

AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 120 V 2-Stage

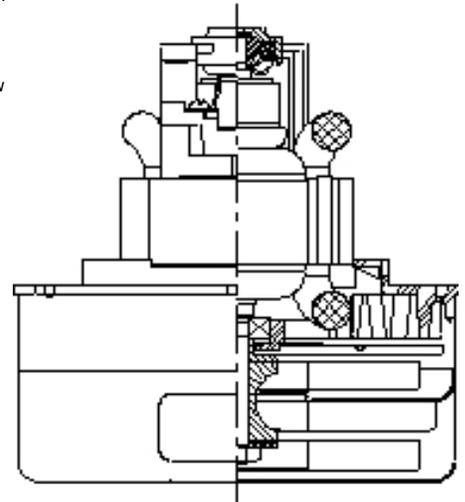
MODEL:116429-00

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	120 VAC, 50/60 Hz
Frequency:	50/60 Hz
Fan Diameter:	5.7 in./144.8 mm
No. Fan Stages:	2
Fan System Style:	Through-Flow
Air Discharge:	
Operating Temp:	32-104°F/0-40°C
Bearing System:	Ball/Sleeve
Frame:	Skeleton
Brush Type:	Carbon
Inlet Tube Dia.:	None
RFI Choke:	None
Speed:	1

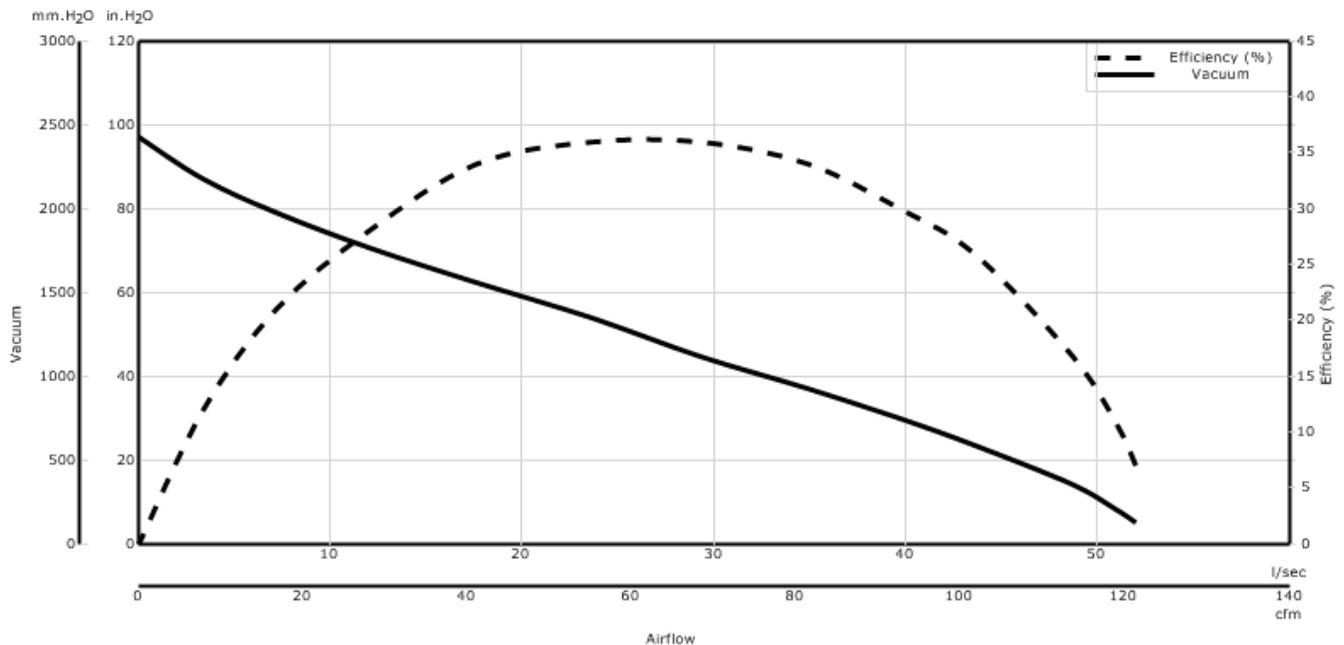
ADDITIONAL FEATURES

Regulatory:	UL Recognized, CSA certif
Comm Bracket:	Aluminum
Fan Bracket:	Plastic
Therm Protect:	Locked rotor protection w auto re-start
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	9.40	1069	18830	5.1	121.2	73
1.750	9.50	1083	18710	8.4	118.7	117
1.500	9.60	1093	18690	14.3	113.4	190
1.250	9.60	1093	18610	23.7	101.8	284
1.125	9.50	1077	18700	30.0	92.6	326
1.000	9.20	1052	18790	37.1	81.3	354
0.875	9.00	1016	19410	45.0	68.4	362
0.750	8.40	965	19990	53.9	55.1	349
0.625	7.80	902	20810	62.6	41.1	303
0.500	7.20	827	21810	70.8	28.1	233
0.375	6.50	748	23000	79.2	16.7	156
0.250	5.80	672	24290	87.3	7.8	80
0.000	5.40	627	25350	97.2	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	9.40	1075	18777	166.0	56.7	92
40.000	9.60	1090	18696	318.0	54.3	168
30.000	9.50	1084	18660	690.0	45.7	307
23.000	9.10	1025	19255	1,093.0	33.8	360
19.000	8.40	964	20006	1,373.0	25.9	348
16.000	7.80	905	20777	1,581.0	19.7	305
13.000	7.30	835	21710	1,777.0	13.9	240
10.000	6.60	760	22822	1,980.0	8.7	168
6.500	5.80	676	24226	2,207.0	3.9	84
0.000	5.40	627	25350	2,469.0	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.