

AIR MOVING MOTOR: 7.2 in. / 182.9 mm. 120 V 2-Stage

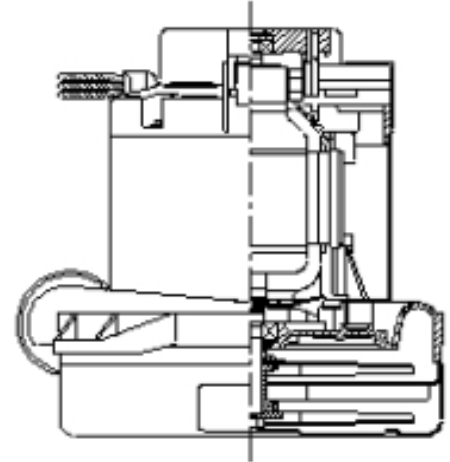
MODEL:117549-12

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	120 VAC, 50/60 Hz
Frequency:	50/60 Hz
Fan Diameter:	7.2 in./182.9 mm
No. Fan Stages:	2
Fan System Style:	Bypass
Air Discharge:	Tangential
Operating Temp:	32-104°F/0-40°C
Bearing System:	Ball/Ball
Frame:	Skeleton
Brush Type:	Carbon
Inlet Tube Dia.:	None
RFI Choke:	None
Speed:	1

ADDITIONAL FEATURES

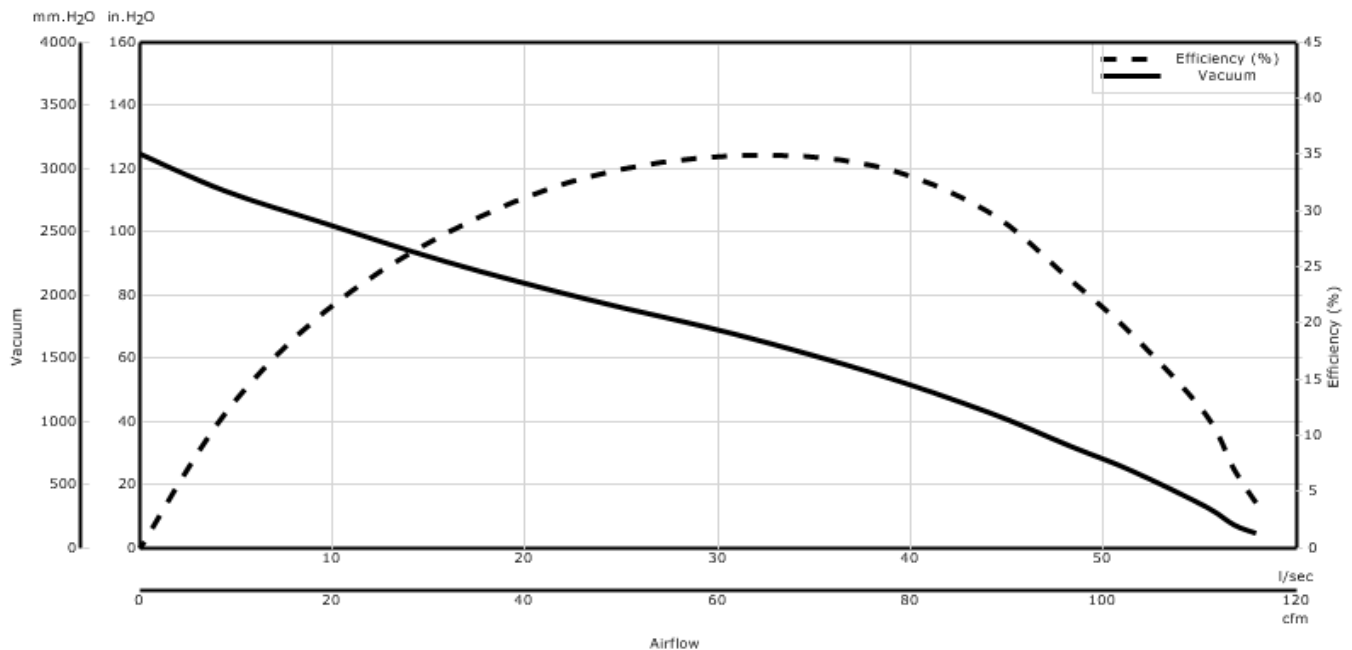
Regulatory:	UL Recognized
Comm Bracket:	Aluminum
Fan Bracket:	Aluminum
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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	13.50	1508	16690	4.7	115.8	64
1.750	13.50	1507	16680	7.7	113.4	103
1.500	13.50	1508	16680	13.5	110.4	175
1.250	13.50	1505	16710	24.3	102.8	293
1.125	13.40	1500	16750	32.5	96.3	367
1.000	13.30	1483	16840	43.3	87.8	446
0.875	13.00	1453	17030	55.4	76.1	495
0.750	12.40	1398	17410	67.6	61.7	490
0.625	11.70	1313	18000	78.8	46.3	428
0.500	10.70	1210	18800	90.5	31.8	338
0.375	9.70	1098	19800	102.8	19.0	229
0.250	8.80	1016	20840	113.0	8.8	118
0.000	8.90	939	21880	124.6	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	13.50	1508	16686	153.0	54.2	81
40.000	13.50	1508	16680	299.0	52.5	153
30.000	13.40	1502	16732	732.0	46.8	334
23.000	13.10	1461	16983	1,330.0	37.3	483
19.000	12.40	1396	17422	1,723.0	29.0	489
16.000	11.70	1316	17976	1,990.0	22.1	430
13.000	10.80	1220	18720	2,269.0	15.7	347
10.000	9.90	1115	19650	2,564.0	9.9	245
6.500	8.80	1020	20788	2,857.0	4.4	124
0.000	8.90	939	21880	3,165.0	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.