



MULTI ROOM HEAT PUMP SYSTEMS







Multi Room Systems



What is a multi room system?

While a standard heat pump system consists of an indoor and outdoor unit, a multi room system allows you to connect multiple indoor units to a single outdoor unit. The World Health Organisation recommends a minimum indoor temperature of 18-20°C for living areas and 16°C overnight for bedrooms. With a multi room heat pump system you are given the freedom to choose the ideal unit for each area to keep you comfortable, without cluttering the exterior of your home. Plus, you get the benefit of the superior efficiency and energy savings of Mitsubishi Electric heat pump technology.

Why choose a multi room system?

We know that every home is as individual as its owner. Mitsubishi Electric multi room heat pump systems allow you to choose the perfect model for each room without the need to install multiple outdoor units.

Choosing the right heat pump for your home

This brochure will help guide you through the decision-making process. Once you have selected your preferences, we recommend you book a free in-home consultation with one of our qualified installers. Choosing the right heat pump system requires an assessment of the areas to be heated, to ensure you get the best, most efficient system for your home. One of our qualified installers will carry out accurate sizing calculations, and expertly assess other factors involved in heat loss and gain. Visit www.mitsubishi-electric.co.nz/installer to book one today!



Contents

Wall Mounted Units p.5



The most popular heat pump choice. Wall mounted (or high wall) heat pumps save floor space and are designed to suit the style of any home. See the Classic GE Series (p.5), the Deluxe FB Series (p.6) and the new Designer Series (p.7)



Floor Mounted Units p.9



With their slimline design, our floor consoles are a great renovation option, fitting neatly into cavities left by the removal of fireplaces or night-store heaters.

Ceiling Mounted Units p.10



Our range of ceiling mounted units offer you the flexibility to keep your wall and floor space free without compromising on comfort. See the SLZ and PLA Cassette Series (p.10) and the Ceiling Suspended PCA Series (p.11)

Concealed Systems p.12



Hidden from view, our ceiling concealed and ducted systems provide efficient heating without interfering with the style of your home.

Controls p.13



Mitsubishi Electric offers a range of controllers to suit your needs, from simple wired wall controllers to the ultimate in web accessible, complex system control.

Classic Multi Series Outdoor Unit p.15



This multi room solution allows you to connect up to six indoor units to a single outdoor, providing greater efficiency and flexibility to choose the indoor units you need.

Power Multi Series Outdoor Unit p.17



Our Power Multi Series has all the features of the Classic Multi Series but with greater capacity and airflow, allowing you to connect up to eight indoor units to the single outdoor unit.

Step By Step Selection Guide p.21



Ensuring your heat pump is the right size for your home is just as important as choosing the right style.



Classic GE Series

High Wall Mounted

Featuring New Zealand's quietest heat pumps starting at just 19dBA, the classic range is ideal for bedrooms or any room where quietness is essential. Larger capacity models feature the handheld 7 day controller, allowing you to "set and forget" by automating operation, saving you both time and money.



Small Room

MSZ-GE22VA
Heating Capacity: 3.3 kW
Cooling Capacity: 2.2 kW

MSZ-GE25VA
Heating Capacity: 3.2 kW
Cooling Capacity: 2.5 kW

MSZ-GE33VA
Heating Capacity: 4.0 kW
Cooling Capacity: 3.3 kW



Medium Room

MSZ-GE42VA
Heating Capacity: 5.4 kW
Cooling Capacity: 4.2 kW

MSZ-GE50VA
Heating Capacity: 5.8 kW
Cooling Capacity: 5.0 kW



Large Room

MSZ-GE60VA
Heating Capacity: 6.8 kW
Cooling Capacity: 6.0 kW

MSZ-GE71VA
Heating Capacity: 8.1 kW
Cooling Capacity: 7.1 kW

MSZ-GE80VA
Heating Capacity: 9.0 kW
Cooling Capacity: 8.0 kW

Features: Classic GE Series

Whisper Quiet Operation

7 Day Controller
(GE60/71/80 only)

i-save Mode

Econo Cool

Anti Allergy Enzyme Filter

Advanced Filtration

Guaranteed heating at -15°C

Auto Change Over Function



Deluxe FB Series

High Wall Mounted

The Mitsubishi Electric Deluxe High Wall range offers you ultimate control to ensure year-round comfort. Combining high energy efficiency with unique energy saving features, this range is also specifically designed to include advanced filtration, providing optimal air quality—perfect for asthma and allergy sufferers.



