



Heat Pumps

RapidHeat^o

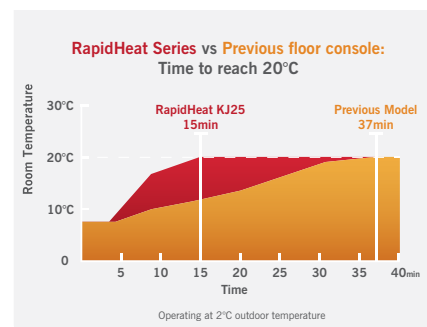
Floor Console

New Zealand's quietest floor consoles* feature a new contemporary slim-line design and dramatically reduced depth. RapidHeat Floor Consoles are the perfect solution for unobtrusive heating at floor level. New advanced sensors with Intuitive Control Logic Technology offer unparalleled low temperature heating performance in the shortest amount of time all, whilst maintaining maximum energy efficiency.



Rapid Heating

Mitsubishi Electric RapidHeat Floor Consoles ensure the perfect room temperature is reached faster with new Rapid Heat Technology. Automatically activated at start up, Rapid Heat releases warm air which is first blown in a downward direction. The air is then recirculated through the indoor unit where it is heated a second time before being released again, reducing the time it takes to heat your room. In fact, during cold conditions Rapid Heat automatically heats the room up to 2x faster on start-up¹, ensuring you always enjoy superior warmth and comfort.



Multi Vane Flow – Even Heat Distribution

RapidHeat Floor Consoles allow complete customisation for ultimate comfort. Equipped with multi vane flow function, warm air is blown in both an upward and downward direction providing even and effective heating whilst also eliminating draughts. This is achieved via three uniquely shaped vanes that are designed for better airflow control, whilst also providing the freedom to be customised to your preference.



Optional HyperCore[®]

HYPERCORE[®]

Mitsubishi Electric HyperCore[®] Technology guarantees its fully rated capacity right down to -15 degrees and continues heating right down to -25 degrees. (See the HyperCore[®] section for more detail.)

While ordinary heat pumps produce less heat below 7 degrees, only

Features

RapidHeat Technology	NZ's Quietest Floor Console*	HyperCore [®] Option	Multi Vane Air Flow
Anti-Allergy Enzyme Filters	Nano Platinum Filter	Energy Star [®] Mark (KJ25/35/50 only)	MultiRoomCompatible (KJ25/35/50 only)
Low Standby Power Usage	Wi-Fi Control Upgrade Option		

Small Room



MFZ-KJ25VE

Heating Capacity: 3.4 kW (1.2kW~4.6kW)



MFZ-KJ35VE

Heating Capacity: 4.3 kW (1.2kW~5.8kW)



Medium – Large Room



MFZ-KJ50VE

Heating Capacity: 5.8 kW (2.2kW~8.2kW)



MFZ-KJ50VEHZ HYPERCORE[®]

Heating Capacity: 5.8 kW (2.2kW~8.4kW)



MFZ-KJ60VE

Heating Capacity: 6.8 kW (2.2kW~9.1kW)

MFZ-KJ60VEHZ HYPERCORE[®]

Heating Capacity: 6.8 kW (2.2kW~9.1kW)

*MFZ-KJ 25/35 indoor sound level ¹Compared to previous model and when "two flow" is selected

Sleek, Sophisticated Design

Mitsubishi Electric RapidHeat Floor Consoles feature a new contemporary design that can be recessed into your wall to dramatically reduce the depth of the indoor unit from 215mm to 145mm – a decrease of 33%.

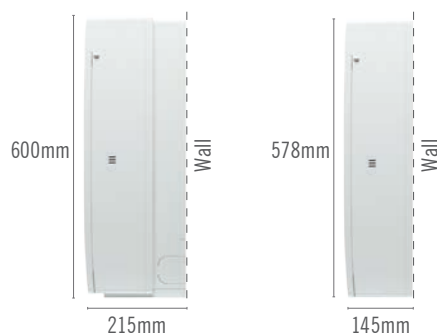
With the addition of a removable base, RapidHeat Floor Consoles are the perfect solution offering compact, unobtrusive floor mounted heating for new buildings and renovation projects.



