AIR MOVING MOTOR: 7.2 in. / 182.9 mm. 120 V 2-Stage

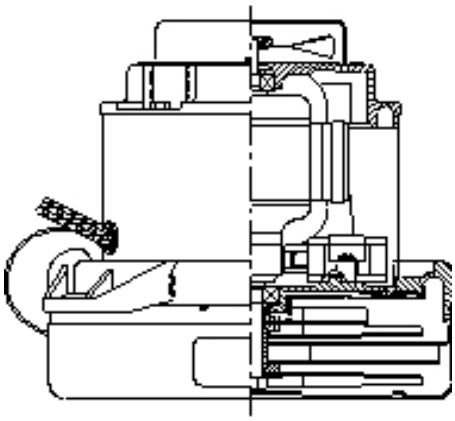
MODEL:115937

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	120 VAC, 50/60 Hz
Frequency:	50/60 Hz
Fan Diameter:	7.2 in./182.9 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

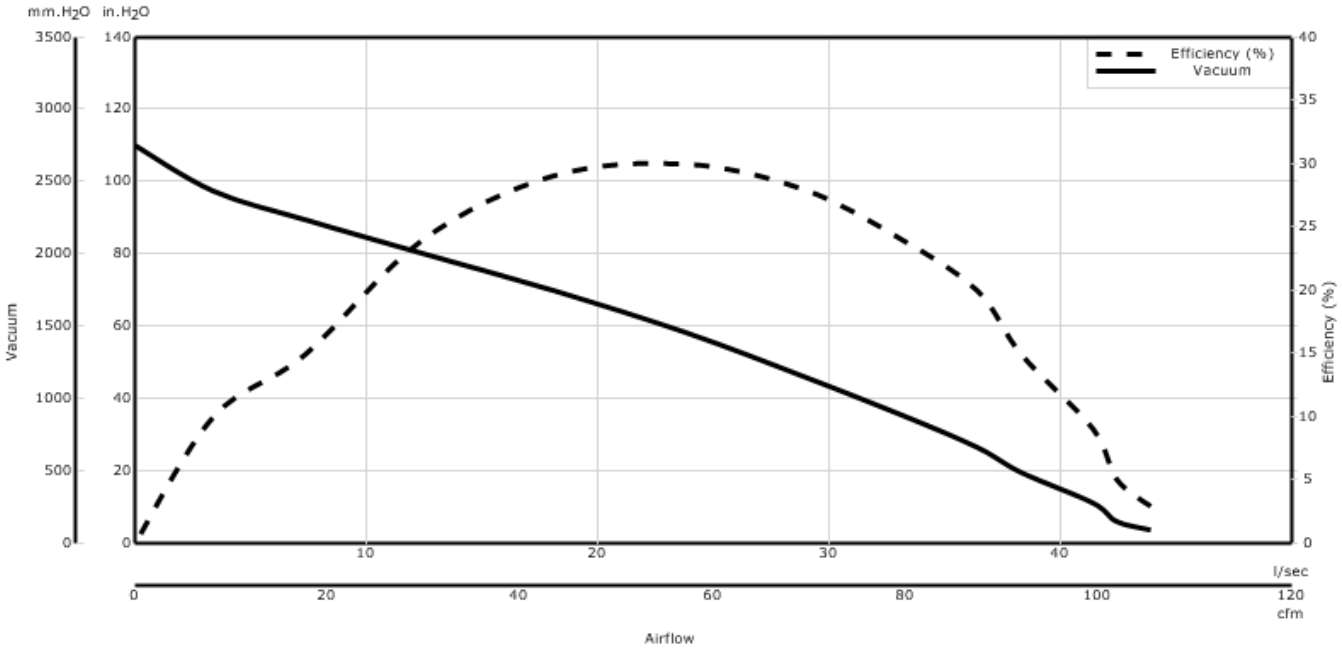
Regulatory:	UL Recognized, CSA certif
Comm Bracket:	Aluminum
Fan Bracket:	Aluminum
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	Air Seal
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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	12.70	1405	16200	3.9	105.4	48
1.750	12.70	1405	16300	6.2	101.8	74
1.500	12.70	1405	16400	11.0	99.4	129
1.250	12.60	1403	16400	19.4	92.0	210
1.125	12.60	1395	16500	26.8	87.4	276
1.000	12.40	1380	16600	35.7	79.6	335
0.875	12.20	1354	16800	46.4	69.4	379
0.750	11.70	1313	17200	58.2	57.2	392
0.625	11.00	1252	17600	70.1	43.5	359
0.500	10.30	1170	18400	80.3	29.9	282
0.375	9.50	1082	19200	89.6	17.7	159
0.250	8.70	996	20200	97.7	8.2	95
0.000	8.30	951	21000	110.1	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	12.70	1405	16244	125.0	49.0	59
40.000	12.70	1405	16370	243.0	47.3	113
30.000	12.60	1399	16455	596.0	42.2	246
23.000	12.30	1361	16750	1,111.0	34.0	368
19.000	11.70	1312	17208	1,484.0	26.9	391
16.000	11.00	1254	17584	1,768.0	20.8	360
13.000	10.40	1178	18320	2,014.0	14.8	290
10.000	9.60	1095	19080	2,240.0	9.2	177
6.500	8.70	1000	20150	2,471.0	4.1	98
0.000	8.30	951	21000	2,797.0	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.