

Mr.SLIM[®] p-series

HEAT PUMPS & AIR CONDITIONERS



10 YEAR
PARTS & COMPRESSOR
WARRANTY

*When installed by a MEQ certified HVAC (Heating, Ventilation, and Air Conditioning) Installer. Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details.



Heating and Cooling

The Ultimate Technology For Server Room Cooling and Light Commercial HVAC Applications

For more than 30 years, Mitsubishi Electric has been a leader in Canada providing the most energy-efficient, environmentally friendly HVAC products.

Mitsubishi Electric's advanced technologies include INVERTER-driven compressor systems which use only the exact amount of energy needed to heat or cool an area. This feature provides users with energy and cost savings while experiencing precise control over their personal comfort year-round.

PROTECTING DATA HAS NEVER BEEN MORE IMPORTANT

The -40°C/F unit is the market leader in low-ambient cooling. Keeping server/equipment rooms cool is vital to the protection and availability of sensitive and highly confidential information. The P-Series cooling systems feature proven Low and Ultra Low Ambient cooling operation that is specifically designed for the Canadian climate. They continue to operate efficiently and effectively even when outside temperatures reach as low as -40°C/F.

ZONE CONTROL PLUS PERSONAL CONTROL

Split ductless, low-profile ducted and multi-position ducted systems use refrigerant lines to connect outdoor units to indoor air handlers. The result: the capacity within any space with an indoor unit installed can be controlled to provide the perfect temperature. Along with the capability to provide precise temperature control for any space, Mitsubishi Electric systems also offer the unique ability to condition only those spaces in use at any given time.

STATE-OF-THE-ART DESIGN AND SMARTER FUNCTIONALITY

When you choose Mitsubishi Electric P-Series products for server room protection, light commercial and large-scale residential applications, you're making an excellent choice that users will appreciate for its intelligent function and the personalized comfort control it delivers.

QUALITY

Mitsubishi Electric is consistently recognized by HVAC contractors as the #1 preferred ductless brand with the highest quality rating among manufacturers. Our products provide extraordinary service life extending years beyond the norm.

EXPLORE PERFORMANCE

Mitsubishi Electric delivers a complete range of compact and powerful heating and cooling products that are intelligent, energy-efficient and whisper quiet.


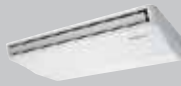
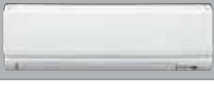


EXPLORE TRAINING

Comprehensive product and application instruction is provided through Mitsubishi Electric Heating & Cooling.

P-SERIES

The compact design of the P-Series makes heating and cooling difficult spaces a breeze. With wall-mounted, 4-way ceiling cassette, ceiling-suspended, ceiling-concealed, and multi-position AHU 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 heating and cooling 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-HA/KA	Cooling	●	●	●	●	●	
	Heating	●	●	●*	●*	●*	
 Ceiling-Concealed PEAD Series	Cooling	●	●	●	●	●	●
	Heating	●	●	●*	●*	●*	●*
 Multi-Position AHU PVA Series	Cooling	●	●	●	●	●	●
	Heating	●	●	●*	●*	●*	●*

* Available with Hyper Heat Inverter (H²i™) Heat Pump System

Commercial-grade HVAC Applications?

Rely on Mitsubishi Electric's rugged, efficient P-Series systems to deliver maximum personalized comfort control plus energy savings for any light commercial application.

P-Series systems are backed with reliable technical and application support from Mitsubishi Electric Heating & Cooling. Our innovative technologies, advanced designs, and super-efficient systems are the right solution for your light commercial, institutional, and large residential installations.

P-Series heat pumps and air conditioners are the perfect choice for an array of demanding light commercial or large residential applications:

- Small office buildings
- Conference rooms
- Server/equipment rooms
- Large open residential floor plans
- Retail shops
- Restaurant and kitchens
- Fitness centers
- Daycares
- Classrooms
- Critical service, high reliability locations
- Places of worship
- Hotels
- Nursing homes
- Hospitals
- Warehouses
- Areas where low ambient cooling to -40° C/F is needed (when Mitsubishi Electric windscreen is installed)



PCA
Ceiling-suspended Indoor Unit

PKA
Wall-mounted Indoor Unit

PEAD
Horizontal-ducted Indoor Unit

PLA
Ceiling-cassette Indoor Unit

PUY/Z
Cooling only / Heat Pump
Outdoor Units

PROTECT YOUR MOST VALUABLE ASSETS

Low Ambient Cooling

The -40°C/F unit: The market leader in low-ambient cooling

There's a reason the P-Series is known as THE -40°C/F unit – in fact, there are several. Mitsubishi Electric has an immaculate track record of cooling server rooms in outdoor temperatures as low as -40°C/F for over 25 years. Systems are installed in Canada's coldest climates and have been operating in extreme conditions. There are P-Series units that have been in continuous cooling operation in Canada for over two decades – that's 175,000 running hours and still counting!



Protecting your valuable information

Keeping server/equipment rooms cool is vital to the protection and availability of sensitive and highly confidential valuable information.

Mitsubishi Electric's precision cooling products are designed to deliver equipment room cooling, maintaining the separation of hot and cold aisle.

The cold air discharged from the cooling equipment is directed to the front intake of the server and expelled through the rear exhaust side. The circulation of air through the servers in this manner ensures that it stays cool.

Heat generated from equipment is regarded as sensible heat (changes the temperature of an object) containing no moisture. Static electricity is generated when the air stream is dry, and damage to servers can be caused under this type of condition. Precision cooling equipment, such as Mitsubishi Electric's P-series models, provides a high rate of sensible cooling (removal of sensible heat) with little moisture removal, helping to keep static charge condition at a minimum.

Equipment rooms, including server rooms, require year round cooling and Mitsubishi Electric's products are suited to operate in varying outdoor temperatures ranging from 45°C to -40°C/F.

Designed and built for 24/7/365 cooling



The P-Series true commercial grade cooling systems feature proven Low and Ultra Low Ambient cooling operation that is specifically designed for the Canadian climate. They continue to operate efficiently and effectively even when outside temperatures reach as low as -40°C/F.

The compressors in residential grade cooling systems are not designed to deliver 24/7 cooling in Canadian winters. Running them continuously during extreme cold conditions can lead to excessively low condensing pressure, which can result in a series of malfunctions and premature compressor failures. The P-Series cooling units feature fast auto restart functionality which allows the system to cool immediately where conventional residential systems require a minimum off time. This feature guarantees cooling when you need it.

P-SERIES RESIDENTIAL APPLICATIONS

WESTMAN VILLAGE CASE STUDY

Mitsubishi Electric's Largest Canadian Multi-Unit Residential Village using P-Series Products

Westman Village is a new development by Jayman BUILT located in the community of Mahogany in Calgary, Alberta. The development is directly backing onto Mahogany Lake. The project thoughtfully weaves convenience, diversity and accessibility into an all-inclusive suburban community concept. Redefining the way new homes are built, bought and lived in, the carefully designed community includes condominiums, townhomes, seniors' residences and long-term leasing condos. The five different product types feature desirable amenities, connectivity and concierge services.

This project is Mitsubishi Electric's largest Canadian multi-unit residential development. Mitsubishi Electric individual split and centralized VRF systems were chosen thanks to their efficiency and reputation. Their whisper-quiet sound was also a deciding factor, as the units emit about half the noise of a regular unit in a house. The slim, suitcase-style units were perfect for more compact living spaces. Ease of maintenance was also a deciding factor. Furthermore, the Mitsubishi Electric units are all about consumer comfort and use unique design and engineering solutions to deliver it.



"We were attracted to the Mitsubishi Electric brand because we consider it the Cadillac of heating and cooling units. For us getting into leased seniors and rentals, we wanted a product that was going to be somewhat maintenance free and last the test of time. From what we've heard, these units hold up. We did our research."

– Dennis Aucoin, Senior Development Manager/Senior Project Manager, Westman Village, Jayman BUILT



SYSTEM INSTALLED

Total Outdoor Units - 683

Total Indoor Units - 649

Indoor Units:

PVA Multi-Position Air Handler – 649

Outdoor Units:






PUY Ceiling Suspended – 683



PKA-A24KA7

P-Series Cooling Capacity Specifications

All models feature lead-lag control, 100% back-up, stand-by, and ability to integrate with BMS via BACnet, LonWorks or optional DDC control. P-Series offers five models of evaporator units that can save valuable floor space:

P-Series Condensers		PUY-A12NKA7	PUY-A18NKA7	PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7	PUY-A42NKA7
	4-WAY CEILING-CASSETTE	PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
	COOLING CAPACITY (TOTAL - BTU/H)	10,743	15,461	20,833	24,407	31,250	33,788
	COOLING CAPACITY (SHF)	0.99	0.95	0.96	0.90	0.96	0.89
	WALL-MOUNTED	PKA-A12HA7	PKA-A18HA7	PKA-A24KA7	PKA-A30KA7	PKA-A36KA7	
	COOLING CAPACITY (TOTAL - BTU/H)	9,872	12,683	18,872	21,683	26,020	
	COOLING CAPACITY (SHF)	0.91	0.78	0.87	0.80	0.80	
	CEILING-SUSPENDED			PCA-A24KA7	PCA-A30KA7	PCA-A36KA7	PCA-A42KA7
	COOLING CAPACITY (TOTAL - BTU/H)			18,000	21,411	27,000	29,975
	COOLING CAPACITY (SHF)			0.83	0.79	0.83	0.79
	CEILING-CONCEALED	PEAD-A12AA7	PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	PEAD-A42AA7
	COOLING CAPACITY (TOTAL - BTU/H)	10,090	14,154	16,911	21,138	27,654	32,644
	COOLING CAPACITY (SHF)	0.93	0.87	0.78	0.78	0.85	0.86
	MULTI-POSITION AHU	PVA-A12AA7	PVA-A18AA7	PVA-A24AA7	PVA-A30AA7	PVA-A36AA7	PVA-A42AA7
	COOLING CAPACITY (TOTAL - BTU/H)	9,436	13,990	20,179	22,773	28,308	34,551
	COOLING CAPACITY (SHF)	0.87	0.86	0.93	0.84	0.87	0.91

Above specs rated at 7-15°C DB, 61°F WB (indoor); 9-15°C DB (outdoor)

ENERGY EFFICIENCY

A compressor designed to last

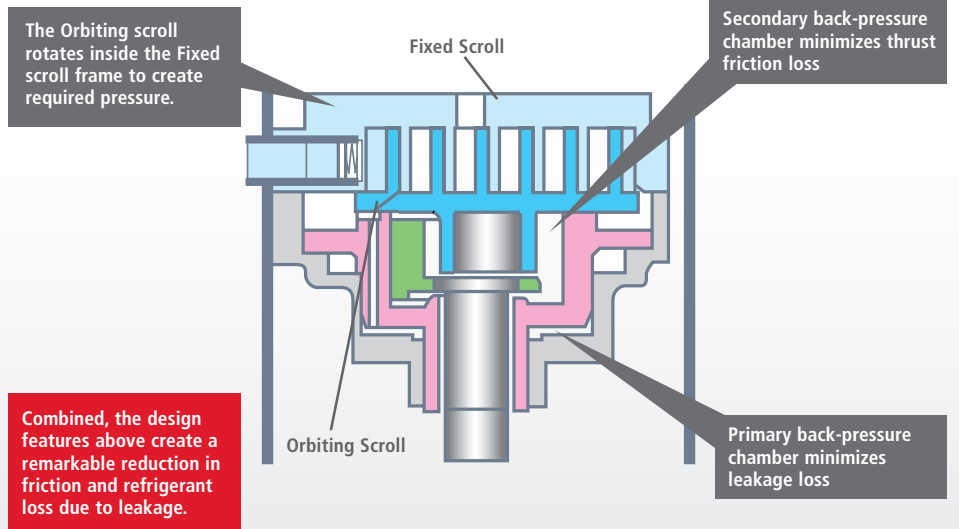


At the heart of Mr. Slim P-Series heat pumps and air conditioners lies Variable Compressor Speed Inverter (VCSI) technology. Unlike conventional machines which only cycle between On and Off, VCSI systems detect changes in room temperature and readjust the compressor speed to provide heating or cooling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

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.

