



ecolution
AIR CONDITIONING

Wall Mounted Inverter Split System

SRK

Mitsubishi Heavy Industries has further extended its development in world leading technology applied to high efficiency air conditioning and heat pump systems.

SRK Wall Mounted Split System - INVERTER

SRK-ZGS & ZE

Cooling Range: 2.5 - 8.0kW
Heating Range: 4.5 - 10.5kW

SRK-ZGX

Cooling Range: 2.5 - 5.3kW
Heating Range: 4.5 - 7.9kW



Air conditioners and heat pumps for residential and light commercial applications



RESIDENTIAL • SMALL OFFICES • HOTELS • SHOPS • CONSULTING & TREATMENT ROOMS

The new SRK INVERTER range combines sophisticated micro-processor energy saving controls with advanced refrigeration technology, applied to small air conditioning/heat pump systems.

The systems will provide cooling or heating, depending on the room condition and the selected temperature. Instead of switching on/off, as dictated by a room thermostat, the output capacity, both heating and cooling, is automatically varied to match the requirement at the time. This saves energy, and provides stable and comfortable temperature conditions.

The major advance in heat pump technology is the new Mitsubishi high efficiency DC-PAM INVERTER compressor.

A typical system consists of an indoor unit mounted at high level on a wall, connected by two small copper pipes to a weatherproof outdoor unit, which can stand on the ground, on wall brackets, or on a flat roof or balcony.

The indoor unit comes with a hand held controller, which is used to switch the unit on/off and to adjust the temperature and fan speed. A 24 hour timer control is included. Alternatively an optional wired controller is available for certain models.



SRK-ZGS - ZE INVERTER

SRK-ZGX HYPER INVERTER

Key Features

- High C.O.P, up to record 5.45 (ZGX)
- All models are cooling/heating
- New advanced air filtration
- Infra-red controller with wall mounting bracket
- Extended operation range down to -15°C
- Pipe runs up to 30 metres on 63 and 71 models
- Super-quiet - 21dB on SRK20 and 25-ZGX
- Back-up switch for loss of controller
- Cold draft prevention on heat pump start up
- Fault diagnosis
- PRE-CHARGED WITH REFRIGERANT for up to 15 metres pipe length
- Auto re-start after power interruption
- Wired Controller option on SRK-ZE, and with adaptor (ref: 625170) on SRK-ZG

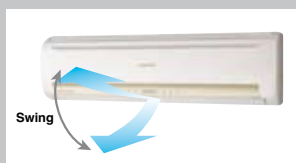
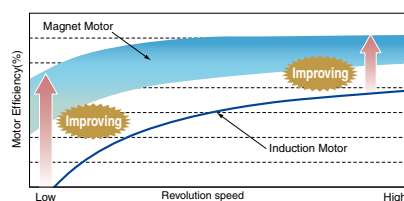
SRK – Residential and Light Commercial Application

The smaller SRK models are ideal for bedrooms and living rooms, where high temperatures and humidity can create discomfort during the summer. They are also applied to home offices, where computers and other electrical equipment can add to the heat problem in small rooms, especially where there is a need to keep windows locked for security reasons, or to reduce noise disturbance from outside.

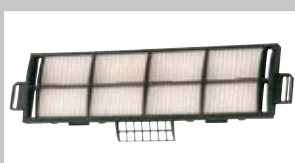
SRK systems are used extensively in small offices, restaurants, clubs, and many other light commercial applications. They provide a low cost solution to problems of overheating in summer, and will also provide extremely efficient heating in winter through the heat pump operation.

New High Efficiency DC PAM INVERTER

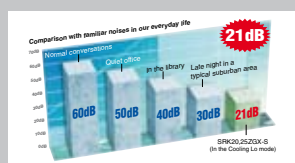
The prime motivating factor behind the sophisticated development of high efficiency heating and cooling systems, is the rising cost of energy, and the need to reduce carbon emissions. The compressor uses most of the electricity in a system, so this is the focal point for saving energy. The Mitsubishi Pulse Amplitude Modulation Inverter and the new DC compressor, provide the required improvements in efficiencies for both cooling and heating operations.



