

# AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 36 V 3-Stage

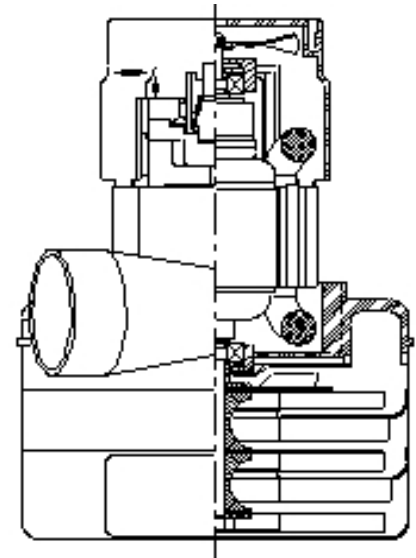
MODEL:116513-13

## SPECIFICATIONS

<b>Motor Type:</b>	Series Universal
<b>Input Voltage:</b>	36 VDC,
<b>Frequency:</b>	
<b>Fan Diameter:</b>	5.7 in./144.8 mm
<b>No. Fan Stages:</b>	3
<b>Fan System Style:</b>	Bypass
<b>Air Discharge:</b>	Tangential
<b>Operating Temp:</b>	32-104°F/0-40°C
<b>Bearing System:</b>	Ball/Ball
<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

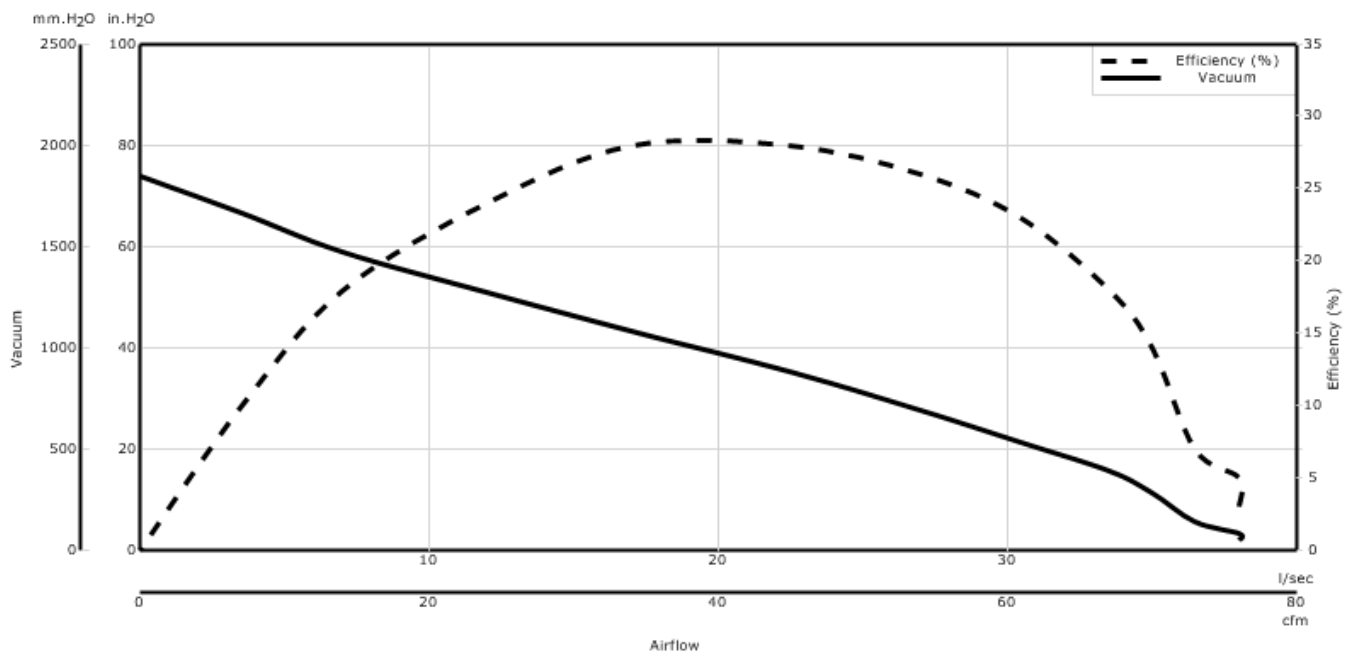
<b>Regulatory:</b>	UL Recognized, ,
<b>Comm Bracket:</b>	Aluminum
<b>Fan Bracket:</b>	Plastic
<b>Therm Protect:</b>	None
<b>Insulation Class:</b>	Class A
<b>Added Bearing Prot.:</b>	Air Seal
<b>Fan Shell Coat:</b>	Epoxy
<b>Electrical Conn.:</b>	Lead Wires
<b>Duty Cycle:</b>	Intermittent
<b>Special Feature:</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	17.40	653	14125	2.0	76.0	18
1.750	17.40	656	14138	3.4	76.0	31
1.500	17.60	659	14088	5.8	73.0	49
1.250	17.80	666	14000	11.4	70.0	94
1.125	17.90	670	13925	15.6	67.0	122
1.000	17.90	672	13888	21.2	61.0	153
0.875	17.80	669	13975	27.7	54.0	175
0.750	17.40	654	14188	35.3	45.0	185
0.625	16.70	627	14563	43.4	34.0	175
0.500	15.70	592	15275	50.9	24.0	142
0.375	14.50	549	16025	58.9	14.0	100
0.250	13.50	511	17013	66.5	7.0	53
0.000	12.60	478	17950	74.0	0.0	0

## METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	17.40	654	14131	66.0	35.9	24
40.000	17.50	658	14103	129.0	34.9	44
30.000	17.90	668	13959	348.0	32.3	109
23.000	17.80	670	13953	662.0	26.3	170
19.000	17.40	653	14196	901.0	21.1	185
16.000	16.70	628	14548	1,094.0	16.3	175
13.000	15.80	596	15204	1,274.0	11.8	145
10.000	14.70	555	15913	1,466.0	7.3	106
6.500	13.60	513	16964	1,679.0	3.5	55
0.000	12.60	478	17950	1,880.0	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.