



# NORTH AMERICAN HVAC PRODUCTS LTD

Tel: 604-4308496 Fax: 1-866-9034371 www.northamericanhvac.com

## Submittal Data Model No. MSAFD-23HRDN1-MN10W & MOCA30-23HDN1-MQ0W SINGLE ZONE MINI-SPLIT DUCTLESS SEER 15 24,000BTU/H HEAT PUMP

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



### COMPATIBILITY:

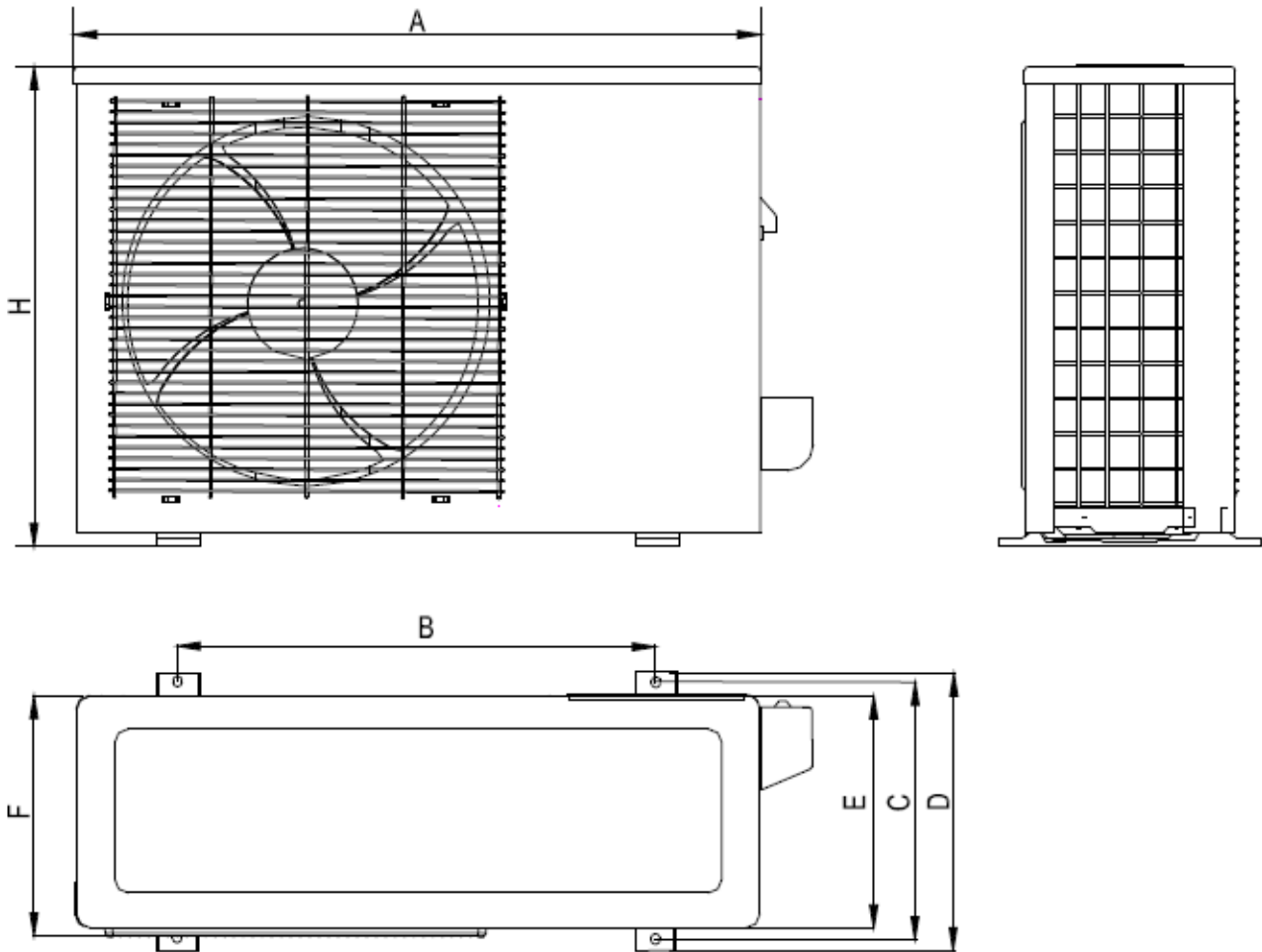
SINGLE ZONE INDOOR SYSTEM:  
MODEL NO. **MSAFD-23HRDN1-MN10W**

SINGLE ZONE OUTDOOR SYSTEM:  
MODEL NO. **MOCA30-23HDN1-MQ0W**

### SPECIFICATIONS:

Accessories	Line sets – insulated and flared.	TCP24L25 TCP24L50
Outdoor	Wall bracket	PJ412E
Outdoor	Riser support	SD01B
Safety Certifications		ETL
Warranty		2 YEARS PARTS, 6 YEARS COMPRESSOR

Indoor / Outdoor		MSAFD-23HRDN1-MN10W / MOCA30-23HDN1-MQ0W	
Power supply		Ph-V-Hz	208-230V~60Hz , 1Ph
Cooling	Capacity	Btu/h	24000
	Input	W	2665
	Rated current	A	11.8
	EER / SEER	Btu/w	9 / 15
Heating	Capacity	Btu/h	24000
	Input	W	2550
	Rated current	A	11.3
	COP	W/W	2.76
	HSPF4 / HSPF5	Btu/w	8.8 / 7.4
MAX.FUSE		A	25
Compressor	Model		ATF235D22UMT
	Type		ROTARY
Indoor air flow (Hi/Mi/Lo)		m3/h	960/760/580
Indoor air flow (Hi/Mi/Lo)		CFM	565/447/341
Indoor noise level (Hi/Mi/Lo)		dB(A)	45/38/32
Indoor unit	Dimension(W*D*H)	inch	40.87x8.66x12.8
	Packing (W*D*H)	inch	44.09x15.94x12.2
	Net/Gross weight	lbs.	29.3/36.6
Outdoor air flow		m3/h	2700
Outdoor air flow		CFM	1590
Outdoor noise level		dB(A)	58.5
Outdoor unit	Dimension(W*D*H)	inch	33.27x14.29x27.64
	Packing (W*D*H)	inch	38.00x15.55x29.72
	Net/Gross weight	lbs.	105.2/112.4
Refrigerant type		g	R410A/1800g
Refrigerant type		oz	R410A/63.5
Refrigerant precharge		ft	25
Additional charge for each ft		oz	0.322
Design pressure		PSIG	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	ft	98
	Max. difference in level	Ft	66
Connection wiring			16AWG*4 Stranded
Operation temperature	Indoor(cooling/ heating)	°C	17~32/0~30
	Outdoor(cooling/heating)	°C	-15~50/-15~30
Application area (cooling standard)		sq.ft	330-484



## 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



For continual product development, North American HVAC Products Ltd reserves the right to change specifications without notice.