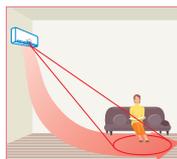
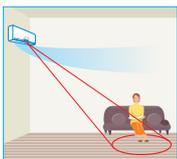
Small Room

MSZ-FB35VA
Heating Capacity: 4.0 kW
Cooling Capacity: 3.5 kW



Medium Room

MSZ-FB50VA
Heating Capacity: 6.0 kW
Cooling Capacity: 5.0 kW



Advanced Energy Saving Sensor

The advanced “i-see Sensor” measures room temperatures at floor level as well as at the unit itself, seeking out and correcting temperature disparities by directing airflow to specific areas. The sensor controls temperature and air movement to prevent excessive heating or cooling, and unnecessary operation to save energy.

Features: Deluxe FB Series

Whisper Quiet Operation

i-see Sensor

i-save Mode

Econo Cool

Plasma Duo Filter System

Self-Cleaning Ozone Shower

Anti-Mold Air Cleaning

Auto Change Over Function

Visit www.mitsubishi-electric.co.nz for detailed information on these features.



Designer Series

High Wall Mounted

Designed to suit even those with the most discerning style. With elegant, clean lines the Designer Series is available in a glossy black, matte silver or classic white – complementing your home’s decor and existing appliances. All models also feature a 7 day controller, allowing you to “set and forget” by automating operation.



Small Room

MSZ-EF22VA

Heating Capacity: 3.3 kW
Cooling Capacity: 2.2 kW

MSZ-EF25VA

Heating Capacity: 3.2 kW
Cooling Capacity: 2.5 kW

MSZ-EF35VA

Heating Capacity: 4.0 kW
Cooling Capacity: 3.5 kW



Medium Room

MSZ-EF42VA

Heating Capacity: 5.4 kW
Cooling Capacity: 4.2 kW

MSZ-EF50VA

Heating Capacity: 5.8 kW
Cooling Capacity: 5.0 kW



iF Design Award

The iF Product Design Award is annually conferred by the iF International Forum Design. Every year the award attracts more than 2,000 product entries, which are judged by renowned experts, only the best receive the iF seal of outstanding design quality. The Mitsubishi Electric Designer Series has been awarded the iF Product Design award for its simple and elegant design. The clean, flat surfaces and bevelled edges allow it to blend in discretely with modern interiors.

Features: Designer Series

Whisper Quiet Operation

7 Day Controller

Nano Platinum Filter

Guaranteed heating at -15°C

Stylish Flat Panel Design

Optional Anti Allergy Enzyme Filter



The sleek 'Black Diamond' matches perfectly with living room electronics such as televisions or dark wall coverings.



The smooth 'stainless steel' look unit is ideally suited to kitchens which contain stainless steel appliances.



The range includes a classic white option with a stylish flat panel design. This model fits seamlessly with neutral decors.



Classic KA Series

Floor Mounted

Designed to sit discreetly at floor level, our floor consoles are ideal for replacement of traditional floor mounted heat sources such as night-store heaters or fireplaces. Independently controllable upper and lower vanes provide both optimal air distribution and warm feet.



Small Room

MFZ-KA25VA
Heating Capacity: 3.4 kW
Cooling Capacity: 2.5 kW

MFZ-KA35VA
Heating Capacity: 4.0 kW
Cooling Capacity: 3.5 kW



Medium Room

MFZ-KA50VA
Heating Capacity: 6.0 kW
Cooling Capacity: 4.8 kW

Features: Classic KA Series

NZ's Quietest Floor Console, from 22dBA

Guaranteed heating at -15°C

Anti Allergy Enzyme Filter

Healthy Catechin Filter

Auto Change Over Function

Vertical & Horizontal Airflow

i-save Mode

Econo Cool



Cassette SLZ & PLA Series

Ceiling Mounted

Compact and ultra quiet, our range of ceiling cassettes are equipped with four way airflow and cutting edge control. They offer you the flexibility to keep your wall and floor space free without compromising on comfort.



Small Room

SLZ-KA25VAQ/L
 Heating Capacity: 3.2 kW
 Cooling Capacity: 2.5 kW

SLZ-KA35VAQ/L
 Heating Capacity: 4.0 kW
 Cooling Capacity: 3.5 kW



Medium Room

SLZ-KA50VAQ/L
 Heating Capacity: 5.0 kW
 Cooling Capacity: 4.6 kW

PLA-RP60BA
 Heating Capacity: 6.9 kW
 Cooling Capacity: 6.1 kW



Large Room

PLA-RP71BA
 Heating Capacity: 8.0 kW
 Cooling Capacity: 7.1 kW

PLA-RP100BA
 Heating Capacity: 11.2 kW
 Cooling Capacity: 10.0 kW

Features: Cassette SLZ Series

Whisper Quiet Operation

Guaranteed heating at -15°C

Long Life Filter

Auto Change Over Function

Fresh Air Intake

Visit www.mitsubishi-electric.co.nz for more information on these features.



