

# AIR MOVING MOTOR: 7.2 in. / 182.9 mm. 120 V 3-Stage

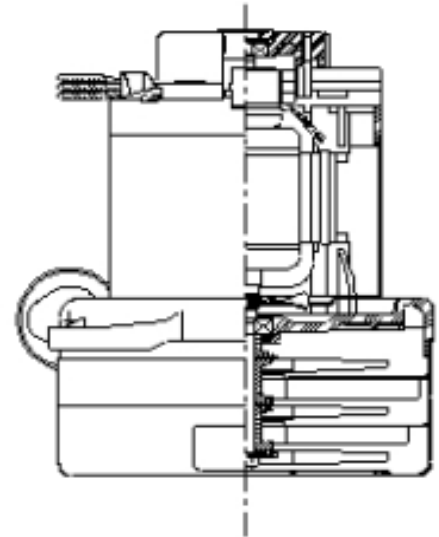
MODEL:117507-00

## SPECIFICATIONS

<b>Motor Type:</b>	Series Universal
<b>Input Voltage:</b>	120 VAC, 50/60 Hz
<b>Frequency:</b>	50/60 Hz
<b>Fan Diameter:</b>	7.2 in./182.9 mm
<b>No. Fan Stages:</b>	3
<b>Fan System Style:</b>	Bypass
<b>Air Discharge:</b>	Tangential
<b>Operating Temp:</b>	32-104°F/0-40°C
<b>Bearing System:</b>	Ball/Ball
<b>Frame:</b>	Skeleton
<b>Brush Type:</b>	Carbon
<b>Inlet Tube Dia.:</b>	None
<b>RFI Choke:</b>	None
<b>Speed:</b>	1

## ADDITIONAL FEATURES

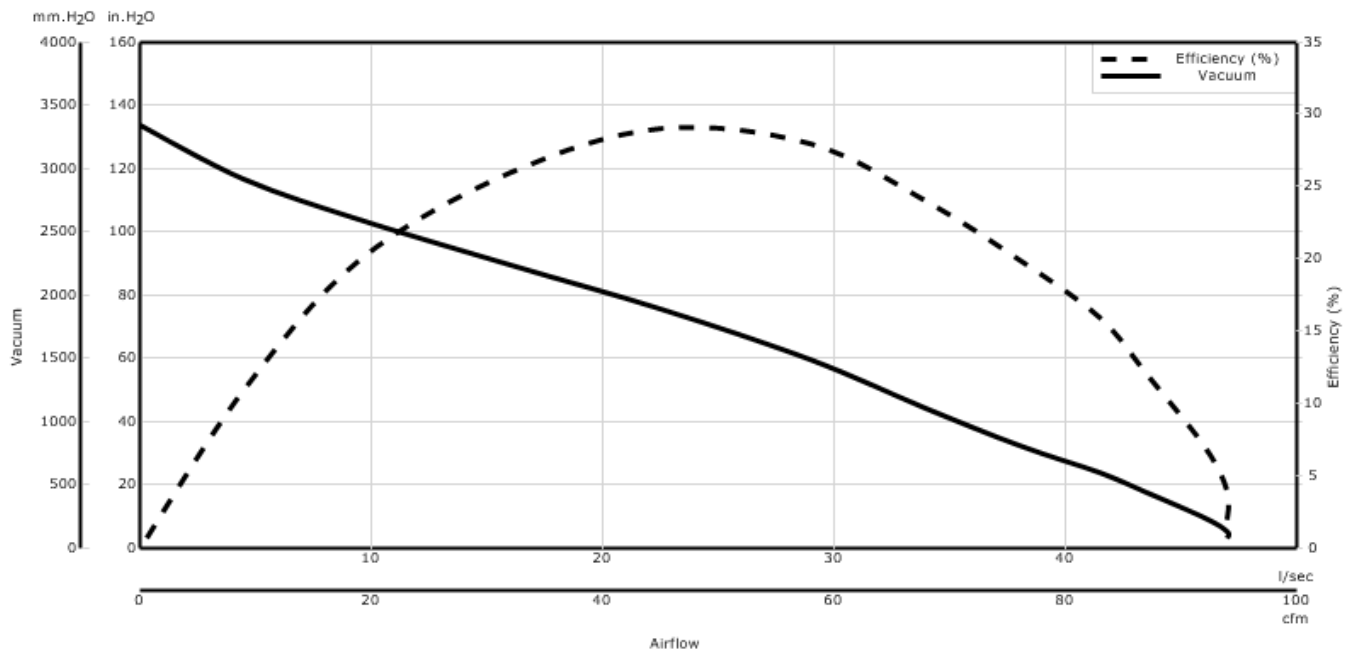
<b>Regulatory:</b>	UL Recognized, CSA certif
<b>Comm Bracket:</b>	Plastic
<b>Fan Bracket:</b>	Plastic
<b>Therm Protect:</b>	None
<b>Insulation Class:</b>	Class A
<b>Added Bearing Prot.:</b>	
<b>Fan Shell Coat:</b>	None
<b>Electrical Conn.:</b>	Lead Wires
<b>Duty Cycle:</b>	Intermittent
<b>Special Feature:</b>	



## Design Application

Equipment operating in environments requiring separation of working air from motor ventilating air. Designed to handle clean, dry, filtered air only

## PERFORMANCE



\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary, due to normal manufacturing variations."

Data shown is measured at regulated nominal voltage and normalized to standard atmospheric pressure and temperature.

## ENGLISH

Orifice (inches)	Amps	Watts (In)	RPM	Vac (In. H2O)	Flow (CFM)	Air Watts
2.000	12.70	1455	17050	3.1	94.0	35
1.750	12.70	1460	17000	5.3	94.0	59
1.500	12.60	1451	17000	9.4	92.0	101
1.250	12.70	1453	16900	17.4	87.0	178
1.125	12.70	1464	17000	24.0	83.0	233
1.000	12.70	1456	17000	32.7	76.0	294
0.875	12.70	1455	17050	44.5	68.0	356
0.750	12.50	1438	17200	59.6	58.0	406
0.625	11.90	1383	17625	75.7	45.0	403
0.500	11.20	1300	18300	89.8	32.0	333
0.375	10.20	1195	19225	104.2	19.0	234
0.250	9.20	1091	20400	116.9	9.0	124
0.000	8.60	949	21425	134.1	0.0	0

## METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	12.70	1457	17028	103.0	44.4	46
40.000	12.60	1454	17000	208.0	43.7	88
30.000	12.70	1459	16955	534.0	40.0	208
23.000	12.70	1455	17038	1,055.0	33.0	341
19.000	12.50	1437	17209	1,522.0	27.3	406
16.000	11.90	1385	17608	1,906.0	21.5	403
13.000	11.30	1308	18233	2,245.0	15.7	340
10.000	10.40	1211	19086	2,592.0	9.9	249
6.500	9.30	1096	20341	2,953.0	4.5	130
0.000	8.60	949	21425	3,406.0	0.0	0

\* Metric data is calculated based on ASTM standards  
 Box tests are performed to ASTM F558

WARNING: When using AMETEK vacuum motors in machines that come in contact with foam, liquid (including water), or other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing, and electrical components. Ametek motors other than hazardous duty models should not be applied in machines that come in contact with dry chemicals or other volatile materials. Failure to observe these precautions could cause flashing (depending on volatility) or electrical shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating Ametek motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.