AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 240 V 3-Stage

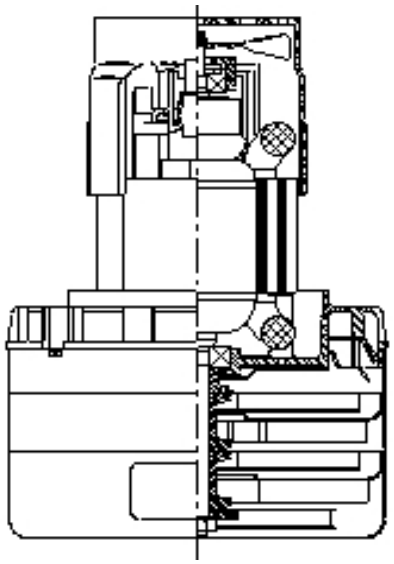
MODEL:117944-00

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	240 VAC, 50/60 Hz
Frequency:	50/60 Hz
Fan Diameter:	5.7 in./144.8 mm
No. Fan Stages:	3
Fan System Style:	Bypass
Air Discharge:	Peripheral (Acustek)
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

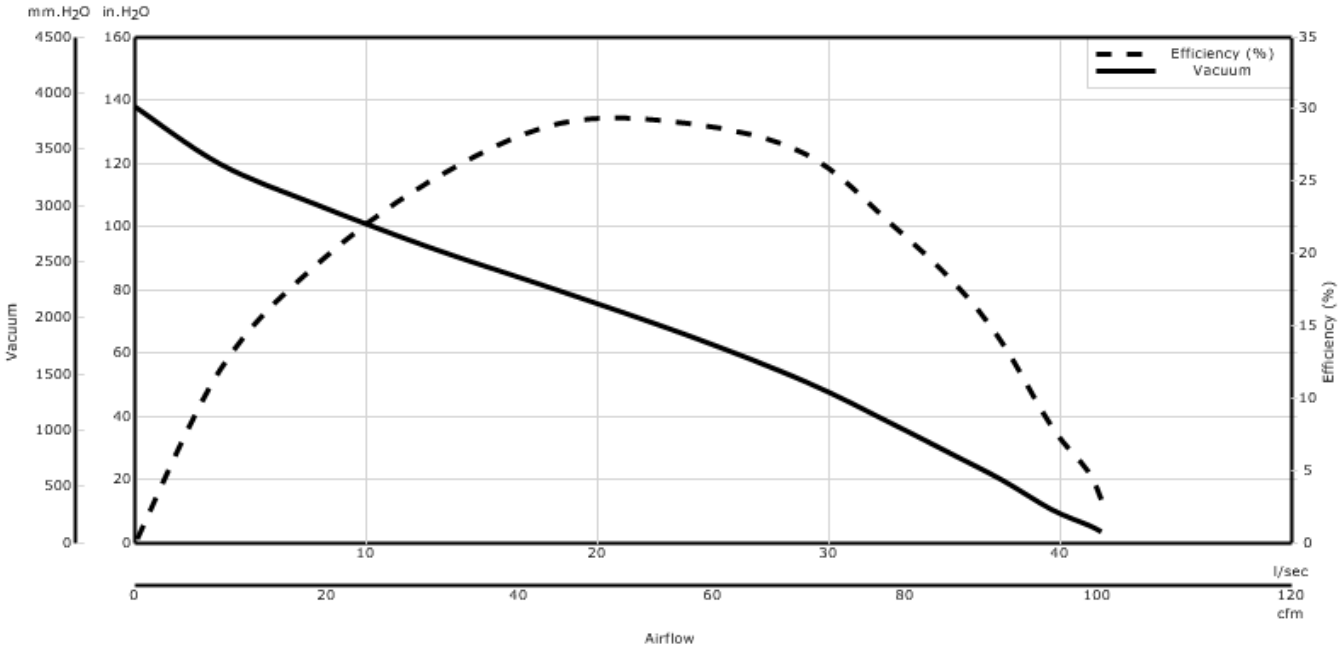
ADDITIONAL FEATURES

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

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	6.70	1521	20260	3.7	100.3	43
1.750	6.70	1527	20210	6.1	98.9	72
1.500	6.80	1536	20140	10.9	95.2	122
1.250	6.80	1551	20040	20.0	89.8	212
1.125	6.90	1564	19970	27.6	85.1	277
1.000	6.90	1571	19880	38.1	78.5	351
0.875	6.90	1568	19910	51.2	69.6	419
0.750	6.70	1527	20200	65.6	57.6	444
0.625	6.30	1436	20820	79.8	44.0	413
0.500	5.80	1322	21680	93.6	30.4	334
0.375	5.20	1188	22880	107.7	18.3	231
0.250	4.60	1064	24160	120.1	8.9	126
0.000	4.10	965	25620	138.1	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	6.70	1524	20238	121.0	47.1	56
40.000	6.80	1533	20161	240.0	45.5	107
30.000	6.90	1558	20002	614.0	41.2	248
23.000	6.90	1569	19903	1,217.0	33.9	402
19.000	6.70	1525	20212	1,673.0	27.1	443
16.000	6.30	1440	20795	2,012.0	21.0	414
13.000	5.90	1333	21594	2,342.0	15.0	342
10.000	5.30	1208	22700	2,682.0	9.5	246
6.500	4.60	1070	24096	3,035.0	4.4	131
0.000	4.10	965	25620	3,508.0	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.