



Natural Comfort
For
Everybody

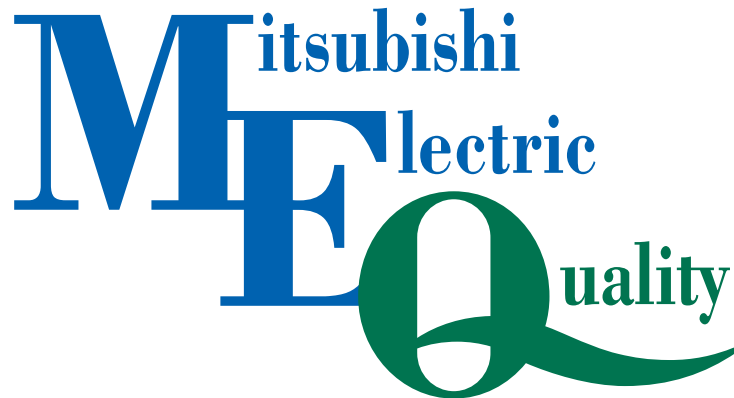


	2.5hp	3hp
<p>PLH-AAK Power ceiling cassette</p>		<p>PLH-3AAK</p> 
<p>PKH-FAK Wall mounted</p>		<p>PKH-3FAK</p> 
<p>PCH-GAK Ceiling suspended</p>		<p>PCH-3GAK</p> 
<p>PEH-EAK Ceiling concealed</p>	<p>PEH-2.5EAK</p> 	<p>PEH-3EAK</p> 
<p>OUTDOOR UNIT</p>	 <p>PUH-2.5AKA</p>	 <p>PUH-3VKA*/PUH-3YKA</p>

*PUH-3VKA is only for PEH series.

4hp	5hp	6hp	Remote controller	Contents
<p>PLH-4AAK</p> 	<p>PLH-5AAK</p> 	<p>PLH-6AAK</p> 		P.7
<p>PKH-4FAK</p> 				P.8
<p>PCH-4GAK</p> 	<p>PCH-5GAK</p> 	<p>PCH-6GAK</p> 	  Optional	P.9
<p>PEH-4EAK</p> 	<p>PEH-5EAK</p> 	<p>PEH-6EAK</p> 		P.10
 <p>PUH-4YKSA</p>	 <p>PUH-5YKSA</p>	 <p>PUH-6YKSA</p>		

The MEQ Difference



High performance, low power consumption,
and excellent reliability.

In today's competitive environment, simply meeting industry standards, however stringent, is not enough. Our aim is to exceed them. That's why when it comes to comfort, efficiency and durability: Mitsubishi Electric offers you a distinctive advantage. We call it MEQ – Mitsubishi Electric Quality. And it's a new benchmark that results in leading edge products, such as air conditioners that consume minimal power and protect your investment with a long operational lifespan. You can also enjoy superb reliability, as they're built to endure the punishment of extreme weather conditions year in and year out.

Mitsubishi Electric Offers Three Important Advantages

Comfort

True Comfort is Yours to Enjoy with Our Line-up

We create products designed to ensure that you and your surrounding will always be in a perfect harmony. Whichever model from our Mr. SLIM line-up you may choose for commercial use in restaurants, stores, or offices will be your guarantee of exceptional comfort in every and all operating condition.

Efficiency

Optimum Cost Performance and Energy Savings

MEQ results in air conditioners that are rated among the best in the industry in terms of quality and energy efficiency. We strive for a perfect balance of performance, reliability, low power consumption and long operational life span. This is complemented by continuous introduction of new technologies and components that further reduce energy requirements and improve eco-friendliness.

Durability

Rugged Construction, Rigorous Testing, Long-lasting Operation

MEQ is behind a mindset that goes to extremes to ensure higher quality products that protect the initial investment over years of reliable service. We subject our indoor and outdoor units to rigorous durability testing, including harsher temperature extremes than likely found anywhere in the world.



The First Choice for Any and All Applications

Whatever your requirements may be, Mitsubishi Electric offers advanced split-type heat pumps perfect for any interior, any need. Significantly decreased noise levels enhance comfort while a long list of convenient features allow for easy installation and far less maintenance. A variety of system control configurations plus twin multi operation – where multiple indoor units can be connected to a single outdoor unit – make our units the first choice for the diverse applications of today.



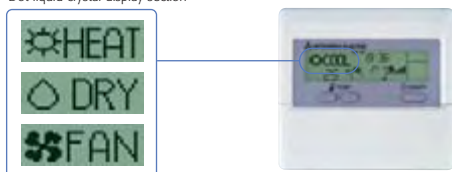
New Remote Controller

Renovating air conditioning communication
by advanced MA Remote Controller newly developed

Dot Liquid Crystal Display

Acknowledging the operation and control status at a glance. The large size display upgrades visual acknowledgement capability. The operation and control status can be understood promptly.

Display example [Operation mode]
Dot liquid crystal display section



Operation Control Function

Limiting the set temperature range

Air conditioning operation always within a limited temperature range

Auto Off timer

Automatic turning off of air conditioning operation

Operation locking

Preventing the random modification of setting

Multi-language Display

Multi-language

8 languages can be displayed.

Display can be switched over for 8 kinds of language.



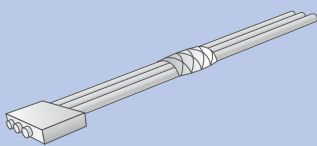
Weekly Timer

The function of the weekly timer equipped can change the set temperature in addition to the ON/OFF control. Up to 8 patterns can be set for each calendar day.

Mr. SLIM New A/K Control System Configuration

Control function	System configuration	Features	Necessary parts & equipment
1. Group control with 1 remote controller		<ul style="list-style-type: none"> Sequential start adaptable Same mode operation Maximum no. of units connectable per group: 16-refrigerant (Outdoor 16 sets) 	<ul style="list-style-type: none"> MAC-397IF-E (one for each outdoor unit)
2. Combined Remote/local control		<ul style="list-style-type: none"> Simultaneous ON/OFF remote Operation can be switched between the distant controller panel and handheld controller 	<ul style="list-style-type: none"> Timer adapter PAC-SE55RA-E (connect to CN32 on indoor circuit board) Relay box (on-site)
3. Operation with 2 remote controllers		<ul style="list-style-type: none"> 2 remote controllers can be connected to one group Control with the latest command 	<ul style="list-style-type: none"> Additional remote controller (option)
4. Individual control from distant room		<ul style="list-style-type: none"> Extension of remote controller cord (MAX. 500m) 	<ul style="list-style-type: none"> Remote controller cord (on-site)
5. Timer operation		<ul style="list-style-type: none"> Weekly timer operation possible as standard (7 days-8 patterns) 	—
		<ul style="list-style-type: none"> Optional adapter allows operation with timer sold on the market 	<ul style="list-style-type: none"> Timer adapter PAC-SE55RA-E (connect to CN32 on indoor circuit board)
6. Operation by external signal		<ul style="list-style-type: none"> Static signal receivable 	<ul style="list-style-type: none"> Timer adapter PAC-SE55RA-E (connect to CN32 on indoor circuit board)
		<ul style="list-style-type: none"> Pulse signal receivable 	<ul style="list-style-type: none"> Multiple remote controller adapter PAC-725AD (connect to CN51 on indoor circuit board)
7. Power failure automatic recovery		<ul style="list-style-type: none"> Returns to the state before power failure as standard 	<ul style="list-style-type: none"> Function setting by remote controller
8. Connection of remote display		<ul style="list-style-type: none"> Connectable to display panel in the field adapter 	<ul style="list-style-type: none"> Multiple remote controller adapter PAC-725AD (connect to CN51 on indoor circuit board) Relay OMRON made LY-1 (DC12V)

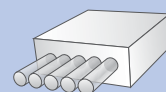
PAC-SE55RA-E
Timer Adapter



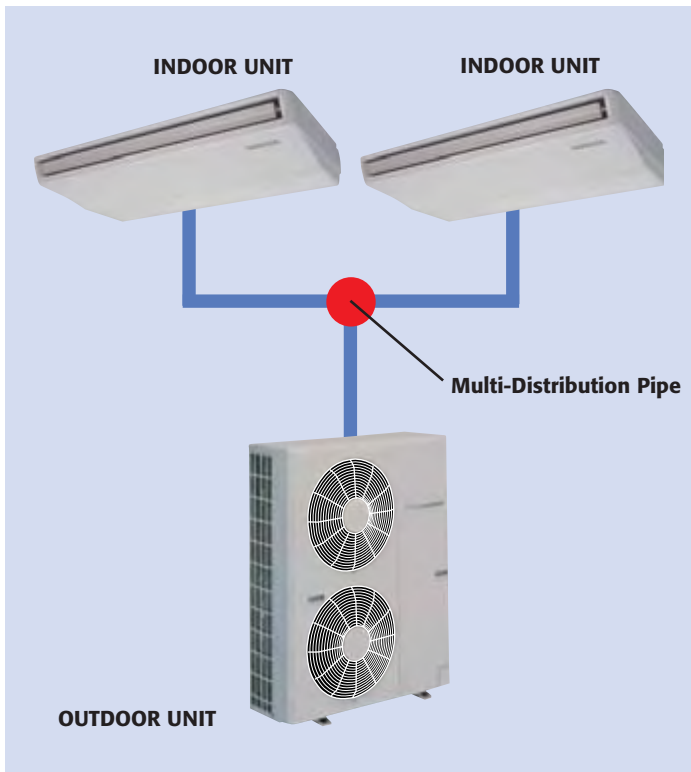
MAC-397IF-E
MA & Control Terminal Interface



PAC-725AD
Multiple Remote Controller Adapter
(10 units of PAC-SA88HA-E)



Twin Multi Operation



Two indoor units can be connected to a single outdoor unit and all units can be operated simultaneously from a single remote controller using the optional multi-distribution pipe (only indoor units of the same capacity and type can be connected).

