

P-SERIES

PRODUCT CATALOGUE

AIR CONDITIONER & HEAT PUMP



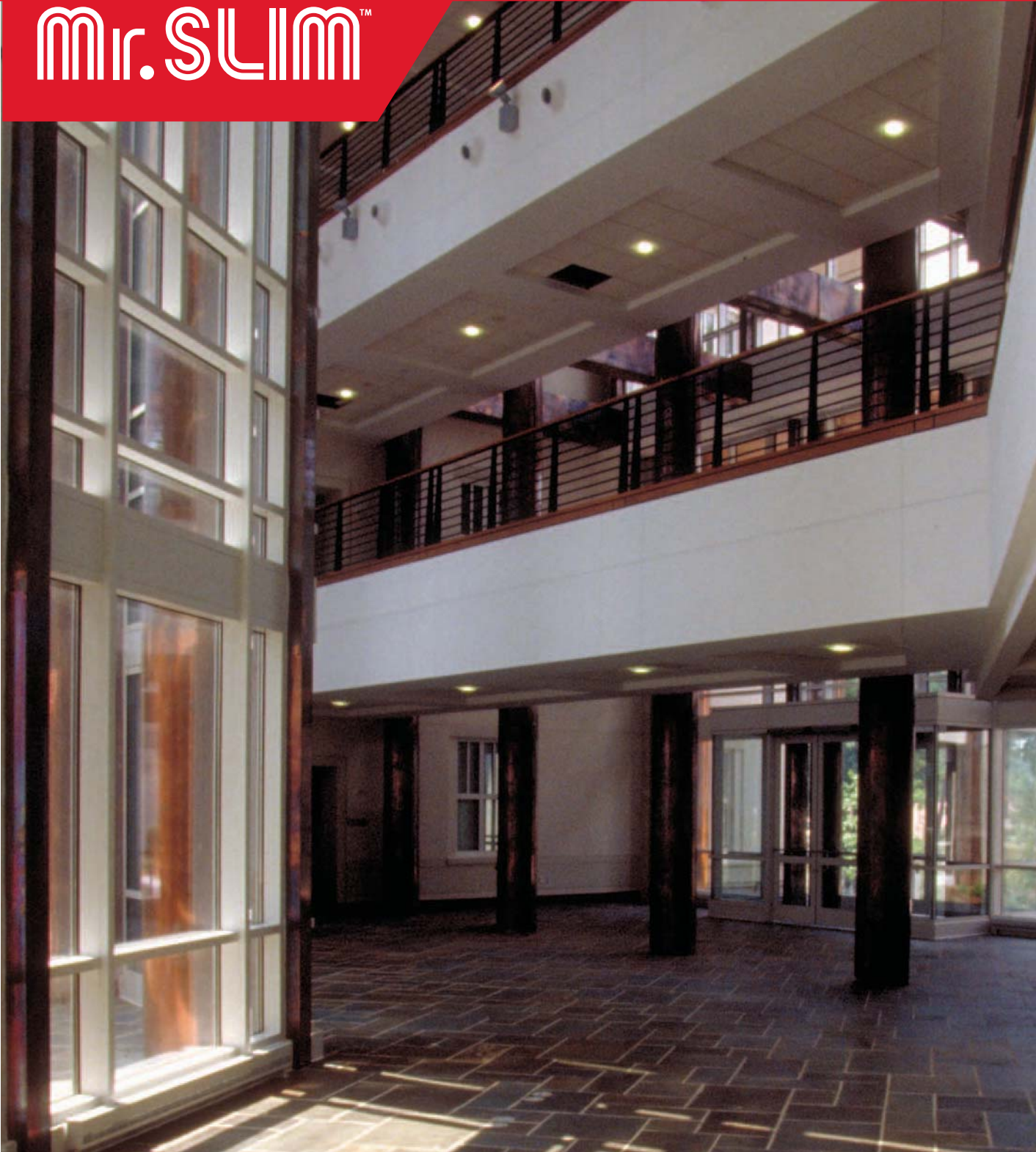
Mr. SLIM™



 **MITSUBISHI ELECTRIC**
Changes for the Better



Mr. SLIM™



P-SERIES



The Attraction of Being Untraditional

■ Mr. Slim P-Series is the ductless solution for demanding environments that require an efficient and reliable heating or cooling system. P-Series ductless systems are stylish, compact, and more attractive than traditional systems. Advanced technology also means your Mr. Slim ductless system will run more efficiently than a conventional unit, saving you from rising energy costs.



Designed for the Toughest Environment

■ No two buildings are alike. Each design, each floor plan, each room offers its own challenges for something as important as proper air conditioning and circulation.



Mr. Slim systems are designed to adapt to your needs. Reliable, easy to install, and extremely quiet, Mr. Slim systems are powerful enough for the toughest situations, from offices and server rooms to equipment rooms, restaurants and retail locations.

TECHNOLOGY AT WORK

ENERGY EFFICIENCY

Variable Compressor Speed Inverter Technology



At the heart of Mr. Slim P-Series ductless air conditioners and heat pumps lies Variable Compressor Speed Inverter (VCSI) technology. Unlike conventional machines which only cycle between On and Off, VCSI systems detect changes in room temperature and readjust the compressor speed to provide high-speed cooling or heating as needed. This means the space maintains a consistent, accurate temperature for the ultimate in comfort, all while using only the power that's needed. By adjusting the air conditioning capacity to run more efficiently, your energy costs are reduced.

VCSI technology saves energy in two ways:

1 VCSI system varies the compressor speed to match the additional load with the potential capacity. When the needs of a room expand – more people in a conference room or auditorium, or an increase in equipment in a server room – so do the needs to maintain consistent temperature levels. By allocating

VCSI Systems	Conventional Systems
VCSI compressor speeds up and slows down to maintain the conditioned space temperature.	Conventional compressor turns on and off to maintain the temperature. A compressor draws more amps at start-up than any other time.
Energy consumed by a VCSI compressor is directly related to the required amount of cooling or heating. (Capacity changes as needed.)	Conventional compressor consumes maximum amount of energy to produce maximum amount of cooling or heating at all times. (Capacity does not change.)
VCSI compressor helps system reach its set point quicker by running at a higher RPM for a shorter period of time, then ramps down to maintain temperature.	Conventional compressor runs at same RPM for longer period of time, then switches on and off to maintain temperature.
Indoor temperature swing is minimized with the VCSI system because the indoor coil activates longer. As temperature changes slightly, compressor speed also adjusts slightly to compensate.	Conventional system kicks back on at full speed to compensate for small changes in temperature.

potential capacity to meet the changing demands, VCSI system uses only the energy needed in any given situation.

2 VCSI system operates efficiently at partial load conditions. Once the desired temperature of the room is reached, the compressor slows down to maintain a constant temperature. By slightly adjusting compressor speed rather than shutting off and on again, energy consumption is kept at a minimum. This is because VCSI system is operating at partial load for maximum efficiency, thus no more excess energy use wasted for running maximum capacity unnecessary on a fixed speed system.

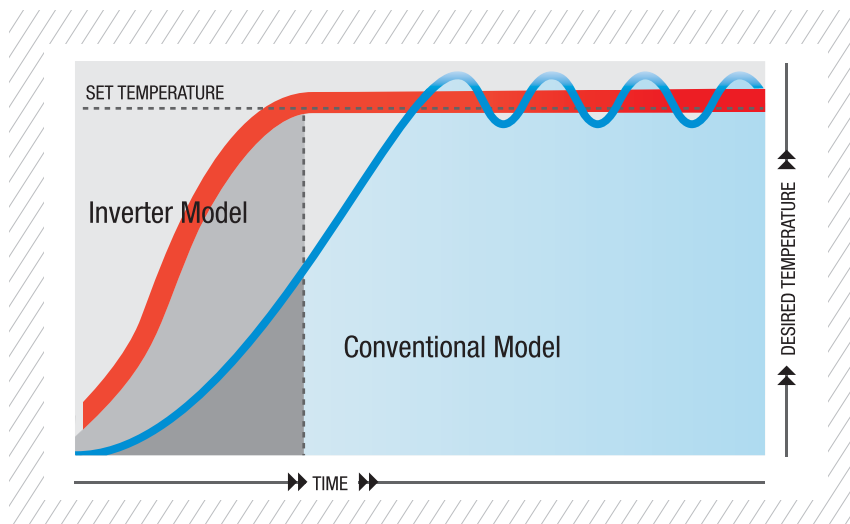


Extra Energy Savings

Compressor speed is precisely controlled to maximize efficiency, changing speeds according to the heating and cooling loads of a room. This lets Mr. Slim systems reach the desired temperature faster while reducing power consumption for extra energy savings.

Optimum Temperature Control

Unlike conventional units which start up and turn off repetitively, the variable compressor detects subtle changes in room temperature and adjusts its speed automatically. This means less temperature fluctuation for a more comfortable environment.

