

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

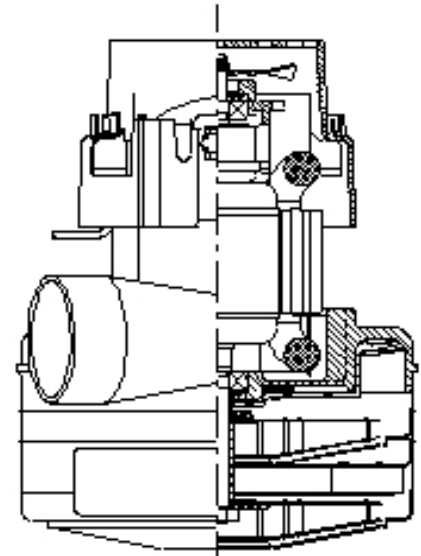
MODEL:119956-00

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:	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

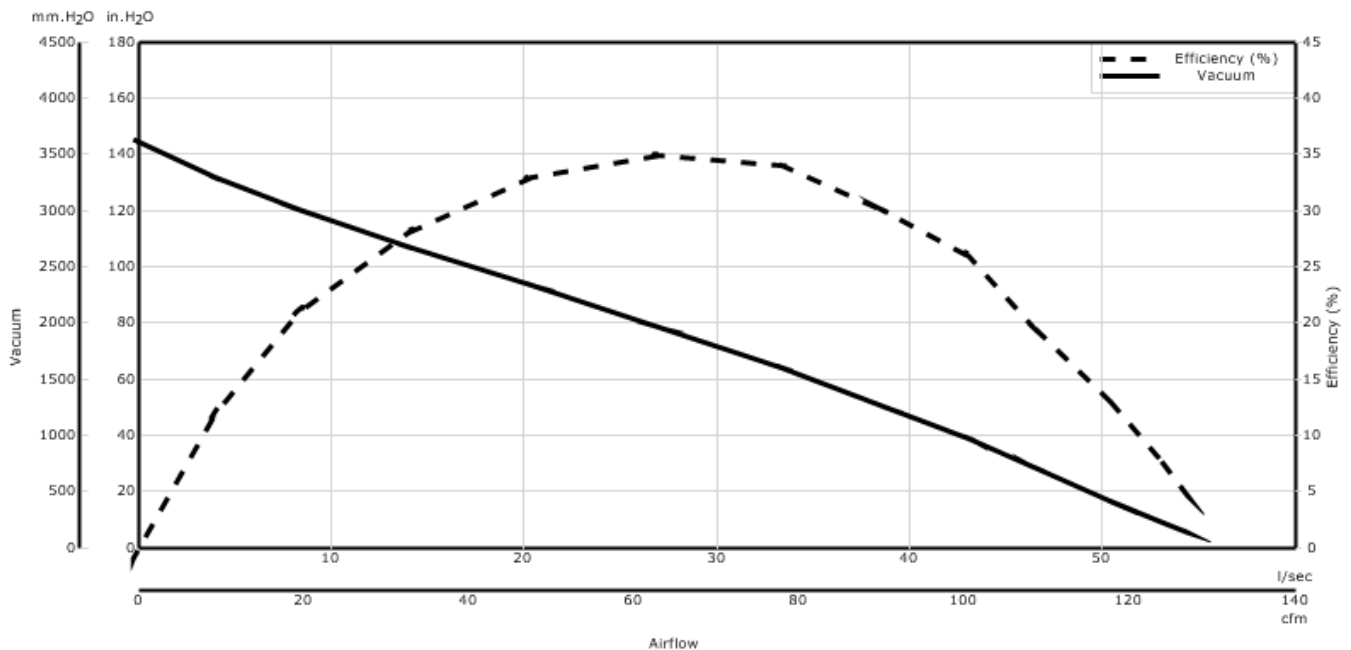
Regulatory:	UL Recognized
Comm Bracket:	Plastic
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	G2K design;dual tapered system



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

METRIC

Orifice (inches)	Amps	Watts (In)	RPM	Vac (In. H2O)	Flow (CFM)	Air Watts
2.000	15.80	1815	25077	6.0	126.7	89
2.000	15.80	1815	25077	6.0	126.7	89
1.750	15.80	1818	25080	9.8	123.5	142
1.750	15.80	1818	25080	9.8	123.5	142
1.500	15.80	1820	24943	16.8	117.5	232
1.500	15.80	1820	24943	16.8	117.5	232
1.250	15.80	1813	24940	29.3	107.8	371
1.250	15.80	1813	24940	29.3	107.8	371
1.125	15.70	1804	25070	39.0	100.4	460
1.125	15.70	1804	25070	39.0	100.4	460
1.000	15.50	1776	25073	50.6	90.1	537
1.000	15.50	1776	25073	50.6	90.1	537
0.875	15.10	1735	25457	64.2	77.8	587
0.875	15.10	1735	25457	64.2	77.8	587
0.750	14.50	1673	25933	78.5	63.0	582
0.750	14.50	1673	25933	78.5	63.0	582
0.625	13.70	1580	26630	93.4	47.5	522
0.625	13.70	1580	26630	93.4	47.5	522
0.500	12.50	1451	28060	107.4	32.5	411
0.500	12.50	1451	28060	107.4	32.5	411
0.375	11.30	1312	29360	120.4	19.3	274
0.375	11.30	1312	29360	120.4	19.3	274
0.250	10.10	1181	31207	132.0	9.3	144
0.250	10.10	1181	31207	132.0	9.3	144
0.000	9.20	1087	32630	144.8	0.0	0
0.000	9.20	1087	32630	144.8	0.0	0

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	15.80	1816	25078	195.0	59.1	112
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
19.000	14.50	1671	25947	2,001.0	29.6	581
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
16.000	13.70	1584	26602	2,357.0	22.7	524
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
13.000	12.60	1464	27917	2,692.0	16.0	422
10.000	11.50	1333	29165	3,009.0	10.0	295
10.000	11.50	1333	29165	3,009.0	10.0	295
10.000	11.50	1333	29165	3,009.0	10.0	295
10.000	11.50	1333	29165	3,009.0	10.0	295
10.000	11.50	1333	29165	3,009.0	10.0	295
10.000	11.50	1333	29165	3,009.0	10.0	295
6.500	10.20	1188	31115	3,338.0	4.6	151
6.500	10.20	1188	31115	3,338.0	4.6	151
6.500	10.20	1188	31115	3,338.0	4.6	151
6.500	10.20	1188	31115	3,338.0	4.6	151
0.000	9.20	1087	32630	3,678.0	0.0	0
0.000	9.20	1087	32630	3,678.0	0.0	0
0.000	9.20	1087	32630	3,678.0	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.