



**MITSUBISHI  
ELECTRIC**

**AIR CONDITIONING SYSTEMS**

## *Signature Series*

**NEW**



### **MSZ-EF22/25/35/42/50VEB** **Black**

The black Signature Series units feature a luxurious black finish, delivering a professional, quality feel to dark interiors.



### **MSZ-EF22/25/35/42/50VES** **Silver**

The silver Signature Series units are produced using highly advanced manufacturing processes, including the application of a special film coating to produce a stylish, contemporary finish.



### **MSZ-EF22/25/35/42/50VEW** **White**

The white Signature Series units blend in perfectly with light coloured interiors. The thin, stylish design expresses a sophisticated elegance.



# Key Features:

## Stylist Line-up Matches Any room Décor:

The streamlined wall-mounted units have elegant silver-bevelled edges, expressing sophistication and quality. Combining impressively low power consumption and yet quite powerful performance, these units provide best match scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.

**Quiet Operation:** The Signature Series indoor units feature a "Silent mode" fan speed setting that provides near silent operation as low as 21dBA (sizes 25/35).

**Weekly Timer:** Utilising a stylish infra-red remote controller, all Signature indoor units feature a built in weekly timer for complete control at all times.

**Filter:** The Signature series are equipped with nano platinum filter. This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodorising effects.

### Specifications (Single Split - Wall Mounted)

Type	Inverter Heat Pump (R410A)								
Model Name	MSZ-EF22VEW/B/S	MSZ-EF25VEW/B/S	MSZ-EF35VEW/B/S	MSZ-EF42VEW/B/S	MSZ-EF50VEW/B/S				
Indoor Unit	MSZ-EF22VEW/B/S	MSZ-EF25VEW/B/S	MSZ-EF35VEW/B/S	MSZ-EF42VEW/B/S	MSZ-EF50VEW/B/S				
Outdoor Unit	N/A	MUZ-EF25VE	MUZ-EF35VE	MUZ-EF42VE	MUZ-EF50VE				
Power Supply (V, Phase, Hz)	230V, Single, 50Hz, Outdoor unit power supply								
Cooling	Capacity [Min-Rated-Max]	1.2 - 2.5 - 3.4		1.4 - 3.5 - 4.0		0.9 - 4.2 - 4.6		1.4 - 5.0 - 5.4	
	Total Input [Min-Rated-Max]	0.240 - 0.545 - 1.150		0.210 - 0.910 - 1.500		0.160 - 1.280 - 1.930		0.300 - 1.560 - 1.980	
	AEER/EER	4.56 / 4.59		3.83 / 3.85		3.27 / 3.28		3.20 / 3.21	
	Star Rating	4.5		3.0		2.0		1.5	
	Running Current [Rated]	2.9		4.2		5.7		6.9	
	Sound Pressure [IN [Lo-Mid-Hi-SHI*]]	21 - 23 - 29 - 36 - 42		21 - 24 - 29 - 36 - 42		28 - 31 - 35 - 39 - 42		30 - 33 - 36 - 40 - 43	
	Level	47 (60)		49 (63)		50 (64)		52 (66)	
Air Volume [IN] [Lo-SHI*]	67 - 175		67 - 175		97 - 172		97 - 183		
Heating	Capacity [Min-Rated-Max]	1.1 - 3.2 - 4.2		1.8 - 4.0 - 5.5		1.4 - 5.4 - 6.3		1.6 - 5.8 - 7.5	
	Total Input [Min-Rated-Max]	0.250 - 0.700 - 1.170		0.280 - 0.955 - 1.530		0.260 - 1.460 - 2.050		0.310 - 1.565 - 2.640	
	ACOP/COP	4.55 / 4.57		4.17 / 4.19		3.69 / 3.70		3.70 / 3.71	
	Star Rating	4.5		4.0		2.5		2.5	
	Running Current [Rated]	3.5		4.4		6.5		7.0	
	Sound Pressure [IN [Lo-Mid-Hi-SHI*]]	21 - 24 - 29 - 37 - 45		21 - 24 - 29 - 37 - 45		28 - 30 - 35 - 41 - 48		30 - 33 - 37 - 43 - 49	
	Level	48 (60)		50 (63)		51 (64)		52 (66)	
Air Volume [IN] [Lo-SHI*]	67 - 198		67 - 198		97 - 212		107 - 220		
Starting Current	A		3.5		4.4		6.5		
Max. Running Current	A		7.3		8.5		9.5		
Indoor Unit	Input [Rated] Cooling/Heating	W		14 / 27		14 / 31		14 / 31	
	Dimensions [HxWxD]	mm		299 x 895 x 195		299 x 895 x 195		299 x 895 x 195	
	Weight	kg		11.5		11.5		11.5	
Outdoor Unit	Dimensions [HxWxD]	mm		550 x 800 x 285		550 x 800 x 285		550 x 800 x 285	
	Weight	kg		30		35		54	
	Breaker Size	A		10		10		16	
Ext. Piping	Diameter (Gas/Liquid)	mm		9.52 / 6.35		9.52 / 6.35		9.52 / 6.35	
	Max. Length/Height	m		20 / 12		20 / 12		30 / 15	
Guaranteed Operating Range	Cooling	°C		-		-10 - 46		-	
	Heating	°C		-		-15 - 24		-	