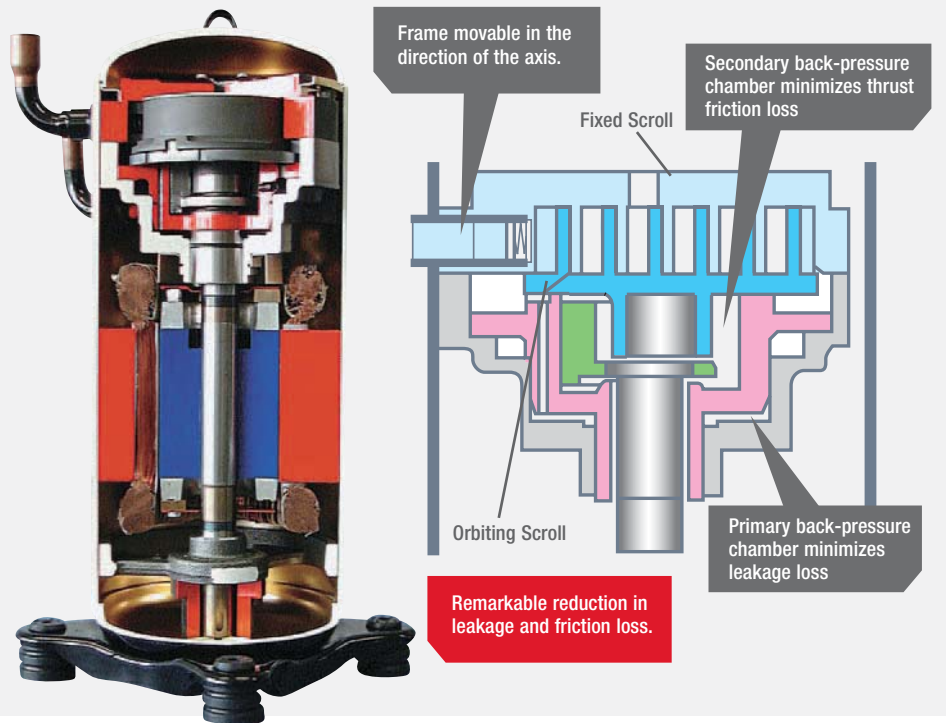


Highly Efficient DC Scroll Compressor

■ The scroll compressor is equipped with a Frame Compliance Mechanism that allows movement in the axial direction of the frame supporting the cradle scroll. This reduces both leaking and friction loss, allowing very high efficiency throughout the speed range.

Reluctance DC Rotor

■ The rotor is equipped with powerful neodymium magnets that use reluctance torque to produce magnetic torque for more efficient operation.



PCA and PLA Fresh Air Intakes

■ Mr. Slim PCA (ceiling suspended) and PLA (ceiling recessed) models allow fresh air in through ducting connected to the indoor units. For advanced control of indoor air quality, interlocked operation featuring Lossnay Energy Recovery Ventilators is also available.

Optional Remote Indoor Temperature Sensor

■ For the utmost in accurate temperature reading. Simply install this optional add-on sensor on a wall, above a window, or wherever else in the room you'd like the Mr. Slim unit to monitor the indoor temperature.

Low Ambient Cooling

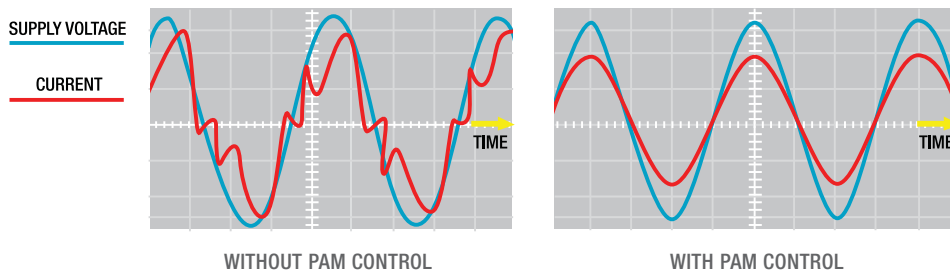
Mr. Slim P-Series comes standard with Low Ambient Cooling to air condition your space even when outdoor temperatures fall to -18°C (0°F). This is especially critical for restaurants, computer and electronic equipment rooms, telecom substations and surveillance mechanical rooms, among others. Optional wind baffle is required.

Special ultra-low ambient options are also available for areas where outdoor temperatures drop to -40°C (-40°F).



PAM

■ Pulse Amplitude Modulation controls the form of the current wave so that it conforms to the supply voltage wave. With PAM control, up to 98% of the input power supply is effectively used.



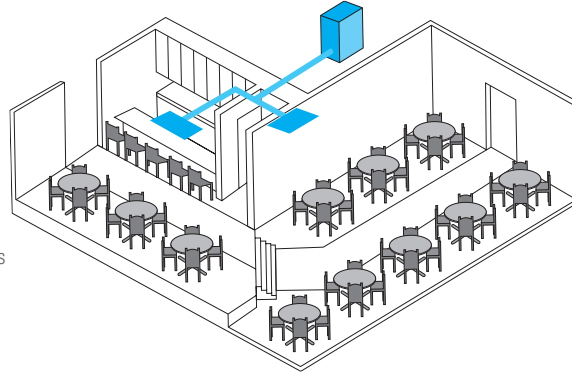
TECHNOLOGY AT WORK

SILENT OPERATION AND ADVANCED CONTROL

Twin Systems for Large Areas

Advantages of Mr. Slim Twin Systems:

- Only one outdoor unit needed, reducing exterior space requirements
- Interior units work together to heat or cool large areas
- Easy installation
- Various indoor combinations available

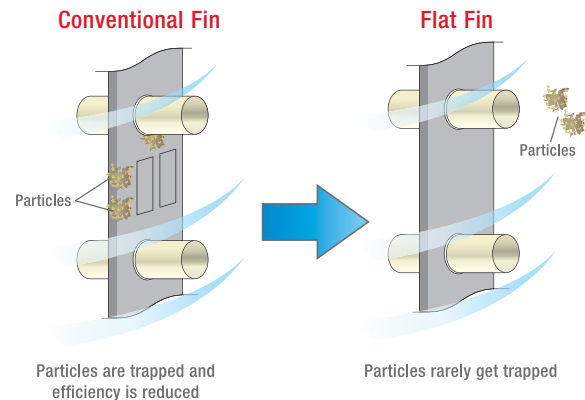
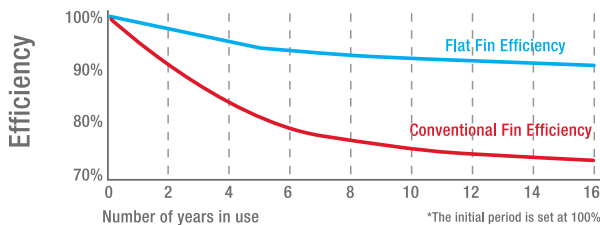


Not all spaces are created equal. Whether it's an L-shaped room or a large conference centre, Mr. Slim P-Series allows two indoor units to operate simultaneously with a single outdoor unit, providing you with all your heating and cooling needs. Temperatures remain consistent throughout the room leaving no corner unreached.