Outdoor Unit and Twin-Multi Combinations

Applicable indoor units	2.5HP	3HP
	PEH-2.5EAK	PKH-3FAK PCH-3GAK PLH-3AAK PEH-3EAK
Outdoor unit	Twin-multi	
	50:50	
PUH-5YKSA	2.5 + 2.5	
PUH-6YKSA	3 + 3	
Multi-distribution pipe	SDD-50S-E	

Note

- The capacity of both indoor units must be identical.
- Different types of indoor units with identical capacities can be connected.
- The height difference between both indoor units must be 1 meter or less.
- When two units are connected, the main unit can be used to control the operation of all units.

Mr. SLIM Convenient Remote Controller

Advanced MA remote controller

Wired remote controller*



- DOT LIQUID CRYSTAL display
- MULTI-LANGUAGE display
- OPERATION CONTROL function
- WEEKLY TIMER

*Please refer to page 4.

Stylish wireless remote controller with all the latest programming features

Wireless remote controller for PLH-AAK



- **FAN SPEED SELECT button**
Used to change fan speed.
- **Fan speed indicator**
Displays the fan speed setting (HIGH or LOW).
- **VANE CONTROL button**
Used to change airflow direction.
- **MODE SELECTION button**
Used to select operating modes – Cool, Dry, and Heat, and Auto.
- **TIMER CONTROL buttons**
STOP (OFF timer): When this function is activated, the air conditioner will automatically stop at the preset time.
START (ON timer): When this function is activated, the air conditioner will automatically start at the preset time.
- **hour and MINUTE buttons**
Used to set the time and timer settings.
- **TIMER button/RESET button**

PLH-AAK SERIES

PLH-3AAK PLH-4AAK PLH-5AAK PLH-6AAK



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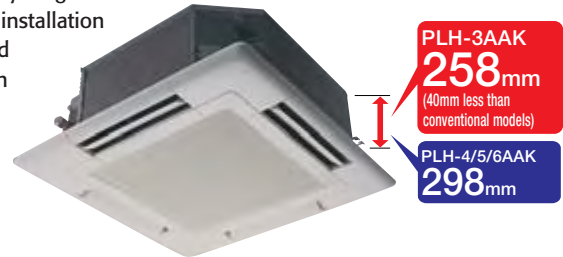
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Design uniformity improves installation flexibility

From the smallest 3HP unit to the largest 6HP model, the new high-power ceiling cassettes offer a uniformly square 950 x 950mm width and depth design. Thanks to the uniformity of the panel size, planning for unit positioning in any room is enhanced and the installation of different capacity models within the same floor space is made possible.

Unit height of only 258mm [PLH-3]

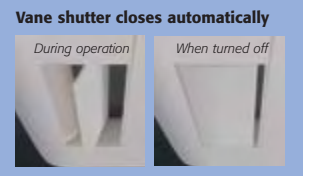
The new high-power ceiling cassette models boast slim body height for smooth and aesthetic installation even in limited ceiling plenum applications.



Automatic vane shutter

When the air conditioner is not operating, the vane shutter* closes automatically to conceal the air outlet and create an aesthetically appealing flat surface.

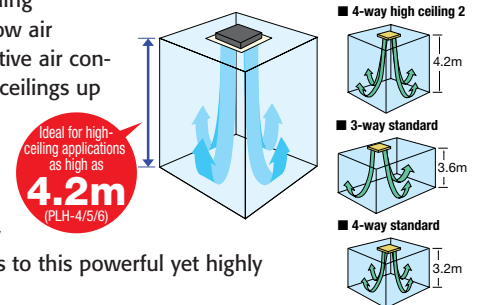
* This feature will not activate when the vane is set at fixed position.



Wide-flow air outlet

The new high-power ceiling cassettes offer a wide-flow air outlet that enables effective air conditioning of atrium-type ceilings up to 4.2 meters in height.

The demands of high-ceiling applications such as halls, showrooms or shopping malls can now be fully answered thanks to this powerful yet highly efficient airflow.



Specifications according to ceiling height and number of vents

	PLH-3			PLH-4/5/6		
	Standard	High ceiling 1	High ceiling 2	Standard	High ceiling 1	High ceiling 2
4-way	2.7	3.0	3.5	3.2	3.6	4.2
3-way	3.0	3.3	3.5	3.6	4.0	4.2
2-way	3.3	3.5	—	4.0	4.2	—

* Optional air outlet shutter plate (PAC-SG06SP-E) is necessary for two- or three-way airflow settings.

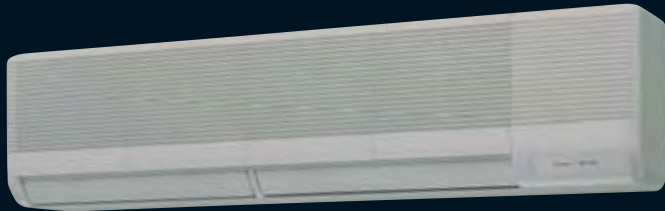
Features at-a-glance

Installation & Maintenance	Comfort	Others
• Chargeless system	• Auto-angle airflow	• System control
• Compact design	• Versatile airflow	• Twin-multi operation
• Drain water lift-up (850mm)	• 72 airflow patterns	• Auto vane shutter
• Handy corner-pocket	• Smudge/draft free	• Auto restart
• Long-life filter (2500 hrs.)	• High ceiling application	• Fresh air intake
• Self-diagnostic function	• Computerized dehumidifier	• Outdoor unit operating range up to 46°C
• Filter indicator (For wired remote controller)	• Quiet operation	
• Flockless vanes	• Bacteria- and mold-resistant filter	



PKH-FAK S E R I E S

PKH-3FAK PKH-4FAK



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Auto-flap shutter

When the unit is turned off, the shutter closes automatically over the air outlet to enhance the stylish design. The shutter also functions as a flap to adjust airflow angle to ensure that comforting air reaches every corner of the room.