\* SHI = Super High

Note: The energy-saving potential of inverter air conditioners is not reflected in the star rating, as the current energy star rating scheme does not cover the determination of seasonal or part load efficiencies.

-MSZ-EF22VA is for MXZ connection only. (The indicated capacity is rated capacity if one unit is connected to MXZ.)

-MSZ-EF50 meets MEPS criteria at partial load.

### Signature series is also compatible with Multi Split units.

#### Specifications (Multi Split)

Type			Up to 2 Indoor Units	Up to 3 Indoor Units	Up to 4 Indoor Units	Up to 5 Indoor Units	Up to 6 Indoor Units	Up to 8 Indoor Units					
Model Name *1			MXZ-2CS2VA	MXZ-3CS4VA	MXZ-4C71VA	MXZ-4C80VA	MXZ-5C100VA	MXZ-6C120VA	MXZ-8B140VA	MXZ-8B160VA			
Power Supply (V, Phase, Hz, Source)			230, Single, 50, Outdoor power supply										
Cooling	Capacity	Rated	kW		5.2	5.4	7.1	8.0	10.0	12.0	14.0	15.5	
		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			
	Power Input [Indoor+Outdoor]	kW		1.358	1.256	1.768	2.071	2.910	3.740	3.79	4.64		
	EER [Indoor+Outdoor]			3.83	4.30	4.02	3.86	3.44	3.21	3.52	3.21		
	Running Current [Indoor+Outdoor]	A		6.09	5.52	7.76	9.10	12.78	16.4	16.6	20.4		
	Sound Pressure Level [Outdoor]	Silent - Rated		dB(A)		45 - 49	45 - 47	45 - 48	44 - 46	46 - 51	51 - 55	47 - 50	48 - 51
	Air Volume [Outdoor]	l/s		548		702	702	730	943	923	1,670	1,770	
Heating	Capacity	Rated	kW		6.4	7.0	8.6	9.4	12.0	14.0	16.0	18.0	
		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			
	Power Input [Indoor+Outdoor]	kW		1.656	1.534	1.797	2.022	2.950	3.610	3.90	4.80		
	COP *2 [Indoor+Outdoor]			3.86	4.56	4.79	4.65	4.07	3.88	3.91	3.61		
	Running Current *2 [Indoor+Outdoor]	A		7.42	6.74	7.89	8.88	12.96	15.9	17.1	21.1		
	Sound Pressure Level [Outdoor]	Silent - Rated		dB(A)		48 - 50	48 - 51	48 - 52	46 - 48	47 - 54	53 - 57	52	54
	Air Volume [Outdoor]	l/s		555		717	717	730	988	1,165	1,670	1,770	
Number of Connectable Indoor Units	Min. - Max.		1 - 2		1 - 3	1 - 4	1 - 4	1 - 5	2 - 6	2 - 8	2 - 8		
Breaker Size	A		15		25	25	25	25	32	40	40		
Outdoor	Dimensions	Height	mm		550	710	710	900	900	1,070	1,350	1,350	
		Width	mm		800	840	840	900	900	950	950	950	
		Depth	mm		285	330	330	320	320	320	330	330	
		Weight	kg		38	57	58	67	68	88	129	129	
Ext. Piping	Diameter	Liquid (ø)	mm		6.35 x 2	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 5	6.35 x 6	9.52 x 1	9.52 x 1	
		Gas (ø)	mm		9.52 x 2	9.52 x 3	9.52 x 3 + 12.7 x 1	9.52 x 3 + 12.7 x 1	9.52 x 4 + 12.7 x 1	9.52 x 5 + 12.7 x 1	15.88 x 1	15.88 x 1	
	Max. Length	Total - Each	m		30 - 20	50 - 25	60 - 25	70 - 25	80 - 25	80 - 25	115 - 70	115 - 70	
		Max. Height *2	m		15 / 10	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10	30 / 20	30 / 20	
Refrigerant Chargeless Piping Length	m		20		40	40	40	40	60	40	40		
Guaranteed Operating Range	Cooling	°C		-10 - +46		-10 - +46	-10 - +46	-10 - +46	-10 - +46	-5 - +46	-5 - +46		
	Heating	°C		-15 - +24		-15 - +24	-15 - +24	-15 - +24	-15 - +24	-15 - +21	-15 - +21		