*Available only on PUY-A24/36NHA & PUZ-A24/36NHA

Flat Fin

The highly reliable flat fin is designed to prevent clogging, keeping the unit at maximum efficiency throughout its life span.



Indoor Unit
ONLY
27dB(A)

Super-Quiet Technology

Inside the unit, the multi-angled heat exchanger has a modified fin shape that reduces air resistance for a smoother, quieter airflow. This lowers noise level to only 27dB(A) during normal operation for the new cassette units, making it one of the quietest indoor units in the industry.

DC Fan Motor

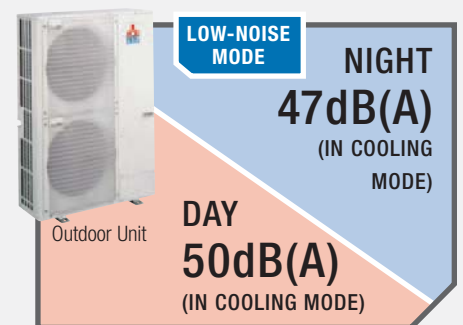
The fan of the outdoor unit is powered by a DC motor, featuring up to 60% greater efficiency than an equivalent AC motor.

Ultra-Silent Outdoor Unit

Aside from the high-efficiency motor, improvements to the fan blade design and the new grille shape make the outdoor unit one of the quietest in the industry. Plus when outside temperatures drop, the external unit reduces operating noise another 3dB(A) by switching to low-noise mode*.

Low-Noise Priority Function

The low-noise priority function is available by connecting a commercially available timer or selector switch.



* At outdoor temperature of 25°C

Slim Smart Remote Control

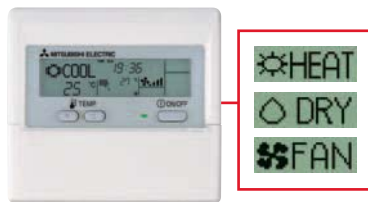
■ The brains behind Mr. Slim P-Series can be found here in the ultra-thin microprocessor remote control. Not only does it allow you to keep room comfort exactly where you want it, you can also see the status of the entire system with just a glance.

The Slim Smart Remote Control connects indoor and outdoor units to a central location to give you an array of temperature and airflow controls, enhanced service and maintenance functions, management security features and multiple systems control.

Slim Smart Remote Control features include:

Liquid Crystal Display

■ The backlit large-size digital display lets you see the operation and control status with just a glance. Also features menu-driven programming.



Multi-Language Display

■ Display can be switched to one of 8 different languages.



English, French, Italian, Chinese, Spanish, German, Russian, & Japanese

Operation Control Function

■ Easy to read and easy to use, the Slim Smart Remote controls many functions that are beneficial to building management. Air conditioning operation can be limited within a set temperature range, an automatic timer switches the air conditioner off, settings can be displayed in either °C / °F and the Operation Lock feature prevents any random modifications to the setting.

Limiting the set temperature range

Sets upper and lower temperature limits to save energy and prevents excessive heating or cooling.

Auto Off Timer

Reduces wasted energy by turning off the air conditioner automatically. Preset times from 30 minutes to 4 hours in 30-minute increments.

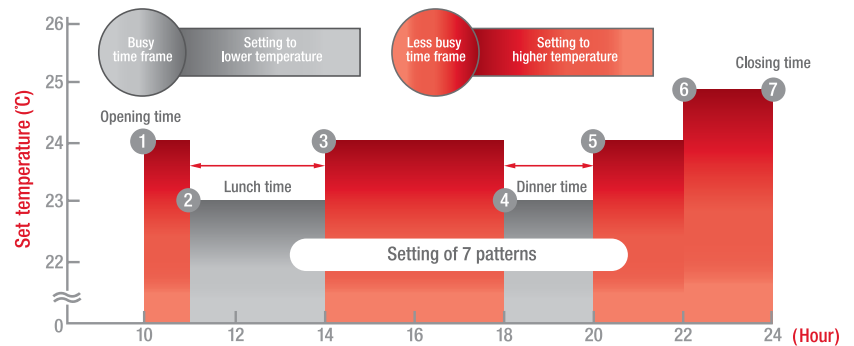
Lock Controller Operation

Disables all buttons or operations on the remote control except for the On/Off button.

Weekly Timer

Remote control includes an embedded weekly timer that allows you to change the temperature to 8 different settings each day.

Setting Example (Restaurant in summer)



*Result of cooperative study with Japan Facility Solution Co. Ltd.

Easy Service and Maintenance Function

With the advanced Mr. Slim A-Control, a simple 3-wire Indoor/Outdoor connecting cable serves as both the indoor power supply and the communication wire that allows for instant system diagnostics, drastically reducing service and maintenance times. This eliminates conventional inspection work such as measuring indoor and outdoor temperatures, as well as the need to remove service panels to measure suction and discharge temperatures.