Enhanced noise suppression

Low-noise operation has been achieved through the introduction of a "near-silent" fan and a design which minimises airflow resistance.

Model	Sound pressure level (Lo/Hi)
PKH-3	39/45
PKH-4	41/46

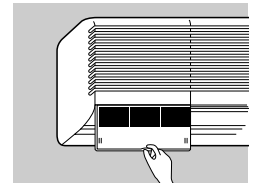
(dB)

Multi-directional piping

To reduce installation time, drain piping can be connected from left and right. Refrigerant piping can also be connected from the rear, left, right and base of the unit.

Easy removable filter

Convenient thumbscrews on the filters enable the filters to be quickly removed for easier cleaning.



Back plate installation guide

To save time and effort, the back plate installation guide provides clear instructions on installation positions. The enlarged back plate secures the unit firmly to the wall, while the support piece which lifts the unit makes the left-side piping work much easier.

Drain lift-up mechanism (optional)

For greater installation flexibility, the drain water pipe lift-up mechanism has been raised 800mm from the base of the unit.

Features at-a-glance

Installation & Maintenance	Comfort	Others
<ul style="list-style-type: none"> • Chargeless system • Easy removable filter • Drain water lift-up (800mm)* • 4-way multi directional piping • Self-diagnostic function 	<ul style="list-style-type: none"> • Auto-angle airflow • Computerized dehumidifier • Quiet operation 	<ul style="list-style-type: none"> • System control • Twin-multi operation • Auto-flap shutter • Outdoor unit operating range up to 46°C

*Optional

PCH-GAK

SERIES

- PCH-3GAK PCH-4GAK
- PCH-5GAK PCH-6GAK



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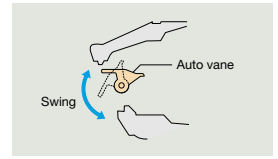


Extra slim, extra stylish

Sleek and slim with stylishly curved lines, the PCH-GAK Series blends right into any interior. It also features a single air outlet with an auto vane that closes like a shutter when the unit is turned off to enhance overall appearance.

Innovative auto vane system

The auto vane system swings up and down automatically to distribute air more evenly throughout the room.



Quiet and comfortable

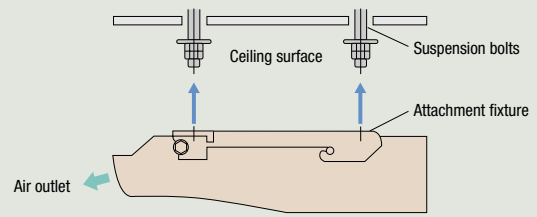
Smoother airflow, an improved air vent design, and a slimmer fan combine to provide exceptionally quiet operation – a mere 43dB on high and 37dB on low (PCH-3GAK).

New direct suspension system

For easier installation, the PCH-GAK Series features a new direct suspension system that makes it unnecessary to remove nuts and bolts from the main body. A one-touch suspension system is also available.

Direct suspension with attachment fixture attached

1. Leave attachment fixture attached to main unit.
2. Suspend the attachment fixture from the suspension bolts.
3. Simply tighten the nuts to secure the unit.



Piping flexibility simplifies installation

All piping, including those related to drainage, can be connected from the right, rear and top of the unit. This provides greater flexibility in selecting piping layout and installation locations.

Flockless vanes

With the adoption of new flockless vanes, dirt and other impurities can be cleaned off easily with mild household detergent.

Fan phase control plus microprocessor control allow airflow settings to match ceiling height.

Drain water lift-up mechanism can be pre-installed (optional).

Features at-a-glance

Installation & Maintenance	Comfort	Others
<ul style="list-style-type: none"> • Chargeless system • New direct suspension system • Drain water lift-up (500mm)* • Flexible piping • Long-life filter (2500 hrs.) • Washable filter* • Self-diagnostic function 	<ul style="list-style-type: none"> • Auto swing • High ceiling application • Computerized dehumidifier • Quiet operation 	<ul style="list-style-type: none"> • System control • Twin-multi operation • Auto restart • Auto vane shutter • Outdoor unit operating range up to 46°C

*Optional

PEH-EAK SERIES

PEH-2.5EAK PEH-3EAK
PEH-4EAK PEH-5EAK PEH-6EAK



PEH-2.5EAK
PEH-3EAK
PEH-4EAK



PEH-5EAK
PEH-6EAK

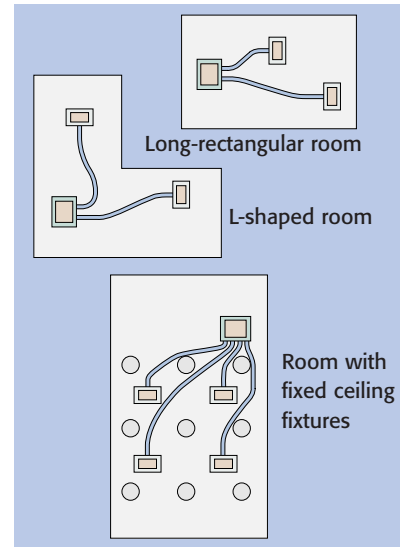


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Limitless installation possibilities

Offering all the benefits of split-type models plus other important advantages, the PEH-EAK Series is not only easy to install but also very versatile. For example, the distance between the air-intake and air-outlet vents can be varied to allow airflow to be positioned in the optimum location.



