MSZ-AY / MSZ-AP R32

Elegance Wall Mounted System

Inverter Heat Pump















The **MSZ-AY & MSZ-AP** wall mounted systems deliver excellent flexibility and energy efficiency for air conditioning projects. With a stylish design, range of capacities from 1.5kW to 7.1kW, and connection capability to single as well as multi-split systems, the Elegance series is a great fit for residential and light commercial applications.

Key Features & Benefits

- Elegant and sleek design to complement multiple application types
- High seasonal efficiencies, offering energy saving and low running costs
- Low noise levels, including Night Mode setting, for minimal disturbance to occupants
- Built in Wi-Fi interface enables system control & monitoring via the Mitsubishi Electric MELCloud Home app; plus voice control - compatible with Amazon Alexa enabled devices
- Dual-Barrier coating on the heat exchanger, fan and air duct prevents dust and grease accumulation within the unit, ensuring long-term, efficient operation (MSZ-AY only)
- Self-cleaning mode prevents mould and odours, allowing cleaner air to be delivered to the space (MSZ-AY only)
- Luxury Matt finish ensures easy cleaning and consistent premium appearance (MSZ-AY only)
- In-room air purification through an advanced V-Blocking filter, neutralising bacteria, viruses, allergens, dust and mould
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7

R32

MSZ-AY / MSZ-AP - INDOOR UNITS		MSZ-AY15VGK2	MSZ-AY20VGK2	MSZ-AY25VGK2	MSZ-AY35VGK2	MSZ-AY42VGK2	MSZ-AY50VGK2	MSZ-AP60VGK2	MSZ-AP71VGK2
CAPACITY (KW)	Heating (nominal)	2.0 (0.5-3.1)	2.5 (0.5-3.5)	3.2 (1.0-4.1)	4.0 (1.3-4.6)	5.2 (1.3-6.0)	5.5 (1.4-7.3)	6.8 (2.0-8.6)	8.1 (2.2-10.3)
	Cooling (nominal)	1.5 (0.5-2.2)	2.0 (0.6-2.7)	2.5 (0.9-3.4)	3.5 (1.1-3.8)	4.2 (0.9-4.5)	5.0 (1.4-5.4)	6.1 (1.4-7.3)	7.1 (2.0-8.7)
	Heating (UK)	1.64 (0.4-2.5)	2.06 (0.4-2.9)	2.64 (0.8-3.4)	3.3 (1.1-3.8)	4.45 (1.1-4.9)	4.78 (1.2-6.0)	5.6 (1.6-7.1)	6.76 (1.8-8.6)
	Cooling (UK)	1.49 (0.5-2.2)	1.98 (0.6-2.7)	2.48 (0.9-3.4)	3.47 (1.1-3.8)	4.17 (0.9-4.5)	4.95 (1.4-5.3)	6.05 (1.4-7.2)	7.04 (2.0-8.6)
SHF (nominal)		-	0.80	0.92	0.88	0.77	0.74	0.83	0.77
COP / EER (nominal)		-	4.17 / 4.35	4.10 / 4.17	3.88 / 3.54	3.74 / 3.23	3.74 / 3.24	4.07 / 3.84	3.82 / 3.53
SCOP / SEER (BS EN14825)		-	4.20 / 8.60	4.80 / 8.70	4.70 / 8.70	4.70 / 7.90	4.70 / 7.50	4.60 / 7.40	4.40 / 7.20
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	-	A+ / A+++	A++ / A+++	A++ / A+++	A++ / A++	A++ / A++	A++ / A++	A+ / A++
AIRFLOW (l/s)	Heating (SLo-Lo-Mid-Hi-SHi)	47-65-75-90-102	47-65-75-90-118	67-83-110-133-197	67-83-110-133-205	73-88-115-141-216	101-106-125-151-216	180-223-257-290-338	170-192-220-255-320
	Cooling (SLo-Lo-Mid-Hi-SHi)	47-62-73-87-102	47-62-73-87-110	60-83-105-130-175	60-83-105-130-185	75-95-115-140-190	86-106-125-151-195	157-183-220-267-315	160-192-220-255-310
PIPE SIZE MM (in)	Gas	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA)	Heating (SLo-Lo-Mid-Hi-SHi)	21-26-30-35-40	19-26-30-35-42	18-24-34-39-45	18-24-31-38-45	21-29-35-40-45	28-33-38-43-48	30-37-41-45-48	30-37-41-45-51
	Cooling (SLo-Lo-Mid-Hi-SHi)	21-26-30-35-40	19-26-30-35-42	18-24-30-36-42	18-24-30-36-42	21-29-34-38-42	28-33-36-40-44	29-37-41-45-48	30-37-41-45-49
SOUND POWER LEVEL (dBA)		54	57	57	57	57	58	65	65
DIMENSIONS (mm)	Width x Depth x Height	760 x 199 x 250	760 x 199 x 250	798 x 245 x 299	798 x 245 x 299	798 x 245 x 299	798 x 245 x 299	1100 x 257 x 325	1100 x 257 x 325
WEIGHT (kg)		7.9	7.9	10.5	10.5	10.5	10.5	16	17
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	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4	4	4	4	4	4

