

AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 24 V 2-Stage

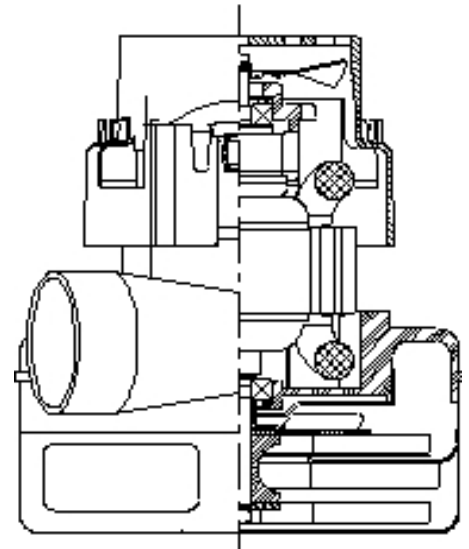
MODEL:119436-13

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	24 VDC,
Frequency:	
Fan Diameter:	5.7 in./144.8 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

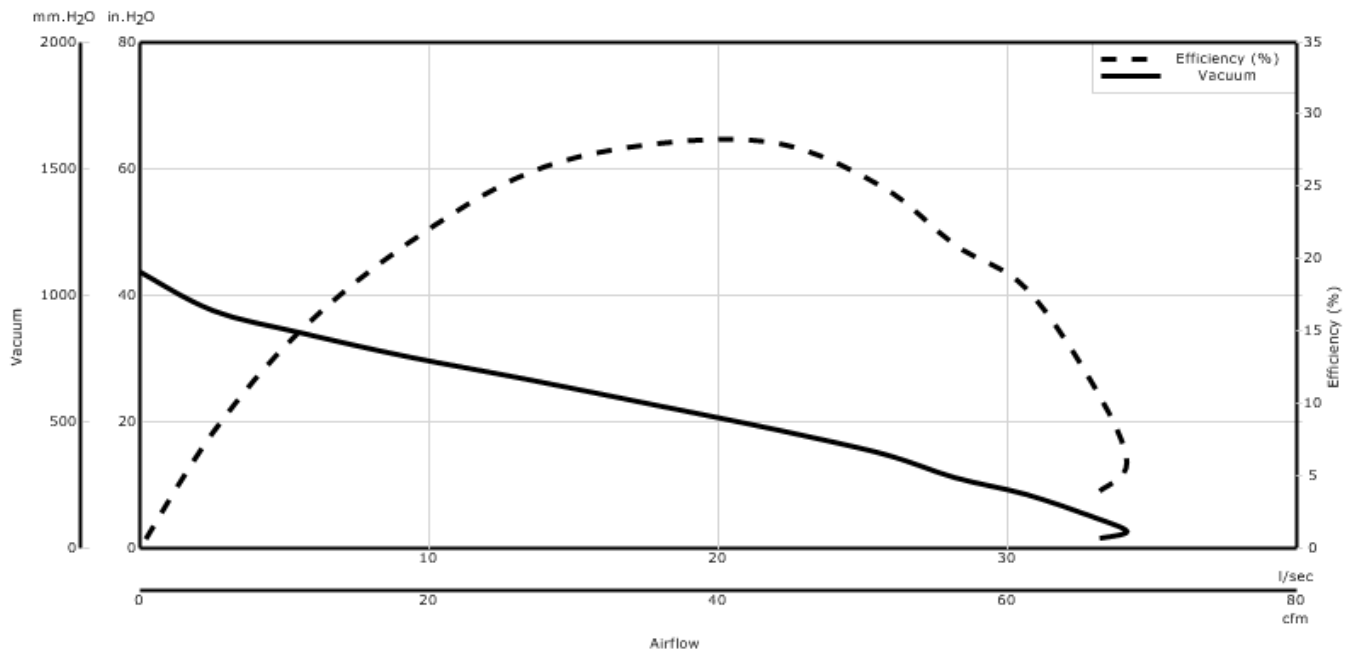
Regulatory:	UL Recognized, ,
Comm Bracket:	Plastic
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	Air Seal
Fan Shell Coat:	Epoxy
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	G2k design



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	14.00	344	12600	1.5	66.4	12
1.750	14.00	344	12550	2.8	68.2	22
1.500	14.20	348	12500	4.8	66.1	38
1.250	14.40	353	12400	8.6	61.3	62
1.125	14.40	353	12400	11.1	56.3	74
1.000	14.30	351	12400	14.8	51.4	89
0.875	14.10	346	12500	18.7	44.2	98
0.750	13.60	334	12750	22.6	35.7	95
0.625	13.20	324	13100	26.6	26.9	84
0.500	12.50	307	13700	30.5	18.4	66
0.375	11.80	292	14250	34.2	11.0	44
0.250	11.30	277	14800	37.7	5.1	23
0.000	10.80	265	15500	43.6	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	14.00	344	12578	53.0	31.7	16
40.000	14.10	347	12515	107.0	31.5	33
30.000	14.40	353	12400	253.0	27.6	69
23.000	14.20	347	12475	450.0	21.7	96
19.000	13.60	334	12757	576.0	16.8	95
16.000	13.20	324	13086	672.0	12.9	84
13.000	12.60	309	13640	765.0	9.1	68
10.000	11.90	294	14168	855.0	5.7	47
6.500	11.30	278	14773	953.0	2.5	24
0.000	10.80	265	15500	1,107.0	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.