

AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 36 V 2-Stage

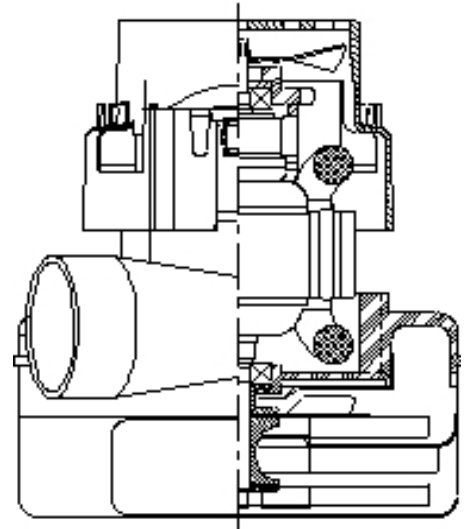
MODEL:119434-13

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	36 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

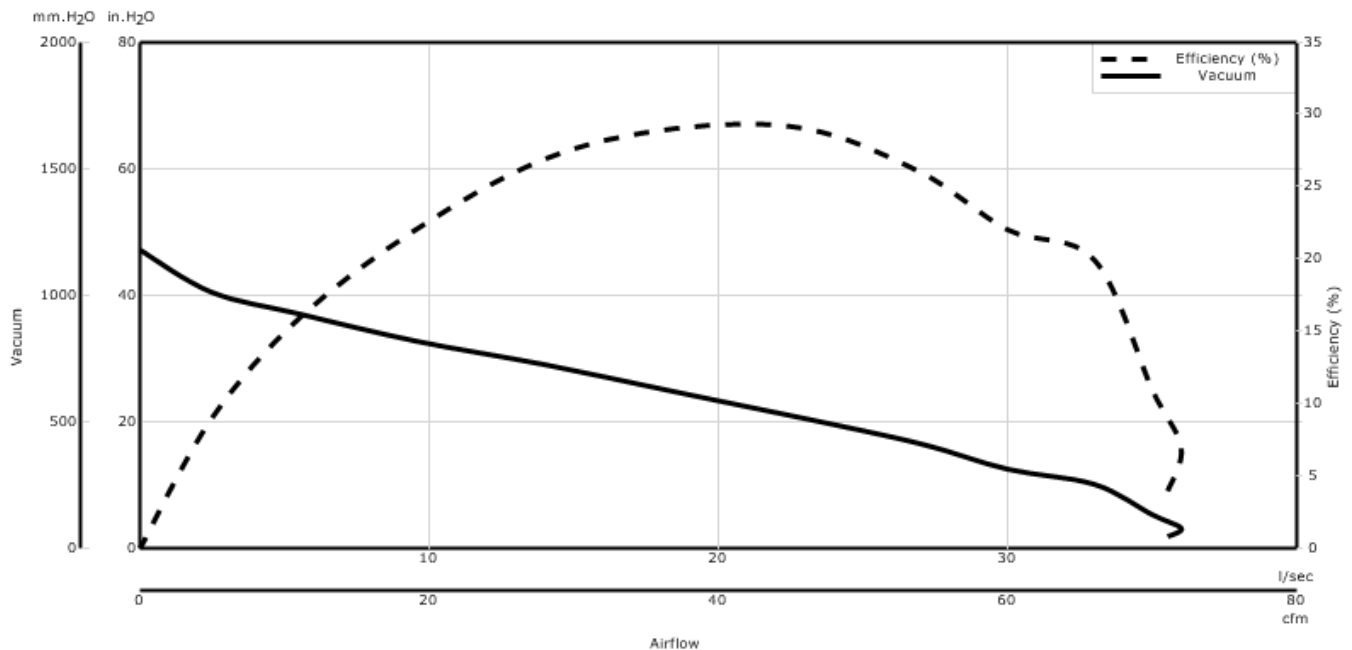
Regulatory:	UL Recognized, ,
Comm Bracket:	Plastic
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	Air Seal
Fan Shell Coat:	Epoxy
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	G2k design



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	10.50	387	13200	1.8	71.0	15
1.750	10.60	391	13200	3.1	72.0	26
1.500	10.60	391	13100	5.4	70.0	44
1.250	10.80	398	13000	10.0	66.0	78
1.125	10.80	398	13000	12.5	60.0	88
1.000	10.80	398	13000	16.5	54.0	105
0.875	10.60	391	13100	20.6	46.0	113
0.750	10.30	380	13350	24.9	37.0	110
0.625	9.70	358	13700	29.0	28.0	96
0.500	9.10	335	14250	32.8	19.0	74
0.375	8.60	317	14850	37.0	11.0	50
0.250	8.00	295	15400	40.6	5.0	25
0.000	7.60	280	16200	47.3	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	10.50	389	13200	60.0	33.7	20
40.000	10.60	391	13130	120.0	33.3	39
30.000	10.80	398	13000	289.0	29.6	84
23.000	10.70	393	13075	497.0	22.7	111
19.000	10.30	380	13357	635.0	17.4	110
16.000	9.70	359	13686	732.0	13.4	97
13.000	9.20	337	14195	823.0	9.4	76
10.000	8.70	320	14760	924.0	5.8	54
6.500	8.00	296	15373	1,027.0	2.5	26
0.000	7.60	280	16200	1,201.0	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.