

Submittal Data: PCA-A42KA7-TH & PUZ-HA42NKA1

42,000 BTU/H Ceiling-Suspended Cold Climate Heat Pump System

Job Name:	Location:		
Purchaser:	Submitted By:		
Submitted To:	Reference:	Approval:	Construction:
Engineer:	Date:	Application:	



Optional Controller

Images provided for reference purposes only

Outdoor Standard Features:	Description:
Blue Fin Coating	Prolong condenser operating life
Inverter Motor	Energy efficient operation with variable speed DC motor
Built in base pan heater	Automated control to prevent premature failure of condenser coil
Auto mode	Automatically switches between heating & cooling modes
Fast Auto restart	Automatically restarts after power failure return
Auxiliary heat lock out	Prevents premature activation of aux. heat
Automated compressor cutout	Prevents inefficient operation & protects compressor
Cold climate heat pump	

Indoor Standard Features:
Vane, Louver and Vent control
Lossnay connections and control
Daily and Weekly ON/OFF timers
Emergency operation
Wash filter notification
Auto fan speed mode
Wired and Wireless control options

Description: (Optional Accessories)	Model No.
Front Windscreen	CM-S-FR-NKMU (x2 required)
Front Windscreen Blocker	CM-S-BLK-NKMU (x2 per box)
Rear Snow Guard	SG-1-RE
Side Snow Guard	SG-1-SD
High Efficiency Filter Element	PAC-SH90KF-E
Drain Pump	PAC-SH84DM-E

Note:

1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project.
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Performance:

Cooling at 95°F ¹	Rated Capacity	Btu/h	42,000
	Capacity Range	Btu/h	16,600 - 42,000
	Rated Power Input	W	4,050
	Power Input Range	W	1,300 - 4,050
	Moisture Removal	pints/h	10.6
	Sensible Heat Factor		0.72
Heating at 47°F ²	Rated Capacity	Btu/h	48,000
	Capacity Range	Btu/h	24,000 - 54,000
	Rated Power Input	W	4,760
	Power Input Range	W	1,720 - 5,690
Heating at 17°F ³	Maximum Capacity	Btu/h	48,000
	Rated Capacity	Btu/h	38,500
	Capacity Range	Btu/h	NA - 48,000
	Maximum Power Input	W	7,305
	Rated Power Input	W	5,935
	Power Input Range	W	NA - 7,305
Heating at 5°F ⁴	Maximum Capacity	Btu/h	48,000
	Maximum Power Input	W	7,717
Heating at -13°F ⁵	Maximum Capacity	Btu/h	38,400
	Maximum Power Input	W	7,883

Efficiency:

SEER		15.5
EER ¹		10.3
HSPF (IV)		10.0
COP at 47°F ²	Rated Capacity	2.95
COP at 17°F ³	Maximum Capacity	1.92
COP at 5°F ⁴	Maximum Capacity	1.82

Electrical:

Power Supply		208/230V, 1Ph, 60Hz
Voltage: Indoor - Outdoor, S1-S2	V AC	AC 208/230V
Voltage: Indoor - Outdoor, S2-S3	V DC	DC 24V
Short-circuit Current Rating (SCCR)	kA	5
Recommended Fuse/Breaker Size (Outdoor)	A	40
Recommended Wire Size (Indoor - Outdoor)	AWG	14

Outdoor Operating Temperature Range:

Cooling Operation Air Temp (Maximum / Minimum)*	°F (°C)	* 0 to 115 (-18 to 46)
Cooling Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	-1 / 3 (-18 / -16)
Heating Operation Air Temp (Maximum / Minimum)	°F (°C)	-13 to 75 (-25 to 24)
Heating Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	-22 / -13 (-30 / -25)

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (* Windscreens required for cooling operations below 23°F (-5°C))

¹Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB

²Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

³Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

Rated conditions:

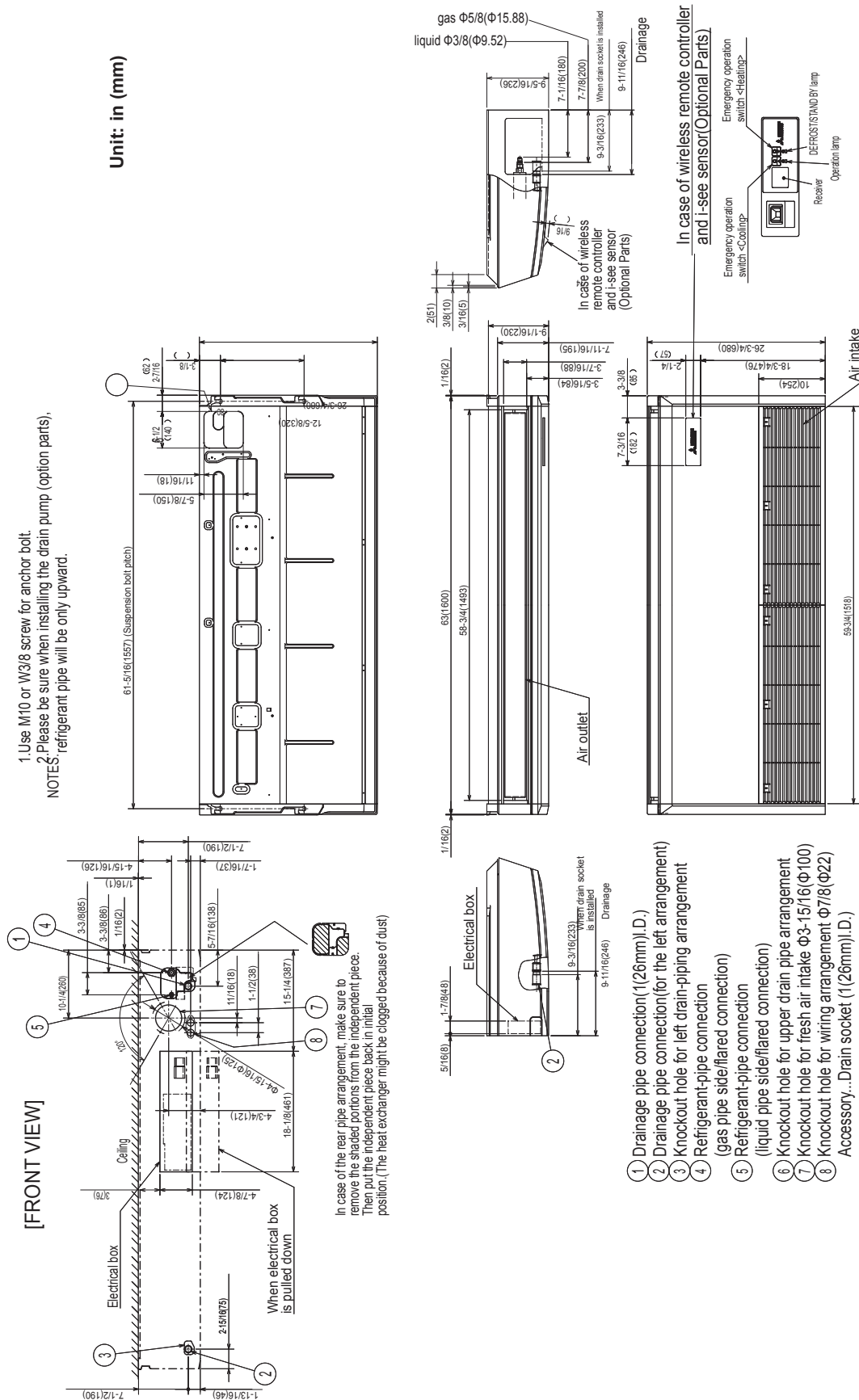
⁴Heating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB

⁵Heating at -13°F (-25°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -13°F (-25°C) DB, -15°F (-26.1°C) WB

Notes:

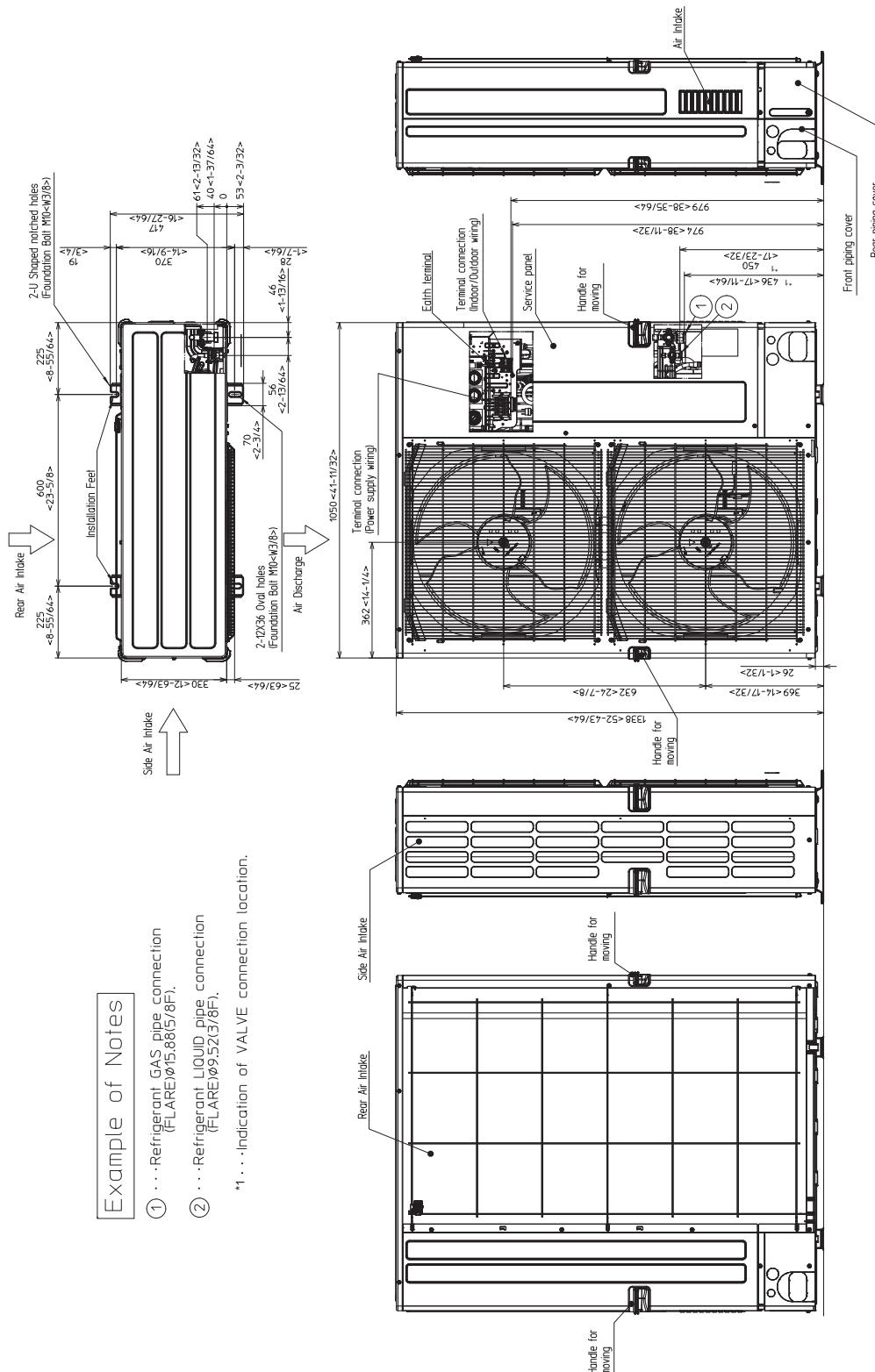
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Indoor Unit Outline and Dimensions:



Outdoor Unit Outline and Dimensions:

Unit: mm<in>



Example of Notes

- ① ...Refrigerant GAS pipe connection (FLARE) Ø15.88(5/8F).
 - ② ...Refrigerant LIQUID pipe connection (FLARE) Ø9.52(3/8F).
- *1 ... Indication of VALVE connection location.

