

Heat Pump Selection Guide



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

Correct sizing is crucial in ensuring you receive optimal comfort levels for your home. Selecting a heat pump which is too small for the area you are trying to heat will result in increased noise, poor performance and higher power consumption as the unit works to achieve heating levels beyond its capability. Installing a heat pump which is too large will create draughts and uneven heat output.

Factors such as the age of the home, adequate insulation, the amount of glass windows and the climate of the area you live in must also be considered before installation takes place, as these have a direct bearing on the performance required.

Mitsubishi Electric has designed the guide below to help you determine the approximate heating requirement of your room.

New or Well Insulated House*

Room Size Calculation						Heat Pump Models					
Room Size		Ceiling Height		Room Volume	Room Size Factor	kW Heating	GE Series Wall Mounted	HyperCore® Wall Mounted	KA Series Floor Mounted	HyperCore® Floor Mounted	Ceiling Mounted
4m x 3m	x	2.4m	=	28.8m ³	x 55 watts per m ³	= 1.6 kW	MSZ-GE25 [†]		MFZ-KA25 [†]		SLZ-KA25 [†]
4m x 4m	x	2.4m	=	38.4m ³	x 55 watts per m ³	= 2.1 kW	MSZ-GE25 [†]		MFZ-KA25 [†]		SLZ-KA25 [†]
4m x 5m	x	2.4m	=	48.0m ³	x 55 watts per m ³	= 2.6 kW	MSZ-GE25 [†]		MFZ-KA25 [†]		SLZ-KA25
5m x 5m	x	2.4m	=	60.0m ³	x 55 watts per m ³	= 3.3 kW	MSZ-GE25	MSZ-FB35VAH [†]	MFZ-KA25		SLZ-KA35
6m x 5m	x	2.4m	=	72.0m ³	x 55 watts per m ³	= 4.0 kW	MSZ-GE33	MSZ-FB35VAH	MFZ-KA35	MFZ-FB50VAH [†]	SLZ-KA35
6m x 6m	x	2.4m	=	86.4m ³	x 55 watts per m ³	= 4.7 kW	MSZ-GE42	MSZ-FB50VAH	MFZ-KA50	MFZ-FB50VAH	SLZ-KA50
6m x 7m	x	2.4m	=	100.8m ³	x 55 watts per m ³	= 5.5 kW	MSZ-GE50	MSZ-FB50VAH	MFZ-KA50	MFZ-FB50VAH	
7m x 7m	x	2.4m	=	117.6m ³	x 55 watts per m ³	= 6.5 kW	MSZ-GE60				
7m x 8m	x	2.4m	=	134.4m ³	x 55 watts per m ³	= 7.4 kW	MSZ-GE71				
8m x 8m	x	2.4m	=	153.6m ³	x 55 watts per m ³	= 8.4 kW	MSZ-GE80				

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

Cold Damp House or Lots of Glass*

Room Size Calculation						Heat Pump Models					
Room Size		Ceiling Height		Room Volume	Room Size Factor	kW Heating	GE Series Wall Mounted	HyperCore® Wall Mounted	KA Series Floor Mounted	HyperCore® Floor Mounted	Ceiling Mounted
4m x 3m	x	2.4m	=	28.8m ³	x 65 watts per m ³	= 1.9 kW	MSZ-GE25 [†]		MFZ-KA25 [†]		SLZ-KA25 [†]
4m x 4m	x	2.4m	=	38.4m ³	x 65 watts per m ³	= 2.5 kW	MSZ-GE25 [†]		MFZ-KA25 [†]		SLZ-KA25
4m x 5m	x	2.4m	=	48.0m ³	x 65 watts per m ³	= 3.1 kW	MSZ-GE25	MSZ-FB35VAH [†]	MFZ-KA25		SLZ-KA35
5m x 5m	x	2.4m	=	60.0m ³	x 65 watts per m ³	= 3.9 kW	MSZ-GE33	MSZ-FB35VAH	MFZ-KA35	MFZ-FB50VAH [†]	SLZ-KA35
6m x 5m	x	2.4m	=	72.0m ³	x 65 watts per m ³	= 4.7 kW	MSZ-GE42	MSZ-FB50VAH	MFZ-KA50	MFZ-FB50VAH	SLZ-KA50
6m x 6m	x	2.4m	=	86.4m ³	x 65 watts per m ³	= 5.6 kW	MSZ-GE50	MSZ-FB50VAH	MFZ-KA50	MFZ-FB50VAH	
6m x 7m	x	2.4m	=	100.8m ³	x 65 watts per m ³	= 6.5 kW	MSZ-GE60				
7m x 7m	x	2.4m	=	117.6m ³	x 65 watts per m ³	= 7.6 kW	MSZ-GE71				
7m x 8m	x	2.4m	=	134.4m ³	x 65 watts per m ³	= 8.7 kW	MSZ-GE80				

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

* These are a guide only – a heat pump should not be purchased without first obtaining an in-home quote by a qualified Mitsubishi Electric Authorised Installer.