



NORTH AMERICAN HVAC PRODUCTS LTD

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Submittal Data Model No. MSAFB-12HRDN1-BN10W / MOBA30-12HDN1-BQ0W SINGLE ZONE MINI-SPLIT DUCTLESS SEER 16 12,000BTU/H HEAT PUMP

Job Name: _____ **Location:** _____ **Date:** _____
Purchaser: _____ **Engineer:** _____
Submitted To: _____ **For:** _____ **Review()** _____ **Approval ()** _____



COMPATIBILITY:

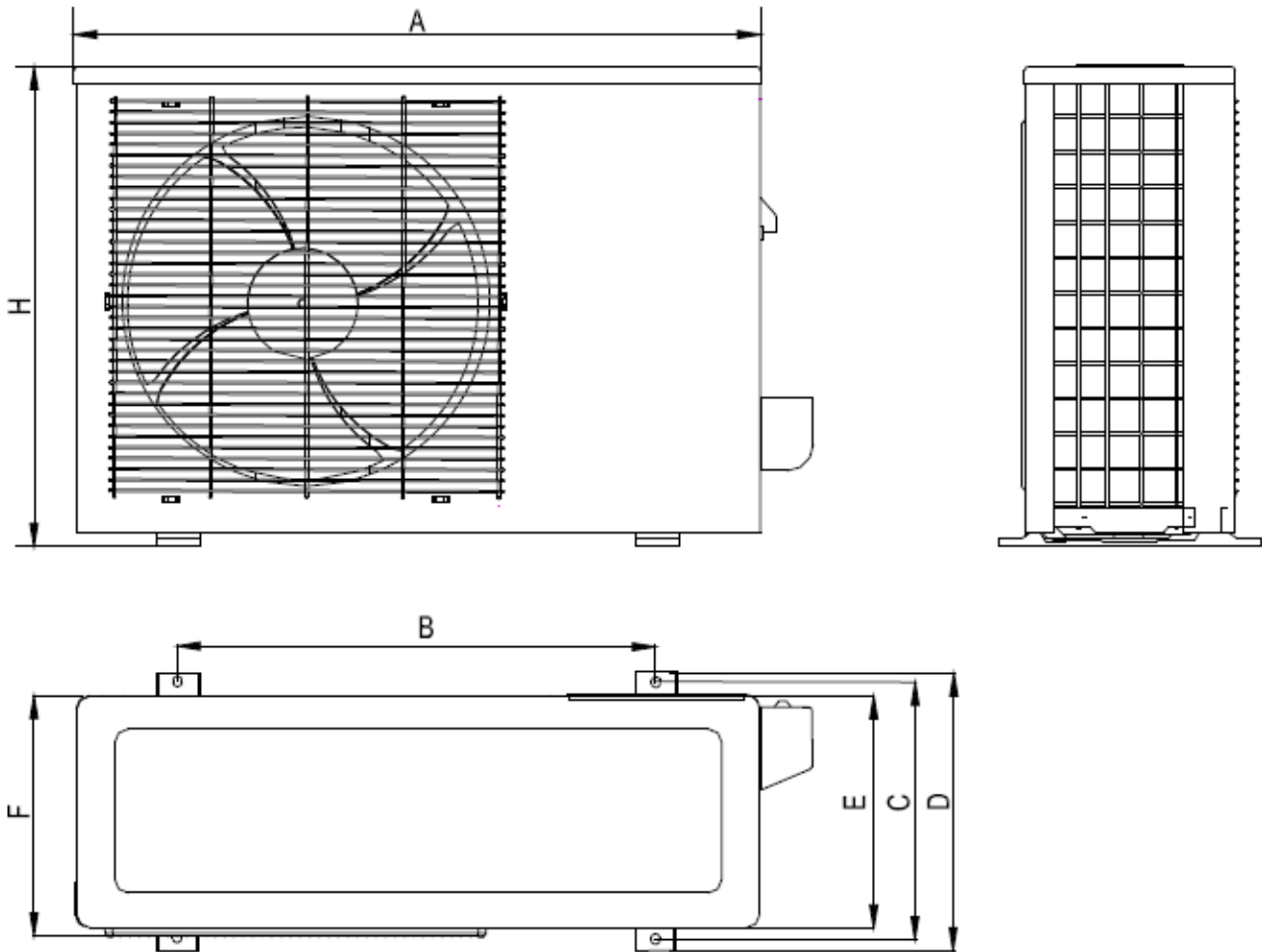
SINGLE ZONE INDOOR SYSTEM:
MODEL NO. **MSABB-12HRFN1-MT0W**

SINGLE ZONE OUTDOOR SYSTEM:
MODEL NO. **MOBA30-12HDN1-BQ0W**

SPECIFICATIONS:

Accessories	Line sets – insulated and flared.	TCP12/18L15 TCP 12/18L25 TCP12/18L50
Outdoor	Wall bracket	PJ412E
Outdoor	Riser support	SD01B
Safety Certifications		ETL
Warranty		2 YEARS PARTS, 6 YEARS COMPRESSOR

Indoor / Outdoor		MSAFB-12HRDN1-BN10W / MOBA30-12HDN1-BQ0W	
Power supply		Ph-V-Hz	115V~ 60Hz ,1Ph
Cooling	Capacity	Btu/h	12000
	Input	W	1200
	Rated current	A	5.4
	EER / SEER	Btu/w	10 / 16
Heating	Capacity	Btu/h	12000
	Input	W	1260
	Rated current	A	5.65
	COP	W/W	2.79
	HSPF4 / HSPF5	Btu/w	9.0 / 7.8
MAX.FUSE		A	20
Compressor	Model	ASN98D22UFZ	
	Type / Brand	ROTARY / GMCC	
Indoor air flow (Hi/Mi/Lo)		m3/h	540/410/300
Indoor air flow (Hi/Mi/Lo)		CFM	318/241/176
Indoor noise level (Hi/Mi/Lo)		dB(A)	41/36/28
Indoor unit	Dimension(W*D*H)	inch	31.69x7.68x11.22
	Packing (W*D*H)	inch	34.25x10.63x14.17
	Net/Gross weight	Kg	7.8/10.0
	Net/Gross weight	lbs.	17.2/22.0
Outdoor air flow		m3/h	1900
Outdoor air flow		CFM	1120
Outdoor noise level		dB(A)	54
Outdoor unit	Dimension(W*D*H)	inch	30.31x11.81x21.85
	Packing (W*D*H)	inch	35.43x13.58x23.03
	Net/Gross weight	lbs.	65.0/70.1
Refrigerant type		g	R410A/960g
Refrigerant type		oz	R410A/33.9
Refrigerant precharge		ft	25
Additional charge for each ft		oz	0.161
Design pressure		PSIG	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")
	Max. refrigerant pipe length	ft	82
	Max. difference in level	ft	33
Connection wiring		16AWG*4 Stranded, unshielded	
Operation temperature	Indoor(cooling/ heating)	℃	17~32/0~30
	Outdoor(cooling/heating)	℃	-15~50/-15~30
Application area (cooling standard)		sq.ft	172-252



GENERAL FEATURES

- * Ultra-Quiet Operation
- * Random swing, airflow direction control
- * Self-Diagnostics, LCD display
- * Auto restart operation
- * Remote control include
- * Dehumidifier mode
- * Refrigerant leakage detect
- * Local service parts stock in BC, Canada
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For continual product development, North American HVAC Products Ltd reserves the right to change specifications without notice.