2.3 liters)
Protection Devices	High Pressure		High pressure sensor, High pressure switch 601 psi (4.15 MPa)
	Inverter Circuit		Over-heat protection, Over-current protection
	Compressor		Discharge thermo protection, Over-current protection
AHRI Ratings (Ducted / Non-Ducted)	EER		11.3 / 13.1
	SEER		16.5 / 22.6
	COP		3.3 / 4.0
	HSPF		11.0 / 12.0

Notes

[1]Cooling | Indoor: 81 ° F (27 ° C) DB / 66 ° F (19 ° C) WB; Outdoor: 95 ° F (35 ° C) DB

[2]Heating | Indoor: 68° F (20° C) DB, Outdoor 45° F (7° C) DB / 43° F (6° C) WB

[3]When using Wind Baffles [WB-PA3], the minimum operating range is 5° F. Without Wind Baffles, the minimum operating range is 23° F.

[4]When connecting PKFY-P06NBMU/P08NHMU,PFFY-P06/08/12NEMU or PFFY-P06/08/12NRMU indoor units, the minimum operating range is 50° F.

Specifications are subject to change without notice.

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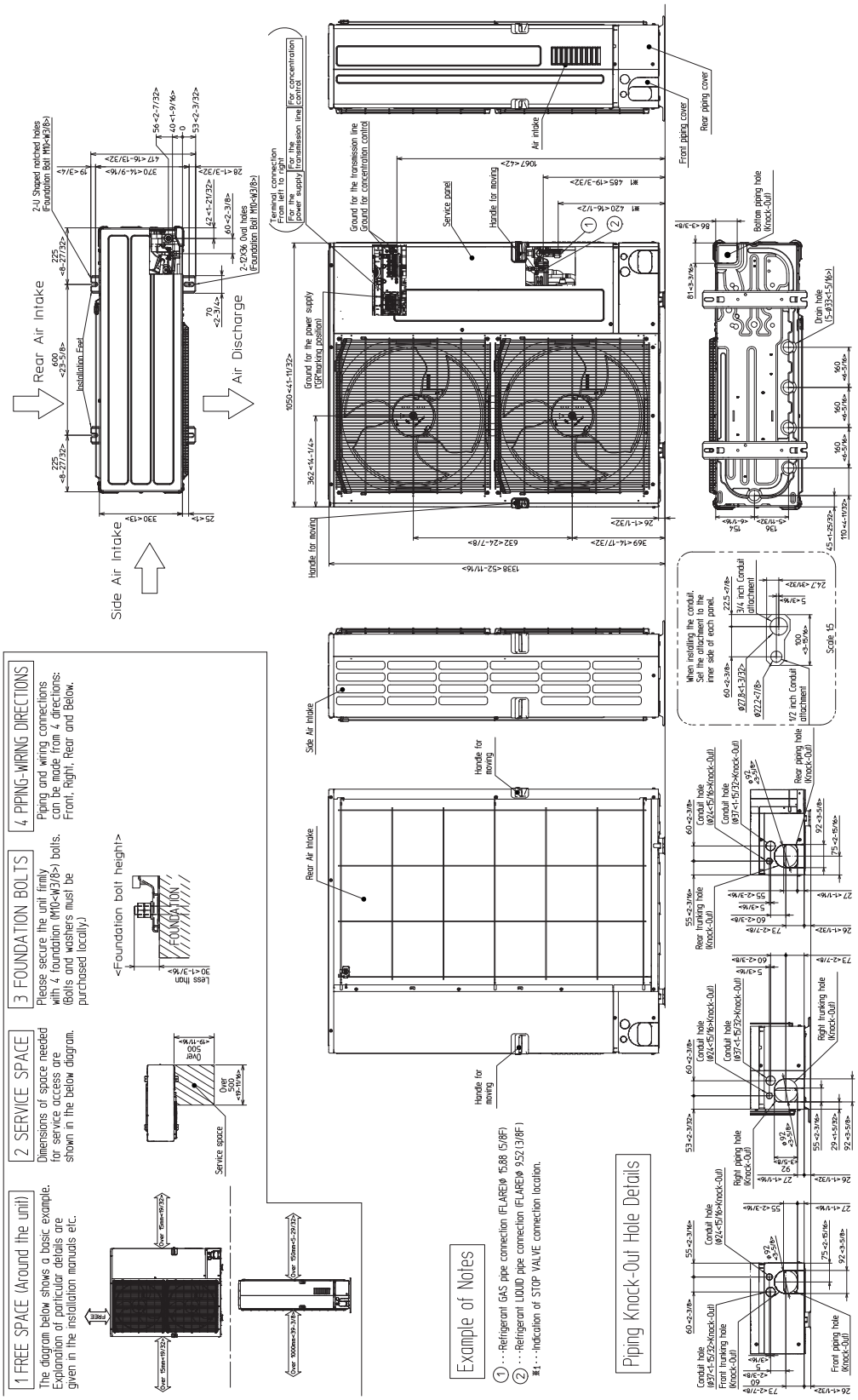
DIMENSIONS: PUMY-HP48NKMU

Unit: mm(in)



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