

## AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 240 V 2-Stage

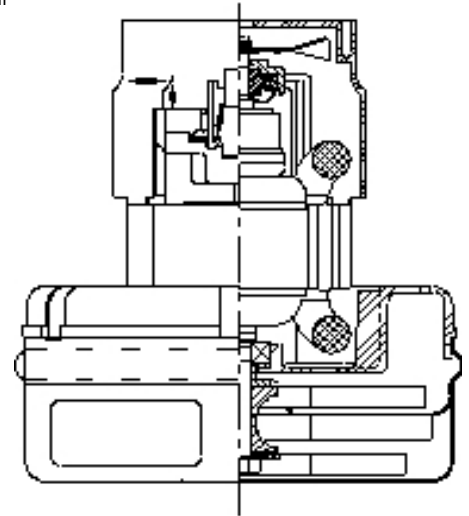
MODEL:116125-00

### SPECIFICATIONS

<b>Motor Type:</b>	Series Universal
<b>Input Voltage:</b>	240 VAC, 50/60 Hz
<b>Frequency:</b>	50/60 Hz
<b>Fan Diameter:</b>	5.7 in./144.8 mm
<b>No. Fan Stages:</b>	2
<b>Fan System Style:</b>	Bypass
<b>Air Discharge:</b>	Peripheral
<b>Operating Temp:</b>	32-104°F/0-40°C
<b>Bearing System:</b>	Ball/Sleeve
<b>Frame:</b>	Skeleton
<b>Brush Type:</b>	Carbon
<b>Inlet Tube Dia.:</b>	None
<b>RFI Choke:</b>	None
<b>Speed:</b>	1

### ADDITIONAL FEATURES

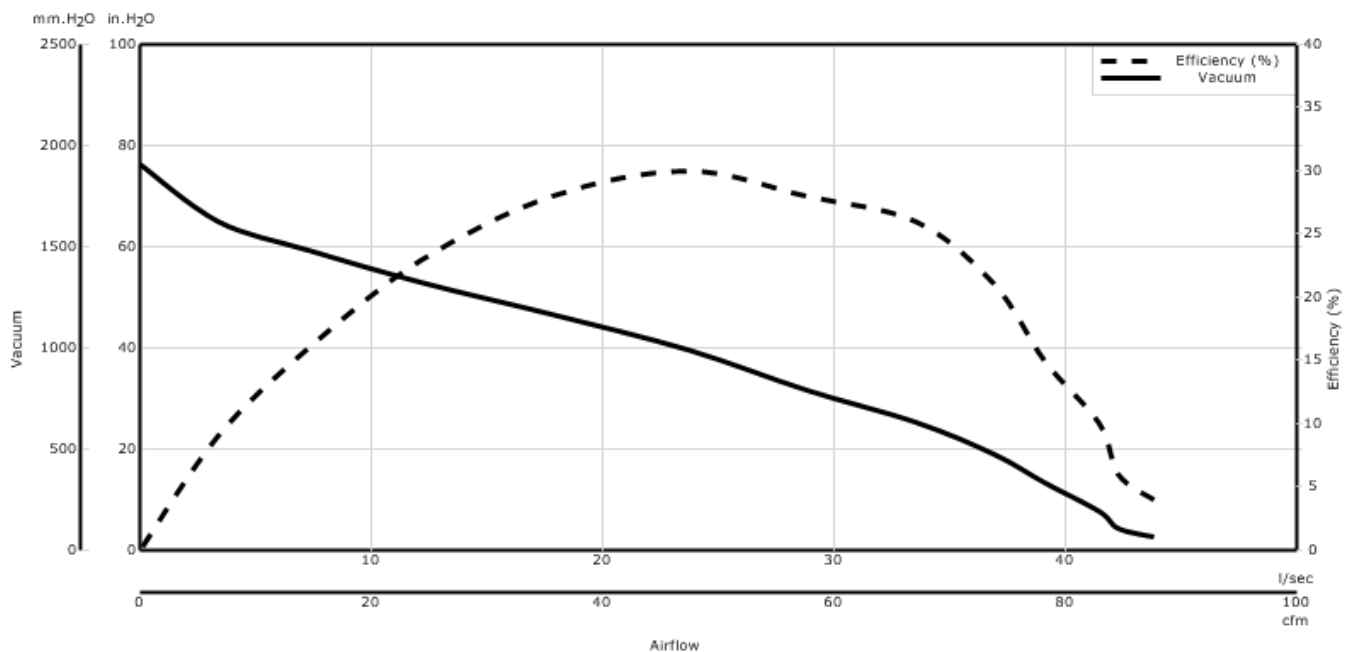
<b>Regulatory:</b>	UL Recognized, CSA certif
<b>Comm Bracket:</b>	Aluminum
<b>Fan Bracket:</b>	Plastic
<b>Therm Protect:</b>	None
<b>Insulation Class:</b>	Class A
<b>Added Bearing Prot.:</b>	
<b>Fan Shell Coat:</b>	None
<b>Electrical Conn.:</b>	Lead Wires
<b>Duty Cycle:</b>	Intermittent
<b>Special Feature: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



### 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	3.50	766	18333	2.7	87.7	28
1.750	3.50	766	18280	4.3	84.5	42
1.500	3.60	776	18227	7.6	83.0	74
1.250	3.60	781	18068	13.3	78.2	120
1.125	3.60	781	18015	19.0	73.8	165
1.000	3.60	778	17273	25.2	67.1	199
0.875	3.50	757	17273	31.7	57.6	215
0.750	3.40	735	18280	39.6	47.3	220
0.625	3.30	706	18788	46.6	35.6	195
0.500	3.10	671	19477	53.0	24.3	151
0.375	2.80	633	20346	59.5	14.5	101
0.250	2.70	584	21194	65.0	6.7	51
0.000	2.40	540	22550	76.2	0.0	0

## METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	3.50	766	18310	86.0	40.7	34
40.000	3.60	773	18243	168.0	39.4	64
30.000	3.60	781	18039	417.0	35.8	145
23.000	3.50	762	17273	764.0	28.3	211
19.000	3.40	734	18290	1,009.0	22.2	220
16.000	3.30	707	18768	1,177.0	17.0	196
13.000	3.10	675	19408	1,330.0	12.0	155
10.000	2.80	639	20216	1,487.0	7.5	109
6.500	2.70	586	21152	1,644.0	3.3	54
0.000	2.40	540	22550	1,935.0	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.