Vertical and horizontal air distribution



Allergen Clear Filtration on all indoor models



Super-Quiet operation down to 21dB on SRK20 and 25-ZGX



Outdoor Unit - new compact design

		WALL SYSTEMS - INVERTER					HYPER INVERTER			
		SRK25-ZG	SRK35-ZG	SRK50-ZG	SRK63-ZE	SRK71-ZE	SRK20-ZGX	SRK25-ZGX	SRK35-ZGX	SRK50-ZGX
Power source		1 ph	1 ph	1 ph	1 ph	1 ph	1 ph	1 ph	1 ph	1 ph
COOLING (nominal) range	kW	0.5 to 3.0	0.5 to 3.9	0.6 to 5.3	0.9 to 7.1	0.9 to 8.0	0.5 to 2.8	0.5 to 3.0	0.5 to 3.9	0.6 to 5.3
UK Cooling (max)	kW	2.91	3.78	5.14	6.89	7.76	2.70	2.91	3.78	5.14
Energy label in cooling		A	A	B	A	A	A	A	A	A
HEATING (nominal) max.	kW	0.5 to 4.8	0.5 to 5.1	0.6 to 7.9	0.9 to 9.0	0.9 to 10.5	0.5 to 4.6	0.5 to 5.0	0.5 to 5.1	0.6 to 7.9
C.O.P		3.66	3.68	3.41	3.82	3.62	5.45	5.08	4.20	3.61
Energy label in heating		A	A	B	A	A	A	A	A	A
INDOOR UNIT dimensions	unit (mm)	268 x 790 x 199	269 x 790 x 199	270 x 790 x 199	318 x 1098 x 248	318 x 1098 x 248	298 x 840 x 258	298 x 840 x 259	298 x 840 x 259	298 x 840 x 259
Net weight	kg	8.5	8.5	8.5	15	15	12	12	12	12
Sound Pressure Level	dBa	36/30/22	40/32/23	47/42/26	43/39/33	45/40/34	40/34/21	43/34/21	44/35/22	45/38/26
OUTDOOR UNIT dimensions	mm	540 x 780 x 290	541 x 780 x 290	640 x 850 x 290	750 x 880 x 340	750 x 880 x 340	540 x 780 x 289	540 x 780 x 290	540 x 780 x 290	640 x 850 x 290
Net weight	kg	35	38	43	59	59	38	38	38	43
Sound Pressure Level	dBa	44	48	48	47	47	44	45	47	43
Power Source Rating MCB	A	6A	10A	10A	10A	16A	6A	6A	6A	10A
Interconnecting wires	Mains	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Power supply to		Indoor	Indoor	Indoor	Outdoor	Outdoor	Indoor	Indoor	Indoor	Indoor
Ref. max piping length	m	15	15	25	30	30	15	15	15	25

*Cooling Nom: 27°Cdb/19°Cwb, Amb: 35°C UK Cooling: I/d: 23°Cdb/16°Cwb, Amb: 30°C *Heating: I/d: 20°Cdb, Amb: 7°Cdb/6°Cwb



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AIR CONDITIONING

Wall Mounted Split System

SRK - HG

Mitsubishi Heavy Industries - High Performance
R410A Cooling/Heat Pump Systems

LOW COST - fantastic value, for this
high specification product

SRK28-HG

Cooling: 2.60kW
Heating: 2.80kW

Includes:

Negative ION Generator

Natural Enzyme Filter

SRK40-HG

Cooling: 3.60kW
Heating: 4.00kW

Photocatalytic

Deodorizing Filter



Air conditioners
and heat pumps
for commercial
applications



RESIDENTIAL • SMALL OFFICE • HOTELS • SHOPS • CONSULTING & TREATMENT ROOMS



The SRK represents the smaller size of the extensive range manufactured by Mitsubishi Heavy Industries.

A typical system consists of an indoor unit mounted at high level on a wall, connected by two small copper pipes to a weatherproof outdoor unit, which can stand on the ground, on wall brackets, or on a flat roof or balcony.

The indoor unit comes with a hand held controller, which is used to switch the unit on/off and to adjust the temperature and fan speed.

The systems will provide cooling or heating, depending on the room condition and the selected temperature. During the cooling operation, the units will also reduce the humidity by extracting moisture from the room air, helping to provide comfortable conditions.



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AIR CONDITIONING

Wall Mounted Split System

SRK - HG

Key Features

- High C.O.P, up to 3.64
- All models are cooling/heating
- New advanced technology control
- Infra-red controller with wall mounting bracket
- Reduced height slim construction
- Pipe runs up to 15 metres
- Low noise - 30dBA on smaller models
- Back-up switch for loss of controller
- Cold draft prevention on heat pump start up
- Fault diagnosis
- Auto re-start after power interruption
- PRE-CHARGED WITH REFRIGERANT for up to 15 metres pipe length
- Power supply connection to indoor unit

SRK - Residential Application

The smaller SRK models are ideal for bedrooms and living rooms, where high temperatures and humidity can create discomfort during the summer. They are also applied to home offices, where computers and other electrical equipment can add to the heat problem in small rooms, especially where there is a need to keep windows locked for security reasons, or to reduce noise disturbance from outside.

SRK - Commercial Application

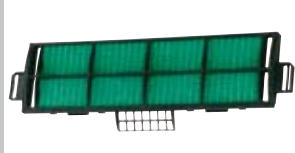
SRK systems are used extensively in small offices, restaurants, clubs, and many other light commercial applications. They provide a low cost solution to problems of overheating in summer, and will also provide extremely efficient heating in winter through the heat pump operation.

Enhanced Capital Allowance

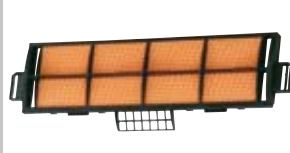
These SRK fixed-speed systems are 'A' & 'B' rated, and listed on the government Energy Technology List, allowing a business user to claim back 100% tax in the first year for the total installed costs of these energy efficient products.



Vertical and horizontal
air distribution



Natural Enzyme Filtration



Photocatalytic
Deodorizing Filter



Outdoor Unit - new
compact design

		WALL SYSTEM	
		SRK28-HG	SRK40-HG
Power source		1 ph	1 ph
COOLING nominal	kW	2.6	3.6
UK Cooling	kW	2.52	3.33
Energy label in cooling		A	A
HEATING nominal	kW	2.80	4.00
C.O.P		3.64	3.41
Energy label in heating		A	B
INDOOR UNIT dimensions	mm	268 x 790 x 199	268 x 790 x 199
Net weight	kg	8.5	8.5
Sound Pressure Level (cooling)	dBA	39/33/30	40/38/34
OUTDOOR UNIT dimensions	mm	540 x 780 x 290	540 x 780 x 290
Net weight	kg	31	38
Sound Pressure Level (cooling)	dBA	46	49
Power Source Rating MCB	A	10A	16A
Interconnecting wires	Mains	3 + E	3 + E
Ref. max piping length	m	15	15

* Cooling Nom: 27°Cdb/19°Cwb, Amb: 35°C UK Cooling: I/d: 23°Cdb/16°Cwb, Amb: 30°C

* Heating: I/d: 20°Cdb, Amb: 7°Cdb/6°Cwb

Jet Air Scroll

CFD (computational fluid dynamics) used in blade shape design of Mitsubishi's jet engines, has been applied to the design of air channels and fan development of the SRK indoor units. This enables a large volume of air to be moved with the minimum power consumption, with uniform air distribution, and low sound levels.

Natural Enzyme Filtration

The Natural Enzyme Filter will clean and sanitize the room air, attacking micro-organisms, and decreasing moulds and bacteria.

Photocatalytic Deodorizing Filter

This will help to reduce odours, is easily cleaned, and can be restored by exposing to sunlight.

Outdoor unit

The system outdoor unit is compact, fully weatherproof, and can be installed up to 15 metres from the indoor unit, with a maximum height differential of 10m. It houses the compressor, control and monitoring devices, and reversing valve to switch between cooling and heat pump modes.

The outdoor unit has its electrical connection from the indoor unit (3 core + E).



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Selected systems are listed on the Energy Technology List. This listing enables 100% tax allowance in the first year, on the total cost of Mitsubishi systems, plus the installation costs (including pipework and electrical supplies, materials, labour and design costs). Check ETL listing on government web site: www.eca.gov.uk/etl



MSZ-FD-VA Inverter Heat Pump

Wall Mounted System

The MSZ-FD series is our most energy efficient M Series wall mounted unit to date. These high COP models feature the new Plasma Duo filter system. These models also offer industry leading noise levels and have a distinctively styled front panel that not only looks appealing but also helps to make cleaning of the unit easier.