A compressor designed to last

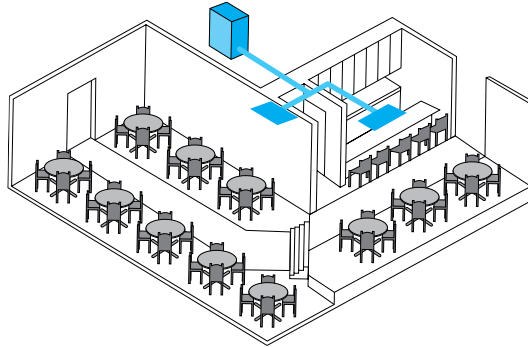
The rugged design of the DC scroll compressor ensures high efficiency even in the most rigorous commercial environments. The Frame Compliance Mechanism allows movement in the axial direction of the frame supporting the cradle scroll, which reduces both leaking and friction loss.



SYSTEM FEATURES

Heat and cool challenging spaces with Twinning systems

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.



Advantages of Mr. Slim Twin Systems:

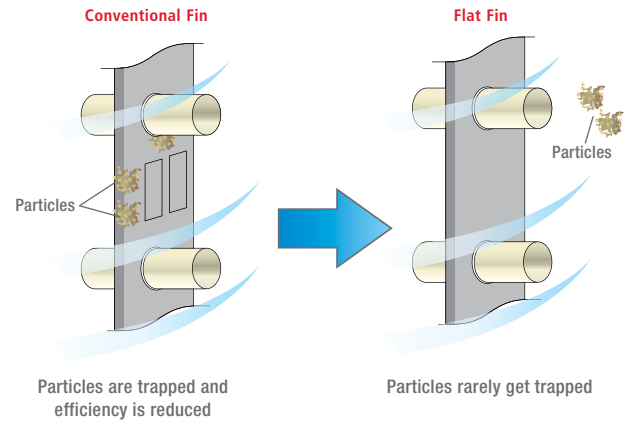
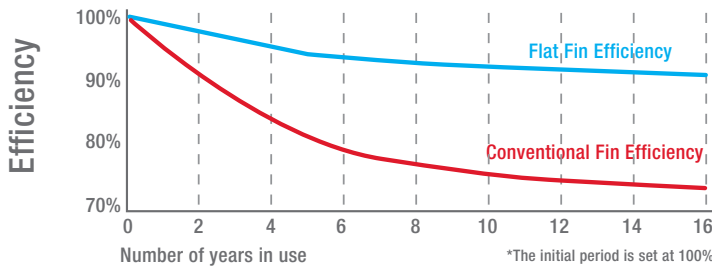
- Interior units work together to heat or cool large areas
- Easy installation
- Various indoor combinations available
- Achieve balanced temperature in large spaces with a single system

*Available only on PUY-A24/36NHA, PUZ-A24/36NHA and PUZ-HA36NHA

Reduce maintenance

Flat Fin Coil Design

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 outdoor 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.



Outdoor Unit

LOW-NOISE
MODE*

NIGHT
47dB(A)
(IN COOLING
MODE)

DAY
50dB(A)
(IN COOLING MODE)

*At outdoor temperature of 25°C

*Low noise option= lower output performance

New PAR-40MAAU wired remote controller

The brains behind Mr. Slim P-Series can be found here in the ultra-thin microprocessor wired 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 new MA remote control connects indoor and outdoor units to a central location to give you an array of temperature and airflow controls, enhanced service, maintenance functions, and multiple systems control.

Easy operation

Backlit LCD (Liquid Crystal Display)

Full dot backlit LCD makes it easy to see and control units.

Large, easy-to-see display

Full-dot LCD with large characters for easy viewing. Contrast also adjustable.

Simple button arrangement

Buttons are arranged according to usage to allow for intuitive navigation. Frequently used buttons are larger than other buttons for ease of use.

Multi-language

Support available in 3 languages: English, French, Spanish.

Weekly timer

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



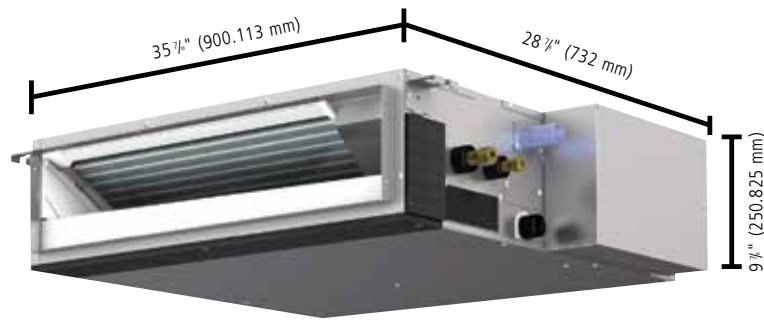
Energy saving auto return function

This function helps to maintain the indoor temperature at the required level. Even if the temperature setting is changed during operation, the set temperature automatically returns to the originally preset temperature after a certain amount of time. It is possible to set the required temperature for a limited time (30-120 min. in 10-minute increments).

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.





PEAD-A12AA

Ducted solutions for tight spaces

Mr. Slim ceiling-concealed unit literally “works behind the scenes” to give you the same comfort and quiet operation as other Mr. Slim units would. With an operating sound as low as only 23dB (A), the unit is enclosed in the ceiling cavity, leaving only a register and a grille* mounted on the ceiling surface to provide airflow. By running short ductwork, the unit can also distribute conditioned air evenly over a large zone or to adjacent rooms. This greatly helps the system to keep the quality of both your comfort and interior decor.

Slim Body

The ceiling-concealed units are slim and compact making installation a breeze. PEAD units at just 9-7/8” high, are designed to be flexible for easy installation in tight spaces.

*Grille sold separately.

Wide Range Adjustable Static Pressure

A wide range of static pressure settings are available by using the DC fan motor to meet various system configurations and installation conditions, while optimizing comfort levels between sound and air flow.

External static pressure settings	
PEAD-12/18/24/30/36/42AA7	0.14-0.20-0.28-0.4-0.6

Built-in Drain Pump

Ceiling-concealed units come equipped with a high-performance drain pump that is capable of lifting condensation up to 21-11/16 inches** above the drain pan. The unit’s fail-safe mechanism recognizes when there is a high level of water in the condensate pan and shuts off the indoor fan and outdoor unit compressor to prevent overflow.

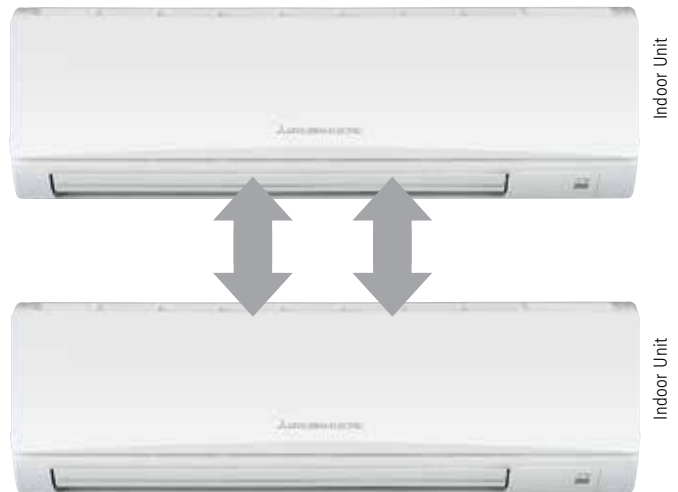
**Drain lift pump length depends on unit capacity / size.

Rotation, backup, standby — ALL-IN-ONE

P-Series is exceptionally reliable and offers an optimum product life cycle with this new built-in function. Two systems work together in an alternating pattern to ensure both systems share the same amount of operation hours.

Should the demand exceed the capacity of the operating system, the second system which is in standby mode, will start to increase the total capacity and return to standby mode when the demand reduces.

In addition, if an error occurs to the operating unit, the second system will start automatically as a backup, without causing any interruption to the service. (This function is not available when a P-Series indoor unit is connected to MXZ or SUZ outdoor units.)



Most Mr. Slim models allow for fresh air intakes

Mr. Slim PCA (ceiling suspended), PEAD (ceiling concealed), PVA (multi-positional AHU) and PLA (4-way ceiling cassette) 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.



3D i-see Sensor - Maintain an even temperature while reducing energy use

The "3D i-see Sensor" uses a temperature sensing technology, developed by Mitsubishi Electric, to create a comfortable environment in shops and offices. In these applications, it is essential to control the temperature near the floor where occupants and visitors gather. The "3D i-see Sensor" rotates slowly in intervals of 5 seconds, correctly measuring the temperature of the entire floor space using infra-red rays. These temperature values are then used to determine which parts of the room, distant or nearby, need additional heating or cooling, thus maintaining a constant and even temperature throughout the interior space while reducing overall energy consumption.



The "3D i-See Sensor" rotates to measure the floor temperature

Life without "3D i-see Sensor"

Conventional air conditioning systems in shops and offices measure temperatures at ceiling level and do not respond to temperatures at occupant level. As these temperatures often differ, a user must guess the correct set temperature and then manually adjust it at least once to achieve comfort. At a given time, the system is either under-utilized, causing discomfort to occupants, or over-utilized, wasting energy. This situation may frustrate and inconvenience users and occupants and result in higher energy costs.

Without "3D i-see Sensor"

e.g. A room with a desired occupant level temperature of 20°C

Since hot air rises, a room's ceiling level temperature is often higher than at occupant level.

To achieve an occupant level temperature of 20°C, a user must estimate and set a higher ceiling temperature (e.g. 23°C), and if needed make further adjustments. In this way, conventional systems are dependent on the skill of the user to reach the desired temperature.

As occupants enter and leave the room, the heating and cooling requirements change. As these changes take some time to impact the ceiling temperature, conventional systems may be too slow or unable to respond.

A room may have "hot spots" and/or "cool spots". Conventional systems can neither detect nor respond to these conditions.

The power of "3D i-see Sensor"

The new 4-Way Ceiling Cassette with the "3D i-see Sensor" simultaneously measures both occupant level and ceiling inlet temperatures and responds directly and automatically to the experience at occupant level. The set temperature is the occupant level target temperature, so no guesswork and manual adjustments are required by the user. This enables comfort to be achieved directly and quickly while using less energy.