Ceiling Suspended PCA Series

Ceiling Mounted

A stylish, slim-line indoor unit designed to provide comfort in large, open areas such as conference rooms or open plan offices. Mitsubishi Electric's range of Ceiling Suspended indoor units are designed to blend in easily at ceiling height. With four speed settings and auto air-speed adjustment it is ideal for both large and small areas.



Small Room

PCA-RP50KAQ
 Heating Capacity: 5.5 kW
 Cooling Capacity: 5.0 kW

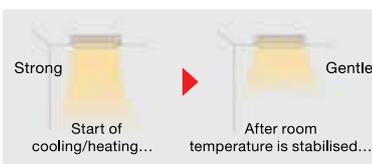
PCA-RP60KAQ
 Heating Capacity: 6.9 kW
 Cooling Capacity: 5.7 kW



Medium Room

PCA-RP71KAQ
 Heating Capacity: 7.9 kW
 Cooling Capacity: 7.1 kW

PCA-RP100KAQ
 Heating Capacity: 11.2 kW
 Cooling Capacity: 10.0 kW



Automatic Air-Speed Adjustment

In addition to the conventional 4-speed setting, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment.

Features: Classic Suspended

Stylish slim-line design

Whisper Quiet Operation

Auto air-speed adjustment

Four speed settings

High ceiling mode

Low ceiling mode



Concealed Systems

Ceiling Concealed SEZ Series

These concealed units are compact, whisper quiet and highly efficient. Our concealed units fit easily and discreetly into rooms with lowered ceilings. This option is used to heat a single room in a discrete, unobtrusive way.

Ducted PEA Series

These units are completely hidden from view with only subtle grilles visible. The unit is installed in the roof cavity and ducts are used to connect to multiple rooms for heating and cooling.



Small Room

SEZ-KD35VAQ
 Heating Capacity: 4.2 kW
 Cooling Capacity: 3.7 kW



Medium Room

SEZ-KD50VAQ
 Heating Capacity: 6.4 kW
 Cooling Capacity: 5.1 kW

SEZ-KD60VAQ
 Heating Capacity: 7.4 kW
 Cooling Capacity: 5.6 kW



Large Room

SEZ-KD71VAQ
 Heating Capacity: 8.1 kW
 Cooling Capacity: 7.1 kW



Large Room

PEA-RP71EAQ
 Heating Capacity: 8.4 kW
 Cooling Capacity: 7.1 kW

PEA-RP100EAQ
 Heating Capacity: 11.2 kW
 Cooling Capacity: 10.0 kW

Features: Ceiling Concealed SEZ Series

Compact design

Whisper Quiet Operation

Air Cleaning Filter

Fresh Air Intake

Features: Ducted PEA Series

Ducted Heating

Easy Installation

Variety of airflow options

Computerised dehumidification

Controls



Making the most of your Heat Pump starts with controls that allow you to experience comfort levels tailored to exactly match your preferences.

As Heat Pump features continue to become more advanced, controls which allow simplicity, accuracy and ease of use have been developed to maximise the benefits to users. Hand held remotes, wired wall controllers and advanced, internet-connectable central controllers not only provide a wide variety of control options, but also allow usage programming to optimise operating efficiencies.

Handheld Remotes (Standard Inclusions)



24 Hour Controller

Featuring a 24 hour timer, this simple handheld remote features an easy to read display, and a variety of operating modes at the touch of a button. The timer feature allows users to set stop/start operation on a daily basis. This remote comes standard on all models except the GE 60/71/80 and Designer Series (which include a 7-Day Controller as standard).



7 Day Controller

Allowing you to program up to four settings for each day of the week, you can come home to comfort without having to manually adjust the temperature. Perfect for anyone with a busy lifestyle, the 7 day controller is a great way to regulate your energy usage without compromising on comfort. This 7 day controller is available on the larger GE Series models (GE60/71/80) and Designer Series models only.

Wall Mounted Controllers (Optional Upgrade)



PAR-21 7 Day Controller

The Wired 7 Day Timer is an optional controller which can be connected to all Mitsubishi Electric systems listed in this brochure. The PAR-21 controller allows you to program up to 8 stop/start patterns per day for up to 7 days at a time. Other features include a variety of operation control functions, operation lock and multi-language display.



PAR-30 Deluxe 7 Day Controller

Containing all the features of the PAR-21 controller, the Deluxe PAR-30 also offers the following at the touch of a button: LCD backlit screen, Large, easy to read display, Night setback function, and Mode view for either icon or word display.

