

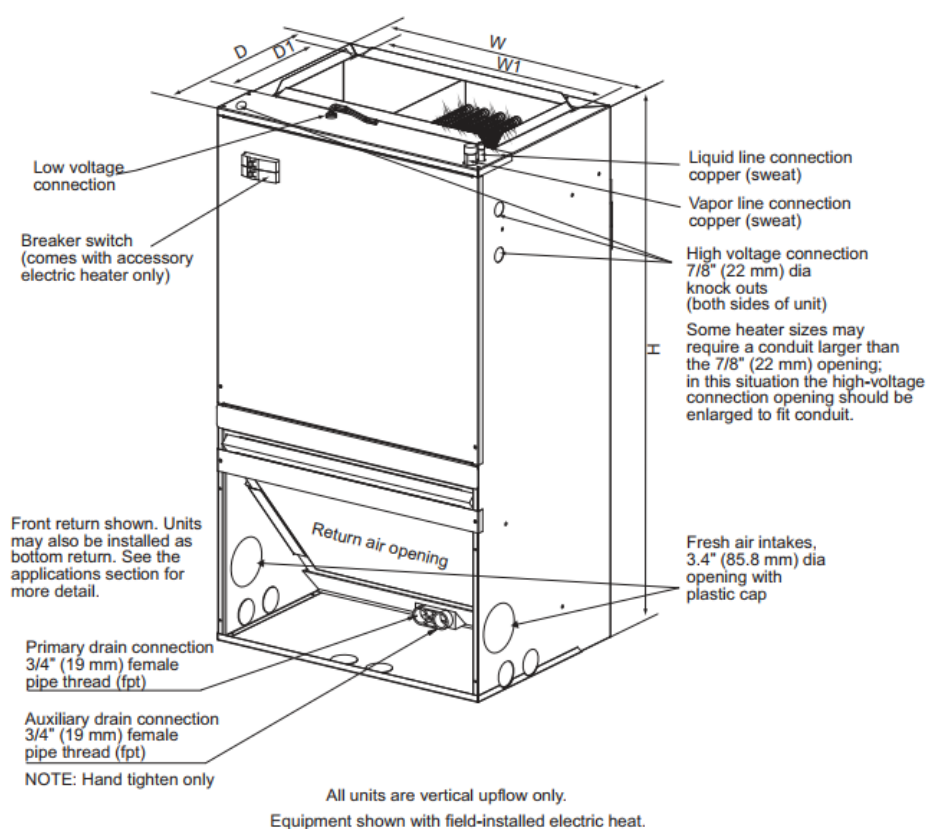
Submittal

TAG:

Wall-Mounted

TWM5E31B000A

Cooling capacity:30 kBTU/h



Model Size	Dimensions- (in.) [mm]					Unit Weight (Lbs.) [kg]
	Height H	Width W	Width W1	Depth D	Depth D1	
ECM 30K	39-1/2 [1004]	22 [559]	18-4/5 [478]	19 [483]	9-1/2 [242]	99 [45]

Specifications

	TWM5E31B000A
NOMINAL RATING	
Cooling (BTU/h)	30,000
External Static Pressure (in.w.c)	0.6
ELECTRICAL DATA	
Voltage / Phase (60Hz)	208/230V /1ph
Min. / Max. Voltage (V)	208/230V
Min. Circuit Amps (MCA) (A)	3.4
Max. Overcurrent Protection (MOP) (A)	15
FAN MOTOR	
Motor Type	ECM
Capacitor (uF)	/
Horsepower (HP)	1/2
Rated RPM	1100
Full Load Amps (FLA) (A)	2.7
Refrigerant Detector	
Number of Detector	1
Type	TC/NDIR
Detection Threshold Limit Value (DTLV)	0.1
Measurement Range	0 ~ 100%
Operating temp (°F)	-22 ~ 158
FAN BLOWER	
Material	Metal
Type	Centrifugal
Diameter (in.)	10
Height (in.)	9
EVAPORATOR COIL	
Type	Tube & Fin
Tube Material	Aluminum
Tube Size (mm)	7
Sound Pressure Level dBA	53
REFRIGERANT CONNECTION SIZE	
Liquid Line Size (O.D.) (in.)	3/8
Suction Line Size (O.D.) (in.)	3/4

Airflow Data

ECM Model	BLOW ER SPEEDS	EXTERNAL STATIC PRESSURE (in.w.c.)								
		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
30 (2-1/2)	Tap (1)	1063	1012	936	898	853	823	780	740	701
	Tap (2)	1133	1080	1026	991	958	904	858	813	769
	Tap (3) -Factory	1220	1194	1111	1100	1060	1007	952	910	855
	Tap (4)	1234	1200	1146	1229	1088	1046	1004	951	917
	Tap (5)	1341	1310	1247	1225	1192	1151	1101	1077	1033

--- NOTES: Shaded boxes represent airflow outside the required 300-450 CFM/ton.

1. Airflow based on dry coil at 230V with no electric heat and factory-approved filter. FMA5X airflow at 208V is approximately the same as 230V because the multi-tap ECM motor is a constant torque with no drop off regardless of motor operating speed.
2. Airflow is equivalent for front or bottom return configurations.

Features

- Direct-drive, multi-speed motors allow air volume variation for heating / cooling.
 - Multi-speed ECM motor: M152 series
 - Multi-speed PSC motor: M134 series
- Thermoplastic drain pan with bottom primary and secondary drain connections.
- Built-in filter rack.
- Wall-hanging bracket included.
- Front or bottom return available.
- Optional heating elements in 5kW, 7.5kW, and 10kW.
- All-aluminum coil.
- AHRI listed and ETL listed.
- R454B refrigerant sensor is configured to ensure safe operation.
- R454B refrigerant sensor is factory-installed, more rooms are available for installation.

Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document. AireForce has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.