With the "3D i-see Sensor" plus automatic airflow adjustment mode

e.g. A room with a desired occupant level temperature of 20°C

To achieve an occupant level temperature of 20°C, simply set the temperature to 20°C and the system will deliver comfort. It's that simple.

The 3D i-see Sensor detects if occupants enter or leave the room, which enables the system to compensate automatically and quickly.

The system detects "hot spots" or "cool spots" and adjusts the airflow in their direction to deliver comfort without negatively impacting comfort in other areas of the room.

RAISING THE BAR AT LOWER TEMPERATURES

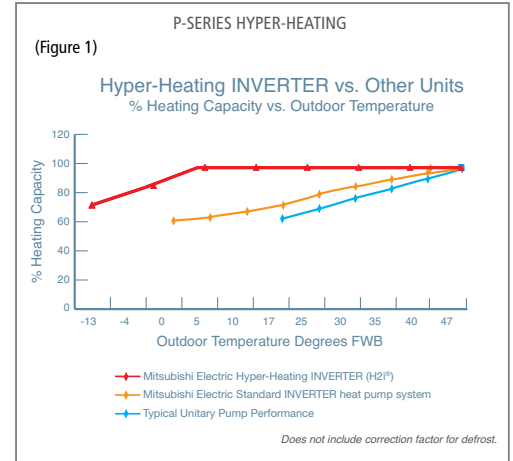
Taking heat pump technology to a whole new level

Mitsubishi Electric has taken heating to a whole new level with its exclusive patented Hyper-Heat Inverter (H²i™) technology. Even when outdoor temperatures drop below -25°C levels that would give traditional air source heat pump systems a cold chill – Mr. Slim H²i™ P-Series Cold Climate heat pumps stay on the job, keeping the indoors at a comfortable and consistent level.

Output meets efficiency

Heat pump systems deliver a very high COP (coefficient of performance). However, when outdoor temperatures drop, traditional heat pump systems just can't perform. As a result, most applications include a supplemental system to handle heating on days when temperatures fall below 0°C.

Now imagine a way to save on costs by using only a single heat pump system that delivers comfort year-round. That solution is the new Mr. Slim P-Series, featuring our exclusive H²i™ Cold Climate system, flexible enough for almost any residential, light commercial, or institutional renovation or new construction project. The H²i™ Cold Climate system delivers high COP in both heating and cooling modes, which delivers savings all year long.



Performance

The H²i™ Cold Climate system offers a COP of 1.45 at -25°C, but in fact, such low temperatures generally occur for a very short period. The H²i™ system also provides excellent COP of up to 4.4 (when connected to PLA) at higher temperatures, thus providing an extremely high Heating Seasonal Performance Factor (HSPF), saving energy without sacrificing comfort.



Reliable, easy to install, and extremely quiet, Mr. Slim H²i™ P-Series is powerful enough for the toughest situations – from boardrooms to conference halls, restaurants and retail locations, where heating and cooling is needed in extreme weather.



PUZ-HA24NHA1

COP	PKA	PLA	PCA	PEAD	PVA
8° C	3.90	4.40	3.70	3.80	3.80
-8° C	2.10	2.50	2.00	2.10	2.10
-15° C	1.90	1.90	1.80	1.90	1.90

PUZ-HA30NHA1

COP	PKA	PLA	PCA	PEAD	PVA
8° C	3.30	4.10	3.20	3.40	3.80
-8° C	2.00	2.30	2.00	2.10	2.20
-15° C	1.80	2.00	1.80	1.90	2.00

PUZ-HA36NHA1

COP	PKA	PLA	PCA	PEAD	PVA
8° C	3.30	4.20	3.30	3.70	3.90
-8° C	2.10	2.30	2.10	2.20	2.30
-15° C	1.80	2.00	1.75	1.90	2.00

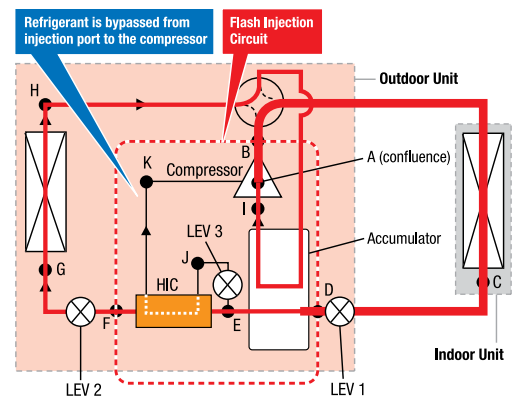
PUZ-HA42NKA1

COP	PLA	PCA	PEAD	PVA
8° C	3.30	2.90	3.50	3.60
-8° C	2.20	1.90	2.0	2.10
-15° C	1.90	1.75	1.90	1.90

Flash Injection Circuit Technology

The Flash Injection Circuit provides the optimal amount of refrigerant to the compressor through a specially designed injection port, ensuring stable heating operation without defrost for up to 150 minutes.

Plus, the new defrost feature allows defrosting when needed, gives the system a quick start-up time and continuous heating in low ambient conditions.



Note: Heat Interchange Circuit (HIC)
Heating efficiency is improved by enhancing the recollection of heat at the outdoor unit with the low temperature refrigerant from the HIC



HYPER HEAT INVERTER TECHNOLOGY FOR COLD CLIMATES



- Variable Compressor Speed Inverter Technology
- 100% Heating Capacity at -15°C
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 28dB(A)
- Hot Start System to Provide Warmth in the Beginning
- Pipe Length - up to 245 ft.
- Refrigerant Pre-Charged
- Hyper-Heat Inverter (H²i) Technology
- Lead-Lag and Backup Control Function Support*†
- 80% Heating Capacity at -25°C
- Extremely High Heating Performance
- Super-Efficient Operation - COP of up to 4.4
- Easy Maintenance with Self-Diagnostic Feature
- Auto-Restart after Power Failure
- Auto Change Over between Cooling & Heating
- External Heater Interlock Function
- 10-Year Parts and Compressor Warranty*



PUZ-HA Outdoor Unit



PLA Indoor unit**



PKA Indoor unit



PCA Indoor unit



PVA indoor unit



PEAD Indoor unit

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.

**Grille sold separately.



Indoor Unit Model Outdoor Unit Model			PLA-A24EA7 PUZ-HA24NHA1	PKA-A24KA7 PUZ-HA24NHA1	PCA-A24KA7 PUZ-HA24NHA1	PVA-A24KAA7 PUZ-HA24NHA1	PEAD-A24AA7 PUZ-HA24NHA1	
Capacity (Min~Max)	Cooling* ¹	Btu/h	10,000 ~ 24,000	10,000 ~ 24,000	10,000 ~ 24,000	10,000 ~ 24,000	10,000 ~ 24,000	
Capacity (Max)	Heating@8°C * ₁	Btu/h	28,000	28,000	28,000	28,000	28,000	
	Heating@-8°C * ₂	Btu/h	26,000	26,000	26,000	26,000	25,000	
	Heating@-15°C * ₃	Btu/h	26,000	26,000	26,000	26,000	25,000	
Total input	Cooling	W	1,710	1,900	1,840	2,100	2,080	
	Heating@8°C	W	1,700	1,920	2,050	1,980	1,920	
	Heating@-8°C	W	1,816	2,006	2,146	2,126	2,096	
	Heating@-15°C	W	3,966	3,986	4,176	3,986	3,826	
EER	Cooling		14	12.63	12.5	11.4	11.5	
SEER	Cooling		22	19.5	18.5	19	17	
HSPF (IV)	Heating		11	10.6	10.3	10.4	10.4	
COP (8°C/-8°C/-15°C)	Heating		4.4/2.5/1.9	3.9/2.1/1.9	3.7/2.0/1.8	3.8/2.1/1.9		
Capacity Control			Variable Compressor Speed					
Refrigerant			R-410A					
Power Supply	V, Phase, Hz		1 phase, 60Hz, 208/230V					
Indoor	Dimensions Unit With Panel	W (inches)	33-1/16	11-5/8	50-3/8	21	43-5/16	
		D (inches)	33-1/16	14-3/8	26-3/4	21-5/8	28-7/8	
		H (inches)	11-3/4	46-1/16	9-1/16	54-1/4	9-7/8	
	Weight - Unit+panel	lbs (kg)	56 (25)	46 (21)	71 (32)	141 (64)	69 (31)	
	Airflow* (Slo-Lo- Med-Hi)	CFM Dry	530-640-710-810	570-635-700	530-565-600-670	613-744-875	512-635-741	
	Moisture Removal	Pint/h	3.0	5.0	5.6	3.7	6.9	
	Sensible Heat Factor		0.86	0.77	0.73	0.83	0.68	
	Sound* (Slo-Lo- Med-Hi)	dB(A)	28-30-33-36	39-42-45	33-35-37-40	32-36-40	30-33-37	
	MOC ¹	A	15					20
	MCA	A	1					4.13
Field Drain Pipe Size	in.	3/4	5/8	1/32	3/4	1/4		
Outdoor	Dimensions (W x D x H)	W (inches)	37 13/32					
		D (Inches)	13					
		H (Inches)	37 1/8					
	Unit Operating Range	Cooling Intake Air Temperature (Maximum/Minimum)	D.B. 46°C D.B. -18°C** Requires ME windscreen for operation below -5°C					
		Heating Intake Air Temperature (Maximum/Minimum)	D.B. 24°C D.B. -25°C					
	Weight	lbs	190					
	Airflow	CFM Dry	1,940					
	Sound	dB(A) cool/heat	52/53					
	MOC ¹	A	27					
	MCA	A	17					
Pipe Size	Liq. X Gas	in.	3/8 x 5/8					
Max. Height Difference	Ft. (m)	100 (30)						
Max. Pipe Length	Ft. (m)	165 (50)						

*PLA - Slo-Lo-Med-Hi | PVA - Lo-Med-Hi | PCA-Slo-Lo-Med-Hi | PKA-Lo-Med-Hi | PEAD- Lo-Med-Hi **Requires windscreen for operation below -5°C

*₁ Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C (9-15°C) W.B. 23.9°C (7-15°C)

*₁ Heating - Indoor D.B. 21.1°C (70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C (8°C) W.B. 6.1°C (43°F)

*₂ Heating - Indoor D.B. 21.1°C (70°F) W.B. 15.6°C (60°F); Outdoor D.B. -8.3°C (-8°C) W.B. -9.4°C (1-15°C)

*₃ Heating - Indoor D.B. 21.1°C (70°F) W.B. 15.6°C (60°F); Outdoor D.B. -15°C (-15°C) W.B. -15°C (-15°C)



Indoor Unit Model Outdoor Unit Model		PLA-A30EA7 PUZ-HA30NKA	PKA-A30KA7 PUZ-HA30NKA	PCA-A30KA7 PUZ-HA30NKA	PVA-A30AA7 PUZ-HA30NKA	PEAD-A30AA7 PUZ-HA30NKA	
Capacity (Min~Max)	Cooling *1	Btu/h	14,600 ~ 30,000	14,600 ~ 30,000	14,300 ~ 30,000	14,800 ~ 30,000	
Capacity (Max)	Heating@8°C *1	Btu/h	34,000	34,000	35,000	34,000	
	Heating@-8°C *2	Btu/h	32,000	32,000	32,000	32,000	
	Heating@-15°C *3	Btu/h	32,000	32,000	32,000	32,000	
Total input	Cooling	W	2,120	2,330	2,380	2,300	
	Heating@8°C	W	2,260	2,770	2,930	2,460	
	Heating@-8°C	W	2,365	2,625	2,855	2,515	
	Heating@-15°C	W	4,645	4,975	5,165	4,315	
EER	Cooling		14	12.8	12.6	13	
SEER	Cooling		20	18.5	17.9	18	
HSPF (IV)	Heating		10	9.6	9.4	9.8	
COP (8°C/-8°C/-15°C)	Heating		4.1/2.3/2	3.3/2.0/1.8	3.2/2.0/1.8	3.8/2.2/2.0	
Capacity Control				Variable Compressor Speed			
Refrigerant				R-410A			
Power Supply	V, Phase, Hz			1 phase, 60Hz, 208/230V			
Indoor	Dimensions Unit With Panel	W (inches)	33 1/16	11 5/8	50 3/8	21	43-5/16
		D (inches)	33 1/16	14 3/8	26 3/4	21 5/8	28 7/8
		H (inches)	11 3/4	46 1/16	9 1/16	54 1/4	9 7/8
	Weight - Unit+panel	lbs (kg)	56 (25)	46 (21)	71 (32)	141 (64)	69 (31)
		Airflow* (Slo-Lo- Med-Hi)	CFM Dry	570-670-780-880	570-635-700	565-600-635-705	613-744-875
	Moisture Removal	Pint/h	5.4	7.5	8.3	5.9	6.5
	Sensible Heat Factor		0.8	0.72	0.69	0.78	0.76
	Sound* (Slo-Lo- Med-Hi)	dB(A)	28-32-35-38	39-42-45	35-37-39-41	32-36-40	30-34-39
	MOCp	A			15		20
	MCA	A		1		4.13	2.73
Field Drain Pipe Size	in.	3/4	5/8	1/32	3/4	1/4	
Outdoor	Dimensions (W x D x H)	W (inches)	41-5/16				
		D (Inches)	13				
		H (Inches)	52-11/16				
	Unit Operating Range	Cooling Intake Air Temperature (Maximum/Minimum)	D.B. 46°C D.B. -18°C** Requires ME windscreen for operation below -5°C				
		Heating Intake Air Temperature (Maximum/Minimum)	D.B. 24°C D.B. -25°C				
	Weight	lbs	261				
	Airflow	CFM Dry	3,880				
	Sound	dB(A) cool/heat	52/53				
	MOCp	A	40				
	MCA	A	24				
Pipe Size	Liq. X Gas	in.	3/8 x 5/8				
Max. Height Difference	Ft. (m)	100 (30)					
Max. Pipe Length	Ft. (m)	245 (75)					



**Requires windscreen for operation below -5°C
All test conditions based on AHRI 210 / 240.
Rating Conditions

*1 Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C(9-15°C) W.B. 23.9°C (7-15°C)

*1 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

*2 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. -8.3°C(-8°C) W.B. -9.4°C (-15°C)

*3 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. -15°C(-15°C) W.B. -15°C (-15°C)



Heating and Cooling



PLA Indoor unit*



PKA Indoor unit

Indoor Unit Model		Outdoor Unit Model		PLA-A36EA7 PUZ-HA36NKA	PKA-A36KA7 PUZ-HA36NKA	PCA-A36KA7 PUZ-HA36NKA	PVA-A36AA7 PUZ-HA36NKA
Capacity (Min~Max)	Cooling ^{*1}	Btu/h	14,800 ~ 36,000	14,700 ~ 36,000	14,900 ~ 34,000	15,500 ~ 36,000	
Capacity (Max)	Heating@8°C ^{*1}	Btu/h	40,000	40,000	40,000	40,000	
	Heating@-8°C ^{*2}	Btu/h	38,000	38,000	38,000	38,000	
	Heating@-15°C ^{*3}	Btu/h	38,000	38,000	38,000	38,000	
Total input	Cooling	W	2,750	3,090	2,700	2,500	
	Heating@8°C	W	2,650	3,340	3,360	2,850	
	Heating@-8°C	W	2,715	3,125	3,125	2,825	
	Heating@-15°C	W	5,465	6,045	6,095	5,565	
EER	Cooling		13	12.3	12.5	13	
SEER	Cooling		20	18.5	18	18.2	
HSPF (IV)	Heating		10	10	10.3	11.2	
COP (8°C/-8°C/-15°C)	Heating		4.2/2.3/2	3.3/2.0/1.8	3.3/2.1/1.75	3.9/2.3/2.0	
Capacity Control	Variable Compressor Speed						
Refrigerant	R-410A						
Power Supply	V, Phase, Hz	1 phase, 60Hz, 208/230V					
Indoor	Dimensions Unit With Panel	W (inches)	33 1/16	11 5/8	63	25	
		D (inches)	33 1/16	14 3/8	26 3/4	21 5/8	
		H (inches)	11 3/4	46 1/16	9 1/16	59 1/2	
	Weight - Unit+panel	lbs (kg)	56 (25)	46 (21)	79 (36)	172 (78)	
	Airflow ¹ (Slo-Lo-Med-Hi)	CFM Dry	670-850-1020-1200	635-730-830	775-850-920-990	788-956-1125	
	Moisture Removal	Pint/h	5.5	9.3	7.9	3.8	
	Sensible Heat Factor		0.83	0.69	0.74	0.87	
	Sound ¹ (Slo-Lo-Med-Hi)	dB(A)	32-37-41-44	43-46-49	37-39-41-43	32-36-40	
	MOCP	A	15				
	MCA	A	2	1	2	5.5	
Field Drain Pipe Size OD	in.	3/4	5/8	1/32	3/4		
Outdoor	Dimensions	W (inches)	41-5/16				
		D (Inches)	13				
		H (Inches)	52-11/16				
	Unit Operating Range	Cooling Intake Air Temperature (Maximum/Minimum)	D.B. 46°C D.B. -18°C**C Requires ME windscreen for operation below -5°C				
		Heating Intake Air Temperature (Maximum/Minimum)	D.B. 24°C D.B. -25°C				
	Weight	lbs	261				
	Airflow	CFM Dry	3,880				
	Sound	dB(A) cool/heat	52/53				
	MOCP	A	42				
	MCA	A	26				
Pipe Size	Liq. X Gas	in.	3/8 x 5/8				
Max. Height Difference		Ft. (m)	100 (30)				
Max. Pipe Length		Ft. (m)	245 (75)				

*Requires windscreen for operation below -5°C. All test conditions based on AHRI 210 / 240. Rating Conditions

*1 Cooling - Indoor D.B.-26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C (95°F) W.B. 23.9°C (75°F)

*1 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)

*2 Heating - Indoor D.B. 21.1°C (70°F) W.B. 15.6°C (60°F); Outdoor D.B. -8.3°C (-8°C) W.B. -9.4°C (-15°C)

*3 Heating - Indoor D.B. 21.1°C (70°F) W.B. 15.6°C (60°F); Outdoor D.B. -15°C (-15°C) W.B. -15°C (-15°C)

*PLA - Slo-Lo-Med-Hi | PVA- Lo-Med-Hi | PCA-Slo-Lo-Med-Hi | PKA-Lo-Med-Hi | PEAD- Lo-Med-Hi

*Grille sold separately.

**Requires windscreen for operation below -5°C

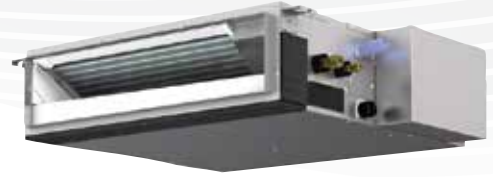




PCA Indoor unit



PVA indoor unit



PEAD Indoor unit

Indoor Unit Model		Outdoor Unit Model		PEAD-A36AA7 PUZ-HA42NKA1	PLA-A42EA7 PUZ-HA42NKA1	PCA-A42KA7 PUZ-HA42NKA	PVA-A42EA7 PUZ-HA42NKA1	PEAD-A42KA7 PUZ-HA42NKA1	
Capacity (Min~Max)	Cooling ^{*1}	Btu/h	15,600 ~ 36,000	18,800 ~ 42,000	16,600 ~ 42,000	17,000 ~ 42,000	17,100 ~ 42,000		
Capacity (Max)	Heating@8°C ^{*1}	Btu/h	40,000	54,000	54,000	54,000	54,000	54,000	
	Heating@-8°C ^{*2}	Btu/h	38,000	48,000	48,000	48,000	48,000	48,000	
	Heating@-15°C ^{*3}	Btu/h	38,000	48,000	48,000	48,000	48,000	48,000	
Total input	Cooling	W	2,850	3,920	4,050	3,960	3,900		
	Heating@8°C	W	2,940	4,210	4,760	3,850	3,990		
	Heating@-8°C	W	2,955	5,385	5,935	4,925	5,095		
	Heating@-15°C	W	5,665	7,235	7,945	6,865	7,185		
EER	Cooling		12.6	11	10.3	10.6	10.7		
SEER	Cooling		17	16	15.5	15.4	15		
HSPF (IV)	Heating		10.4	10	10	10	9.8		
COP (8°C/-8°C/-15°C)	Heating		3.7/2.2/1.9	3.3/2.2/1.9	2.9/1.9/1.75	3.6/2.1/1.9	3.5/2.0/1.9		
Capacity Control	Variable Compressor Speed								
Refrigerant	R-410A								
Power Supply	V, Phase, Hz	1 phase, 60Hz, 208/230V							
Indoor	Dimensions Unit (Panel)	W (inches)	55 1/8	33 1/16	63	25	55 1/8		
		D (inches)	28 7/8	33 1/16	26 3/4	21-5/8	28 7/8		
		H (inches)	9 7/8	11 3/4	9 1/16	59 1/2	9 7/8		
	Weight - Unit+panel	lbs (kg)	86 (39)	56 (25)	86 (39)	172 (78)	91 (41)		
	Airflow [†] (Slo-Lo-Med-Hi)	CFM Dry	847-1024-1201	740-920-1060-1200	810-885-995-1,025	1040-1262-1485	1042-1254-1483		
	Moisture Removal	Pint/h	5.2	4.5	10.6	5.3	4.1		
	Sensible Heat Factor		0.84	0.88	0.72	0.86	0.89		
	Sound [†] (Slo-Lo-Med-Hi)	dB(A)	33-38-42	45-42-38-34	39-41-43-45	36-40-44	36-40-44		
	MOCP	A	20			15			
	MCA	A	3.3	2	2	5.63	3.5		
Field Drain Pipe Size OD	in.	1/4	3/4	1/32	3/4	1/4 (32)			
Outdoor	Dimensions (W x D x H)	W (inches)	41 5/16						
		D (inches)	13						
		H (inches)	52 11/16						
	Unit Operating Range	Cooling Intake Air Temperature (Maximum/Minimum)	D.B. 46°C D.B. -18°C** Requires ME windscreen for operation below -5°C						
		Heating Intake Air Temperature (Maximum/Minimum)	D.B. 24°C D.B. -25°C						
	Weight	lbs	261		283				
	Airflow	CFM Dry	3,880		3,319				
	Sound	dB(A) cool/heat	53/53		49/51				
	MOCP	A	42		44				
	MCA	A	26		36				
Pipe Size	Liq. X Gas	in.	3/8 x 5/8						
Max. Height Difference	Ft. (m)	100 (30)							
Max. Pipe Length	Ft. (m)	245 (75)							

All test conditions based on AHRI 210 / 240.

Rating Conditions

*1 Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C(9-15°C) W.B. 23.9°C (7-15°C)

*1 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

*2 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. -8.3°C(-8°C) W.B. -9.4°C (1-15°C)

*3 Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. -15°C(-15°C) W.B. -15°C (-15°C)

*Grille sold separately.

**Requires windscreen for operation below -5°C



4-WAY CEILING CASSETTE



Indoor unit*

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 27dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- Auto Change Over Between Cooling & Heating
- 72 Airflow Patterns with 4-Notch Fan Speeds
- Auto-Restart after Power Failure
- External Heater Interlock Function
- Lead-Lag and Backup Function Support *†
- 3D i-see Sensor
- Built-in High-Performance Drain Pump
- Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model			PLA-A12EA7 PUZ-A12NKA7	PLA-A18EA7 PUZ-A18NKA7	PLA-A24EA7 PUZ-A24NHA7	PLA-A30EA7 PUZ-A30NHA7	PLA-A36EA7 PUZ-A36NKA7	PLA-A42EA7 PUZ-A42NKA7	
Capacity (Min~Max)	Cooling	Btu/h	5,800 ~ 12,000	8,000 ~ 18,000	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000	16,000 ~ 42,000	
	Heating	Btu/h	5,500 ~ 20,000	7,900 ~ 23,000	9,000 ~ 29,000	9,000 ~ 33,000	18,000 ~ 42,000	18,000 ~ 48,000	
Total Input	Cooling	W	730	1,250	1,670	2,540	2,780	3,590	
	Heating	W	830	1,300	1,750	2,400	2,540	3,290	
SEER	Cooling		27	24.6	24.2	22.8	21.8	21	
EER	Cooling		16.4	14.4	14.3	11.8	12.9	11.6	
HSPF (IV/V)	Heating		12.8 / 8.8	11 / 7.8	11.2 / 8.1	11.6 / 8.4	10.4 / 7.6	9.3 / 7.3	
Capacity Control	Variable Compressor Speed								
Refrigerant	R-410A								
Power Supply	V, Phase, Hz	1 phase, 60Hz, 208/230V							
	Breaker Size A	15		25		30			
Indoor	Dimensions (W x D x H)	W (inches)	Main Unit: 33 3/32 Grille: 37 13/32						
	Grille	D (inches)	Main Unit: 33 3/32 Grille: 37 13/32						
		H (inches)	Main Unit: 10 3/16 Grille: 1 9/16			Main Unit: 11 3/4 Grille: 1 9/16			
	Weight - Unit + (Grille)	lbs (kg)	Main Unit: 46 (21) Grille: 11 (5)			Main Unit: 56 (25) Grille: 11 (5)			
	Airflow (Lo-M2-M1-Hi)	CFM Dry	420-460-490-530	460-490-570-600	530-640-710-810	570-670-780-880	670-850-1020-1200	740-920-1060-1200	
	Moisture Removal	Pint/h	1.2	2.4	3	5.4	4.5	7.9	
	Sound (Lo-M2-M1-Hi)	dB(A)	27-28-29-30	28-29-31-32	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45	
	MOCp	A	15						
	MCA	A	1			2			
	Field Drain Pipe Size OD	in.				1 1/4		2	
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16			37 13/32		41 5/16	
		D (inches)	11 3/16			13 + 1 3/16			
		H (inches)	24 13/16			37 1/8		52 11/16	
	Unit Operating Range	Cooling Operating Range: (Minimum/Maximum)	D.B. -18°C (0°F) 46°C (115°F)*						
		Heating Operating Range (Minimum/Maximum)	D.B. -11°C W.B. -12°C D.B. 21°C W.B. 15°C*			D.B. -20°C W.B. -20°C D.B. 21°C W.B. 15°C*			
	Weight	lbs (kg)	93 (42)	100 (45)	153 (69)		214 (97)		
	Airflow	CFM Dry	1,590		1,940		3,880		
	Sound	dB(A) cool/heat	44 / 46		47 / 48		52 / 53		
	MOCp	A	28		26		31		
	MCA	A	11		19		25		
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)			3/8 (9.52) x 5/8 (15.88)			
Max. Height Difference		Ft. (m)				100 (30)			
Max. Pipe Length		Ft. (m)	100 (30)			165 (50)			

*Requires windscreen for operation below -5°C
All test conditions based on AHRI 210 / 240.

Rating Conditions: Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.

*Grille sold separately.





WALL-MOUNTED



Indoor unit

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as as low as 28dB(A)
- Auto Change Over between Cooling & Heating
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 3-Notch Fan Speeds
- External Heater Interlock Function
- Lead-Lag and Backup Function Support*†
- Auto Restart after Power Failure
- Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- 100 ft. Vertical Separation (all units)
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model		Outdoor Unit Model		PKA-A12HA7 PUZ-A12NKA7	PKA-A18HA7 PUZ-A18NKA7	PKA-A24KA7 PUZ-A24NHA7	PKA-A30KA7 PUZ-A30NHA7	PKA-A36KA7 PUZ-A36NKA7	
Capacity (Min~Max)	Cooling	Btu/h	5,800 ~ 12,000	8,000 ~ 18,000	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000		
	Heating	Btu/h	5,500 ~ 18,000	7,700 ~ 22,000	9,000 ~ 28,000	8,900 ~ 34,000	18,200 ~ 40,000		
Total Input	Cooling	W	1,000	1,820	1,960	3,150	3,330		
	Heating	W	950	1,300	1,750	2,460			
SEER	Cooling		20.8	18.5	21.4	19.8	18.8		
EER	Cooling		12	9.9	12.2	9.5	10.8		
HSPF (IV/V)	Heating		10.2 / 7.6	10.2 / 7.5	11 / 8.2	9.9 / 7.4	9.2 / 7.0		
Capacity Control	Variable Compressor Speed								
Refrigerant	R-410A								
Power Supply	V, Phase, Hz	1 phase, 60Hz, 208/230V							
	Breaker Size A	15		25		30			
Indoor	Dimensions (W x D x H)	W (inches)	35 3/8			46 1/16			
		D (inches)	9 13/16			11 5/8			
		H (inches)	11 5/8			14 3/8			
		Weight - Unit+panel	lbs (kg) 13 (29)			46 (21)			
Airflow (Lo-M2-M1-Hi)	CFM Dry	320-370-425		635-705-775		705-810-920			
Moisture Removal	Pint/h	2.0	5.2	5.0	8.1	9.7			
Sound (Lo-M2-M1-Hi)	dB(A)	36-40-43		39-42-45		43-46-49			
MOC	A	15							
MCA	A	1							
Field Drain Pipe Size OD	in. (mm)	5/8 (16)							
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16			37 13/32		41 5/16	
		D (inches)	11 3/16			13 + 1 3/16			
		H (inches)	24 13/16			37 1/8		52 11/16	
Unit Operating Range	Cooling Operating Range: (Minimum/Maximum)	D.B. -18°C (0°F) D.B. 46°C (115°F)*							
	Heating Operating Range (Minimum/Maximum)	D.B. -11°C W.B. -12°C D.B. 21°C W.B. 15°C*			D.B. -20°C W.B. -20°C D.B. 21°C W.B. 15°C*				
Weight	lbs (kg)	93 (42)	100 (45)	153 (69)	214 (97)				
Airflow	CFM Dry	1,590		1,940		3,880			
Sound	dB(A) cool/heat-	44 / 46		47 / 48		52 / 53			
MOC	A	28		26		31			
MCA	A	11		19		25			
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)		3/8 (9.52) x 5/8 (15.88)				
Max. Height Difference	Ft. (m)	100 (30)							
Max. Pipe Length	Ft. (m)	100 (30)			165 (50)				

*Requires windscreen for operation below -5°C
All test conditions based on AHRI 210 / 240.

Rating Conditions: Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





CEILING-SUSPENDED

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 33dB(A)
- Auto Change Over between Cooling & Heating
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- External Heater Interlock Function
- Lead-Lag and Backup Function Support* †
- i-see Sensor (optional)
- Auto Restart after Power Failure
- Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- 10-Year Parts and Compressor Warranty*



Indoor unit

Indoor Unit Model		Outdoor Unit Model		PCA-A24KA7 PUZ-A24NHA7	PCA-A30KA7 PUZ-A30NHA7	PCA-A36KA7 PUZ-A36NKA7	PCA-A42KA7 PUZ-A42NKA7		
Capacity (Min~Max)	Cooling	Btu/h	10,000 ~ 24,000		9,000 ~ 30,000		16,000 ~ 36,000		
	Heating	Btu/h	8,800 ~ 28,000		8,600 ~ 34,000		17,900 ~ 40,000		
Total Input	Cooling	W	1,960		3,190		3,270		
	Heating	W	1,800		2,520		2,410		
SEER	Cooling		21.2		19.6		19.1		
EER	Cooling		12.2		9.4		11		
HSPF (IV/V)	Heating		10.8 / 8.1		10 / 7.9		10.2 / 8.2		
Capacity Control	Variable Compressor Speed								
Refrigerant	R-410A								
Power Supply	V, Phase, Hz		1 phase, 60Hz, 208/230V						
	Breaker Size A		25		30				
Indoor	Dimensions (W x D x H)	W (inches)	50 3/8			63			
		D (inches)	26 3/4						
		H (inches)	9 1/16						
	Weight	lbs (kg)	71 (32)		79 (36)		86 (39)		
Airflow (Lo-M2-M1-Hi)	CFM Dry	530-565-600-670		565-600-635-705		775-850-920-990		810-885-955-1025	
Moisture Removal	Pint/h	5.8		8.3		8.7		11.7	
Sound (Lo-M2-M1-Hi)	dB(A)	33-35-37-40		35-37-39-41		37-39-41-43		39-41-43-45	
MOCP	A	15							
MCA	A	1		2					
Field Drain Pipe Size OD	in. (mm)	1 1/32 (26)							
Outdoor	Dimensions (W x D x H)	W (inches)	37 13/32			41 5/16			
		D (inches)	13 + 1 3/16						
		H (inches)	37 1/8		52 11/16				
Unit Operating Range	Cooling Operating Range (Minimum/Maximum)	D.B. -18°C (0°F) D.B. 46°C (115°F)*							
	Heating Operating Range ((Minimum/Maximum)	D.B. -20°C W.B. -20°C D.B. 21°C W.B. 15°C*							
Weight	lbs (kg)	153 (69)		214 (97)					
Airflow	CFM Dry	1,940		3,880					
Sound	dB(A) cool/heat	47 / 48		52 / 53					
MOCP	A	26		31					
MCA	A	19		25					
Pipe Size	Liq. X Gas	in. (mm)		3/8 (9.52) x 5/8 (15.88)					
Max. Height Difference	Ft. (m)	100 (30)							
Max. Pipe Length	Ft. (m)	165 (50)							

*Requires windscreen for operation below -5°C
All test conditions based on AHRI 210 / 240.

Rating Conditions: Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(48°F) W.B. 6.1°C (43°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





MULTI-POSITION AHU



Indoor unit

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 27dB(A)
- Ducted Air Handler with ECM Motor
- Adjustable Static Pressure up to 0.80 in.WG
- 1" R4.2 Fiberglass Free Cabinet Insulation
- Multi-Position Installation: Horizontal (left / right) or Vertical (upflow)
- Auto Change Over between Cooling & Heating
- Easy Maintenance with Self-Diagnostic Feature
- Lead-Lag and Backup Function Support *†
- Auto Restart after Power Failure
- Pipe Length - up to 165 ft.
- Refrigerant Pre-Charged
- Optional Electric Auxiliary Heater Available
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model		Outdoor Unit Model		PVA-A12AA7 PUZ-A12NKA7	PVA-A18AA7 PUZ-A18NKA7	PVA-A24AA7 PUZ-A24NHA7	PVA-A30AA7 PUZ-A30NHA7	PVA-A36AA7 PUZ-A36NKA7	PVA-A42AA7 PUZ-A42NKA7		
Capacity (Min~Max)	Cooling	Btu/h	4,800 ~ 12,000	7,000 ~ 18,000	10,000 ~ 24,000	10,000 ~ 30,000	14,600 ~ 36,000	15,000 ~ 42,000			
	Heating	Btu/h	5,700 ~ 19,000	7,700 ~ 23,000	12,000 ~ 28,000	17,700 ~ 42,000	18,100 ~ 48,000				
Total Input	Cooling	W	890	1,570	1,960	3,000	3,250	4,150			
	Heating	W	1070	1,470	1,920	2,640	3,030	3,900			
SEER	Cooling		21.4	20.2	20.5	19	19.3	18			
EER	Cooling		13.4	11.4	12.2	10	9.8	10.1			
HSPF (IV/V)	Heating		10.3 / 7.8	10.4 / 7.6	9.3 / 7	10 / 7.5	9.5 / 7.3	9.3 / 7.3			
Capacity Control	Variable Compressor Speed										
Refrigerant	R-410A										
Power Supply	V, Phase, Hz	1 phase, 60Hz, 208/230V									
	Breaker Size A	15			25		30				
Indoor	Dimensions (W x D x H)	W (inches)	17			21		25			
		D (inches)				21 5/8					
		H (inches)	50 1/4			54 1/4		59 1/2			
	Weight	lbs (kg)	113 (51)			141 (64)		172 (78)			
	External Static Pressure		0.30 - 0.50 - 0.80								
	Airflow (Lo-M2-M1-Hi)	CFM Dry	280-340-400	515-625-735	613-744-875		788-956-1125	1040-1262-1485			
	Moisture Removal	Pint/h	2.5	3.9	3.7	7	7.4	7.2			
	Sound (Lo-M2-M1-Hi)	dB(A)	27-31-35	30-34-38	32-36-40			36-40-44			
	MOCP	A	15								
	MCA	A	3			4.13		5.5	5.63		
	Field Drain Pipe Size OD	in. (mm)	3/4 (19.05)								
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16			37 13/32		41 5/16			
		D (inches)	11 3/16			13 + 1 3/16		52 11/16			
		H (inches)	24 13/16			37 1/8		52 11/16			
	Unit Operating Range	Cooling Operating Range (Minimum/Maximum)	D.B. -18°C (0°F) D.B. 46°C (115°F)*								
		Heating Operating Range (Minimum/Maximum)	D.B. -11°C W.B. -12°C D.B. 21°C W.B. 15°C			D.B. -20°C W.B. -20°C D.B. 21°C W.B. 15°C					
	Weight	lbs (kg)	93 (42)	100 (45)	153 (69)		214 (97)				
	Airflow	CFM Dry	1,590			1,940		3,880			
	Sound	dB(A) cool/heat	44 / 46			47 / 48		52 / 53			
	MOCP	A	28			26		31			
	MCA	A	11			19		25			
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)			3/8 (9.52) x 5/8 (15.88)					
Max. Height Difference		Ft. (m)	100 (30)								
Max. Pipe Length		Ft. (m)	100 (30)			165 (50)					

*Requires windscreen for operation below -5°C
All test conditions based on AHRI 210 / 240.

Rating Conditions: Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

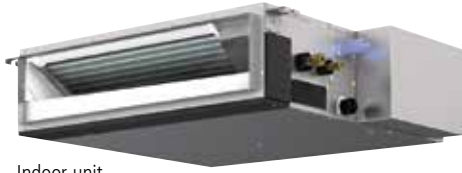
*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





CEILING-CONCEALED



Indoor unit

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Adjustable Static Pressure between 0.14 to 0.6 in WG
- Easy Maintenance with Self-Diagnostic Feature
- 3 Fan Speed Settings to Deliver Precise Comfort
- Lead-Lag and Backup Function Support *†
- External Heater Interlock Function
- Auto-Restart after Power Failure
- Built-in High-Performance Drain Pump
- Pipe Length - up to 165 ft.
- Auto Change Over between Cooling & Heating
- Refrigerant Pre-Charged
- Ultra-Slim Body - less than 10" High
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model			PEAD-A12AA7 PUZ-A12NKA7	PEAD-A18AA77 PUZ-A18NKA7	PEAD-A24AA7 PUZ-A24NHA7	PEAD-A30AA7 PUZ-A30NHA7	PEAD-A36AA7 PUZ-A36NKA7	PEAD-A42AA7 PUZ-A42NKA7	
Capacity (Min~Max)	Cooling	Btu/h	5,000 ~ 12,000	8,000 ~ 18,000	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000	16,000 ~ 42,000	
	Heating	Btu/h	5,800 ~ 18,000	7,900 ~ 22,000	9,000 ~ 28,000	8,800 ~ 34,000	18,200 ~ 40,000	18,100 ~ 48,000	
Total Input	Cooling	W	920	1,660	2,050	3,000	3,000	3,920	
	Heating	W	1,030	1,400	1,750	2,490	2,410	3,290	
SEER	Cooling		21.1	19.9	19.6	19.1		16.1	
EER	Cooling		13	10.8	11.7	10	12	10.7	
HSPF (IV/V)	Heating		10.2 / 7.5	10.2 / 7.6	10.8 / 8	10.8 / 7.7	9.9 / 7.3	10 / 7.9	
Capacity Control	Variable Compressor Speed								
Refrigerant	R-410A								
Power Supply	Phase, cycle, voltage	1 phase, 60Hz, 208/230V							
	Breaker Size A	15		25		30			
Indoor	Dimensions (W x D x H)	W (inches)	35 7/16			43 5/16		55 1/8	
		D (inches)	28 7/8						
		H (inches)	9 7/8						
	Weight Unit	lbs (kg)	58 (26)	62 (28)	69 (31)		86 (39)	91 (41)	
	External Static Pressure	in (WG)	0.14-0.20-0.28-0.40-0.60						
	Moisture Removal	Pint/h	1.8	3.7	6.9	8.6	8.1	9	
	Sound (Lo-M2-M1-Hi)	dB(A)	28-30-34	30-33-37		30-34-39	33-38-42	36-40-44	
	MOC	A	15						
	MCA	A	1.45	1.69	2.63	2.73	3.3	3.5	
	Field Drain Pipe Size OD	in. (mm)	1 1/4 (31.75)						
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16			37 13/32		41 5/16	
		D (inches)	11 3/16			13 + 1-3/16		52 11/16	
		H (inches)	24 13/16			37 1/8		52 11/16	
	Unit Operating Range	Cooling Operating Range (Minimum/Maximum)	D.B. -18°C (0°F) D.B. 46°C (115°F)*						
		Heating Operating Range (Minimum/Maximum)	D.B. -11°C W.B. -12°C D.B. 21°C W.B. 15°C*			D.B. -20°C W.B. -20°C D.B. 21°C W.B. 15°C*			
	Weight	lbs (kg)	93 (42)	100 (45)	153 (69)		214 (97)		
	Airflow	CFM Dry	1,590			1,940		3,880	
	Sound	dB(A) cool/heat	44 / 46			47 / 48		52 / 53	
	MOC	A	28			26		31	
	MCA	A	11			19		25	
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)			3/8 (9.52) x 5/8 (15.88)			
Max. Height Difference		Ft. (m)	100 (30)						
Max. Pipe Length		Ft. (m)	100 (30)			165 (50)			

*Requires windscreen for operation below -5°C

All test conditions based on AHRI 210 / 240.

Rating Conditions: Heating - Indoor D.B. 21.1°C(70°F) W.B. 15.6°C (60°F); Outdoor D.B. 8.3°C(8°C) W.B. 6.1°C (43°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





Indoor unit**

4-WAY CEILING CASSETTE

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 27dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- 72 Airflow Patterns with 4-Notch Fan Speeds
- Auto Restart after Power Failure
- Factory Installed Ultra-Low Ambient (-40°C)**
- Lead-Lag and Backup Function Support *†
- 3D i-see Sensor
- Built-in High Performance Drain Pump
- Pipe Length - up to 225 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model			PLA-A12EA7 PUY-A12NKA7	PLA-A18EA7 PUY-A18NKA7	PLA-A24EA7 PUY-A24NHA7	PLA-A30EA7 PUY-A30NHA7	PLA-A36EA7 PUY-A36NKA7	PLA-A42EA7 PUY-A42NKA7
Capacity (Min~Max)	Cooling	Btu/h	5,800 ~ 12,000	8,000 ~ 18,000	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000	16,000 ~ 42,000
Total Input	Cooling	W	730	1,250	1,670	2,540	2,780	3,590
SEER	Cooling		27	24.6	24.2	22.8	21.8	21
EER	Cooling		16.4	14.4	14.3	11.8	12.9	11.6
Capacity Control	Variable Compressor Speed							
Refrigerant	R-410A							
Power Supply	Phase, cycle, voltage	1 phase, 60Hz, 208/230V						
	Breaker Size A	15	25				30	
Indoor	Dimensions Unit (Grille)	W (inches)	Main Unit: 33 3/32 Grille: 37 13/32					
		D (inches)	Main Unit: 33 3/32 Grille: 37 13/32					
		H (inches)	Main Unit: 10 3/16 Grille: 1 9/16			Main Unit: 11 3/4 Grille: 1 9/16		
	Weight-Unit (Grille)	lbs (kg)	Main Unit: 46 (21) Grille: 11 (5)			Main Unit: 56 (25) Grille: 11 (5)		
	External Static Pressure	in (WG)	0.14-0.20-0.28-0.40-0.60					
	Airflow (Lo-Med-Hi)	CFM Dry	420-460-490-530	460-490-570-600	530-640-710-810	570-670-780-880	670-850-1020-1200	740-920-1060-1200
	Moisture Removal	Pint/h	1.2	2.4	3	5.4	4.5	7.9
	Sound (Lo-M2-M1-Hi)	dB(A)	27-28-29-30	28-29-31-32	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45
	MOCp	A	15					
	MCA	A	1				2	
	Field Drain Pipe Size OD	in. (mm)	1 1/4 (31.75)					
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16		37 13/32		41 5/16	
		D (inches)	11 3/16		13 + 1 3/16			
		H (inches)	24 11/16		37 1/8		52 11/16	
	Unit Operating Range	Cooling Intake Air Temperature (Minimum/Maximum)	D.B. -28.9°C (-20°F) D.B. 46°C (115°F)*					
		Ultra-Low Ambient Cooling ((Minimum/Maximum)	D.B. -40°C/F D.B. 46°C (115°F)*					
	Weight	lbs (kg)	92 (41)	99 (44)	151 (68)		211 (96)	
	Airflow	CFM Dry	1,590		1,940		3,880	
	Sound	dB(A) cool/heat-	44		47		52	
	MOCp	A	28		26		31	
	MCA	A	11		19		25	
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)			3/8 (9.52) x 5/8 (15.88)		
Max. Height Difference		Ft. (m)	100 (30)					
Max. Pipe Length		Ft. (m)	165 (50)			225 (69)		

*Requires windscreen for operation below -5°C

All test conditions based on AHRI 210 / 240.

Rating Conditions: Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C (95°F) W.B. 23.9°C (75°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





Indoor unit

WALL-MOUNTED

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 36dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 3-Notch Fan Speeds
- Auto Restart after Power Failure
- Factory Installed Ultra-Low Ambient (-40°C/F)**
- Lead-Lag and Backup Function Support*†
- Pipe Length - up to 225 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model		Outdoor Unit Model		PKA-A12HA7 PUY-A12NKA7	PKA-A18HA7 PUY-A18NKA7	PKA-A24KA7 PUY-A24NHA7	PKA-A30KA7 PUY-A30NHA7	PKA-A36KA7 PUY-A36NKA7
Capacity (Min~Max)	Cooling	Btu/h	5,800 ~ 12,000		8,000 ~ 18,000		10,000 ~ 24,000	
Total Input	Cooling	W	1,000		1,820		3,150	
SEER	Cooling		20.8		18.5		21.4	
EER	Cooling		12		9.9		12.2	
Capacity Control			Variable Compressor Speed					
Refrigerant			R-410A					
Power Supply	Phase, cycle, voltage		1 phase, 60Hz, 208/230V					
	Breaker Size		15		25		30	
Indoor	Dimensions Unit	W (inches)	35 3/8		46 1/16			
		D (inches)	9 13/16		11 5/8			
		H (inches)	11 5/8		14 3/8			
	Weight Unit	lbs (kg)	29 (13)		46 (21)			
	Airflow (Lo-Med-Hi)	CFM Dry	420-460-490-530	460-490-570-600	530-640-710-810	570-670-780-880	670-850-1020-1200	
	Moisture Removal	Pint/h	2.0	5.2	5.0	8.1	9.7	
	Sound (Lo-Med-Hi)	dB(A)	36-40-43		39-42-45		43-46-49	
	MOCp	A	15					
	MCA	A	1					
	Field Drain Pipe Size	in. (mm)	5/8 (16)					
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16		37 13/32		41 5/16	
		D (inches)	11 3/16		13 + 1 3/16			
		H (inches)	24 13/16		37 1/8		52 11/16	
	Unit Operating Temperature Range	Cooling Intake Air Temperature (Minimum/Maximum)	D.B. -28.9°C D.B. 46°C (115°F)*					
		Ultra-Low Ambient Cooling ((Minimum/Maximum)	D.B. -40°C/F D.B. 46°C (115°F)*					
	Weight	lbs (kg)	92 (41)	99 (44)	151 (68)		211 (96)	
	Airflow	CFM Dry	1,590		1,940		3,880	
	Sound	dB(A) cool/heat	44		47		52	
	MOCp	A	28		26		31	
	MCA	A	11		19		25	
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)		3/8 (9.52) x 5/8 (15.88)			
Max. Height Difference		Ft. (m)			100 (30)			
Max. Pipe Length		Ft. (m)	165 (50)		225 (69)			

*Requires ME windscreen for operation below -5°C

All test conditions based on AHRI 210 / 240.

Rating Conditions: Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C (95°F) W.B. 23.9°C (75°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





Indoor unit

CEILING-SUSPENDED

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as as low as 33dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- Auto Vane & Swing Mode with 4-Notch Fan Speeds
- Auto Restart after Power Failure
- Factory Installed Ultra-Low Ambient (-40°C/F)**
- Lead-Lag and Backup Control Function Support *†
- i-see Sensor (optional)
- Pipe Length - up to 225 ft.
- Refrigerant Pre-Charged
- Easy Installation - No Ductwork Needed
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model		PCA-A24KA7 PUY-A24NHA7	PCA-A30KA7 PUY-A30NHA7	PCA-A36KA7 PUY-A36NKA7	PCA-A42KA7 PUY-A42NKA7
Capacity (Min~Max)	Cooling	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000	16,000 ~ 42,000
Total Input	Cooling	1,960	3,190	3,270	4,110
SEER	Cooling	21.2	19.6	19.1	17.6
EER	Cooling	12.2	9.4	11	10.2
Capacity Control		Variable Compressor Speed			
Refrigerant		R-410A			
Power Supply	Phase, cycle, voltage	1 phase, 60Hz, 208/230V			
	Breaker Size	25		30	
Indoor	Dimensions Unit	W (inches)	50 3/8		63
		D (inches)	26 3/4		
		H (inches)	9 1/16		
	Weight Unit	lbs (kg)	71 (32)	79 (36)	86 (39)
Airflow (Lo-Med-Hi)	CFM Dry	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1025
Moisture Removal	Pint/h	5.8	8.3	8.7	11.7
Sound (Lo-Med-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
MOC	A	15			
MCA	A	1		2	
Field Drain Pipe Size	in. (mm)	1 1/32 (26)			
Outdoor	Dimensions (W x D x H)	W (inches)	37 13/32		41 5/16
		D (inches)	13 + 1 3/16		
		H (inches)	37 1/8	52 11/16	
	Unit Operating Temperature Range	Cooling Intake Air Temperature (Minimum/Maximum)	D.B. -28.9°C D.B. 46°C (115°F)*		
	Ultra-Low Ambient Cooling ((Minimum/Maximum)	D.B. -40°C/F D.B. 46°C (115°F)*			
Weight	lbs (kg)	151 (68)		211 (96)	
Airflow	CFM Dry	1,940		3,880	
Sound	dB(A) cool/heat	47		52	
MOC	A	26		31	
MCA	A	19		25	
Pipe Size	Liq. X Gas in. (mm)	3/8 (9.52) x 3/8 (15.88)			
Max. Height Difference	Ft. (m)	100 (30)			
Max. Pipe Length	Ft. (m)	225 (69)			

*Requires ME windscreen for operation below -5°C

All test conditions based on AHRI 210 / 240.

Rating Conditions: Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C(9-15°C) W.B. 23.9°C (7-15°C)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





MULTI-POSITION AHU



Indoor unit

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as as low as 27dB(A)
- Easy Maintenance with Self-Diagnostic Feature
- Auto Restart after Power Failure
- Factory Installed Ultra-Low Ambient (-40°C/F)**
- Lead-Lag and Backup Function Support *†
- Pipe Length - up to 225 ft.
- Refrigerant Pre-Charged
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model			PVA-A12AA7 PUY-A12NKA7	PVA-A18AA7 PUY-A18NKA7	PVA-A24AA7 PUY-A24NHA7	PVA-A30AA7 PUY-A30NHA7	PVA-A36AA7 PUY-A36NKA7	PVA-A42AA7 PUY-A42NKA7
Capacity (Min~Max)	Cooling	Btu/h	4,800 ~ 12,000	7,000 ~ 18,000	10,000 ~ 24,000	10,000 ~ 30,000	14,600 ~ 36,000	15,000 ~ 42,000
Total Input	Cooling	W	890	1,570	1,960	3,000	3,250	4,150
SEER	Cooling		21.4	20.2	20.5	19	19.3	18
EER	Cooling		13.4	11.4	12.2	10	9.8	10.1
Capacity Control			Variable Compressor Speed					
Refrigerant			R-410A					
Power Supply	Phase, cycle, voltage		1 phase, 60Hz, 208/230V					
	Breaker Size A		15		25		30	
Indoor	Dimensions Unit	W (inches)	17		21		25	
		D (inches)			21 5/8			
	H (inches)	50 1/4		54 1/4		59 1/2		
	Weight Unit	lbs (kg)	113 (51)		141 (64)		172 (78)	
	External Static Pressure	in (WG)	0.30-0.50-0.80					
	Airflow (Lo-Med-Hi)	CFM Dry	280-340-400	515-625-735	613-744-875		788-956-1125	1040-1262-1485
	Moisture Removal	Pint/h	2.5	3.9	3.7	7	7.4	7.2
	Sound (Lo-M2-M1-Hi)	dB(A)	27-31-35	30-34-38	32-36-40			36-40-44
	MOCP	A	15					
	MCA	A	3		4.13		5.5	5.63
	Field Drain Pipe Size	in. (mm)	3/4 (19.05)					
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16		37 13/32		41 5/16	
		D (inches)	11 3/16		13 + 1 3/16			
		H (inches)	24 13/16		37 1/8		52 11/16	
	Unit Operating Range	Cooling Intake Air Temperature (Minimum/Maximum) Ultra-Low Ambient Cooling ((Minimum/Maximum)	D.B. -28.9°C (-20°F) D.B. 46°C (115°F)* D.B. -40°C/F D.B. 46°C (115°F)*					
	Weight	lbs (kg)	92 (41)	99 (44)	151 (68)		211 (96)	
	Airflow	CFM Dry	1,590		1,940		3,880	
	Sound	dB(A) cool/heat	44		47		52	
	MOCP	A	28		26		31	
	MCA	A	11		19		25	
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)		3/8 (9.52) x 5/8 (15.88)			
Max. Height Difference		Ft. (m)			100 (30)			
Max. Pipe Length		Ft. (m)	165 (50)		225 (69)			

*Requires ME windscreen for operation below -5 °C
All test conditions based on AHRI 210 / 240.

Rating Conditions: Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C(9-15°C) W.B. 23.9°C (7-15°C)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-40MAAU Controller.





CEILING-CONCEALED



Indoor unit

- Variable Compressor Speed Inverter Technology
- Ozone-Friendly R-410A Refrigerant
- Super-Quiet Technology as low as 28dB(A)
- Adjustable Static Pressure between 0.14 to 0.6 in WG
- Lead-Lag and Backup Function Support *†
- Easy Maintenance with Self-Diagnostic Feature
- 3 Fan Speed Settings to Deliver Precise Comfort
- Factory Installed Ultra-Low Ambient (-40°C/F)**
- Built-in High-Performance Drain Pump
- Auto-Restart after Power Failure
- Pipe Length - up to 225 ft.
- Refrigerant Pre-Charged
- Ultra-Slim Body - less than 10" High
- 10-Year Parts and Compressor Warranty*

Indoor Unit Model Outdoor Unit Model			PEAD-A12AA7 PUY-A12NKA7	PEAD-A18AA7 PUY-A18NKA7	PEAD-A24AA7 PUY-A24NHA7	PEAD-A30AA7 PUY-A30NHA7	PEAD-A36AA7 PUY-A36NKA7	PEAD-A42AA7 PUY-A42NKA7		
Capacity (Min~Max)	Cooling	Btu/h	5,000 ~ 12,000	8,000 ~ 18,000	10,000 ~ 24,000	9,000 ~ 30,000	16,000 ~ 36,000	16,000 ~ 42,000		
Total Input	Cooling	W	920	1,660	2,050	3,000		3,920		
SEER	Cooling		21.1	19.9	19.6	19.1		16.1		
EER	Cooling		13	10.8	11.7	10	12	10.7		
Capacity Control	Variable Compressor Speed									
Refrigerant	R-410A									
Power Supply	Phase, cycle, voltage	1 phase, 60Hz, 208/230V								
	Breaker Size A	15		25		30				
Indoor	Dimensions Unit	W (inches)	35 7/16			43 5/16		55 1/8		
		D (inches)						28 7/8		
H (inches)							9 7/8			
	Weight Unit	lbs (kg)	58 (26)	62 (28)	69 (31)		86 (39)	91 (41)		
	External Static Pressure	in (WG)	0.14-0.20-0.28-0.40-0.60							
	Airflow (Lo-Med-Hi)	CFM Dry	353-424-494	424-512-600	512-635-741	618-742-883	847-1024-1201	1042-1254-1483		
	Moisture Removal	Pint/h	1.8	3.7	6.9	8.6	8.1	9		
	Sound (Lo-M2-M1-Hi)	dB(A)	28-30-34	30-33-37		30-34-39	33-38-42	36-40-44		
	MOCP	A	15							
	MCA	A	1.45	1.69	2.63	2.73	3.3	3.5		
	Field Drain Pipe Size	in. (mm)	1 1/4 (32)							
Outdoor	Dimensions (W x D x H)	W (inches)	31 13/16 + 7/16			37 13/32		41 5/16		
		D (inches)	11 3/16			13 + 1-13/16				
		H (inches)	24 13/16			37 1/8		52 11/16		
	Unit Operating Range	Cooling Intake Air Temperature (Minimum/Maximum)	D.B. -28.9°C (-20°F) D.B. 46°C (115°F)*							
		Ultra-Low Ambient Cooling ((Minimum/Maximum)	D.B. -40°C/F D.B. 46°C (115°F)*							
	Weight	lbs (kg)	92 (41)	99 (44)	151 (68)		211 (96)			
	Airflow	CFM Dry	1,590		1,940		3,880			
	Sound	dB(A) cool/heat	44		47		52			
	MOCP	A	28		26		31			
	MCA	A	11		19		25			
Pipe Size	Liq. X Gas	in. (mm)	1/4 (6.35) x 1/2 (12.7)			3/8 (9.52) x 5/8 (15.88)				
Max. Height Difference		Ft. (m)				100 (30)				
Max. Pipe Length		Ft. (m)	165 (50)			225 (69)				

*Requires winds screen for operation below -5°C

All test conditions based on AHRI 210 / 240.

Rating Conditions: Cooling - Indoor D.B. 26.7°C (80°F) W.B. 19.4°C (67°F); Outdoor D.B. 35°C(95°F) W.B. 23.9°C (75°F)

*Applies when properly registered and installed by a Mitsubishi Electric MEQ Dealer. Otherwise, comes with 5-year parts and 7-year compressor warranty. See full warranty for details.

*† Requires Mitsubishi Electric PAR-33MAA Controller.



CONTROLLERS

PAR-CT01MAU-SB WIRED FULL COLOUR TOUCHSCREEN CONTROLLER

- Programmable functionality
- 180 Colour selectable screen and font colour
- Communicate with smartphone or tablet App via Bluetooth
- Customizable display with ability to display customer logos
- Dimensions 4-3/4" x 2- 9/16" x 9/16"
- On/Off Timer
- Auto & Weekly Timer
- Energy Saving Mode



PAR-40MAU WIRED MA REMOTE CONTROLLER

- Programmable functionality
- Timer & scheduling functions
- Energy savings function
- Available in English, French & Spanish
- Filter clean reminders
- Room Temperature: displays room temperature sensed either at the indoor unit (default) or at the remote controller
- Set temperature range limit: from the Back-lit MA Controller, the set temperature range can be reduced for cool and heat modes
- Dimensions: 4-3/4" (w) x 3/4" (d) x 4-3/4" (h) (120 x 19 x 120mm)
- Setting screen for 3D i-see Sensor™, draft reduction mode



PAC-YT53CRAU-J WIRED SIMPLE MA REMOTE CONTROLLER

- Controls group operation for up to 16 indoor units in a single group.
- Set temperature range limit: simple MA-allowable set temperature range can be reduced for cool and heat modes
- Room temperature can be sensed either at the indoor unit (default) or at the remote controller
- Dimensions: 2-3/4" (w) x 9/16" (d) x 4-3/4" (h) (70 x 14.5 x 120mm)
- LOSSNAY©: Simple MA for interlocked system can set high/low/stop on LOSSNAY



PAR-FL32MA-E HAND-HELD WIRELESS CONTROLLER

The PAR-FL32MA-E provides complete control for all P-Series indoor units. Requires use of PAR-FA32MA-E receiver. All PKA wall-mounted units have the receiver built-in as standard and do not require PAR-FA32MA-E.

Specifications and Requirements:

- Cool / Drying / Auto / Heat / Fan Only operating modes (Vary depending on connected system)
- Set temperature from 67° F – 86° F depending on operation mode and connected system
- On/Off timer
- Displays setpoint temperature only
- Dimensions - (W x D x H) 5-1/8" x 3/4" x 4-3/4"
- Requires 2 AAA batteries



RMF-CA100-V1

- Allows connection of a 24vac North American Thermostat with Mitsubishi Electric ducted Air Handlers.
- Connects North American style thermostats to Mitsubishi Electric indoor unit through CN105 connector
- Allows aux heat connection through indoor unit CN24 connector
- Allows heat mode set temperature from 10 to 24 deg C
- Compatible with single and 2 stage thermostats
- Stores past 10 error codes
- LCD screen with 4 button operation
- Supported for ducted Air Handling Units only



PAC-US444CN-1 THERMOSTAT INTERFACE

- Allows a 24vac Thermostat or I/O Controller to control a Mitsubishi Electric CITY MULTI®, M-Series or P-Series indoor unit.
- One Thermostat Interface per indoor unit
- Indoor unit modes: Cool, Heat, Fan, and Off
- Provides 3 input terminals to control fan speed control: - High - Medium - Low
- Addressing: No addressing required
- Connection: CN105 - IT Terminal
- Requires VPL24-210 transformer



MELCO-RETAIL-MINI INTERFACE/MELCO-BEMS-MINI

- Allows for a third-party Building Energy Management System (BEMS) to control a Mitsubishi Electric Heating & Cooling CITY MULTI®, M-Series or P-Series indoor unit
- Monitor and control one indoor unit with one BACnet & Modbus Interface
- Small, compact design
- Works with Mitsubishi Electric Heating & Cooling centralized and remote controllers
- Does not work with MHK1, Thermostat Interface or Wireless Interface
- Home/Commercial automation systems
- New and revised functionalities including MODBUS (RS485) and BEMS capability



M-NET ADAPTOR

- PAC-SJ96MA-E for PUZ/PUY-A12/18NKA7
- PAC-SJ95MA-E for PUZ/PUY-A24/30NHA7, PUZ/PUY-A36/42NKA7, PUZ-HA24NHA, PUZ-HA30/36NHA5 and PUZ-HA42NKA
- Connects P-Series System to Mitsubishi Electric's M-NET control network
- Provides connection and control from central control systems
- Identifies P-Series System with address settings



REMOTE TEMPERATURE SENSOR (PAC-SE41TS-E)

- Allows for remote temperature monitoring within the indoor unit's zone
- Maximum wiring length: 39' (12 m)
- Power supplied through the indoor unit (separate power not required)
- Dimensions: 2-3/4" W x 4-3/4" H x 5/8" D (70 x 120 x 15mm)



COMFORTING EXPERIENCE

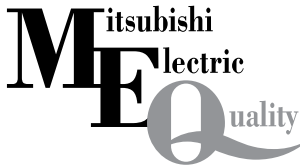
Mitsubishi Electric Canada

Mitsubishi Electric Sales Canada Inc. was established in 1979 as a subsidiary of the Mitsubishi Electric Corporation of Japan. Since then Mitsubishi Electric Sales Canada Inc. has been at the forefront of heating and air conditioning technology, sales, installation and service.

With over 100 years of experience in providing reliable, high-quality products to both corporate clients and consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the

manufacturing, marketing and sales of electrical and electronic equipment used in information processing and communications, consumer electronics, industrial technology, energy, transportation and construction. No matter what you do, or where you live, work or play, chances are a Mitsubishi Electric product touches your life.

Mitsubishi Electric provides a wide variety of commercial and residential heating and air conditioning products. Thanks to Mitsubishi Electric's many exclusive technologies like **VCSi**, **VRF** and **Hi™**, rest assured that all of our HVAC products are engineered to perform at the highest levels of efficiency and comfort. You'll find **City Multi** in high rise buildings and hotels, meeting demands from multiple occupants. And working behind the scenes 24/7 is **Mr. Slim P-Series**, maintaining constant and comfortable temperatures in retail stores, mechanical rooms or server rooms. With **Mr. Slim M-Series** you'll always feel welcome with the ultimate in home comfort. And **Zuba-Central** fits into your existing ductwork to provide a year-round whole-home comfort experience with outstanding energy savings. For more information on these products visit www.MitsubishiElectric.ca.



Mitsubishi Electric Quality marks close to 100 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 heat pumps that you can purchase.

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



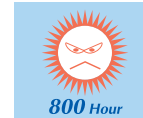
Sound Test



Performance Test



Endurance Test



Heat Stress Test



Saltwater Spray Rust Test

The Mitsubishi Electric difference

Our commitment to innovation and technology is exceeded only by our commitment to service – we stand behind every product that bears the Mitsubishi Electric name. And we demonstrate this by offering you our 5-year parts and 7-year compressor warranty that's among the best in the industry. Through our experienced distributor network, strong service support, and unmatched parts availability, it is our assurance to you that you will enjoy the comfort and true quality that only Mitsubishi Electric can offer.

Mitsubishi Electric will upgrade the standard warranty to an extended 10-year parts and compressor warranty when your Mr. Slim P-series system is installed and registered by an authorized Mitsubishi Electric MEQ Dealer. An additional limited labour warranty may be available in some provinces from the authorized dealer. For more information, please contact your local distributor or MEQ dealer.



Our number one commitment is to you. That's why Mitsubishi Electric now offers an improved 10-year parts and compressor warranty to give you years of worry-free operation. Ask your dealer for more details or visit www.MrSlim.ca

Memo

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Environmental Vision 2050



Protect the air, land, and water with our hearts and technologies to sustain a better future for all. To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.



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.

