MITSUBISHI ELECTRIC
HVAC Advanced Products Division

Mr.SLIM®
Split-ductless A/C and Heat Pumps

SUBMITTAL DATA: PLA-A18AA & PUZ-A18NHA

18,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For ☐ Reference ☐ Approval ☐ Construction

Unit Designation: Schedule No.:

GENERAL FEATURES

- Limited warranty: one year on parts and defects and six years on compressor
- Compact side-discharge outdoor unit
- Zone control
- Wired wall-mounted controller
- Automatic fan speed control
- Quiet operation – both indoor and outdoor units
- Auto restart following a power outage
- Self check function – integrated diagnostics
- Advanced microprocessor control
- Auto changeover for cooling and heat

Cooling

Rated capacity . . . . . 18,000 Btu/h
Minimum capacity . . . . . 8,000 Btu/h
SEER . . . . . 13.2 Btu/h/W
Total input . . . . . 1870 W
Power supply . . . . . 208 / 230V, 1 Phase, 60 Hz
Breaker size . . . . . 15 A

Heating

Rated capacity . . . . . 19,000 Btu/h
Minimum capacity . . . . . 8,000 Btu/h
Total input . . . . . 1620 W
HSPF (IV/V) (Btu/h/W) . . . . . 10 / 7.8
COP . . . . . 11.7 Btu/h/W

Voltage

Indoor - outdoor S1-S2 . . . . . AC 208/230V
Indoor - outdoor S2-S3 . . . . . DC 24V
Indoor - remote controller . . . . . DC

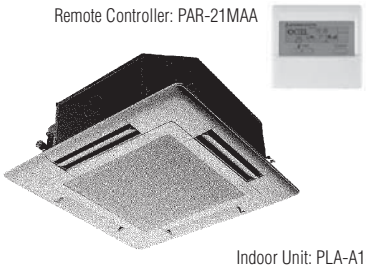
Indoor unit

MCA . . . . . 1 A
Fan motor . . . . . 0.79 F.L.A.
Fan motor output . . . . . 70 W
Airflow (Lo-M1-M2-Hi) . . . . . 530-570-640-710 Dry CFM
490-530-600-670 Wet CFM
Sound (level) (Lo-M1-M2-Hi) . . . . . 28-30-32-34 dB(A)

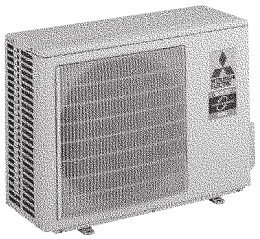
DIMENSIONS		UNIT	PANEL
inches	W	33-1/16	37-3/8
	D	33-1/16	37-3/8
	H	10-3/16	1-3/16
mm	W	840	950
	D	840	950
	H	258	30

Weight (unit/grille)
Pounds . . . . . 53 / 11
Kg . . . . . 24 / 5

Remote Controller: PAR-21MAA



Indoor Unit: PLA-A18AA



Outdoor Unit: PUZ-A18NHA

Field drain pipe Size I.D. (inches/mm) . . . . . 1 / 25.4

Wall-mounted remote controller PAR-21MAA
(see data submittal sheet)

Outdoor unit

Compressor . . . . . DC inverter/twin rotary
MCA 13
Fan motor . . . . . 0.35 F.L.A.
Sound level . . . . . 46 dB(A)

DIMENSIONS		INCHES	MM
	W	31-1/2	800
	D	13 + 7/8	330 + 23
	H	23-5/8	600

Weight (lbs/Kg) . . . . . 99 / 45
Refrigerant type R410A
Refrigerant pipe size O.D. (inches/mm)
gas side . . . . . 1/2 / 12.7
liquid side . . . . . 1/4 / 6.35
Max. refrigerant pipe length (ft/m) . . . . . 100 / 30
Max. refrigerant pipe height difference (ft/m) . . . . 100 / 30
Connection method . . . . . flared

NOTES :
*1. Rating conditions (cooling)-indoor : D.B. 80°F, W.B. 67°F
outdoor : D.B. 95°F, W.B. 75°F.
*2.Rating conditions (heating)-indoor : D.B. 70°F, W.B. 60°F outdoor : D.B. 17°F, W.B. 15°F.

