1. SPECIFICATIONS

Model				PUHY-P200YKB-A1 (-BS)	PUHY-P250YKB-A1 (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	22.4	28.0
			kcal/h	20,000	25,000
		*1	BTU/h	76,400	95,500
	Power input		kW	5.19	6.88
	Current input		A	8.7-8.3-8.0	11.6-11.0-10.6
	EER		kW/kW	4.31	4.06
Temp. range of cooling	Indoor		W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
	Outdoor		D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating capacity (Nominal)		*2	kW	25.0	31.5
			kcal/h	21,500	27,100
		*2	BTU/h	85,300	107,500
	Power input		kW	5.81	7.34
	Current input		A	9.8-9.3-8.9	12.3-11.7-11.3
	COP		kW/kW	4.30	4.29
Temp. range of heating	Indoor		D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
	Outdoor		W.B.	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Model/Quantity			P15~P250/1~17	P15~P250/1~21
Sound pressure level (measured in anechoic room)			dB <A>	57	59
Sound power level (measured in anechoic room)			dB <A>	78	79
Refrigerant piping diameter	Liquid pipe		mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)
	Gas pipe		mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed
FAN	Type x Quantity			Propeller fan x 1	Propeller fan x 1
	Air flow rate		m^3/min	175	175
			L/s	2,917	2,917
			cfm	6,179	6,179
	Control, Driving mechanism			Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output		kW	0.92 x 1	0.92 x 1
*3	External static press.			0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity			Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture			AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method			Inverter	Inverter
	Motor output		kW	5.5	6.9
	Case heater		kW	-	-
	Lubricant			MEL32	MEL32
External finish				Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D			mm	1,710 (1,650 without legs) x 920 x 740	1,710 (1,650 without legs) x 920 x 740
			in.	67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)			Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor			-	-
	Fan motor			-	-
Refrigerant	Type x original charge			R410A x 6.5 kg (15 lbs)	R410A x 8.0 kg (18 lbs)
	Control			LEV and HIC circuit	LEV and HIC circuit
Net weight			kg (lbs)	190 (419)	199 (439)
Heat exchanger				Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)				Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle, Hot gas)	Auto-defrost mode (Reversed refrigerant cycle, Hot gas)
Drawing	External			KJ94R996	KJ94R996
	Wiring			KE94G038	KE94G038
Standard attachment	Document			Installation Manual	Installation Manual
	Accessory			Refrigerant conn. pipe	Refrigerant conn. pipe
Optional parts				Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G
Remarks				Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

1. Nominal cooling conditions (subject to JIS B8615-2)
   Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B. /24°CW.B. (95°FD.B./75°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
2. Nominal heating conditions (subject to JIS B8615-2)
   Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.)
   Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
3. External static pressure option is available (30Pa, 60Pa/3.1mmH_2O, 6.1mmH_2O).

Unit converter	
BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

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PUHY-P200, 250YKB-A1(-BS)

<Accessories>
●Connecting pipe
<Gas> · Elbow (Ø28.58×Ø28.58):.....P200,P250
· Pipe reducer (Ø28.58×Ø22.2):.....P200,P250
<Liquid> · Pipe (Ø9.52×Ø9.52):.....P200,P250
· Pipe reducer (Ø9.52×Ø12.7):.....P250

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and bending of pipes.wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.
3. The detachable leg can be removed at site.

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P200YKB-A1(-BS)	ø9.52 Brazed	ø22.2 Brazed	ø9.52	ø28.58
PUHY-P250YKB-A1(-BS)	ø9.52 Brazed (ø12.7 Brazed) *2			

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
*2 Furthest piping length (CU from IU)≥90m

No.	Usage		Specifications
①	For pipes	Front through hole	102 × 72 Knockout hole
②		Bottom through hole	150 × 94 Knockout hole
③	For wires	Front through hole	ø65 or ø40 Knockout hole
④		Front through hole	ø52 or ø27 Knockout hole
⑤		Bottom through hole	ø65 Knockout hole
⑥		Bottom through hole	ø52 Knockout hole
⑦	For transmission cables	Front through hole	ø34 Knockout hole

Unit : mm

PUHY-P200, 250YKB-A1(-BS)

1. Required space around the unit

●In case of single installation

① Secure enough space around the unit as shown in the figure below.

- With a space of at least 300mm to the wall on the back of the unit

- With a space of at least 100mm to the wall on the back of the unit

<Unit:mm>

② When the height of the walls on the front,back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

<Wall height limit> Front : Up to the unit height
Back : Up to 500mm from the unit bottom
Side : Up to the unit height

2. Foundation work

① Take into consideration the surface strength,water draining route, piping route,and wiring route when preparing the installation site.

<Hole that the foundation in such way that the corner of the installation leg is

② Build the drain water comes out of the unit during operation.>

securely supported as shown in the right figure.(Fig.A,B)

When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.

③ The pontuion length of the anchor bolt must not exceed 30mm.(Fig.A,B)

④ Use four fixing plates as shown in the right figure <field supply required>

when using post-installed anchor bolts.(Fig.C,D)

⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.

⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.

⑦ Refer to the Installation Manual when installing units on an installation base.

●In case of collective installation

① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.

② At least two sides must be left open.

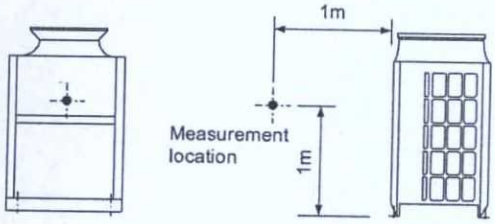
③ As with the single installation , add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.

④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/passage space for each six units.

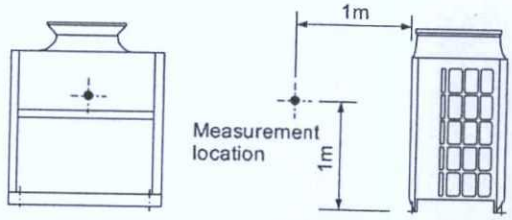
<H> ≦W
≥50 mm.
≥50 mm.
≥100 mm.
Front
<To be left open>
<H> ≧W
Front
Front
Front
<To be left open>
<Wall <H>
Front
≥100mm.
≥1000mm.
<To be left open>
<Unit:mm>
<Wall <H>
Front
≥100mm.
≥100mm.
≥100mm.
<To be left open>
<Wall <H>
Front
≥100mm.
≥50mm.
≥300mm.
≥50mm.
≥100 mm.
<To be left open>
<Wall <H>
Front
≥300mm.
≥50mm.
≥30 mm.
<To be left open>
<Wall <H>
Front
≥50mm.
Front
Front
Front
<To be left open>
<Wall <H>
Front
≥300mm.
≥50mm.

5. SOUND LEVELS

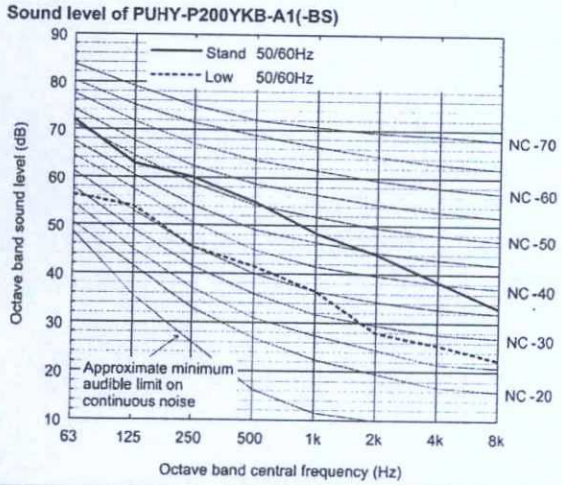
Measurement condition
PUHY-P200, 250YKB-A1(-BS)