Mr. SLIM™

PCA-SERIES Ceiling Suspended

COOLING ONLY



Indoor unit



Slim Smart Remote



Outdoor unit
PUY-A24/30/36NHA



Outdoor unit
PUY-A42NHA

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- Auto Restart after Power Failure
- High-Performance Drain Pump (optional)
- Extra-Long Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty

Indoor Unit Model		Outdoor Unit Model		PCA-A24GA PUY-A24NHA	PCA-A30GA PUY-A30NHA	PCA-A36GA PUY-A36NHA	PCA-A42GA PUY-A42NHA
Capacity (Min ~ Max)	Cooling	Btu/h		12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 35,000	18,000 ~ 42,000
Power Input	Cooling	W		2,500	4,100	4,630	5,070
SEER				13.4	13.0	13.1	13.8
EER				9.6	7.3	7.6	8.3
Capacity Control				Variable Compressor Speed			
Refrigerant				R-410A			
Power Supply		V, Phase, Hz		208-230, 1, 60			
Indoor	Dimension (W x D x H)	inch		51 1/16 x 26 3/4 x 8 5/8			51 1/16 x 26 3/4 x 10 1/8
		mm		1,310 x 680 x 210			1,310 x 680 x 270
	Weight	lbs (kg)		75 (34)	75 (34)	82 (37)	82 (37)
	Airflow (Lo-Hi)	CFM Dry		495-635	495-635	705-880	705-880
	Moisture Removal	Pints/h		5.4	8.3	8.2	11.7
	Sound (Lo)	dB(A)		37	37	40	40
	Max. Fuse	A		15	15	15	15
	Min. Ampacity	A		1	1	1	1
	Field Drain Pipe Size	O.D. in. (mm)		1 1/2 (26)	1 1/2 (26)	1 1/2 (26)	1 1/2 (26)
Outdoor	Dimension (W x D x H)	inch		37 3/8 x 13 x 37 1/8			37 3/8 x 13 x 53 1/8
		mm		950 x 330 x 943			950 x 330 x 1,350
	Weight	lbs (kg)		163 (74)	163 (74)	163 (74)	265 (120)
	Sound	dB(A)		48	48	48	51
	Max. Fuse	A		30	40	40	40
	Min. Ampacity	A		18	25	25	26
Pipe Size		Liq. x Gas in. (mm)		3/8 x 3/8 (9.52 x 15.88)			
Max. Height Difference		Ft. (m)		100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length		Ft. (m)		165 (50)	165 (50)	165 (50)	165 (50)



Mr. SLIM™

PCA-SERIES Ceiling Suspended

HEAT PUMP



Indoor unit



Slim Smart Remote



Outdoor unit
PUZ-A24/30/36NHA



Outdoor unit
PUZ-A42NHA

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology
- Auto Change Over between Cooling & Heating
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- Hot Start System to Provide Warmth in the Beginning
- Auto Restart after Power Failure
- High-Performance Drain Pump (optional)
- Extra-Long Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty

Indoor Unit Model		PCA-A24GA	PCA-A30GA	PCA-A36GA	PCA-A42GA
Outdoor Unit Model		PUZ-A24NHA	PUZ-A30NHA	PUZ-A36NHA	PUZ-A42NHA
Capacity (Min ~ Max)	Cooling Btu/h	12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 35,000	18,000 ~ 42,000
	Heating Btu/h	12,000 ~ 28,000	12,000 ~ 34,000	12,000 ~ 38,000	18,000 ~ 48,000
Power Input	Cooling W	2,500	4,100	4,630	5,070
	Heating W	2,570	3,390	3,490	4,850
SEER	Cooling	13.4	13.0	13.1	13.8
EER	Cooling	9.6	7.3	7.6	8.3
HSPF	Heating	8.5	8.5	8.3	8.5
Capacity Control	Variable Compressor Speed				
Refrigerant	R-410A				
Power Supply	V, Phase, Hz 208-230, 1, 60				
Indoor	Dimension (W x D x H)	51 7/8 x 26 3/4 x 8 1/2 1,310 x 680 x 210		51 7/8 x 26 3/4 x 10 1/2 1,310 x 680 x 270	
	Weight	75 (34)	75 (34)	82 (37)	82 (37)
	Airflow (Lo-Hi) CFM Dry	495-635	495-635	705-880	705-880
	Moisture Removal Pints/h	5.4	8.3	8.2	11.7
	Sound (Lo) dB(A)	37	37	40	40
	Max. Fuse A	15	15	15	15
	Min. Ampacity A	1	1	1	1
	Field Drain Pipe Size O.D. in. (mm)	1 1/2 (26)	1 1/2 (26)	1 1/2 (26)	1 1/2 (26)
Outdoor	Dimension (W x D x H)	37 3/8 x 13 x 37 1/2 950 x 330 x 943			37 3/8 x 13 x 53 1/2 950 x 330 x 1,350
	Weight	165 (75)	165 (75)	165 (75)	267 (121)
	Sound (Cool/Heat) dB(A)	48/50	48/50	48/50	51/55
	Max. Fuse A	30	40	40	40
	Min. Ampacity A	18	25	25	26
Pipe Size	Liq. x Gas in. (mm)	3/8 x 3/8 (9.52 x 15.88)			
Max. Height Difference	Ft. (m)	100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length	Ft. (m)	165 (50)	165 (50)	165 (50)	165 (50)



Changes for the Better

All test conditions are based on ARI 210/240.

