

MDV



Inverter Mini Split Systems

Up to **21**
SEER

Intelligent Comfort

- Smart Inverter
- Comfort Care
- Super Quiet
- Multi Controllers
- Interactive Display

Energy Saving

- Inverter Saving
- ECO Mode
- 1W Standby

Service Friendly

- I-Remote
- Emergency Using Function
- Refrigerant Leakage Detect

SMART AND AFFORDABLE RELIABLE COMFORT.

Models

MSABB-12CRFN1-BTOW | MSABB-12CRFN1-MTOW | MSABD-18CRFN1-MQOW | MSABE-24CRDN1-MSOW
MS11M-36HRFN1-MN10W

Requires professional installation.
R410 Refrigerant-220v & 110v applications

Consult your Air Conditioning professional for more details.
See reverse for product information.

7Year
Compressor
5Year
Parts
WARRANTY



OLDACH
REFRIGERATION, AIR CONDITIONING & VENTILATION SUPPLIER

Model			MSABB-12CRFN1-BTOW	MSABB-12CRFN1-MTOW	MSABD-18CRFN1-MQOW	MSABE-24CRDN1-MSOW	MS11M-36HRFN1-MN10W-SEER18
Indoor			MSABB-12CRFN1-BTOW	MSABB-12CRFN1-MTOW	MSABD-18CRFN1-MQOW	MOCA30-24CFN1-MROW	MS11M-36HRFN1-MN10W-SEER18
Outdoor			MOX130-12CFN1-BTOW	MOX130-12CFN1-MTOW	MOBA30-18CFN1-MQOW	MOCA30-23CFN1-MP0W	MOD30-36HRFN1-MP0W
Power supply		Ph-V-Hz	115V,1Ph,60Hz	220-230V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V, 60Hz ,1Ph	208/230V, 1Ph,60Hz
Cooling	Capacity	Btu/h	11500	11500	17000	22000	36000(/-)
	Input	W	940	940	1533	2014	4235
	Rated current	A	8.20	4.30	6.7	8.66	18.4
	SEER	W/W	21	21	20	19.0	18.0
Max. current		A	20	7	11	25	35
Compressor	Model		KSK103D33UEZ3(YJ)	KSK103D33UEZ3(YJ)	ASN140D21UFZ	ATF235D22UMT	ATF250D22UMT
	Type		Rotary	Rotary	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Input	W	834	834	1085	1970	2080
	Rated current(RLA)	A	5.7	5.7	7.58	6.95	
Refrigerant oil/oil charge		ml	ESTER OIL VG74 280 ±15 ml		VG74 440	POE(VG74)/670	VG74/670
Indoor fan motor	Model		ZKFP-20-8-113 140	ZKFP-20-8-6-7	ZKFP-30-8-3	YKFG-45-4-13	ZKFP-60-8-1
	Input	W	35	46	36.0	x1	72.0
	Speed(Hi/Mi/Lo)	r/min	1100/950/700	1150/900/700	1100/800/700	1100/900/700	1200/1100/900
Indoor air flow (Hi/Mi/Lo)		m3/h	476/428/291	410/330/350	900/750/600	1000/781/569	1150/1000/800
Indoor noise level (Hi/Mi/Lo)		dB(A)	39.6/-/-26.1	37.5/34.5/24.5	42/34.5/30.5	47.9/-/35.4	48.5/44/38
Indoor unit	Dimension(W*D*H)	mm	802x189x297	802x189x297	965x215x319	1080x226x335	1186x258x343
	Packing (W*D*H)	mm	875x285x380	875x285x380	1045x305x405	1155x415x315	1265x420x345
	Net/Gross weight	Kg			11.4/14	13.8/17.4	17.1/22.1
Outdoor fan motor	Speed	r/min	850	850	850/700	/	900/750
Outdoor noise level		dB(A)			53.5	58.8	59
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720*495*270	770x300x555	845x363x702	946x410x810
	Packing (W*D*H)	mm	835x300x540	835*300*540	900x348x615	965x395x765	1090x500x885
	Net/Gross weight	Kg			29.9/32.8	40.2/43.4	65.2/71.5
Refrigerant type		Kg	R410A/0.65kg	R410A/0.65kg	R410A/0.9	R410A/1202	R410A/119.9
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	Φ9.52/Φ15.9(3/8"/5/8")	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	25	30	30	65
	Max. difference in level	m	10	10	20	20	30
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	℃	17~32	17~32	17~32/	17~32/----	17~32/0~30
	Outdoor(cooling/heating)	℃	0~50	0~50	0~50/	-15-50/----	-25~50/-25~30
Application area (Cooling Standard)		m2	16~23	16~23	23-33	29-43	48~70
Qty/per 20' /40' /40'HQ			105/220/242	108/225/234	87/170/203	66/138/152	36/78/99

Standard Features & Benefits



Antibacterial air filter



Hi-Density dust filter



Optional Wi-Fi connectivity via USB Smart Kit



Less than 1 watt of power consumption in 'Stand-By' mode



Hide-Away LED digital display / Full LCD display



Low noise operation



Air dispersion blade with last position memory