Measurement condition
PUHY-P300, 350, 400YKB-A1(-BS)



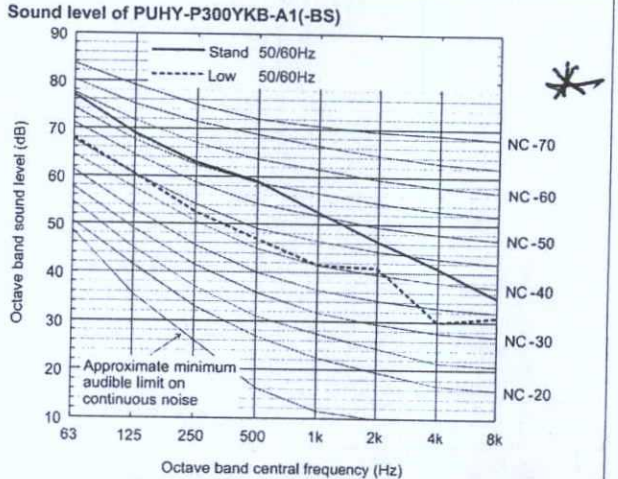
Sound level of PUHY-P200YKB-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	72.0	63.0	60.0	55.0	48.5	44.0	38.5	33.0	57.0
Low noise mode	50/60Hz	56.5	54.0	45.5	41.5	36.5	28.0	25.5	22.5	44.0

When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

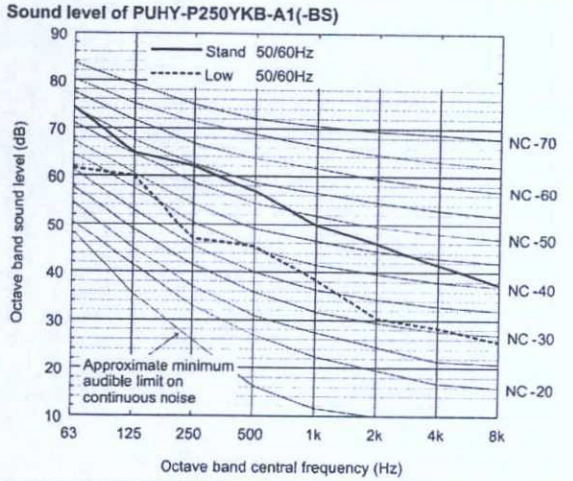
Sound level of PUHY-P300YKB-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.0	69.0	63.0	59.0	52.5	46.5	41.0	35.0	61.0
Low noise mode	50/60Hz	68.0	60.5	52.5	47.0	41.5	41.0	30.0	31.0	51.0

When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

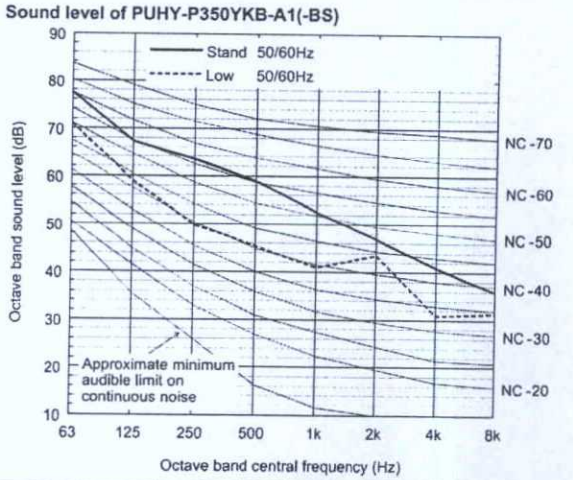
Sound level of PUHY-P250YKB-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	74.5	65.0	62.0	57.0	50.0	46.0	41.5	37.5	59.0
Low noise mode	50/60Hz	61.5	60.0	47.0	45.5	38.5	30.5	28.5	25.5	48.0

When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P350YKB-A1(-BS)



		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	77.5	67.5	63.5	59.0	52.5	47.0	41.0	36.0	61.0
Low noise mode	50/60Hz	71.0	59.0	50.0	45.5	41.0	43.5	31.0	31.5	51.0

When Low noise mode is set,the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

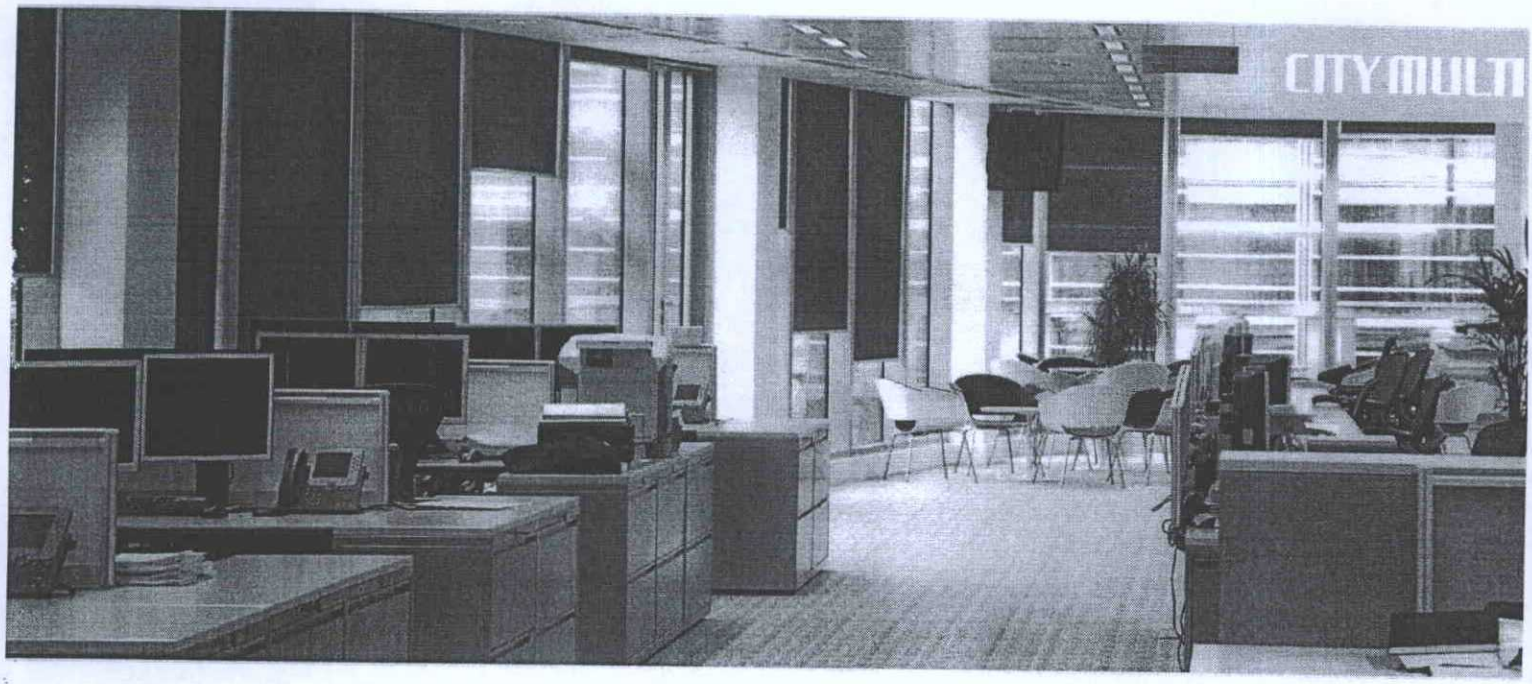
•Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Air Conditioning

Product Information

PKFY-P50VHM-E : Indoor Unit

Wall Mounted





An elegant design combined with compact dimensions and quiet operation make the PKFY-P an ideal unit choice. Noise levels are significantly reduced thanks to a unique airflow passage design that not only makes the unit one of the quietest in the industry, but also suppresses condensation and prevents mixing with secondary air.

MITSUBISHI ELECTRIC

LIVING ENVIRONMENTAL SYSTEMS

FEATURES



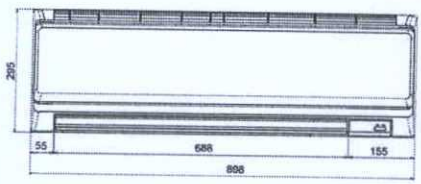
INDOOR

Heating Capacity (kW) (nominal)	6.3
Cooling Capacity (kW) (nominal)	5.6
High Performance Heating Capacity (kW) (UK)	6.3
COP Priority Heating Capacity (kW) (UK)	5.9
Cooling Capacity (kW) (UK)	5.3
Cooling Capacity (Hi-Sens Mode) (kW) (UK)	4.1
SHF (UK)	0.72
SHF (Hi-Sens Mode) (UK)	0.78
Heating Power Input (kW) (nominal)	0.03
Cooling Power Input (kW) (nominal)	0.04
Airflow (m^3/min) - Lo-Mi-Hi	9 - 10.5 - 12
Sound Pressure Level (dBA) - Lo-Mi-Hi	34 - 39 - 43
Weight (kg)	13
Dimensions (mm) Width	898
Dimensions (mm) Depth	249
Dimensions (mm) Height	295
Electrical Supply	220-240V, 50HZ
Phase	SINGLE
Running Current (A) - Heating / Cooling	0.3 / 0.4
Fuse Rating (BS88) - HRC (A)	6
Mains Cable No. Cores	3

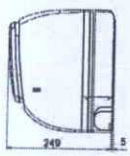
DIMENSIONS

PKFY-P50VHM-E

Front View)



Right Side View)



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Air Conditioning

Product Information

PKFY-P63VKM-E : Indoor Unit

Wall Mounted





An elegant design combined with compact dimensions and quiet operation make the PKFY-P an ideal unit choice. Noise levels are significantly reduced thanks to a unique airflow passage design that not only makes the unit one of the quietest in the industry, but also suppresses condensation and prevents mixing with secondary air.

MITSUBISHI ELECTRIC

LIVING ENVIRONMENTAL SYSTEMS

FEATURES



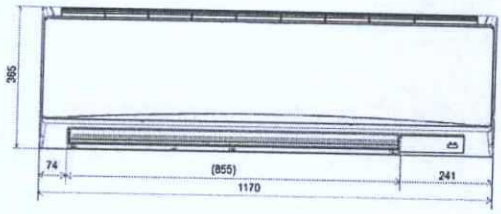
INDOOR

Heating Capacity (kW) (nominal)	8
Cooling Capacity (kW) (nominal)	7.1
High Performance Heating Capacity (kW) (UK)	8
COP Priority Heating Capacity (kW) (UK)	7.5
Cooling Capacity (kW) (UK)	6.7
Cooling Capacity (Hi-Sens Mode) (kW) (UK)	5.2
SHF (UK)	0.78
SHF (Hi-Sens Mode) (UK)	0.85
Heating Power Input (kW) (nominal)	0.04
Cooling Power Input (kW) (nominal)	0.05
Airflow (m^3/min) - Lo-Hi	16 - 20
Sound Pressure Level (dBA) - Lo-Hi	39 - 45
Weight (kg)	21
Dimensions (mm) Width	1170
Dimensions (mm) Depth	295
Dimensions (mm) Height	365
Electrical Supply	220-240V, 50HZ
Phase	SINGLE
Running Current (A) - Heating / Cooling	0.3 / 0.37
Fuse Rating (BS88) - HRC (A)	6
Mains Cable No. Cores	3

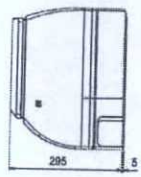
DIMENSIONS

PKFY-P63VKM-E

Front View >



Right Side View >



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