Rating conditions: Cooling — Indoor: D.B. 26.7°C (80°F), W.B. 19.4°C (67°F); Outdoor: D.B. 35.0°C (95°F), W.B. 23.9°C (75°F)
Heating — Indoor: D.B. 21.1°C (70°F), W.B. 15.6°C (60°F); Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)



Mr. SLIM™

PKA-SERIES Wall Mounted

HEAT PUMP



Indoor unit
PKA-A18GA



Indoor unit
PKA-A24/30/36FA



Slim Smart Remote



Outdoor unit
PUZ-A18NHA



Outdoor unit
PUZ-A24/30/36NHA

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology
- Auto Change Over between Cooling & Heating
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- Hot Start System to Provide Warmth in the Beginning
- Auto Restart after Power Failure
- High-Performance Drain Pump (optional)
- Extra-Long Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty

Indoor Unit Model Outdoor Unit Model			PKA-A18GA PUZ-A18NHA	PKA-A24FA PUZ-A24NHA	PLA-A30FA PUZ-A30NHA	PLA-A36FA PUZ-A36NHA
Capacity (Min ~ Max)	Cooling	Btu/h	8,000 ~ 18,000	12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 34,200
	Heating	Btu/h	8,000 ~ 20,000	12,000 ~ 28,000	12,000 ~ 34,000	12,000 ~ 38,000
Power Input	Cooling	W	2,240	2,650	4,400	5,030
	Heating	W	2,130	2,570	3,660	3,610
SEER	Cooling		14.1	13.5	13.0	13.1
EER	Cooling		8.0	9.1	6.8	6.8
HSPF	Heating		8.3	8.5	8.5	8.3
Capacity Control	Variable Compressor Speed					
Refrigerant	R-410A					
Power Supply	V, Phase, Hz		208-230, 1, 60			
Indoor	Dimension (W x D x H)	inch	39 x 9 ¼ x 13 ¾	55 ½ x 9 ¼ x 13 ¾	66 ½ x 9 ¼ x 13 ¾	
		mm	990 x 235 x 340	1,400 x 235 x 340	1,680 x 235 x 340	
	Weight	lbs (kg)	35 (16)	53 (24)	53 (24)	62 (28)
	Airflow (Lo-Hi)	CFM Dry	320-425	530-705	530-705	780-990
	Moisture Removal	Pints/h	4.8	4.7	8.1	7.1
	Sound (Lo)	dB(A)	36	39	39	46
	Max. Fuse	A	15	15	15	15
	Min. Ampacity	A	1	1	1	1
	Field Drain Pipe Size	O.D. in. (mm)	1 ½ (20)	1 ½ (20)	1 ½ (20)	1 ½ (20)
Outdoor	Dimension (W x D x H)	inch	31 ½ x 13 x 23 ¾	37 ¾ x 13 x 37 ¾		
		mm	800 x 330 x 600	950 x 330 x 943		
	Weight	lbs (kg)	99 (45)	165 (75)	165 (75)	165 (75)
	Sound (Cool/Heat)	dB(A)	46/47	48/50	48/50	48/50
	Max. Fuse	A	20	30	40	40
	Min. Ampacity	A	13	18	25	25
Pipe Size	Liq. x Gas in. (mm)		¼ x ½ (6.35 x 12.7)	¾ x ¾ (9.52 x 15.88)		
Max. Height Difference	Ft. (m)		100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length	Ft. (m)		100 (30)	165 (50)	165 (50)	165 (50)



All test conditions are based on ARI 210/240.
 Rating conditions: Cooling — Indoor: D.B. 26.7°C (80°F), W.B. 19.4°C (67°F); Outdoor: D.B. 35.0°C (95°F), W.B. 23.9°C (75°F)
 Heating — Indoor: D.B. 21.1°C (70°F), W.B. 15.6°C (60°F); Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)



Mr. SLIM™

PKA-SERIES Wall Mounted

COOLING ONLY



Indoor unit
PKA-A12/18GA



Indoor unit
PKA-A24/30/36FA



Slim Smart Remote



Outdoor unit
PUY-A12/18NHA



Outdoor unit
PUY-A24/30/36NHA

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- Auto Restart after Power Failure
- High-Performance Drain Pump (optional)
- Extra-Long Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty

Indoor Unit Model		PKA-A12GA	PKA-A18GA	PKA-A24FA	PKA-A30FA	PKA-A36FA
Outdoor Unit Model		PUY-A12NHA	PUY-A18NHA	PUY-A24NHA	PUY-A30NHA	PUY-A36NHA
Capacity (Min ~ Max)	Cooling Btu/h	6,000 ~ 12,000	8,000 ~ 18,000	12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 34,200
Power Input	Cooling W	1,210	2,240	2,650	4,400	5,030
SEER		13.8	14.1	13.5	13.0	13.1
EER		9.9	8.0	9.1	6.8	6.8
Capacity Control		Variable Compressor Speed				
Refrigerant		R-410A				
Power Supply	V, Phase, Hz	208-230, 1, 60				
Indoor	Dimension	inch		55 1/8 x 9 1/4 x 13 3/8		66 1/8 x 9 1/4 x 13 3/8
	(W x D x H)	mm		1,400 x 235 x 340		1,680 x 235 x 340
	Weight	lbs (kg)	35 (16)	35 (16)	53 (24)	53 (24)
	Airflow (Lo-Hi)	CFM Dry	320-425	320-425	530-705	530-705
	Moisture Removal	Pints/h	1.5	4.8	4.7	8.1
	Sound (Lo)	dB(A)	36	36	39	39
	Max. Fuse	A	15	15	15	15
	Min. Ampacity	A	1	1	1	1
	Field Drain Pipe Size	O.D. in. (mm)	1 3/16 (20)	1 3/16 (20)	1 3/16 (20)	1 3/16 (20)
Outdoor	Dimension	inch		31 1/2 x 13 x 23 3/8		37 3/8 x 13 x 37 1/8
	(W x D x H)	mm		800 x 330 x 600		950 x 330 x 943
	Weight	lbs (kg)	90 (41)	97 (44)	163 (74)	163 (74)
	Sound	dB(A)	46	46	48	48
	Max. Fuse	A	15	20	30	40
	Min. Ampacity	A	13	13	18	25
Pipe Size	Liq. x Gas in. (mm)	1/4 x 1/2 (6.35 x 12.7)		3/8 x 3/8 (9.52 x 15.88)		
Max. Height Difference	Ft. (m)	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length	Ft. (m)	100 (30)	100 (30)	165 (50)	165 (50)	165 (50)



Mr. SLIM™

PLA-SERIES 4-Way Ceiling Cassette

HEAT PUMP

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology Only 27db(A)
- Easy Maintenance with Self-Diagnostic Feature
- 72 Airflow Patterns with 4-Notch Fan Speeds
- Hot Start System to Provide Warmth in the Beginning
- Auto Restart after Power Failure
- Built-in High-Performance Drain Pump
- Extra-Long Pipe Length - up to 165 ft.
- Auto Change Over between Cooling & Heating
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Handy Corner Pocket for Ease of Installation and Service
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty



Indoor unit



Slim Smart Remote



Outdoor unit
PUZ-A12/18NHA



Outdoor unit
PUZ-A24/30/36NHA



Outdoor unit
PUZ-A42NHA

Indoor Unit Model		PLA-A18AA	PLA-A24AA	PLA-A30AA	PLA-A36AA	PLA-A42AA
Outdoor Unit Model		PUZ-A18NHA	PUZ-A24NHA	PUZ-A30NHA	PUZ-A36NHA	PUZ-A42NHA
Capacity (Min ~ Max)	Cooling Btu/h	8,000 ~ 18,000	12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 35,000	18,000 ~ 42,000
	Heating Btu/h	8,000 ~ 20,000	12,000 ~ 28,000	12,000 ~ 34,000	12,000 ~ 38,000	18,000 ~ 48,000
Power Input	Cooling W	1,870	2,500	4,100	4,510	4,820
	Heating W	1,620	2,570	3,370	3,490	5,070
SEER	Cooling	13.2	13.4	13.0	13.1	13.1
EER	Cooling	9.6	9.6	7.3	7.8	8.7
HSPF	Heating	8.3	8.5	8.5	8.3	8.5
Capacity Control		Variable Compressor Speed				
Refrigerant		R-410A				
Power Supply	V, Phase, Hz	208-230, 1, 60				
Indoor	Dimension (W x D x H)	33 3/8 x 33 3/8 x 10 3/8			33 3/8 x 33 3/8 x 11 3/8	
		840 x 840 x 258			840 x 840 x 298	
	Weight	53 (24)	53 (24)	53 (24)	66 (30)	71 (32)
	Airflow (Lo-Hi)	530-710	530-710	530-710	710-990	710-990
	Moisture Removal	1.5	5.0	8.1	7.2	10.9
	Sound (Lo)	28	28	28	33	33
	Max. Fuse	15	15	15	15	15
	Min. Ampacity	1	1	1	2	2
	Field Drain Pipe Size	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Outdoor	Dimension (W x D x H)	31 1/2 x 13 x 23 3/8		37 3/8 x 13 x 37 3/8		37 3/8 x 13 x 53 3/8
		800 x 330 x 600		950 x 330 x 943		950 x 330 x 1,350
	Weight	99 (45)	165 (75)	165 (75)	165 (75)	267 (121)
	Sound (Cool/Heat)	46/47	48/50	48/50	48/50	51/55
	Max. Fuse	20	30	40	40	40
	Min. Ampacity	13	18	25	25	26
Pipe Size	Liq. x Gas in. (mm)	3/4 x 1/2 (6.35 x 12.7)		3/4 x 3/4 (9.52 x 15.88)		
Max. Height Difference	Ft. (m)	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length	Ft. (m)	100 (30)	165 (50)	165 (50)	165 (50)	165 (50)



Changes for the Better

All test conditions are based on ARI 210/240.

Rating conditions: Cooling — Indoor: D.B. 26.7°C (80°F), W.B. 19.4°C (67°F); Outdoor: D.B. 35.0°C (95°F), W.B. 23.9°C (75°F)
Heating — Indoor: D.B. 21.1°C (70°F), W.B. 15.6°C (60°F); Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)



Mr. SLIM™

PLA-SERIES 4-Way Ceiling Cassette

COOLING ONLY



Indoor unit



Slim Smart Remote



Outdoor unit
PUY-A12/18NHA



Outdoor unit
PUY-A24/30/36NHA



Outdoor unit
PUY-A42NHA

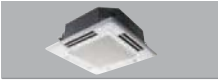



- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Significant Energy Savings up to 30%
- Super-Quiet Technology Only 27dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- 72 Airflow Patterns with 4-Notch Fan Speeds
- Auto Restart after Power Failure
- Built-in High-Performance Drain Pump
- Extra-Long Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- Handy Corner Pocket for Ease of Installation and Service
- Weekly Timer - up to 8 Patterns Each Day
- 1-Year Parts Warranty
- 6-Year Compressor Warranty

Indoor Unit Model			PLA-A12AA	PLA-A18AA	PLA-A24AA	PLA-A30AA	PLA-A36AA	PLA-A42AA
Outdoor Unit Model			PUY-A12NHA	PUY-A18NHA	PUY-A24NHA	PUY-A30NHA	PUY-A36NHA	PUY-A42NHA
Capacity (Min ~ Max)	Cooling	Btu/h	6,000 ~ 12,000	8,000 ~ 18,000	12,000 ~ 24,000	12,000 ~ 30,000	12,000 ~ 35,000	18,000 ~ 42,000
Power Input	Cooling	W	1,260	1,870	2,500	4,100	4,510	4,820
SEER			13.0	13.2	13.4	13.0	13.1	13.1
EER			9.5	9.6	9.6	7.3	7.8	8.7
Capacity Control			Variable Compressor Speed					
Refrigerant			R-410A					
Power Supply	V, Phase, Hz		208-230, 1, 60					
Indoor	Dimension (W x D x H)	inch	33 1/8 x 33 1/8 x 10 3/8				33 1/8 x 33 1/8 x 11 3/8	
		mm	840 x 840 x 258				840 x 840 x 298	
	Weight	lbs (kg)	49 (22)	53 (24)	53 (24)	53 (24)	66 (30)	71 (32)
	Airflow (Lo-Hi)	CFM Dry	390-490	530-710	530-710	530-710	710-990	710-990
	Moisture Removal	Pints/h	1.8	1.5	5.0	8.1	7.2	10.9
	Sound (Lo)	dB(A)	27	28	28	28	33	33
	Max. Fuse	A	15	15	15	15	15	15
	Min. Ampacity	A	1	1	1	1	2	2
	Field Drain Pipe Size	O.D. in. (mm)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Outdoor	Dimension (W x D x H)	inch	31 1/2 x 13 x 23 3/8			37 3/8 x 13 x 37 3/8		37 3/8 x 13 x 53 1/8
		mm	800 x 330 x 600			950 x 330 x 943		950 x 330 x 1,350
	Weight	lbs (kg)	90 (41)	97 (44)	163 (74)	163 (74)	163 (74)	265 (120)
	Sound	dB(A)	46	46	48	48	48	51
	Max. Fuse	A	15	20	30	40	40	40
	Min. Ampacity	A	13	13	18	25	25	26
Pipe Size	Liq. x Gas in. (mm)		3/4 x 1/2 (6.35 x 12.7)			3/8 x 3/8 (9.52 x 15.88)		
Max. Height Difference	Ft. (m)		100 (30)	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
Max. Pipe Length	Ft. (m)		100 (30)	100 (30)	165 (50)	165 (50)	165 (50)	165 (50)

Lineup

The compact design of the P-Series makes cooling and heating difficult spaces a breeze. With wall-mounted, ceiling-recessed, and ceiling-suspended options, the P-Series is the perfect solution for almost any commercial or large residential application.

Mr. Slim P-Series units deliver flexible and convenient cooling and heating solutions of up to 42,000 BTU/h.

Model Name		12kBtu/h	18kBtu/h	24kBtu/h	30kBtu/h	36kBtu/h	42kBtu/h
 4-way Cassette PLA Series	Cooling	●	●	●	●	●	●
	Heating		●	●	●	●	●
 Ceiling Suspended PCA Series	Cooling			●	●	●	●
	Heating			●	●	●	●
 Wall Mounted PKA-GA Series	Cooling	●	●				
	Heating		●				
 Wall Mounted PKA-FA Series	Cooling			●	●	●	
	Heating			●	●	●	

Mitsubishi Electric Quality marks over 70 years of excellence in technology, design and manufacturing, representing the highest standards of comfort, durability and efficiency.



Our quality assurance program is guided by our stringent Quality Policy, which ensures that all phases of the development process – from design and manufacture to the finished product – must meet our standards.

What it means to you is that Mitsubishi Electric simply makes the best air conditioners that you can buy today.

COMFORT	DURABILITY	EFFICIENCY
Quiet operation	Strict performance tests	Energy saving
Optimal temperature distribution	Easy-to-clean design	Money saving
Clean, filtered air	Replacement parts available	Space saving



Line Test



Sound Test



Performance Test



Endurance Test



Heat Stress Test



Saltwater Spray Rust Test

Mr. SLIM™

MITSUBISHI
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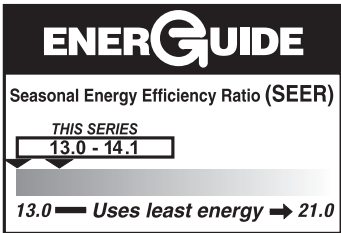
Mr. SLIM


R410A



Certificate Number 79222 Certificate Number 78649

Mitsubishi Electric Consumer Products has acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO). The plant has also acquired environmental management system standard ISO 14001 certification.



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Changes for the Better