

Single R32 Outdoor Units (25/35/42/50)



MUZ-EF25/35VG(H), 42VG



MUZ-EF50VG

Multi R32/R410A MXZ

New MSZ-EF-VG has wide line-up regarding multi connection with R32 MXZ and also R410A MXZ. Line-up of R410A MXZ is from 2 to 6 ports, and line-up of R32 MXZ is from 2 to 4 ports (72).

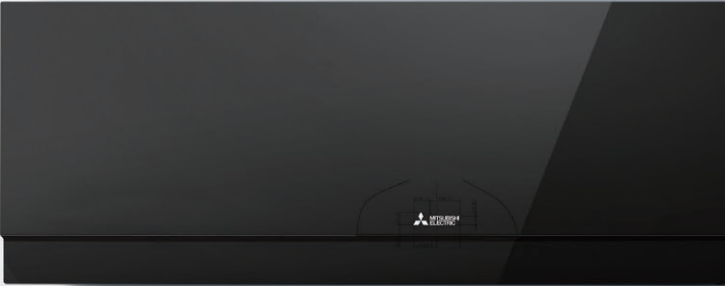
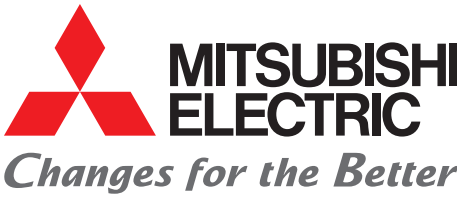
				
	2-ports	3-ports 4-ports	4-ports 5-ports	6-ports
R32	MXZ-2F33VF MXZ-2F42VF MXZ-2F53VF(H)	MXZ-3F54VF MXZ-3F68VF MXZ-4F72VF		
R410A	MXZ-2D33VA MXZ-2D42VA2 MXZ-2D53VA(H)2	MXZ-3E54VA MXZ-3E68VA MXZ-4E72VA	MXZ-4E83VA MXZ-5E102VA	MXZ-6D122VA2

Specifications

Indoor Unit				MSZ-EF18VG	MSZ-EF22VG	MSZ-EF25VG	MSZ-EF25VG	MSZ-EF35VG	MSZ-EF35VG	MSZ-EF42VG	MSZ-EF50VG
Outdoor Unit				for MXZ connection		MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG
Refrigerant				R32(*1)							
Power Supply	Source			Outdoor Power supply							
	Outdoor(V/Phase/Hz)			230/Single/50							
Cooling	Design load		kW	-	-	2.5	2.5	3.5	3.5	4.2	5.0
	Annual electricity consumption (*2)		kWh/a	-	-	96	96	139	139	186	233
	SEER			-	-	9.1	9.1	8.8	8.8	7.9	7.5
	Energy efficiency class			-	-	A***	A***	A**	A**	A**	A**
	Capacity	Rated	kW	-	-	2.5	2.5	3.5	3.5	4.2	5.0
		Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-4.0	1.1-4.0	0.9-4.6	1.4-5.4
	Total Input	Rated	kW	-	-	0.540	0.540	0.910	0.910	1.200	1.540
Heating (Average Season)	Design load		kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
		at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	2.4(-15°C)	1.7(-20°C)	3.4(-15°C)	3.5(-15°C)
	Back up heating capacity		kW	-	-	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption (*2)		kWh/a	-	-	713	727	882	900	1151	1304
	SCOP			-	-	4.7	4.6	4.6	4.5	4.6	4.5
	Energy efficiency class			-	-	A**	A**	A*	A*	A**	A*
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	4.0	5.4	5.8
		Min-Max	kW	-	-	1.0-4.2	1.0-4.2	1.3-5.1	1.3-5.1	1.3-6.3	1.4-7.5
Indoor Unit	Total Input	Rated	kW	-	-	0.700	0.700	0.950	0.950	1.455	1.560
	Operating Current(Max)			A	-	7.1	7.1	7.1	7.1	10.0	14
	Input	Rated	kW	0.026	0.026	0.026	0.026	0.030	0.030	0.033	0.043
		Operating Current(Max)	A	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
	Dimensions			H*W*D	mm	299*885*195	299*885*195	299*885*195	299*885*195	299*885*195	299*885*195
	Weight			kg	11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Air Volume (SLo-Lo-Mid-Hi-Shi (Dry/Wet))	Cooling	m3/min	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	5.8 - 6.6 - 7.7 - 8.9 - 11.2	5.8 - 6.8 - 7.9 - 9.2 - 11.3
		Heating	m3/min	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 12.7	4.0 - 4.6 - 6.2 - 8.9 - 12.7	5.5 - 6.3 - 7.8 - 9.9 - 13.2	6.4 - 7.2 - 9.0 - 11.1 - 14.6
	Sound Level (SPL) (SLo-Lo-Mid-Hi-Shi)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	21 - 24 - 30 - 36 - 42	21 - 24 - 30 - 36 - 42	28 - 31 - 35 - 39 - 43	30 - 33 - 36 - 40 - 43
		Heating	dB(A)	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 30 - 38 - 46	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
	Sound Level (PWL)	Cooling	dB(A)	60	60	60	60	60	60	60	60
Outdoor Unit	Dimensions			H*W*D	mm	-	-	550*800*285	550*800*285	550*800*285	714*800*285
	Weight			kg	-	-	31	31	34	35	40
	Air Volume	Cooling	m3/min	-	-	27.8	27.8	34.3	34.3	32.0	40.2
		Heating	m3/min	-	-	29.8	29.8	32.7	32.7	32.7	40.2
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47	49	49	50	52
		Heating	dB(A)	-	-	48	48	50	50	51	52
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	62	62	62	65
	Operating Current(Max)			A	-	-	6.8	6.8	6.8	9.6	13.6
	Breaker Size			A	-	-	10	10	10	12	16
Ext.Piping	Diameter	Liquid/Gas	mm	-	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	-	-	20	20	20	20	20	30
	Max.Height	Out-In	m	-	-	12	12	12	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.