Computerized dehumidification

The computerized dehumidifier mode – where fan speed is controlled precisely – increases dehumidification volume while improving dehumidifying efficiency.



Features at-a-glance

Installation & Maintenance	Comfort	Others
<ul style="list-style-type: none"> Chargeless system Smooth installation Self-diagnostic function 	<ul style="list-style-type: none"> Computerized dehumidifier Quiet operation 	<ul style="list-style-type: none"> System control Twin-multi operation Auto restart Outdoor unit operating range up to 46°C

PLH-AAK POWER CEILING CASSETTE

Models		PLH-3AAK		PLH-4AAK		PLH-5AAK		PLH-6AAK		
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Capacity	W	7,700	8,400	9,700	10,400	12,400	14,000	14,000	16,100	
Total input	kW	3.32	3.11	3.46	3.45	4.51	4.46	5.07	4.92	
COP	W/W	2.32	2.70	2.80	3.01	2.75	3.14	2.76	3.27	
Indoor unit	Model name	PLH-3AAK		PLH-4AAK		PLH-5AAK		PLH-6AAK		
	External finish	Galvanized sheets with gray heat insulation								
	Power supply	Single phase, 50Hz, 240V								
	Airflow (Lo-Hi)	l/s		250 – 333	333 – 467		367 – 500			
	External static pressure	Pa (mmAq)		0 (direct blow)						
	Sound pressure level (Lo-Hi)	dB		28 – 34	33 – 41		35 – 43		37 – 45	
	Dimensions	W mm	840							
		D mm	840							
H mm		258				298				
Weight	kg	24		30		30		32		
Indoor grille	External finish	Munsell 0.70Y 8.59/0.97								
	Dimensions	W mm	950							
		D mm	950							
		H mm	30							
Weight	kg	5								
Outdoor unit	Model name	PUH-3YKA		PUH-4YKSA		PUH-5YKSA		PUH-6YKSA		
	External finish	Munsell 5Y 7/1								
	Power supply	3-phase 50Hz, 415V (4 wires)								
	Refrigerant (R-22) control	Capillary tube								
	Compressor output	kW		2.4	2.7		3.5		4.0	
	Protection devices	Internal thermostat, HP switch / thermal relay, thermal switch, anti-phase protector		Thermal relay, thermal switch, HP switch, anti-phase protector						
	Airflow	l/s		833		1,584		1,667		
	Crankcase heater	W		38						
	Sound pressure level	dB		52	54		55		56	
	Sound power level	dB		66	69		70		71	
	Dimensions	W mm	870						970	
		D mm	295 + 24						345 + 24	
H mm		850				1,258				
Weight	kg	75		94		114		117		

PKH-FAK WALL MOUNTED

Models		PKH-3FAK		PKH-4FAK		
Function		Cooling	Heating	Cooling	Heating	
Capacity	W	7,900	9,100	9,500	10,700	
Total input	kW	3.25	3.04	3.31	3.30	
COP	W/W	2.43	3.00	2.87	3.24	
Indoor unit	Model name	PKH-3FAK		PKH-4FAK		
	External finish	Munsell 3.4Y 7.7/0.8				
	Power supply	Single phase, 50Hz, 240V				
	Airflow (Lo-Hi)	l/s		250 – 333	367 – 467	
	External static pressure	Pa (mmAq)				
	Sound pressure level (Lo-Hi)	dB		39 – 45	41 – 46	
	Dimensions	W mm	1,400		1,680	
D mm		235				
H mm		340				
Weight	kg	24		28		
Outdoor unit	Model name	PUH-3YKA		PUH-4YKSA		
	External finish	Munsell 5Y 7/1				
	Power supply	3-ph., 50Hz, 415V (4 wires)				
	Refrigerant (R-22) control	Capillary tube				
	Compressor output	kW		2.4	2.7	
	Protection devices	Internal thermostat, HP switch/thermal relay, thermal switch, HP switch, anti-phase protector		Thermal relay, thermal switch, HP switch, anti-phase protector		
	Airflow	l/s		833		1,584
	Crankcase heater	W		38		
	Sound pressure level	dB		52	54	
	Sound power level	dB		66	69	
	Dimensions	W mm	870			
		D mm	295 + 24			
H mm		850		1,258		
Weight	kg	75		94		