Also incorporated is an 'I-See Sensor', providing even temperature distribution and further reducing energy consumption.



Technical Information

MSZ-FD-VA - INDOOR UNITS

MODEL REFERENCE		MSZ-FD25VA	MSZ-FD35VA
CAPACITY (kW)	Heating (nominal)	3.2 (1.5-6.3)	4.0 (1.3-7.7)
	Cooling (nominal)	2.5 (1.1-3.5)	3.5 (0.8-4.0)
	Heating (UK)	2.65 (1.25-5.25)	3.3 (1.1-6.4)
	Cooling (UK)	2.5 (1.1-3.45)	3.45 (0.8-3.95)
SHF (nominal)		0.85	0.85
COP / EER (nominal)		5.25 / 5.15	4.71 / 4.19
ENERGY LABEL Heating/Cooling		A / A	A / A
AIRFLOW (m3/min) Heating/Cooling - Lo-Mi-Hi-SupHi		4.5-6.7-9.2-12.1 / 4.6-6.3-8.6-11.2	4.7-6.7-9.2-12.5 / 4.6-6.3-8.6-11.2
PIPE SIZE mm(in)	Gas	9.52 (3/8")	9.52 (3/8")
	Liquid	6.35 (1/4")	6.35 (1/4")
NOISE (dBA) Heating/Cooling - Lo-Mi-Hi-SupHi		20-29-36-43 / 20-29-36-42	21-29-36-44 / 21-29-36-43
DIMENSIONS (mm)	Width	798	798
	Depth	257	257
	Height	295	295
WEIGHT (kg)		12	12
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit
PHASE		Single	Single
FUSE RATING (BS88) – HRC (A)		6	6
INTERCONNECTING CABLE No. CORES		4	4

MUZ-FD-VAH - OUTDOOR UNITS

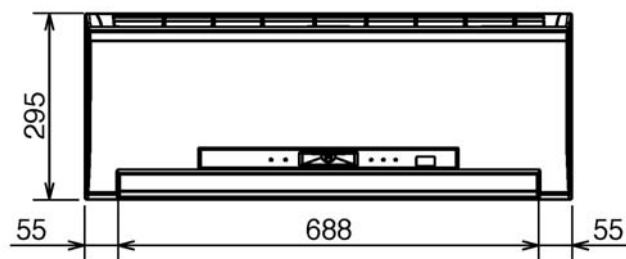
MODEL REFERENCE		MUZ-FD25VAH	MUZ-FD35VAH
NOISE (dBA) Heating/Cooling		46 / 46	50 / 47
WEIGHT (kg)		36	36
DIMENSIONS (mm)	Width	800	800
	Depth	285	285
	Height	550	550
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.61 / 0.485	0.85 / 0.835
	Heating/Cooling (UK)	0.555 / 0.388	0.774 / 0.668
STARTING CURRENT (A)		2.9	3.9
SYSTEM RUNNING CURRENT (A) [MAX] Heating/Cooling		2.9 / 2.4 [9.2]	3.9 / 3.8 [10.5]
FUSE RATING (BS88) – HRC (A)		16	16
MAINS CABLE No. CORES		3	3
MAX PIPE LENGTH (m)		20	20
MAX HEIGHT DIFFERENCE (m)		12	12
CHARGE R410A (kg) - 7m		1.15	1.15

INDOOR UNIT MSZ-FD25/35VA

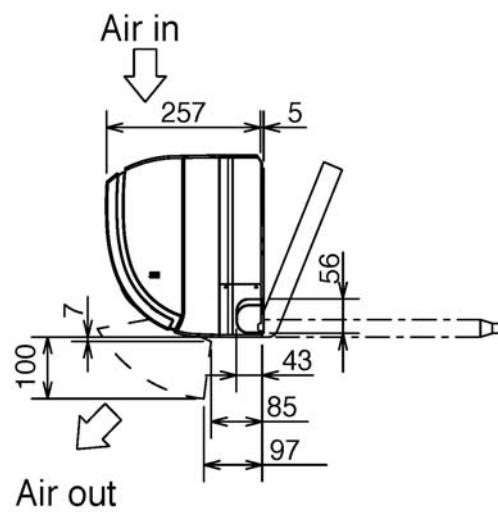
Upper View >



Front View >



Side View >



MSZ-GA/GB/GC-VA Inverter Heat Pump

Wall Mounted System





The MSZ series has been completely redesigned and features the new Catechin filter system.

These models also offer industry leading noise levels and have a distinctively styled front panel that not only looks appealing but also helps to make cleaning of the unit easier:



* Wide swing & long airflow mode available for MSZ-GA60/71VA *The anti-allergy enzyme filter is optional
* Quick clean design available for MSZ-GC22-35/GB50VA

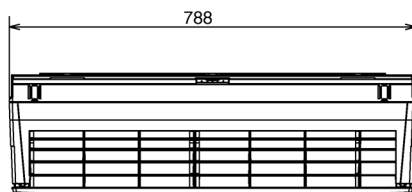
Technical Information

MSZ-GA/GB/GC-VA - INDOOR UNITS									
MODEL REFERENCE		MSZ-GC22VA	MSZ-GC25VA	MSZ-GC35VA	MSZ-GB50VA	MSZ-GA60VA	MSZ-GA71VA		
CAPACITY (kW)	Heating (nominal)	3.3	3.2 (0.9-4.5)	4.0 (0.9-5.0)	5.8 (0.9-7.8)	6.8 (0.9-8.1)	8.1 (0.9-9.6)		
	Cooling (nominal)	2.2	2.5 (0.9-3.0)	3.5 (1.0-3.9)	5.0 (0.9-5.8)	6.0 (0.9-6.7)	7.1 (0.9-8.3)		
	Heating (UK)	2.75	2.65 (0.75-3.75)	3.3 (0.75-4.15)	4.8 (0.75-6.5)	5.65 (0.75-6.75)	6.75 (0.75-8.0)		
	Cooling (UK)	2.2	2.5 (0.9-3.0)	3.45 (1.0-3.85)	4.95 (0.9-5.75)	5.95 (0.9-6.65)	7.05 (0.9-8.25)		
SHF (nominal)		-	0.79	0.76	0.69	0.79	0.71		
COP / EER (nominal)		-	3.83 / 3.76	3.79 / 3.26	3.41 / 3.03	3.51 / 3.11	3.31 / 2.93		
ENERGY LABEL	Heating/Cooling	-	A / A	A / A	B / B	B / B	C / C		
AIRFLOW (m3/min)	Heating/Cooling - Lo-Mi-Hi-SupHi	46-63-80-100 / 41-59-77-96	46-63-80-100 / 41-59-77-96	41-56-77-95 / 39-55-74-92	69-74-109 / 69-74-109	87-131-172 / 87-128-172	94-136-172 / 94-133-172		
PIPE SIZE mm(in)	Gas	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")		
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")		
NOISE (dBA)	Heating/Cooling - Lo-Mi-Hi-SupHi	21-29-36-43	21-29-36-43	22-29-36-43	30-36-42-48 / 32-38-44-48	32-40-54	33-40-54		
DIMENSIONS (mm)	Width	788	788	788	780	1100	1100		
	Depth	234	234	234	210	258	258		
	Height	295	295	295	298	325	325		
WEIGHT (kg)		9	9	9	9	16	16		
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit		
PHASE		Single	Single	Single	Single	Single	Single		
FUSE RATING (BS88) – HRC (A)		6	6	6	6	6	6		
INTERCONNECTING – CABLE No. CORES		4	4	4	4	4	4		

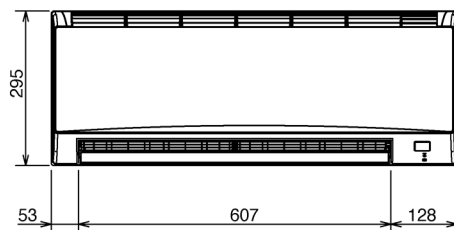
MUZ-GA/GB/GC-VA - OUTDOOR UNITS							
MODEL REFERENCE		N/A Multi-Split Only	MUZ-GC25VA	MUZ-GC35VA	MUZ-GB50VA	MUZ-GA60VA	MUZ-GA71VA
NOISE (dBA)	Heating/Cooling - Lo-Hi	-	47 / 46	48 / 47	53-55 / 51-52	53-55 / 51-53	53-55 / 51-53
WEIGHT (kg)		-	26	31	53	53	58
DIMENSIONS (mm)	Width	-	684	800	840	840	840
	Depth	-	255	285	330	330	330
	Height	-	540	550	850	850	850
ELECTRICAL SUPPLY		-	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	-	0.835 / 0.665	1.055 / 1.075	1.70 / 1.65	1.94 / 1.93	2.45 / 2.42
	Heating/Cooling (UK)	-	0.76 / 0.532	0.96 / 0.86	1.55 / 1.32	1.77 / 1.54	2.23 / 1.94
STARTING CURRENT (A)		-	4.2	5.0	7.46	8.93	11.2
SYSTEM RUNNING CURRENT (A) [MAX] Heating/Cooling		-	4.2 / 3.6 [5.8]	4.9 / 5.0 [6.5]	7.78 / 7.58 [16]	8.93 / 8.83 [16]	11.2 / 11.0 [16]
FUSE RATING (BS88) – HRC (A)		-	16	16	25	25	25
MAINS CABLE No. CORES		-	3	3	3	3	3
MAX PIPE LENGTH (m)		-	20	20	30	30	30
MAX HEIGHT DIFFERENCE (m)		-	12	12	15	15	15
CHARGE R410A (kg) - 7m		-	0.75	0.85	1.5	1.8	2.0

INDOOR UNIT MSZ-GC22-35VA

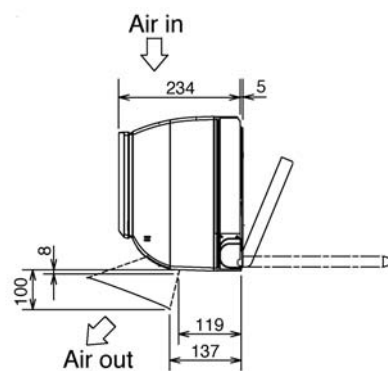
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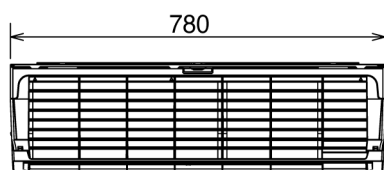


Side View >

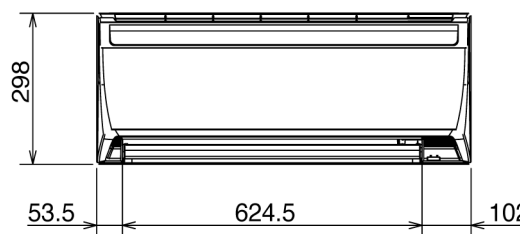


INDOOR UNIT MSZ-GB50VA

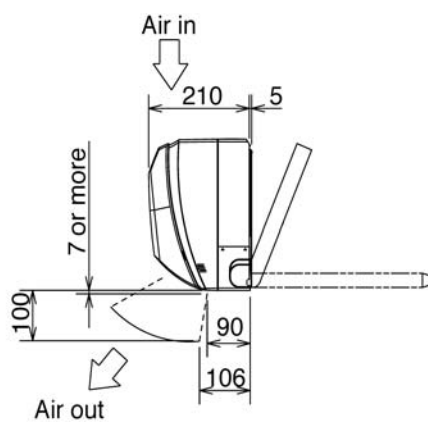
Upper View >



Front View >

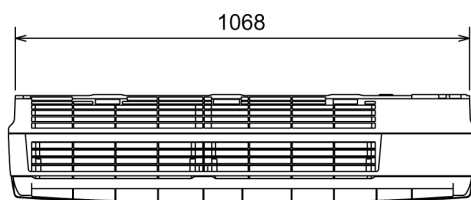


Side View >

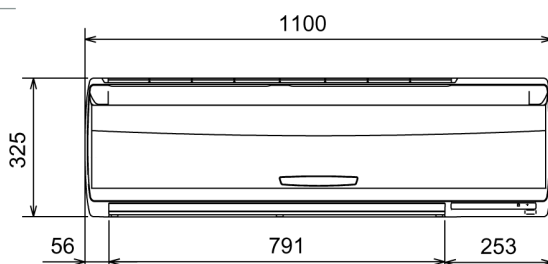


INDOOR UNIT MSZ-GA60/71VA

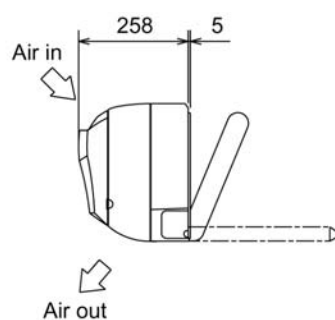
Upper View >



Front View >



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MSZ-HC-VA(B) Inverter Heat Pump

Classic Wall Mounted System

Mitsubishi Electric's new range of high specification, flat panel wall mounted models make use of inverter technology, whilst providing extremely good value for money, costing approximately 20% less than the MSZ-G equivalent.