禪
KIRIGAMINE ZEN

MSZ-EF SERIES



reddot award 2015
winner



GOOD
DESIGN

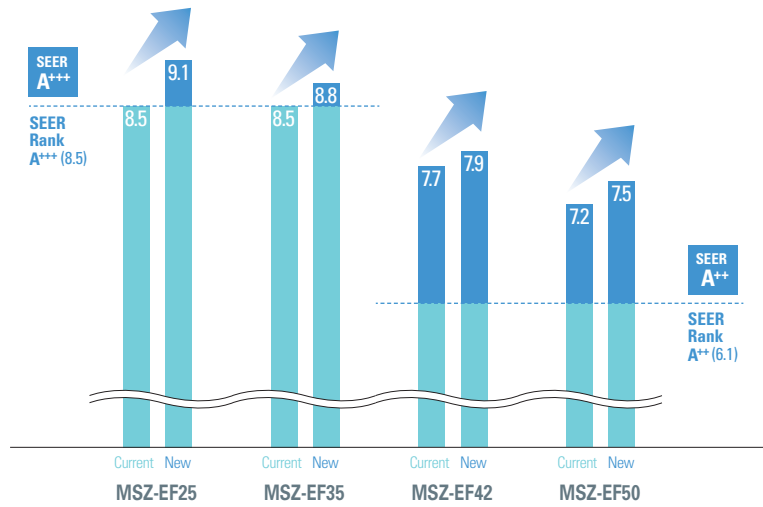
Stylish Line-up Matches Any Room Décor

Indoor unit which has 3 colors line-up white, silver and black matches any rooms décor, a living room, bed room, home office and kitchen, and it makes atmosphere stylish.



Improvement:
High Energy Saving

From the current models of EF series, energy efficiency SEER and SCOP for all capacities is improved thanks to new refrigerant R32 and new outdoor units. SEER of new MSZ-EF25VG is 9.1 which is higher than current one by 7%.



Low CO₂ equivalent with R32 Refrigerant

Small volume of refrigerant for EF series and a property of R32 that is low global warming potential compared with our current refrigerant R410A contribute to prevent global warming.

Refrigerant weight and CO₂ equivalent

Model	Pre-charged quantity	
	Refrigerant weight [kg]	CO ₂ equivalent [t]
EF25VG(H)	0.62	0.42
EF35VG(H)	0.74	0.50
EF42VG	0.74	0.50
EF50VG	1.05	0.71

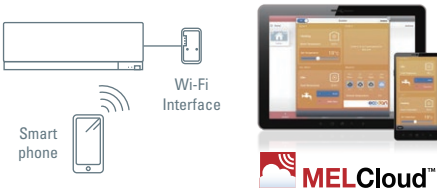
Wi-Fi and System Control

Wi-Fi Interface (Optional)

Optional interface and a Cloud-based solution "MELCloud" enable users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

System Control Interface (Optional)

- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote control such as the PAR-33MAA is possible.
- Centralised control is possible when connected to M-NET.



Remote Controller

Remote Controllers come in two colors. Black remote controller is packaged with the black and silver indoor unit. White color controller is packaged within the white indoor unit. Remote controller has backlight on the display. Holder to set the remote controller on wall is prepared as an optional part.



Other Functions