Central Controllers (Optional Upgrade)



AT-50A 5" LCD Touch Screen

Able to control up to 50 units and featuring both weekly and daily timer functions, the AT-50 is a cost effective solution for large domestic systems.



AG-150A 9" LCD Touch Screen

Controls up to 150 units, monitoring operation via a web browser or personal computer via LAN or telephone line. Featuring a large, backlit high-resolution touch panel, the display is highly visible and easy to read. The outer panel is also available in black. The AG-150 also monitors power consumption, humidity, fan speed and airflow among many others.

Classic Multi Series Outdoor Unit

The Classic MXZ~VA range has been developed for small to medium-sized homes, providing systems of between one and six indoor units per outdoor unit.

This helps to optimise use of outdoor space while enhancing exterior aesthetics. Another advantage offered by multi room outdoor units is the ability to connect a single indoor initially, with the option of adding further indoors later as required. There is no need to connect all indoors at once, allowing you total freedom in your selection as well as future-proofing your home's heating requirements as needed.



Two Port

Connect 1-2 indoor units

MXZ-2C52

Heating Capacity: 6.4 kW
Cooling Capacity: 5.2 kW
Total Capacity: 7.0 kW



Three Port

Connect 1-3 indoor units

MXZ-3C54

Heating Capacity: 7.0 kW
Cooling Capacity: 5.4 kW
Total Capacity: 10.0 kW



Four Port

Connect 1-4 indoor units

MXZ-4C71

Heating Capacity: 8.6 kW
Cooling Capacity: 7.1 kW
Total Capacity: 12.5 kW



Four Port

Connect 1-4 indoor units

MXZ-4C80

Heating Capacity: 9.4 kW
Cooling Capacity: 8.0 kW
Total Capacity: 14.5 kW



Five Port

Connect 1-5 indoor units

MXZ-5C100

Heating Capacity: 12.0 kW
Cooling Capacity: 10.0 kW
Total Capacity: 17.1 kW



Six Port

Connect 1-6 indoor units

MXZ-6C120

Heating Capacity: 14.0 kW
Cooling Capacity: 12.0 kW
Total Capacity: 18.0 kW



Quiet Operation (Silent Mode)*

When operating the MXZ outdoor unit in silent mode* the outdoor sound level on a MXZ-3C54VA is just 44dB(A). In combination with the MSZ-GE25/33VA, indoor noise can also be reduced to a quiet 19dB(A). New Zealand's Quietest Heat Pumps... Ever!



Energy Saving with High COP

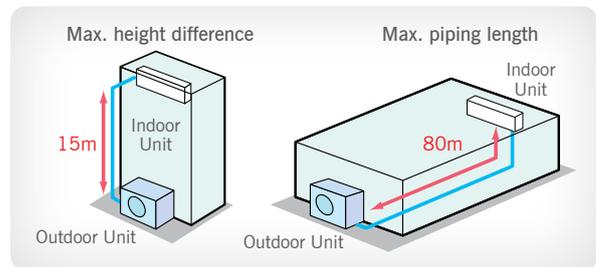
Mitsubishi Electric Inverter Technology provides superior energy efficiency with high COPs (Coefficient of Performance). The MXZ-3C54VA multi outdoor has a COP of 5.04, meaning for every dollar you spend, you get five dollars worth of heat!

Fix Operation Mode

It is possible to lock operation to 'Heating' or 'Cooling' mode. This is convenient in places such as rental properties or hotels.

Longer Piping Length

Piping is extendable up to 80* metres total in length with 25 metres per unit and 15 metres of this in height (additional refrigerant charge may be required).



Guaranteed Heating at -15°C

Not all heat pumps perform when they are needed most. Our range is guaranteed to effectively provide heating on those cold nights or mornings when you really need it.

Controls

Refer to page 13 for the full list of available controls.



Model	Wall Mounted														Floor Mounted			Ceiling Mounted						Concealed Systems								
	MSZ-GE								MSZ-FB		MSZ-EF				MFZ-KA			SLZ-KA		PLA		PCA		SEZ-KD				PEA				
	22	25	33	42	50	60	71	80	35	50	22	25	35	42	50	25	35	50	25	35	50	60	71	50	60	71	35	50	60	71	71	
MXZ-2C52	•	•	•	•					•		•	•	•	•	•	•	•		•	•							•					
MXZ-3C54	•	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•							•	•				
MXZ-4C71	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•						•	•	•			
MXZ-4C80	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MXZ-5C100	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MXZ-6C120	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Power Multi Series Outdoor Unit

The Power Multi range provides a quiet, highly efficient and flexible air conditioning system for all your heating and cooling needs

The Power Multi range has been designed specifically for homes or small offices and is capable of connecting to a wider range of commercial-type indoor units via a branch box which simplifies piping work. It provides a quiet, highly efficient and flexible system for all your heating and cooling needs.



Eight Port

Connect 2-8 indoor units

MXZ-8B140VA-A
Heating Capacity: 18.0 kW
Cooling Capacity: 14.0 kW
Total Capacity: 18.5 kW



Eight Port

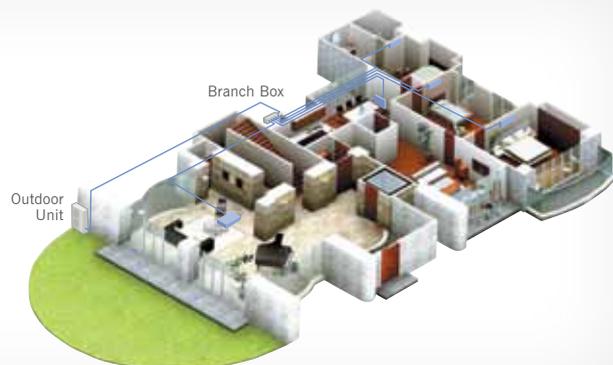
Connect 2-8 indoor units

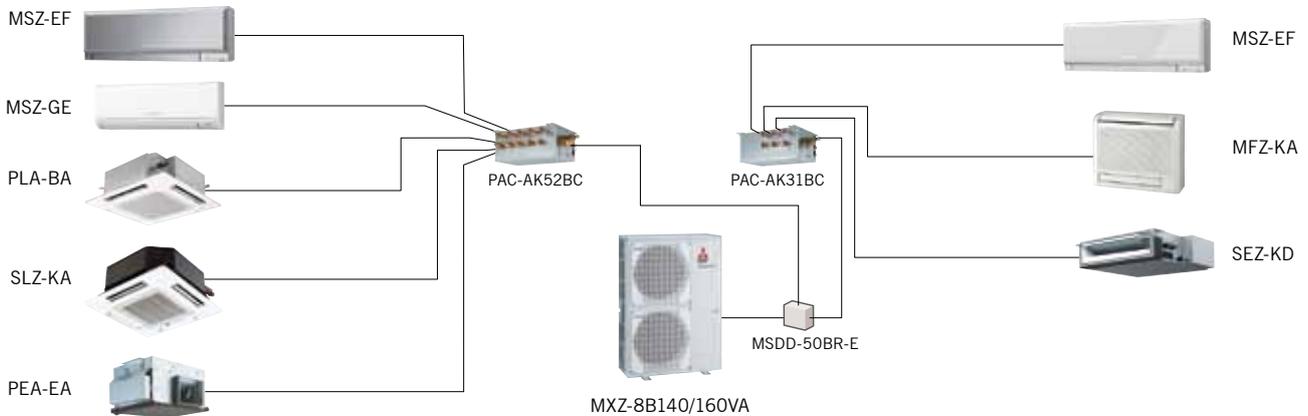
MXZ-8B160VA-A
Heating Capacity: 18.5 kW
Cooling Capacity: 15.5 kW
Total Capacity: 20.2 kW



Branch Box

Mitsubishi Electric supply branch controllers to allow the maximum number of indoor units to be connected.





Silent Operation

The Power Multi runs so smooth and quiet, you get comfort with minimal noise. Under low operating load, the “Low-Noise” mode can be selected thus providing more silent operation. Connecting with our latest wall mounted indoor units creates a quiet and comfortable living environment.

Guaranteed Heating at -15°C

Not all heat pumps perform when they are needed most. Our range is guaranteed to effectively provide heating on those cold nights or mornings when you really need it.

Easy Installation

The Power Multi has been designed to be as easy to install and maintain as possible. The branch box simplifies the piping work, providing only one pair of pipes to be installed from the outdoor unit inside to the branch box.

High Efficiency

The latest technology obtained through the development of the Power Inverter series offers the higher EER of 3.52 in Cooling* and COP of 3.91 in Heating*.

*When connected with 3x MSZ-GE60VA indoor units.

Flexible Choice of Indoor Unit

You can choose an optimum indoor unit for the required application, interior and size of your room from a versatile product line of many models.

Controls

Refer to page 14 for the full list of available controls.



