

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

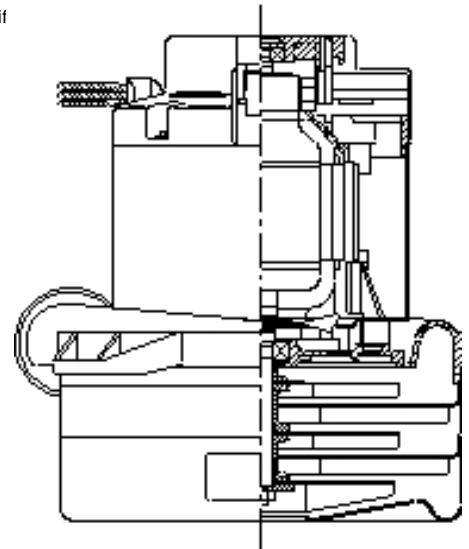
MODEL:117500-12

## 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

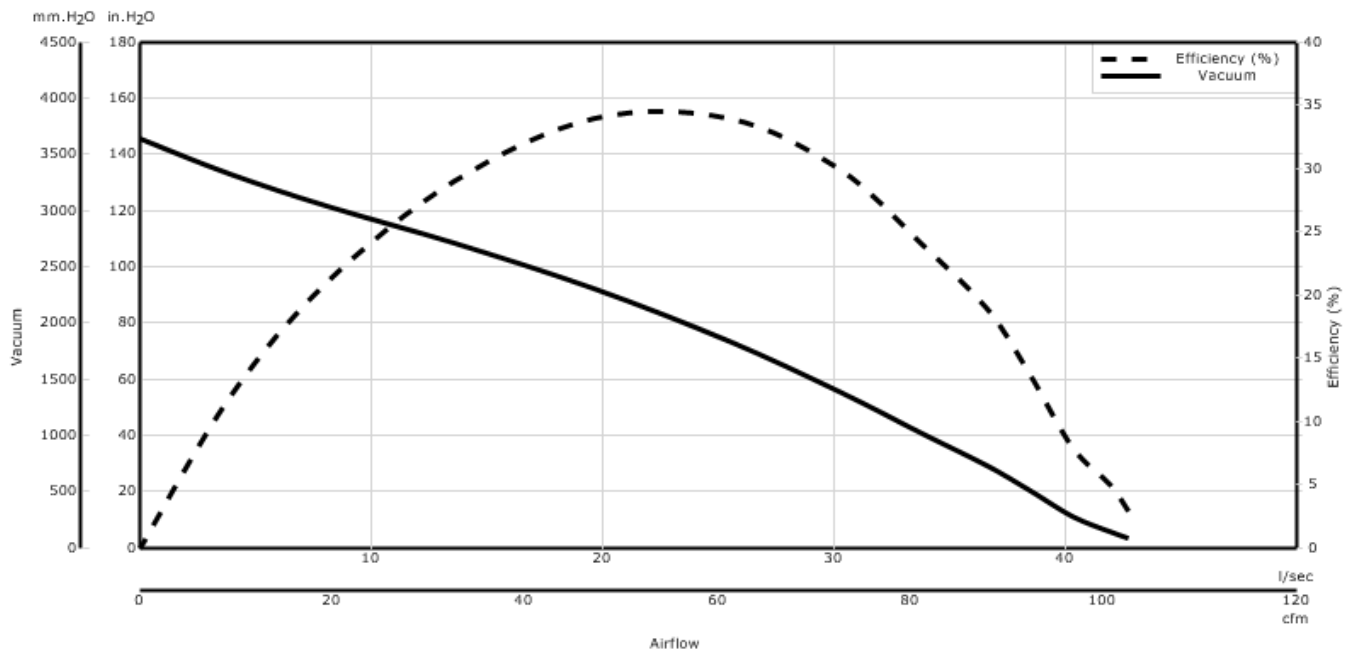
<b>Regulatory:</b>	UL Recognized, CSA certif
<b>Comm Bracket:</b>	Aluminum
<b>Fan Bracket:</b>	Aluminum
<b>Therm Protect:</b>	None
<b>Insulation Class:</b>	Class A
<b>Added Bearing Prot.:</b>	
<b>Fan Shell Coat:</b>	None
<b>Electrical Conn.:</b>	Lead Wires
<b>Duty Cycle:</b>	Intermittent
<b>Special Feature:</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	14.30	1584	19935	3.9	102.5	46
1.750	14.20	1583	19915	6.3	100.5	75
1.500	14.20	1582	19870	11.2	96.7	128
1.250	14.40	1595	19830	21.1	92.1	229
1.125	14.40	1605	19800	29.4	87.8	304
1.000	14.40	1600	19770	40.7	81.1	388
0.875	14.40	1602	19825	55.7	72.5	474
0.750	14.20	1576	19930	73.8	61.1	530
0.625	13.70	1528	20310	92.4	47.2	512
0.500	12.80	1427	21110	108.4	32.7	416
0.375	11.60	1303	22135	121.7	19.4	277
0.250	10.50	1188	23225	133.1	9.3	145
0.000	9.70	1099	24265	145.9	0.0	0

## METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	14.30	1584	19926	126.0	48.0	59
40.000	14.20	1582	19884	247.0	46.2	112
30.000	14.40	1601	19814	652.0	42.4	270
23.000	14.40	1602	19811	1,320.0	35.2	453
19.000	14.20	1575	19938	1,884.0	28.7	530
16.000	13.70	1530	20295	2,328.0	22.5	513
13.000	12.90	1437	21030	2,713.0	16.1	426
10.000	11.80	1322	21981	3,041.0	10.1	298
6.500	10.60	1194	23171	3,366.0	4.6	152
0.000	9.70	1099	24265	3,706.0	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.