Multi Vane Flow



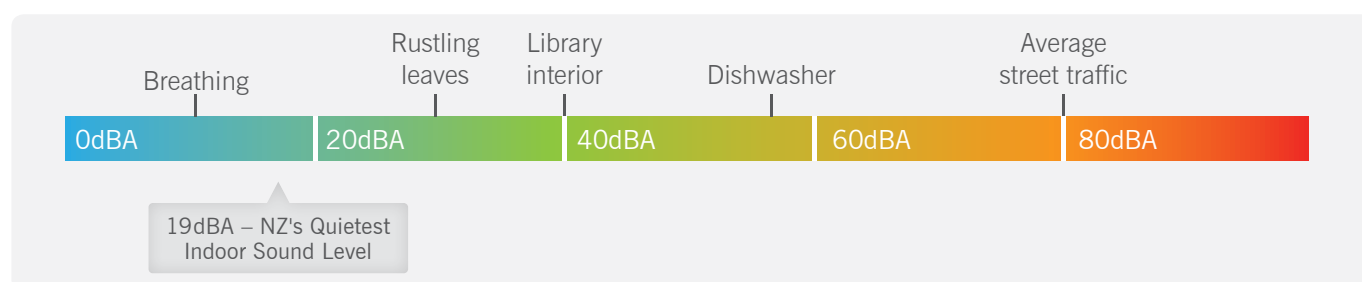
Recessed & Removable Base Options



NZ's Quietest Heat Pump

Starting at barely a whisper, Mitsubishi Electric RapidHeat Floor Consoles are New Zealand's quietest floor console heat pumps starting from just 19dBA*. This is achieved through

the use of a larger fan motor that not only enables the unit to be quieter, but also increases its efficiency when heating your home.



*MFZ-KJ 25/35 indoor sound level



High Energy Efficiency

Our RapidHeat Floor Consoles (KJ25/35/50) have been awarded the Energy Star® mark signalling they are among the most energy efficient heat pumps available in New Zealand. In fact, Mitsubishi Electric have more Energy Star® floor consoles than any other brand. RapidHeat Floor Consoles also feature Econo Cool which switches airflow to swing mode, ensuring you use less energy to provide an overall cooling effect during the summer months.



Cleaner, Healthier Air

RapidHeat Floor Consoles make use of two types of filtration. The Nano-Platinum Filter generates stable antibacterial and deodorising effects, while the Electro Static Anti-Allergy Enzyme Filter uses enzyme catalysts to filter allergens and remove harmful bacteria.



7-Day Programmable Controller

Available on all RapidHeat Floor Consoles, the 7-Day programmable controller allows you to program up to four time and temperature settings for each day of the week so you can return to comfort without having to lift a finger.



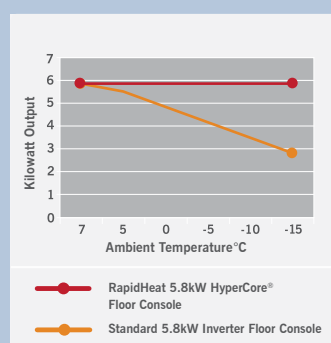
Wi-Fi Control Upgrade Option

RapidHeat Floor Consoles are New Zealand's first Wi-Fi compatible floor consoles. With the addition of Mitsubishi Electric Wi-Fi Control, you can now control your floor console from absolutely anywhere. With bi-directional technology you can also monitor your heat pump ensuring you always return home to ultimate comfort.



HyperCore® Technology by Mitsubishi Electric is specifically designed for New Zealand's winter conditions. While ordinary heat pumps produce less heat below 7 degrees, only HyperCore® guarantees its fully rated capacity right down to -15 degrees so you get all the heat you paid for.

Optional HyperCore® Technology



As this graph shows, even though both heat pumps are rated to provide 5.8kW of heat, their performance differs greatly as the temperature drops. While standard heat pumps are sometimes subject to heat degradation as temperatures drop,

the RapidHeat 5.8kW HyperCore Floor Console continues to deliver the full 5.8kW you paid for. Combining the best low temperature performance with Rapid Heat Technology ensures warmth quickly and when you need it most.

HyperCore® Compressor







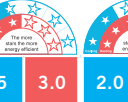
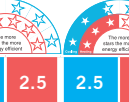
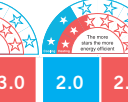

HyperCore® Heat Pumps are fitted with a 'heating caulking compressor' unique to Mitsubishi Electric. The compressor is extremely efficient in its construction and performance, capable of moving more vapour volume for less energy input. This allows the compressor to maintain higher revolutions and, more importantly, maintain efficiency.

HyperCore® Advanced Defrost Logic

When temperatures drop below zero degrees ice will build up on the outdoor unit of any heat pump. How your heat pump reacts to this determines how effective it will be in providing heat to your home. To remove the ice build up the heat pump will need to go into "defrost" during which time the heat pump will not be delivering heat into your home. HyperCore's unique defrost logic has been fine tuned to decrease the number of defrost periods required and optimise its heating performance.



