

SUBMITTAL DATA: PLA-A18AA & PUZ-A18NHA
18,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

Job Name: _____	Location: _____	Date: _____
Purchaser: _____	Engineer: _____	
Submitted to: _____	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> 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
- Hard-wired, wall-mounted remote controller (PAR-21MAA)
- 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)

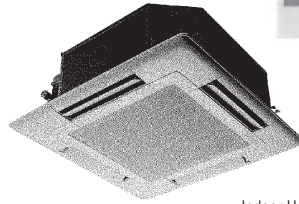
DIMENSIONS

		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

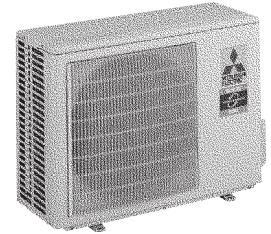
Weight (unit/grille)

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.



Notes:

