



PCA-RP71HA

Power Inverter Heat Pump

R410A Stainless Steel Ceiling Suspended System

The PCA-RP-HA series is a ceiling suspended unit ideal for use in kitchen environments. The external casing is made of durable stainless steel that is resistant to oil and smoke, ensuring that the unit can be easily cleaned at all times.

Advanced inverter technology makes the Mr Slim Power Inverter the number one choice for improving comfort. They provide energy savings of up to 70% annually when compared to a previous non-inverter model. Operating noise has also been reduced thanks to improvements in fan design, while existing pipe work is reusable for easier maintenance and installation.

- **High performance oil mist filter**
- **Easy maintenance - fan casing can be separated into different sections allowing easy cleaning. The drain pan can also be cleaned easily on-site as the pipe connector can be quickly removed**
- **Optional decoration covers**



Pictures not to scale

Product Details

PCA-RP71HA Indoor Unit

Capacity (kW):	
Heating (Nominal) (Low - High)	7.60 (3.50 - 10.20)
Cooling (Nominal) (Low - High)	7.10 (3.30 - 8.10)
Heating (UK) (Low - High)	6.45 (3.00 - 8.65)
Cooling (UK) (Low - High)	6.55 (3.05 - 7.45)
SHF R410A (Nominal)	0.74
COP / EER (Nominal)	3.41 / 3.21
Energy Label Heating / Cooling	B / A
Width - mm	1136
Depth - mm	650
Height - mm	280
Weight - kg	41
Airflow (m3/min) - Lo-Hi	17-19
Noise (dBA) - Lo-Hi	34-38
Electrical Supply	Fed by Outdoor Unit
Phase	Single
Fuse Rating (BS88) - HRC (A)	6
Interconnecting Cable No. Cores	4
Remote Controller Ref	PAR-21MAA

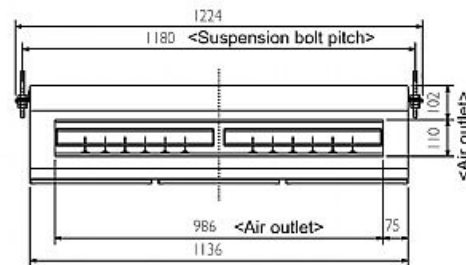
PUHZ-RP71VHA4 Outdoor Unit

Width - mm	950
Depth - mm	330 +30
Height - mm	943
Weight - kg	67
Noise (dBA) (Heating /Cooling) - Lo-Hi	44-48 /44-47
Electrical Supply	220-240v, 50Hz
Phase	Single
Fuse Rating (BS88) - HRC (A)	20
SystemPower Input (kW) - Heating (Nominal)	2.23
SystemPower Input (kW) - Cooling (Nominal)	2.21
SystemPower Input (kW) - Heating (UK)	1.98
SystemPower Input (kW) - Cooling (UK)	1.88
Starting Current (A)	5
SystemRunning Current (A) - Heating / Cooling	10.02 / 9.93
Mains Cable No. Cores	3
Max Pipe Length (m)	50
Max Height Difference (m)	30
Charge (kg) - 30m	3.5

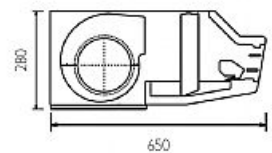
Dimensions

PCA-RP71HA

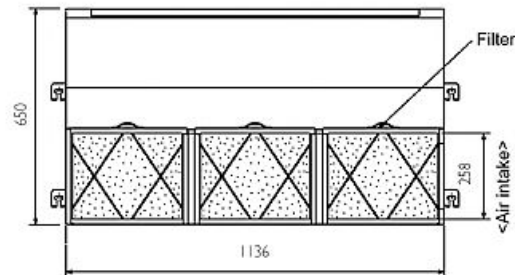
Front View >



Side View >

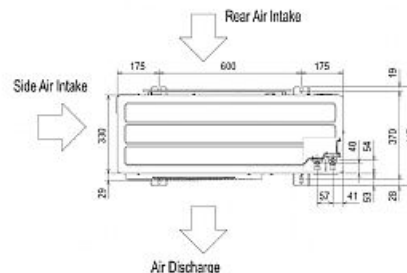


Lower View >

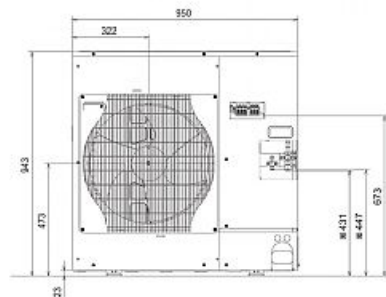


PUHZ-RP71VHA4

Upper View >



Front View >



Right Side View >



Telephone: 01707 282880

Email: air.conditioning@meuk.mee.com Website: <http://www.mitsubishielectric.co.uk/aircon>

Tel:
Fax:

Mitsubishi Electric reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement.



2-4. CEILING SUSPENDED TYPE

Model name	Indoor unit		PCA-RP50KA	PCA-RP60KA	PCA-RP71KA
	Outdoor unit		PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4
Cooling	Capacity	Btu/h	17,100	20,500	24,200
		kW	5.0(2.3-5.6)	6.0(2.7-6.7)	7.1(3.3-8.1)
	Total input	kW	1.56	1.50	1.96
	EER		3.21	4.00	3.62
	Energy label class		A	A	A
	SHF		0.79	0.81	0.76
Heating	Capacity	Btu/h	18,800	23,900	27,300
		kW	5.5(2.5-6.6)	7.0(2.8-8.2)	8.0(3.5-10.2)
	Total input	kW	1.52	1.94	2.21
	COP		3.62	3.61	3.62
	Energy label class		A	A	A
	Booster heater	kW	-	-	-
Power supply	Phase	ϕ	1		
	Cycle	Hz	50		
	Voltage	V	230		
	Breaker size	A	16	25	
Indoor unit	Air flow (Low-Medium2-Medium1-High)	CMM	10-11-13-15	15-16-17-19	16-17-18-20
		CFM	355-390-460-530	530-565-600-670	565-600-635-705
	External pressure	Pa	0		
	Sound level (Low-Medium2-Medium1-High)	dB(A)	32-34-37-40	33-35-37-40	35-37-39-41
	External finish		White Munsell 6.4Y 8.9/0.4		
	Dimension	W : mm	960	1,280	
		D : mm	680		
		H : mm	230		
		W : inch	37-13/16	50-3/8	
		D : inch	26-3/4		
		H : inch	9-1/16		
	Weight	kg	25	32	
		lbs	55	71	
	Field drain pipe O.D.	mm	26		
inch		1			
Outdoor unit	Air flow	CMM	35	60	
		CFM	1,240	2,120	
	Sound level at cooling	dB(A)	44	47	
	Sound level at heating	dB(A)	46	48	
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W : mm	800	950	
		D : mm	330+23	330+30	
		H : mm	600	943	
		W : inch	31-1/2	37-3/8	
		D : inch	13 + 7/8	13 + 1-3/16	
		H : inch	23-5/8	37-1/8	
	Weight	kg	42	67	
		lbs	93	148	
Refrigerant pipe size	Gas side O.D.	mm	12.7	15.88	
		inch	1/2	5/8	
	Liquid side O.D.	mm	6.35	9.52	
		inch	1/4	3/8	
Refrigerant pipe length	Height difference	m	Max. 30	Max. 30	
	Length	m	Max. 50	Max. 50	

NOTE: 1. Rating conditions (ISO T1)
Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B. 35°C, W.B. 22.5°C	D.B. 46°C
	Lower limit	D.B. 19°C, W.B. 15°C	D.B. -5°C ※1
Heating	Upper limit	D.B. 28°C	D.B. 21°C, W.B. 15°C
	Lower limit	D.B. 17°C	D.B. -11°C, W.B. -12°C ※2

3. Guaranteed voltage

198~264V, 50Hz

4. Above data are based on the indicated voltage.

Indoor unit Single phase 230V 50Hz

Outdoor unit Single phase 230V 50Hz

※1. If optional air protect guide installed. D.B. -15°C

※2. For RP60/71 D.B. -20°C, W.B. -20°C

PUHZ-RP60VHA4 PUHZ-RP71VHA4

Unit : mm

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

3 FOUNDATION BOLTS

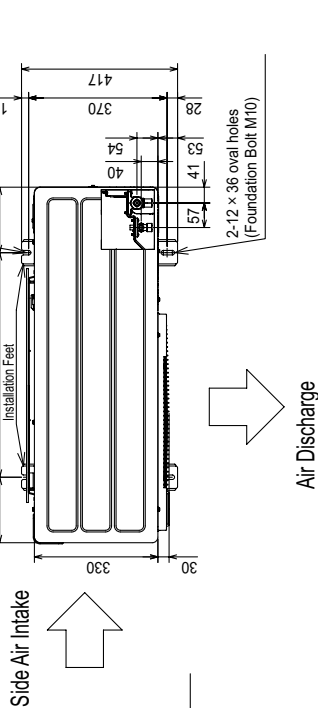
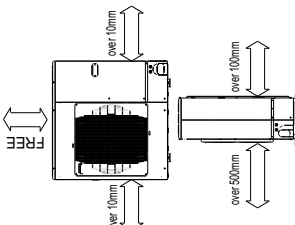
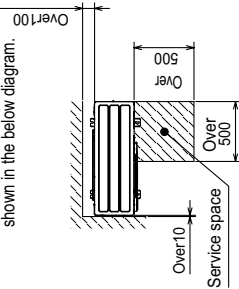
Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

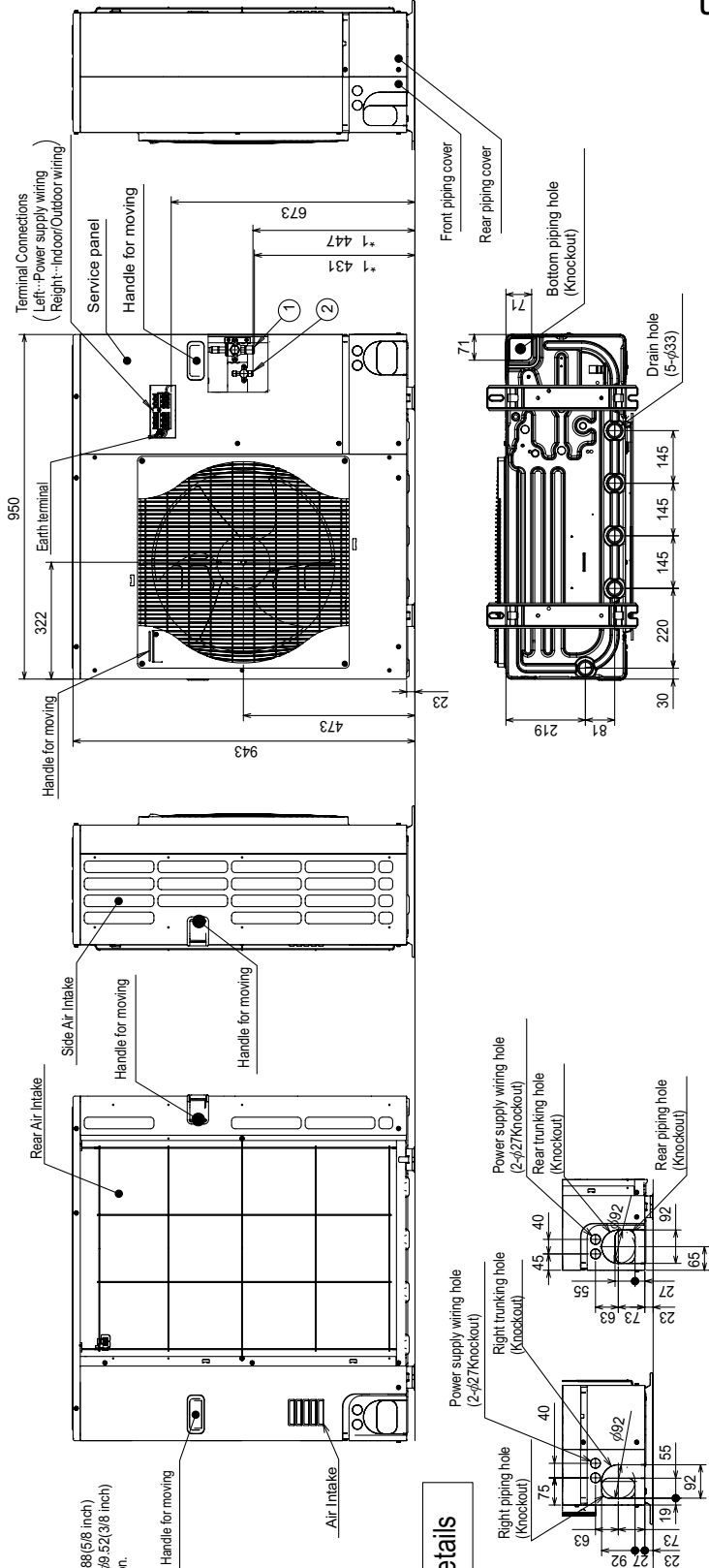
1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details is given in the installation manuals etc.

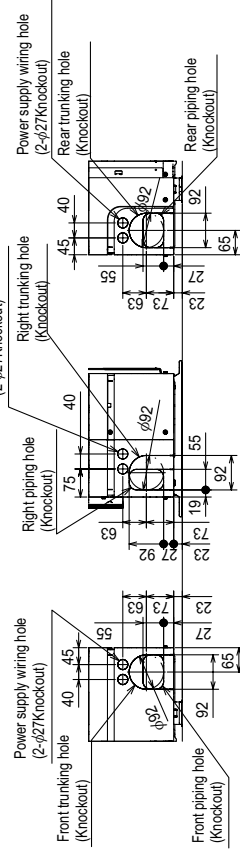


Example of Notes

- ① Refrigerant GAS pipe connection (FLARE)φ15.88(5/8 inch)
- ② Refrigerant LIQUID pipe connection (FLARE)φ9.52(3/8 inch)
- *1...Indication of STOP VALVE connection location.



Piping Knockout Hole Details



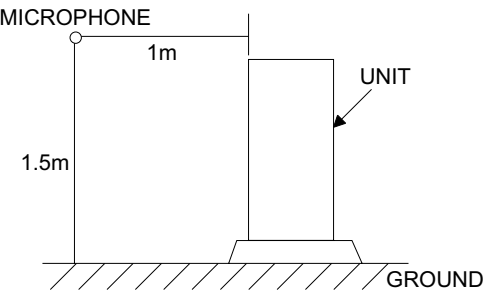
--

--



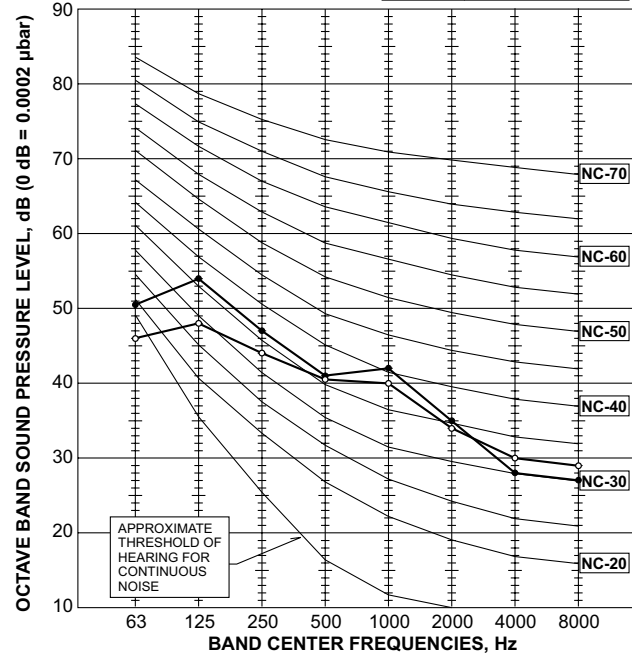
--

10-2. OUTDOOR UNIT



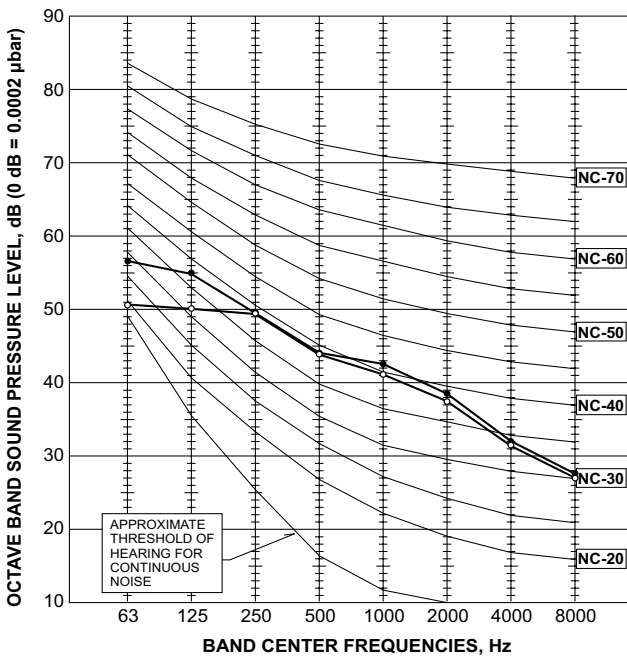
PUHZ-RP35VHA4
PUHZ-RP50VHA4

MODE	SPL(dB)	LINE
COOLING	44	
HEATING	46	



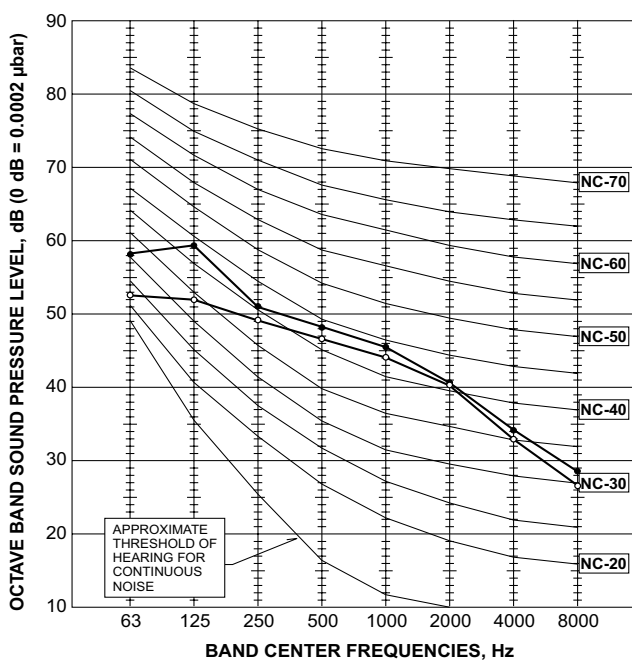
PUHZ-RP60VHA4
PUHZ-RP71VHA4

MODE	SPL(dB)	LINE
COOLING	47	
HEATING	48	



PUHZ-RP100VKA
PUHZ-RP100YKA

MODE	SPL(dB)	LINE
COOLING	49	
HEATING	51	



PUHZ-RP125VKA
PUHZ-RP125YKA

MODE	SPL(dB)	LINE
COOLING	50	
HEATING	52	