\*1 Model name shows rated cooling capacity when max. number of indoor units are connected. MXZ-5C100VA: Rated at 10kW when 5 indoor units are connected.

(Rating Conditions)

Cooling: Indoor 27°C, D.B./19°C, W.B. Outdoor 35°C, D.B./24°C, W.B.

Heating: Indoor 20°C, D.B. Outdoor 7°C, D.B./6°C, W.B.

\*2 If the outdoor unit is installed higher than the indoor unit, max height is reduced to 10m.



Certificate Number 49385

Certificate Number EC97J1132

Mitsubishi Electric Shizuoka Works acquired ISO9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

## MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

Diamond Dealer Call Centre 1300 722 228

## MITSUBISHI ELECTRIC AUSTRALIA PTY. LTD. (Incorporated in New South Wales) ABN 58 001 215 792

<http://www.mitsubishielectric.com.au/>

### New South Wales:

348 Victoria Road, Rydalmere NSW 2116  
Ph: (02) 9684 7555 Fax: (02) 9898 1043

### Newcastle:

271 Bruncker Road, Adamstown NSW 2289  
Ph: (02) 4978 7813 Fax: (02) 4978 7899

### Canberra:

1st Floor, 12 Albany Street, Fyshwick ACT 2609  
Ph: (02) 6162 6303 Fax: (02) 6162 6300

### Victoria/Tasmania:

Suite 2, 10-16 Compark Circuit  
Mulgrave VIC 3170  
Ph: (03) 9535 7800 Fax: (03) 9535 7801

### North QLD - Townsville:

Level 1, 112 Denham Street, Townsville QLD 4810  
Ph: (07) 4728 5223 Fax: (07) 4771 3310

### Queensland/Northern Territory:

Building 101, 2A Boronia Road  
Brisbane Airport QLD 4008  
Ph: (07) 3623 2000 Fax: (07) 3860 6761

### South Australia:

Suite 1, 224 Glen Osmond Road, Fullarton SA 5063  
Ph: (08) 8338 1001 Fax: (08) 8338 0501

### Western Australia:

Unit 5, 329 Collier Road, Bassendean WA 6054  
Ph: (08) 9377 3400 Fax: (08) 9377 3499

New publication effective June, 2013  
Specifications subject to change without notice