MUZ-AY / MUZ-AP - OUTDOOR UNITS		MULTI-SPLIT ONLY	MUZ-AY20VG2	MUZ-AY25VG2	MUZ-AY35VG2	MUZ-AY42VG2	MUZ-AY50VG2	MUZ-AP60VG2	MUZ-AP71VG2
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	-	48 / 47	48 / 47	50 / 49	51 / 50	52 / 52	57 / 56	55 / 56
SOUND POWER LEVEL (dBA)	Cooling	-	59	59	61	61	64	65	65
WEIGHT (kg)		-	27.5	26.5	27	33	40.5	40	53
DIMENSIONS (mm)	Width x Depth x Height	-	800 x 285 x 550	800 x 285 x 550	800 x 285 x 550	800 x 285 x 550	800 x 285 x 714	800 x 285 x 714	840 x 330 x 880
ELECTRICAL SUPPLY		-	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		-	Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	-	0.60 / 0.46	0.78 / 0.60	1.03 / 0.99	1.39 / 1.30	1.47 / 1.54	1.67 / 1.59	2.12 / 2.01
	Heating/Cooling (UK)	-	0.54 / 0.38	0.70 / 0.50	0.93 / 0.83	1.25 / 1.08	1.32 / 1.28	1.51 / 1.33	1.91 / 1.68
STARTING CURRENT (A)		-	3.2	3.6	4.7	6.1	6.9	7.4	9.3
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	-	3.2 / 2.6 [7.0]	3.6 / 2.9 [7.6]	4.7 / 4.5 [7.6]	6.1 / 5.8 [9.9]	6.5 / 6.9 [12.5]	7.4 / 7.1 [12.7]	9.3 / 8.8 [16.4]
FUSE RATING (BS88) – HRC (A)		-	10	10	10	10	16	16	20
MAINS CABLE No. CORES		-	3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		-	20	20	20	20	20	30	30
MAX HEIGHT DIFFERENCE (m)		-	12	12	12	12	12	15	15
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R32 (GWP 675)		-	0.55 / 0.37 (7.5m)	0.55 / 0.37 (7.5m)	0.55 / 0.37 (7.5m)	0.70 / 0.47 (7.5m)	1.00 / 0.68 (7.5m)	1.05 / 0.71 (15m)	1.50 / 1.02 (15m)
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R32 (GWP 675)		-	0.25 / 0.17	0.26 / 0.18	0.26 / 0.18	0.26 / 0.18	0.26 / 0.18	0.30 / 0.21	0.30 / 0.21

Accessories

Indoor Units

MAC-100FT-E

Plasma Quad Connect Air Purifying Device

MAC-1300RC-E

Natural white remote controller holder

Outdoor Units

MAC-881SG

Air outlet guide for MUZ-AY20/25/35/42VG2

MAC-882SG

Air outlet guide for MUZ-AY50VG, MUZ-AP60VG2

MAC-890SG-E

Air outlet guide for MUZ-AP71VG2

System Control Units

PAR-CT01MAA-SB/PB

Touch screen wired remote controller (PB = Premium Finish)

PAR-42MAAB/MAAPB

Standard wired remote controller (MAAPB = Black Finish)

MAC-334IF-E

Interface for M-NET, MA remote controller (PAR-42MAAB / PAR-CT01MAA), on/off input and run/fault output

MAC-497IF-E

Interface for MA remote controller (PAR-42MAAB / PAR-CT01MAA)

MELCOBEMS MINI (A1M+)

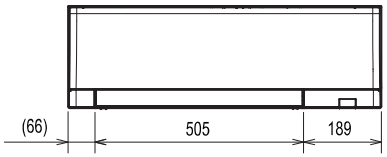
Modbus and BACnet MSTP CN105 adaptor

MELCORETAIL MINI

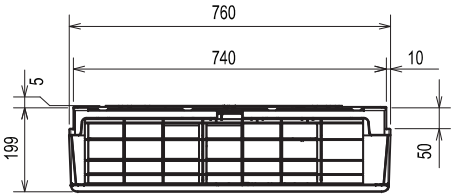
Retail control and input / output interface

Product Dimensions MSZ-AY15-20VGK2

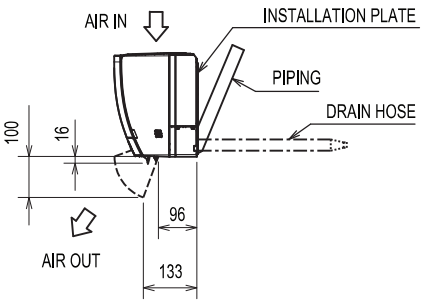
Front View



Upper View



Side View

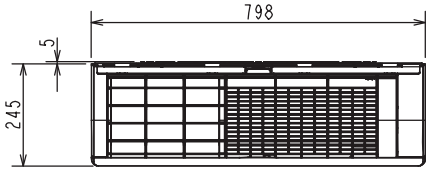


Product Dimensions MSZ-AY25-50VGK2

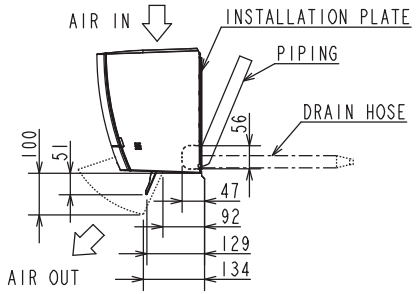
Front View



Upper View

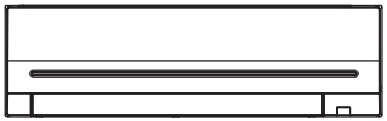


Side View

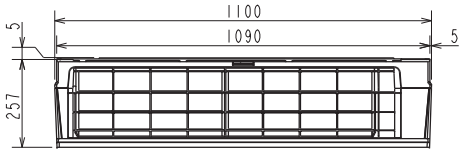


Product Dimensions MSZ-AP60-71VGK2

Front View



Upper View



Side View