These units have extremely quiet sound levels, whilst also delivering economical air conditioning, with improved COP/EER figures and in many cases corresponding 'A' rated energy labels.



* Catechin filter is optional * Air cleaning filter is optional

Technical Information

MSZ-HC-VA(B) - INDOOR UNITS

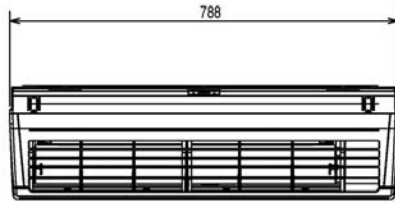
MODEL REFERENCE		MSZ-HC25VA	MSZ-HC35VAB
CAPACITY (kW)	Heating (nominal)	3.2 (0.9-4.4)	3.6 (0.9-4.8)
	Cooling (nominal)	2.5 (0.9-3.0)	3.4 (1.0-3.7)
	Heating (UK)	2.65 (0.75-3.65)	3.0 (0.75-4.0)
	Cooling (UK)	2.5 (0.9-3.0)	3.35 (1.0-3.65)
SHF (nominal)		0.79	0.76
COP / EER (nominal)		3.64 / 3.25	3.62 / 3.01
ENERGY LABEL	Heating/Cooling	A / A	A / B
AIRFLOW (m3/min)	Heating/Cooling - Lo-Mi-Hi-SupHi	5.1-6.5-7.8-9.1 / 5.3-7.0-8.7-10.5	4.9-6.7-8.0-9.2 / 5.2-6.8-8.4-10.2
PIPE SIZE mm(in)	Gas	9.52(3/8")	9.52(3/8")
	Liquid	6.35(1/4")	6.35(1/4")
NOISE (dBA)	Heating/Cooling - Lo-Mi-Hi-SupHi	26-32-38-43 / 26-32-38-43	26-32-38-43 / 26-32-38-43
DIMENSIONS (mm)	Width	788	788
	Depth	225	225
	Height	295	295
WEIGHT (kg)		9	9
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit
PHASE		Single	Single
RUNNING CURRENT (A)		0.22	0.22
FUSE RATING (BS88) - HRC (A)		6	6
INTERCONNECTING CABLE No. CORES		4	4

MUZ-HC-VA(B) - OUTDOOR UNITS

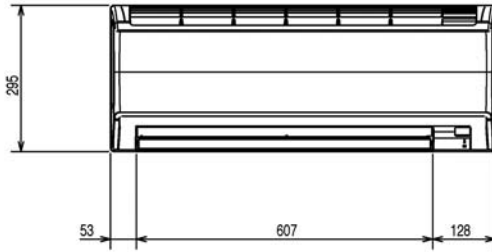
MODEL REFERENCE		MUZ-HC25VA	MUZ-HC35VAB
NOISE (dBA)	Heating/Cooling	47 / 46	48 / 47
WEIGHT (kg)		25	25
DIMENSIONS (mm)	Width	684	684
	Depth	255	255
	Height	540	540
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.88 / 0.77	0.995 / 1.13
	Heating/Cooling (UK)	0.801 / 0.616	0.905 / 0.904
STARTING CURRENT (A)		4.2	5.3
SYSTEM RUNNING CURRENT (A) [MAX] Heating/Cooling		4.2 / 3.7 [5.5]	4.8 / 5.3 [6.5]
FUSE RATING (BS88) - HRC (A)		16	16
MAINS CABLE No. CORES		3	3
MAX PIPE LENGTH (m)		10	10
MAX HEIGHT DIFFERENCE (m)		5	5
CHARGE R410A (kg) - 7m		0.73	0.75

INDOOR UNIT MSZ-HC25/35VA(B)

Upper View >



Front View >



Side View >

