

manuflow hvac

COMPACT AIR by manuflow inc.

- 9 000 Btu to 22 000 Btu
- DC Inverter SEER 15
- Compact size
- LCD display
- Minimum winter temperature -15° C.
- **Refrigerant leakage detector**

air conditioners

MODELS

MS11D-09CRDN1-BN10W

MS11D-12CRDN1-BN10W

MS11D-18CRDN1-MN10W

MS11D-22CRDN1-MN10W

heat pumps

MODELS

MS11D-09HRDN1-BN10W

MS11D-12HRDN1-BN10W

MS11D-18HRDN1-MN10W

MS11D-22HRDN1-MN10W



compressor
5 years
WARRANTY

Compressor
GMCC (TOSHIBA)



manuflow hvac

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Types	AIR CONDITIONER	HEAT PUMP	AIR CONDITIONER	HEAT PUMP	AIR CONDITIONER	HEAT PUMP	AIR CONDITIONER	HEAT PUMP	AIR CONDITIONER	HEAT PUMP
Models	MS11D-09CRDN1-BN10W	MS11D-09HRDN1-BN10W	MS11D-12CRDN1-BN10W	MS11D-12HRDN1-BN10W	MS11D-16CRDN1-BN10W	MS11D-16HRDN1-BN10W	MS11D-22CRDN1-BN10W	MS11D-22HRDN1-BN10W	MS11D-28CRDN1-BN10W	MS11D-28HRDN1-BN10W
Power supply	Ph-V-Hz	115V~ 60Hz, 1Ph	115V~ 60Hz, 1Ph	115V~ 60Hz, 1Ph	115V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph
Cooling	Capacity	9 000	12 000	12 000	18 000	18 000	22 000	22 000	22 000	22 000
	Input	950	1 320	1 320	1 920	1 920	2 220	2 220	2 220	2 220
	SEER	15	15	15	15	15	15	15	15	15
Heating	Capacity	—	—	—	—	18 500	—	—	—	22 000
	Input	—	—	—	—	850	—	—	—	2 150
	HSPF	—	—	—	—	8.2	—	—	—	8.2
Indoor air flow	(Hi/Med/Lo)	500/410/360	600/530/400	600/530/400	600/530/400	600/530/400	750/660/480	750/660/480	1250/1150/950	1250/1150/950
Indoor noise level	(Hi/Med/Lo)	38/31/29	39/35/31	39/35/31	39/35/31	39/35/31	42/39/31	42/39/31	47/45/39	47/45/39
Indoor unit	Dimension (WxDxH)	680x178x255	770x188x255	770x188x255	770x188x255	770x188x255	905x198 x275	905x198 x275	1030x218x315	1030x218x315
	Dimension (WxDxH)	26.77x7.01x10.04	30.31x7.40x10.04	30.31x7.40x10.04	30.31x7.40x10.04	30.31x7.40x10.04	35.63x7.80x10.83	35.63x7.80x10.83	40.55x8.58x12.40	40.55x8.58x12.40
	Packing (WxDxH)	745x255x330	835x265x330	835x265x330	835x265x330	835x265x330	970x270x345	970x270x345	1115x395x300	1115x395x300
	Packing (WxDxH)	29.33x10.04x12.99	32.87x10.43x12.99	32.87x10.43x12.99	32.87x10.43x12.99	32.87x10.43x12.99	38.19x10.63x13.58	38.19x10.63x13.58	43.90x15.55x11.81	43.90x15.55x11.81
	Net/Gross weight	7/8	7.5/9.5	7.5/9.5	7.5/9.5	7.5/9.5	9/11.5	9/11.5	12/15	12/15
Outdoor air flow	m3/h	1 650	1 900	1 900	1 900	1 900	2 300	2 300	2 700	2 700
Outdoor noise level	dB(A)	56	57	57	57	57	59	59	59	59
Outdoor unit	Dimension (WxDxH)	660x265x540	660x265x540	660x265x540	660x265x540	660x265x540	760x285x590	760x285x590	845x320x700	845x320x700
	Dimension (WxDxH)	26x10.4x21.3	26x10.4x21.3	26x10.4x21.3	26x10.4x21.3	26x10.4x21.3	29.92x11.22x23.23	29.92x11.22x23.23	33.27x12.60x27.56	33.27x12.60x27.56
	Packing (WxDxH)	790x355x620	790x355x620	790x355x620	790x355x620	790x355x620	887x355x645	887x355x645	965x395x755	965x395x755
	Packing (WxDxH)	31.1x14x24.4	31.1x14x24.4	31.1x14x24.4	31.1x14x24.4	31.1x14x24.4	34.92x13.98x25.39	34.92x13.98x25.39	37.99x15.55x29.72	37.99x15.55x29.72
	Net/Gross weight	27/28.5	30/32	30/32	30/32	30/32	37.5/40	37.5/40	44.5 / 48	44.5 / 48
Refrigerant type		R410A/23.99	R410A/32.1	R410A/32.1	R410A/32.1	R410A/32.1	R410A/42.3	R410A/42.3	R410A/41.6	R410A/41.6
Design pressure	MPa	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Refrigerant piping	Liquid-Gas	1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"
	Max. refrigerant pipe length	20/65'	20/65'	20/65'	20/65'	20/65'	25/82'	25/82'	25/82'	25/82'
	Max. difference in level	8/26'	8/26'	8/26'	8/26'	8/26'	10/32'	10/32'	10/32'	10/32'
Thermostat type		Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Minimum winter temperature	C	-15°	-15°	-15°	-15°	-15°	-15°	-15°	-15°	-15°
Refrigerant leakage detector		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes