AIR MOVING MOTOR: 7.2 in. / 182.9 mm. 240 V 2-Stage

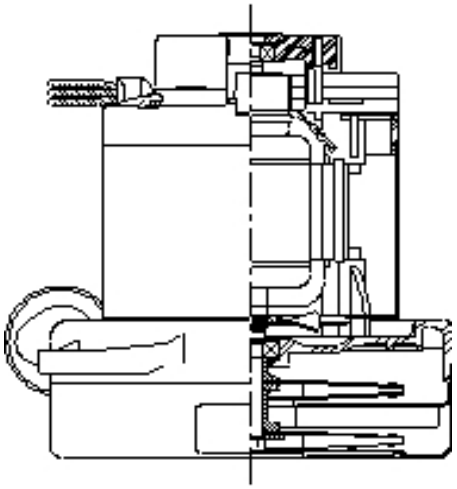
MODEL:117157-00

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	240 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

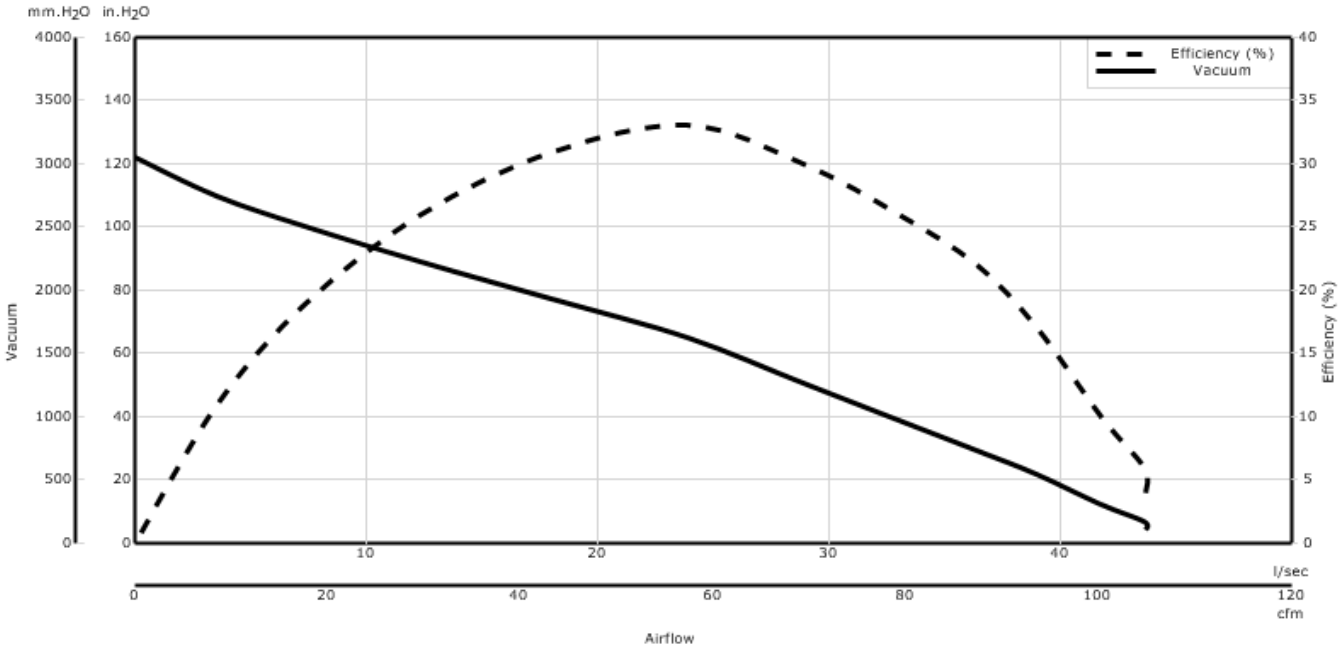
Regulatory:	UL Recognized
Comm Bracket:	Plastic
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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	6.00	1380	19591	4.0	104.9	50
1.750	6.00	1380	19607	6.9	104.6	85
1.500	6.00	1381	19605	12.1	100.2	142
1.250	6.00	1384	19559	21.9	93.6	241
1.125	6.00	1383	19561	29.2	87.4	301
1.000	6.00	1377	19594	38.7	79.2	361
0.875	6.00	1365	19682	50.8	69.3	414
0.750	5.80	1330	19943	64.9	57.3	437
0.625	5.50	1264	20486	77.3	43.3	393
0.500	5.10	1181	21370	89.2	29.7	311
0.375	4.70	1080	22400	100.3	17.7	209
0.250	4.30	999	23503	109.9	8.5	110
0.000	4.00	929	24628	122.0	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	6.00	1380	19598	134.0	49.5	65
40.000	6.00	1381	19606	268.0	47.9	125
30.000	6.00	1383	19560	658.0	42.6	274
23.000	6.00	1368	19660	1,213.0	33.9	401
19.000	5.80	1329	19954	1,655.0	26.9	436
16.000	5.50	1267	20464	1,951.0	20.7	395
13.000	5.10	1189	21282	2,235.0	14.7	319
10.000	4.80	1095	22246	2,505.0	9.2	224
6.500	4.30	1003	23448	2,779.0	4.2	115
0.000	4.00	929	24628	3,099.0	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.

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