PCH-GAK CEILING SUSPENDED

Models		PCH-3GAK		PCH-4GAK		PCH-5GAK		PCH-6GAK		
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Capacity	W	7,600	8,500	10,000	10,450	12,400	13,900	14,500	15,000	
Total input	kW	3.28	3.07	3.36	3.35	4.45	4.40	4.97	4.82	
COP	W/W	2.32	2.77	2.98	3.12	2.79	3.16	2.92	3.11	
Indoor unit	Model name	PCH-3GAK		PCH-4GAK		PCH-5GAK		PCH-6GAK		
	External finish	Munsell 0.70Y 8.59/0.97								
	Power supply	Single phase, 50Hz, 240V								
	Airflow (Lo-Hi)	l/s	233 – 300		333 – 417		450 – 567			
	External static pressure	Pa (mmAq)	0 (direct blow)							
	Sound pressure level (Lo-Hi)	dB	37 – 43		40 – 45		41 – 46		42 – 48	
	Dimensions	W mm	1,310				1,620			
		D mm	680							
H mm		210				270				
Weight	kg	34		37		43		45		
Outdoor unit	Model name	PUH-3YKA		PUH-4YKSA		PUH-5YKSA		PUH-6YKSA		
	External finish	Munsell 5Y 7/1								
	Power supply	3-ph., 50Hz, 415V (4 wires)								
	Refrigerant (R-22) control	Capillary tube								
	Compressor output	kW	2.4		2.7		3.5		4.0	
	Protection devices		Internal thermostat, HP switch/thermal relay, thermal switch, HP switch, anti-phase protector		thermal relay, thermal switch, HP switch, anti-phase protector		Internal thermostat, thermal switch, HP switch, anti-phase protector			
	Airflow	l/s	833				1,584		1,667	
	Crankcase heater	W	38							
	Sound pressure level	dB	52		54		55		56	
	Sound power level	dB	66		69		70		71	
	Dimensions	W mm	870				970			
		D mm	295 + 24							
		H mm	850				1,258			
Weight	kg	75		94		114		117		

PEH-EAK CEILING CONCEALED

Models		PEH-2.5EAK		PEH-3EAK		PEH-4EAK		PEH-5EAK		PEH-6EAK		
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Capacity	W	6,700	6,800	8,000	8,300	9,700	10,400	12,400	13,000	15,200	17,400	
Total input	kW	2.90	2.71	3.47	3.33	3.64	3.63	4.86	4.81	5.81	5.66	
COP	W/W	2.31	2.51	2.31	2.49	2.66	2.87	2.55	2.70	2.62	3.07	
Indoor unit	Model name	PEH-2.5EAK		PEH-3EAK		PEH-4EAK		PEH-5EAK		PEH-6EAK		
	External finish	Galvanized sheets										
	Power supply	Single phase, 50Hz, 240V										
	Airflow (Lo-Hi)	l/s	367 – 450				450 – 567		567 – 700		800 – 1,000	
	External static pressure	Pa (mmAq)	127 (12.7) at Hi-notch									
	Sound pressure level (Lo-Hi)	dB	52 – 55				54 – 58				51 – 55	
	Dimensions	W mm	785				1,055		1,255		1,415	
		D mm	690									
H mm		428										
Weight	kg	45		46		58		72		73		
Outdoor unit	Model name	PUH-2.5AKA		PUH-3VKA / PUH-3YKA		PUH-4YKSA		PUH-5YKSA		PUH-6YKSA		
	External finish	Munsell 5Y 7/1										
	Power supply	Single ph., 50Hz, 240V		Single ph., 50Hz, 240V / 3-ph., 50Hz, 415V (4 wires)				3-ph., 50Hz, 415V (4 wires)				
	Refrigerant (R-22) control	Capillary tube										
	Compressor output	kW	2.0		2.2 / 2.4		2.7		3.5		4.0	
	Protection devices		Internal thermostat, HP switch		Internal thermostat, HP switch/thermal relay, thermal switch, HP switch, anti-phase protector		Thermal relay, thermal switch, HP switch, anti-phase protector		Internal thermostat, thermal switch, HP switch, anti-phase protector			
	Airflow	l/s	833				1,584				1,667	
	Crankcase heater	W	38									
	Sound pressure level	dB	52				54		55		56	
	Sound power level	dB	66				69		70		71	
	Dimensions	W mm	870						970			
		D mm	295 + 24									
		H mm	850						1,258			
Weight	kg	68		75		94		114		117		

GENERAL SPECIFICACIONES FOR ALL MODELS

Notes for All Specifications

- Rating conditions: Cooling - Indoor 27°CDB, 19°CWB; Outdoor 35°CDB
Heating - Indoor 20°CDB ; Outdoor 7°CDB, 6°CWB
- Data based on indicated voltage Indoor unit : 1-ph, 240V, 50Hz
Outdoor unit : 1-ph, 240V, 50Hz/3-ph, 415V, 50Hz
- Refrigerant piping length (one-way): 5m (16ft)
- Refrigerant charge is suitable for 5m piping length.