Model	Wall Mounted														Floor Mounted			Ceiling Mounted										Concealed Systems						
	MSZ-GE								MSZ-FB		MSZ-EF				MFZ-KA			SLZ-KA			PLA			PCA				SEZ-KD				PEA		
	22	25	33	42	50	60	71	80	35	50	22	25	35	42	50	25	35	50	25	35	50	60	71	100	50	60	71	100	35	50	60	71	71	100
MXZ-8B140	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MXZ-8B160	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Specifications

Indoor Units

Classic GE Series p.5

Wall Mounted

MODEL	MSZ-GE22VA	MSZ-GE25VA	MSZ-GE33VA	MSZ-GE42VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA
COOL	2.2kW 21 dBA*	2.5kW 19 dBA*	3.3kW 19 dBA*	4.2kW 26 dBA*	5.0kW 28 dBA*	6.0kW 29 dBA*	7.1kW 30 dBA*	8.0kW 30 dBA*
HEAT	3.3kW 21 dBA*	3.2kW 19 dBA*	4.0kW 19 dBA*	5.4kW 26 dBA*	5.8kW 28 dBA*	6.8kW 29 dBA*	8.1kW 30 dBA*	9.0kW 30 dBA*

Deluxe FB Series p.6

Wall Mounted

MODEL	MSZ-FB35VA	MSZ-FB50VA
COOL	3.5kW 20 dBA*	5.0kW 29 dBA*
HEAT	4.0kW 21 dBA*	6.0kW 27 dBA*

Designer Series p.7

Wall Mounted

MODEL	MSZ-EF22VA	MSZ-EF25VA	MSZ-EF35VA	MSZ-EF42VA	MSZ-EF50VA
COOL	2.2kW 21 dBA*	2.5kW 21 dBA*	3.5kW 21 dBA*	4.2kW 28 dBA*	5.0kW 30 dBA*
HEAT	3.3kW 21 dBA*	3.2kW 21 dBA*	4.0kW 21 dBA*	5.4kW 28 dBA*	5.8kW 30 dBA*

Classic KA Series p.9

Floor Mounted

MODEL	MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
COOL	2.5kW 22 dBA*	3.5kW 23 dBA*	4.8kW 32 dBA*
HEAT	3.4kW 22 dBA*	4.0kW 25 dBA*	6.0kW 32 dBA*

Cassette SLZ Series p.10

Ceiling Mounted

MODEL	SLZ-KA25VAL/Q	SLZ-KA35VAL/Q	SLZ-KA50VAL/Q
COOL	2.5kW 28 dBA*	3.5kW 29 dBA*	4.6kW 30 dBA*
HEAT	3.2kW 28 dBA*	4.0kW 29 dBA*	5.0kW 30 dBA*

Cassette PLA Series p.10

Ceiling Mounted

MODEL	PLA-RP60BA	PLA-RP71BA	PLA-RP100BA
COOL	6.1kW 28 dBA*	7.1kW 28 dBA*	10.0kW 32 dBA*
HEAT	6.9kW 28 dBA*	8.0kW 28 dBA*	11.2kW 32 dBA*

Suspended PCA Series p.11

Ceiling Mounted

MODEL	PCA-RP50KA	PCA-RP60KA	PCA-RP71KA	PCA-RP100BA
COOL	5.0kW 32 dBA*	5.7kW 33 dBA*	7.1kW 35 dBA*	10.0kW 37 dBA*
HEAT	5.5kW 32 dBA*	6.9kW 33 dBA*	7.9kW 35 dBA*	11.2kW 37 dBA*

Ceiling Concealed SEZ Series p.12

Concealed Systems

MODEL	SEZ-KD35VA	SEZ-KD50VA	SEZ-KD60VA	SEZ-KD71VA
COOL	3.7kW 23 dBA*	5.1kW 30 dBA*	5.6kW 30 dBA*	7.1kW 30 dBA*
HEAT	4.2kW 23 dBA*	6.4kW 30 dBA*	7.4kW 30 dBA*	8.1kW 30 dBA*