Operating range

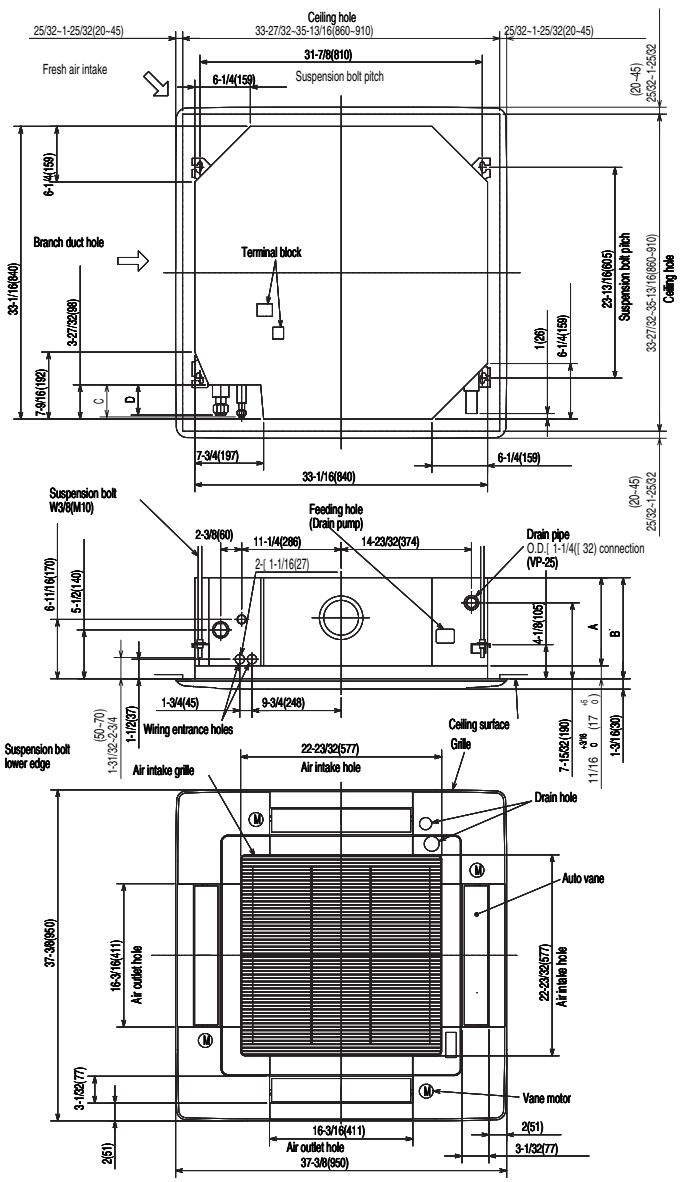
		Indoor intake air temp.	Outdoor intake air temp.
Cooling	Maximum	D.B. 95°F, W.B. 71°F	D.B. 115°F
	Minimum	D.B. 67°F, W.B. 57°F	D.B. 0°F *
Heating	Maximum	D.B. 80°F, W.B. 67°F	D.B. 70°F, W.B. 59°F
	Minimum	D.B. 70°F, W.B. 60°F	D.B. 12°F, W.B. 10°F

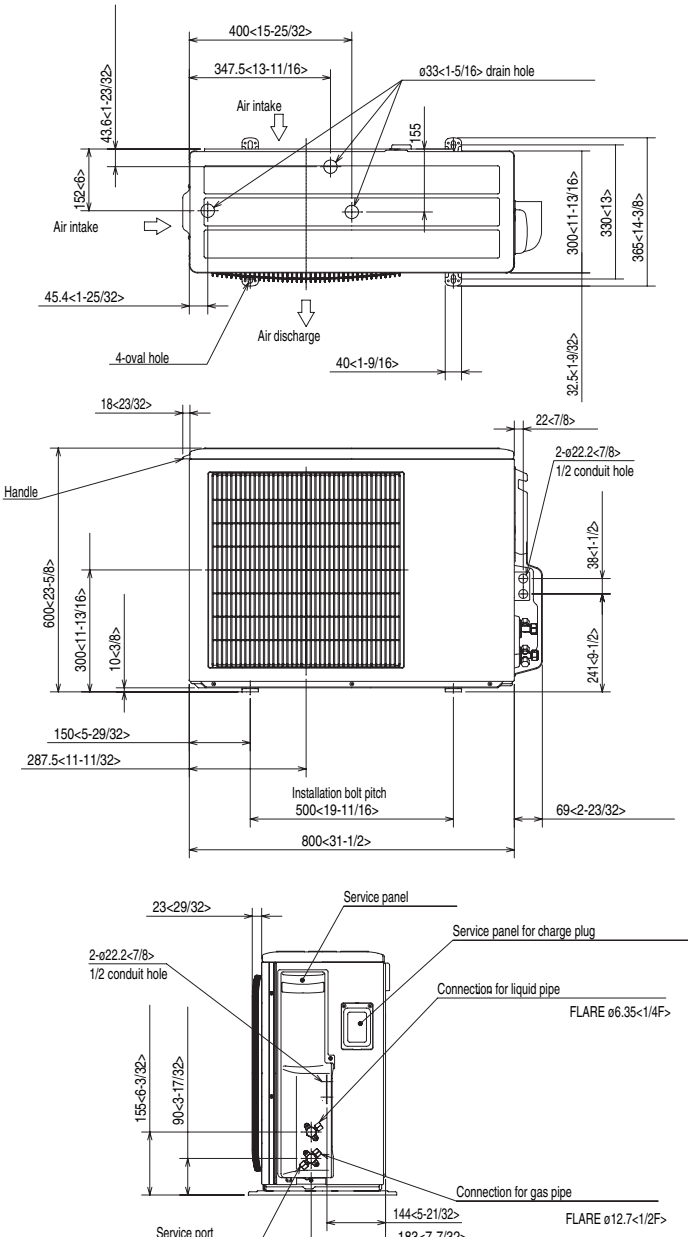
* With wind baffle installed. If not installed, the minimum temperature will be 23°FDB.

R410A INVERTER

Notes:

DIMENSIONS: PLA-A18AA & PUZ-A18NHA





ARI Standard 210/240 UHP

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