Guaranteed Operating Range

Limits		Indoors	Outdoors
Cooling	Lower	21°C DB, 15.5°C WB	-5°C DB
	Upper	35°C DB, 22.5°C WB	46°C DB
Heating	Lower	20°C DB	-8.5°C DB, -9.5°C WB
	Upper	27°C DB	21°C DB, 15.5°C WB

Refrigerant Piping

Models	Between indoor & outdoor units			Pipe size O.D., mm	
	Max. height difference, m	Max. piping length, m	Max. number of bends	Liquid	Gas
PLH-3AAK, PKH-3FAK, PCH-3GAK, PEH-2.5EAK, PEH-3EAK	50	50	15	Ø 9.52	Ø 15.88
PKH-4FAK PLH-4/5/6AAK, PCH-4/5/6GAK, PEH-4/5/6EAK	50	50	15	Ø 9.52	Ø 19.05

Optional Refrigerant Pipes

Pipe length	Part number	
5m (16ft)	PAC-05FFS-E	PAC-SC51PI-E
7m (23ft)	PAC-07FFS-E	PAC-SC52PI-E
10m (33ft)	PAC-10FFS-E	PAC-SC53PI-E
15m (49ft)	PAC-15FFS-E	PAC-SC54PI-E
Connection method	Flared-flared	
Pipe size OD, mm (ft)	Liquid: Ø 9.52 (3/8) Gas: Ø 15.88 (5/8) Liquid: Ø 9.52 (3/8) Gas: Ø 19.05 (3/4)	
Applicable models	PKH-3FAK, PLH-3AAK, PCH-3GAK, PEH-2.5EAK, PEH-3EAK	PKH-4FAK, PLH-4/5/6AAK, PCH-4/5/6GAK, PEH-4/5/6EAK

Additional Refrigerant Charge [R-22: kg]

Models	Piping length (one-way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PUH-2.5AKA	0	0	0	0	0	0	0.2	0.2	0.5	0.5
PUH-3VKA/PUH-3YKA	0	0	0	0	0	0	0.2	0.2	0.5	0.5
PUH-4YKSA	0	0	0	0	0	0	0.3	0.3	0.6	0.6
PUH-5YKSA	0	0	0	0	0	0	0.3	0.3	0.6	0.6
PUH-6YKSA	0	0	0	0	0	0	0.3	0.3	0.6	0.6

Cooling Capacity Correction Factors

Models	Correction factors (Cooling / Heating)									
	5	10	15	20	25	30	35	40	45	50
PEH-2.5EAK	1.00/1.00	0.989/1.00	0.980/1.00	0.970/1.00	0.960/1.00	0.950/1.00	0.940/0.998	0.930/0.995	0.920/0.993	0.910/0.990
PKH-3FAK, PCH-3GAK, PLH-3AAK, PEH-3EAK	1.00/1.00	0.981/1.00	0.968/1.00	0.952/1.00	0.940/1.00	0.925/1.00	0.913/0.998	0.900/0.995	0.886/0.993	0.874/0.990
PKH-4FAK PCH-4GAK, PLH-4AAK, PEH-4EAK	1.00/1.00	0.989/1.00	0.980/1.00	0.970/1.00	0.960/1.00	0.950/1.00	0.940/0.998	0.930/0.995	0.920/0.993	0.910/0.990
PCH-5GAK PLH-5AAK, PEH-5EAK	1.00/1.00	0.981/1.00	0.968/1.00	0.952/1.00	0.940/1.00	0.925/1.00	0.913/0.998	0.900/0.995	0.886/0.993	0.874/0.990
PCH-6GAK, PLH-6AAK PEH-6EAK	1.00/1.00	0.975/1.00	0.955/1.00	0.935/1.00	0.918/1.00	0.900/1.00	0.884/0.998	0.869/0.995	0.855/0.993	0.840/0.990

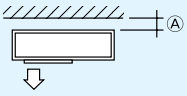
Main Optional Parts

Model	Description	Applicable models
MAC-397IF-E	MA & Control Terminal Interface	New A/K control
PAC-SE55RA-E	Timer Adapter	New A/K control
PAC-725AD	Multiple Remote Controller Adapter (10 sets)	New A/K control
PAC-SE41TS-E	Remote Sensor	New A/K control
PAC-SA46DS-E	Drain Socket	PUH-2.5~4
PAC-SA47DS-E	Drain Socket	PUH-5/6
PAC-292SG-D	Air Outlet Guide	PUH-2.5~6
SDD-50S-E	Distribution Pipe for Twin Use	PUH-5/6
PAC-SG03TM-E	Multi-Function Casement	PLH series
PAC-SG01KF	High Efficiency Filter Element	PLH series
PAC-SG06SP-E	Air Outlet Shutter Plate	PLH series
PAC-SE85DMA-E	Drain Lift-Up Mechanism	PCH-3
PAC-SE86DMA-E	Drain Lift-Up Mechanism	PCH-4~6
PAC-SE81KF-E	High Efficiency Filter	PCH-3/4
PAC-SE82KF-E	High Efficiency Filter	PCH-5/6
PAR-SL99B-E	Wireless Remote Controller	PCH series
PAR-SL97A-E	Wireless Remote Controller	PLH series

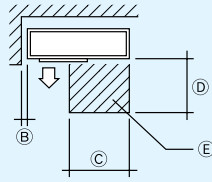
■ Outdoor Unit Installation Location

• When installing a single outdoor unit:

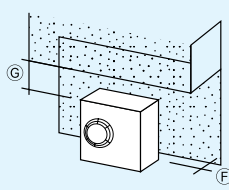
Obstacle at rear only



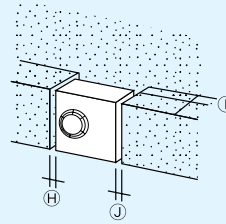
Service space



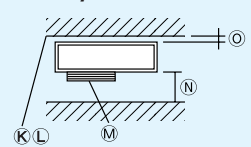
Top obstacles



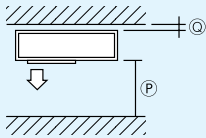
Obstacles at the right, left and rear



Obstacles at the front and rear only



Obstacle at the front and rear only

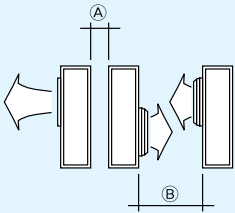


	PUH-2.5, 3	PUH-4,5,6
(A)	100mm or more	150mm or more
(B)	10mm or more	10mm or more
(C)	500mm or more	500mm or more
(D)	500mm or more	500mm or more
(E)	Service space	
(F)	100mm or more	150mm or more
(G)	500mm or more	500mm or more
(H)	10mm or more	10mm or more
(I)	200mm or more	300mm or more

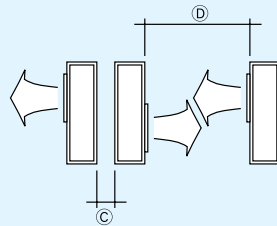
	PUH-2.5, 3	PUH-4,5,6
(J)	10mm or more	10mm or more
(K)	Obstruction width: 1.5 times the width of outdoor unit or smaller	
(L)	Obstruction height: Unit height or lower	
(M)	Air outlet guide	
(N)	500mm or more	500mm or more
(O)	100mm or more	150mm or more
(P)	3000mm or more	3800mm or more
(Q)	100mm or more	150mm or more

• When installing many outdoor units:

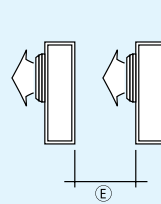
Face-to-face arrangement (with air outlet guides)



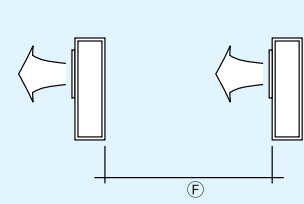
Face-to-face arrangement (without air outlet guides)



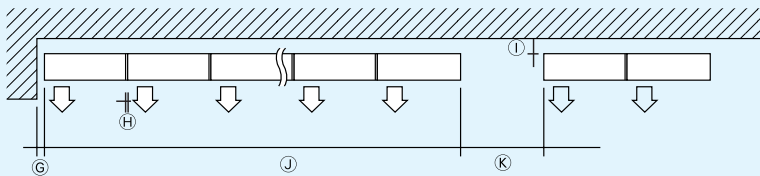
Parallel arrangement (with air outlet guides)



Parallel arrangement (without air outlet guides)



Side-by-side arrangement



	PUH-2.5, 3	PUH-4,5,6
(A)	200mm or more	300mm or more
(B)	500mm or more	500mm or more
(C)	200mm or more	300mm or more
(D)	1200mm or more	1500mm or more
(E)	1000mm or more	1500mm or more
(F)	2000mm or more	2500mm or more
(G)	100mm or more	150mm or more
(H)	10mm or more	10mm or more
(I)	200mm or more	300mm or more
(J)	Up to 10 units (When the optional air outlet guides are used, no more than five units should be arranged side by side.)	
(K)	1000mm or more	1000mm or more

Precautions/recommendations concerning the installation and operation of Mitsubishi Electric Mr. Slim air conditioners.

■ When used in rooms with high ceilings, it is recommended that a ceiling fan or circulator be installed to improve air circulation and temperature variations within the room.

■ The remote-control circuits under microprocessor control remain on at all times whether the air conditioner is or is not in operation. For more economical operation, it is recommended that the main power switch be turned off when the air conditioner(s) is not used for long periods.

■ Avoid using air conditioning units in areas where they are exposed to oil or oily smoke (cooking areas or machine shops). Oil which adheres to the heat exchangers will cause reduced efficiency, generate mist and may damage plastic components.

■ Avoid exposure to high-frequency waves as this may cause the microprocessor to malfunction.

■ Rated noise levels were derived from tests in an anechoic test room. Noise levels may therefore be greater depending on the surroundings, application, and/or manner of installation.

■ Avoid using air conditioners in rooms with high humidity because excessive condensation will occur as the air cools.

■ To avoid fire hazards, do not use air conditioners in areas where inflammable gases are present.

■ Odours for buildings, cosmetics, perspiration, cigarette smoke, etc., may accumulate in the heat exchanger and emanate from the air conditioner. This is not indicative of mechanical trouble.



Certificate Number 49385

Mitsubishi Electric Shizuoka Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of refrigeration and air conditioning equipment.



Certificate Number EC97J1132

Mitsubishi Electric Shizuoka Works acquired environmental management system standard ISO 14001 certification.

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