

AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 240 V 2-Stage

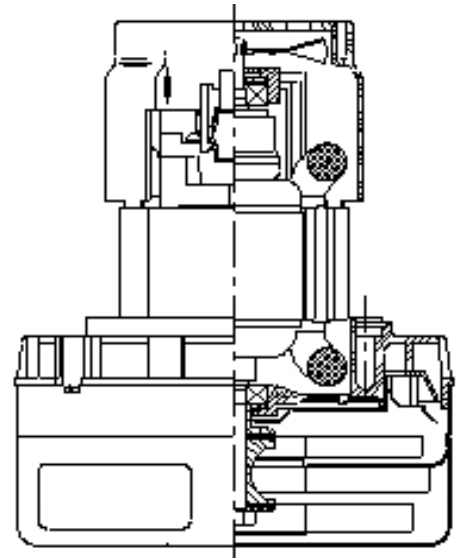
MODEL:116296-00

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:	2
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

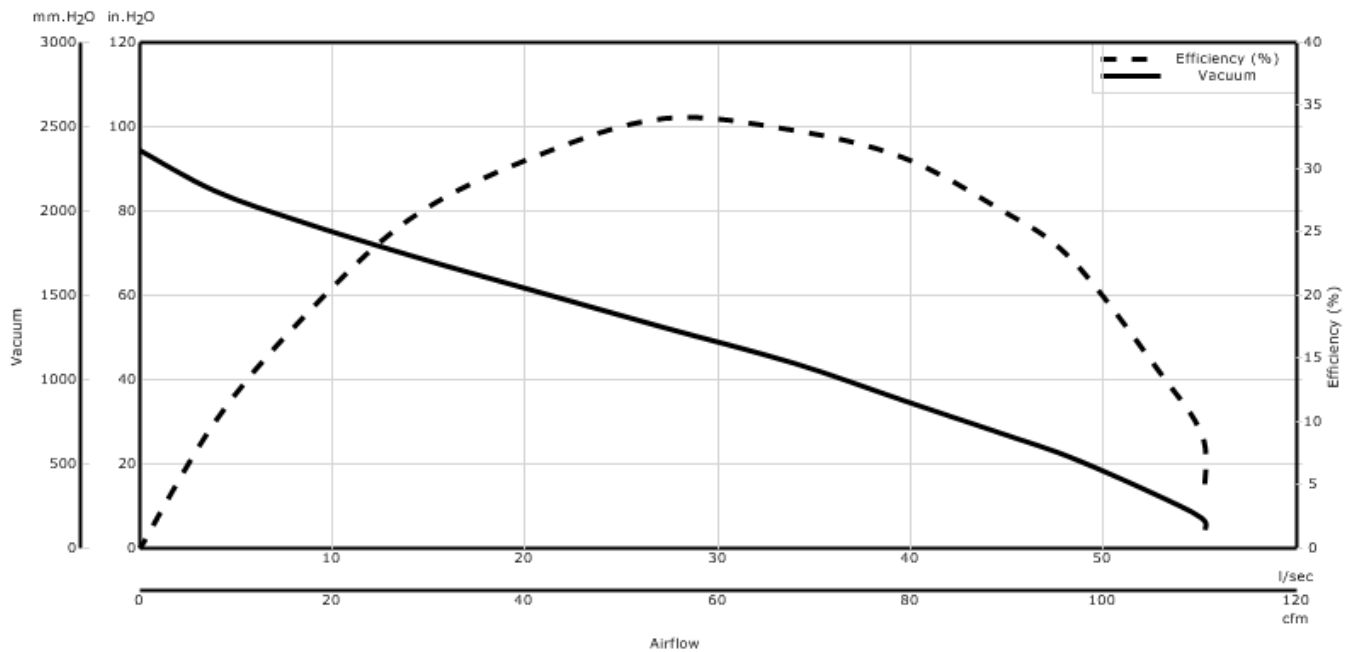
ADDITIONAL FEATURES

Regulatory:	UL Recognized
Comm Bracket:	Aluminum
Fan Bracket:	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

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	4.60	1064	19390	4.3	110.5	56
1.750	4.60	1071	19390	7.3	110.1	94
1.500	4.60	1077	19390	12.4	105.7	154
1.250	4.60	1077	19390	21.4	96.5	243
1.125	4.60	1073	19420	27.7	88.9	289
1.000	4.60	1067	19480	35.1	79.1	326
0.875	4.60	1049	19620	43.9	67.7	349
0.750	4.40	997	19990	52.5	54.4	335
0.625	4.10	959	20710	61.2	40.8	293
0.500	3.80	890	21600	69.5	27.8	227
0.375	3.50	818	22660	77.5	16.5	150
0.250	3.20	757	23730	85.0	7.7	77
0.000	3.00	702	24850	94.2	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	4.60	1067	19390	143.0	52.1	73
40.000	4.60	1075	19390	276.0	50.5	136
30.000	4.60	1075	19407	632.0	43.6	268
23.000	4.60	1054	19585	1,059.0	33.3	343
19.000	4.40	996	20004	1,338.0	25.5	334
16.000	4.10	961	20681	1,546.0	19.5	295
13.000	3.80	897	21511	1,744.0	13.7	234
10.000	3.50	829	22501	1,938.0	8.6	162
6.500	3.20	760	23677	2,149.0	3.8	81
0.000	3.00	702	24850	2,393.0	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.