Ducted PEA Series p.12

Concealed Systems

MODEL	PEA-RP71EA	PEA-RP100EA
COOL	7.1kW 52 dBA*	10.0kW 54 dBA*
HEAT	8.4kW 52 dBA*	11.2kW 54 dBA*

*Sound levels rated at lowest fan speed

Outdoor Units

Classic Multi Series Outdoor Unit p.15

MODEL NAME			MXZ-2C52VA	MXZ-3C54VA	MXZ-4C71VA	MXZ-4C80VA	MXZ-5C100VA	MXZ-6C120VA	
CONNECTABLE INDOORS			1-2 indoor units	1-3 indoor units	1-4 indoor units	1-4 indoor units	1-5 indoor units	1-6 indoor units	
COOL	Capacity	Rated	[kW]	5.2	5.4	7.1	8.0	10.0	12.0
		Min-Max	[kW]	1.1 - 6.0	2.9 - 6.8	3.7 - 8.8	3.7 - 9.2	3.9 - 11.0	3.5 - 13.5
	Input	[kW]	1.30	1.19	1.68	1.96	2.80	3.61	
	EER		4.0	4.54	4.23	4.09	3.57	3.32	
	Sound Level	[dBA]	49	47	48	46	51	55	
	Rated Current (Out)	[A]	5.83	5.23	7.38	8.59	12.3	15.85	
	Max. Current	[A]	10.2	15	15	17.4	18.4	27	
	Air Volume (High)	[L/s]	548.3	701.67	701.67	701.67	943.3	923.3	
HEAT	Capacity	Rated	[kW]	6.4	7	8.6	9.4	12.0	14.0
		Min-Max	[kW]	1.0 - 7.0	2.6 - 9.0	3.4 - 10.7	3.4 - 11.6	4.1 - 14.0	3.5 - 16.5
	Input	[kW]	1.61	1.46	1.71	1.93	2.84	3.47	
	COP (Out)		3.98	4.78	5.04	4.87	4.23	4.03	
	Sound Level	[dBA]	50	51	52	48	54	57	
	Rated Current (Out)	[A]	7.22	6.43	7.49	8.48	12.45	15.24	
	Max. Current	[A]	10.2	15	15	17.4	18.4	27	
	Air Volume (High)	[L/s]	555	716.67	716.67	730	988.3	1165	
Max. Total Connectable Capacity	[kW]	7.0	10.0	12.5	14.5	17.1	18.0		
Power Supply [V, Phase, Hz]			230V, Single Phase, 50Hz, Outdoor Power Supply						
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550	840 x 330 x 710	840 x 330 x 710	900 x 320 x 900	900 x 320 x 900	900 x 320 x 1070	
	Weight	[kg]	38	57	58	67	68	88	
Ext. Pipe	Liquid (Diameter)	[mm]	6.35 x2	6.35 x3	6.35 x4	6.35 x4	6.35 x5	6.35 x6	
	Gas (Diameter)	[mm]	9.52 x2	9.52 x3	9.52 x3 + 12.7 x1	9.52 x3 + 12.7 x1	9.52 x4 + 12.7 x1	9.52 x5 + 12.7 x1	
	Max. Length*(Total/Each)	[m]	30/20	50/25	60/25	70 / 25	80 / 25	80 / 25	
	Max. Height	[m]	15 (10)	15 (10)	15 (10)	15 (10)	15 (10)	15 (10)	
Outdoor	Cooling	[°C]	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-10 / +43	
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	

Power Multi Series Outdoor Unit p.17

MODEL NAME			MXZ-8B140VA	MXZ-8B160VA	
CONNECTABLE INDOORS			1-8 indoor units	1-8 indoor units	
COOL	Capacity	Rated	[kW]	14.0	15.5
		Min-Max	[kW]	*	*
	Input	[kW]	3.79	4.64	
	EER		3.69	3.34	
	Sound Level	[dBA]	50	51	
	Rated Current (Out)	[A]	16.55	17.05	
	Max. Current	[A]	29.5	29.5	
	Air Volume (High)	[L/s]	1666.67	1766.67	
HEAT	Capacity	Rated*	[kW]	16.0	18.0
		Input	[kW]	3.9	4.8
	COP (Out)		4.1	3.75	
	Sound Level	[dBA]	52	54	
	Rated Current (Out)	[A]	17.05	21.09	
	Max. Current	[A]	29.5	29.5	
	Air Volume (High)	[L/s]	1666.67	1766.67	
	Max. Total Connectable Capacity	[kW]	18.5	20.2	
Power Supply [V, Phase, Hz]			230V, Single Phase, 50Hz		
Outdoor	Dimensions (WxDxH)	[mm]	950 x330 x1350	950 x330 x1350	
	Weight	[kg]	129	129	
Ext. Pipe	Liquid (Diameter)	[mm]	9.52 x1	9.52 x1	
	Gas (Diameter)	[mm]	15.88 x1	15.88 x1	
	Max. Length*(Total/Each)	[m]	115/70	115/70	
	Max. Height	[m]	20(30)	20(30)	
Outdoor	Cooling	[°C]	-5 / +46	-5 / +46	
	Heating	[°C]	-15 / +21	-15 / +21	

Please note: Final outdoor unit selection will be affected by several different factors. The combination of rooms and their location, as well as operating use will determine which of the proposed models you require. In many cases, an outdoor with a lower heating capacity may be adequate where not all indoor units are required to operate in maximum heating mode simultaneously. Or, if you are considering adding more indoor units in the future, in the interests of future-proofing, you may be best to select an outdoor unit capable of providing more capacity than you currently require.

*Given the range of indoor capacities and diversities available for use on these models, the Power Multi outdoor units do not have a fixed minimum or maximum capacity

Step By Step Selection Guide

With such a wide variety of options to choose from, this brochure has been designed to guide you through the process of selecting the Mitsubishi Electric heat pumps which best suit your home. We have endeavoured to make choosing the right Multi Room system for you as simple and straightforward as possible.

A qualified Mitsubishi Electric installer can take you through this process or use this to note your preferred indoor heat pump models before arranging your free in-home consultation.

Step 1: Room Sizing

Identify the room you wish to heat. Measure the height, length and width in metres. Multiply these dimensions to give you the room's volume in m³.

Step 2: Heating kW

Referring to the two tables shown below, identify whether your home is Type 1 (new or well insulated) or Type 2 (older, damp or lots of glass). Use the relevant table to find the room volume that closest matches yours. Enter the corresponding kW heating number listed.

Room Type	Size (h x l x w)	Room Volume (m ³)	Home Type	Heating kW needed
eg Lounge	6 x 6 x 2.4	86.4	New or Well Insulated	4.7kW
1				
2				
3				
4				
5				
6				
7				
8				

Home Type 1: New or Well Insulated House

Room Size				Heat Pump Models Recommended						
Room Volume		Room Size Factor	kW Heating	GE Series Wall Mounted	FB Series Wall Mounted	Designer Series Wall Mounted	KA Series Floor Mounted	SLZ Series Ceiling Mounted	PCA Series Ceiling Mounted	Concealed Systems
28.8m ³	x	55 watts/m ³	= 1.6 kW	MSZ-GE22		MSZ-EF22	MFZ-KA25†	SLZ-KA25†		
38.4m ³	x	55 watts/m ³	= 2.1 kW	MSZ-GE22		MSZ-EF22	MFZ-KA25†	SLZ-KA25†		SEZ-KD35
48.0m ³	x	55 watts/m ³	= 2.6 kW	MSZ-GE25†		MSZ-EF25	MFZ-KA25†	SLZ-KA25		SEZ-KD35
60.0m ³	x	55 watts/m ³	= 3.3 kW	MSZ-GE33	MSZ-FB35VAH†	MSZ-EF35	MFZ-KA35	SLZ-KA35		SEZ-KD35
72.0m ³	x	55 watts/m ³	= 4.0 kW	MSZ-GE33	MSZ-FB35VAH	MSZ-EF35	MFZ-KA35	SLZ-KA35		SEZ-KD35
86.4m ³	x	55 watts/m ³	= 4.7 kW	MSZ-GE42	MSZ-FB50VAH	MSZ-EF42	MFZ-KA50	SLZ-KA50	PCA-RP50	SEZ-KD50
100.8m ³	x	55 watts/m ³	= 5.5 kW	MSZ-GE50	MSZ-FB50VAH	MSZ-EF50	MFZ-KA50		PCA-RP60	SEZ-KD50
117.6m ³	x	55 watts/m ³	= 6.5 kW	MSZ-GE60					PCA-RP60	SEZ-KD60
134.4m ³	x	55 watts/m ³	= 7.4 kW	MSZ-GE71					PCA-RP71	SEZ-KD71/PEA-RP71
153.6m ³	x	55 watts/m ³	= 8.4 kW	MSZ-GE80						PEA-RP100†

† Higher rated unit for application, but can be used.



5 YEAR WARRANTY
 Mitsubishi Electric Heat Pumps come with a full 5 year parts, labour, and compressor warranty. Warranty conditions apply.

CUSTOMER SERVICE
 For more information on Mitsubishi Electric Heat Pumps, please call our customer service team on **0800 784 382**.

 **MITSUBISHI ELECTRIC**
www.mitsubishi-electric.co.nz



Black Diamond Technologies
 Exclusive distributor of Mitsubishi Electric products in New Zealand.

WELLINGTON
 // HEAD OFFICE

1 Parliament Street
 PO Box 30772
 Lower Hutt 5040

Phone (04) 560 9147
 Fax (04) 560 9133

AUCKLAND
 // LOCAL OFFICE

Unit 1, 4 Walls Road
 PO Box 12726
 Penrose, Auckland 1642

Phone (09) 526 9347
 Fax (09) 526 9369

CHRISTCHURCH
 // LOCAL OFFICE

44 Halwyn Drive
 PO Box 16904
 Hornby, Christchurch 8441

Phone (03) 341 2837
 Fax (03) 341 2838