Specifications

QUICK GLANCE	TYPE	Floor Mounted Heat Pumps					
	SERIES	MFZ-KJ Series (S - M - L Room)				MFZ-KJ HYPERCORE™	
	MODEL	MFZ-KJ25	MFZ-KJ35	MFZ-KJ50	MFZ-KJ60	MFZ-KJ50	MFZ-KJ60
	INDOOR UNIT	MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE	MFZ-KJ60VE	MFZ-KJ50VE	MFZ-KJ60VE
	OUTDOOR UNIT	MUFZ-KJ25VE	MUFZ-KJ35VE	MUFZ-KJ50VE	MUFZ-KJ60VE	MUFZ-KJ50VE-HZ	MUFZ-KJ60VE-HZ
	COOL	2.5kW 4.84 EER 20 dBA*	3.5kW 3.84 EER 20 dBA*	5.0kW 3.57 EER 27 dBA*	6.0kW 3.47 EER 27 dBA*	5.0kW 3.57 EER 27 dBA*	6.0kW 3.49 EER 27 dBA*
	HEAT	3.4kW 4.42 COP 19 dBA*	4.3kW 3.81 COP 19 dBA*	5.8kW 3.83 COP 29 dBA*	6.8kW 3.59 COP 29 dBA	5.8kW 3.94 COP 29 dBA*	6.8kW 3.65 COP 29 dBA*
	ENERGY STAR®						
	ENERGY RATING						
	PREVIOUS ENERGY RATING	N/A	N/A	N/A	N/A	N/A	N/A

COOL	Capacity	Rated	[kW]	2.5	3.5	5.0	6.0	5.0	6.0
		Min-Max	[kW]	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7	1.6 - 6.8	1.6 - 5.7	1.6 - 6.8
	Input	Rated	[kW]	0.54	0.9	1.4	1.75	1.4	1.75
	EER			4.84	3.84	3.57	3.47	3.57	3.49
	AEER			4.84	3.84	3.57	3.47	3.57	3.49
	Star Rating			5.0	3.0	2.5	2.0	2.5	2.0
	Sound Level	In (Quiet)	[dBA]	20	20	27	27	27	27
		In (low-SHi*)	[dBA]	25-30-35-39	25-30-35-39	31-35-39-44	35-39-46-53	31-35-39-44	35-39-46-53
		Out (SPL*)	[dBA]	46	47	49	52	49	52
	Rated Current (In+Out)		[A]	2.7	4.2	6.2	7.8	6.2	7.8
	Max. Current		[A]	9.4	9.4	14	16.5	14	16.5
	Air Volume In (SHi*)		[L/s]	136	136	177	250	177	250

HEAT	Capacity	Rated	[kW]	3.4	4.3	5.8	6.8	5.8	6.8
		Min-Max	[kW]	1.2 - 4.6	1.2 - 5.8	2.2 - 8.2	2.2 - 9.1	2.2 - 8.4	2.2-9.1
		@ -15 °C	[kW]	**	**	**	**	5.8	6.8
	Input	Rated	[kW]	0.77	1.10	1.5	1.89	1.5	1.89
	COP			4.42	3.81	3.83	3.59	3.94	3.65
	ACOP			4.42	3.81	3.83	3.59	3.94	3.65
	Star Rating			4.0	3.0	3.0	2.5	3.0	2.5
	Sound Level	In (Quiet)	[dBA]	19	19	29	29	29	29
		In (Low-SHi*)	[dBA]	25-30-35-41	25-30-35-41	35-40-45-50	35-41-47-51	35-40-45-50	35-41-47-51
		Out (SPL*)	[dBA]	51	51	52	53	52	53
	Rated Current (In+Out)		[A]	3.7	5.0	6.7	8.4	6.7	8.4
	Max. Current		[A]	9.4	9.4	14	16.5	14	16.5
	Air Volume In (SHi*)		[L/s]	161	161	233	243	233	243

Controller	Standard		Infra Red Remote with 7-Day Controller					
	Optional Wired 7-Day Timer		Optional: PAR-31MAA (interface required)					
Adaptor	Optional Wi-Fi Adaptor		Optional: MAC-558IF-E					
Power Supply	(Powered from outdoor unit)		230 / Single Phase / 50 Hz					
Indoor	Dimensions (WxDxH)	[mm]	750 x 215 x 600					
	Weight	[kg]	15					
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550		840 x 330 x 880			
	Weight	[kg]	37		55			
	Sound Level - SPL*/Power (Cooling-Heating)	[dBA]	46-59 / 51-62	47-60 / 51-63	49-63 / 52-63	52-65 / 53-65	49-63 / 52-63	52-65 / 53-65
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7
	Max. Length/Height†	[m]	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15
	Chargeless Piping Length	[m]	7	7	7	7	7	7
Operation Range Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-25 / +24	-25 / +24
Colour			White					



5 Year Warranty

The Mitsubishi Electric Heat Pumps listed in this table come with a full 5 year parts, labour, and compressor warranty. Warranty conditions apply.

August 2015



For more information on Mitsubishi Electric Heat Pumps, please call our customer service team on **0800 784 382** or visit **www.mitsubishi-electric.co.nz**