

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

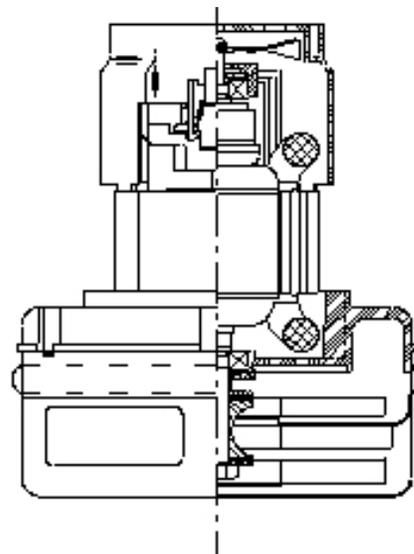
MODEL:116354-00

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	240 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:	Peripheral
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

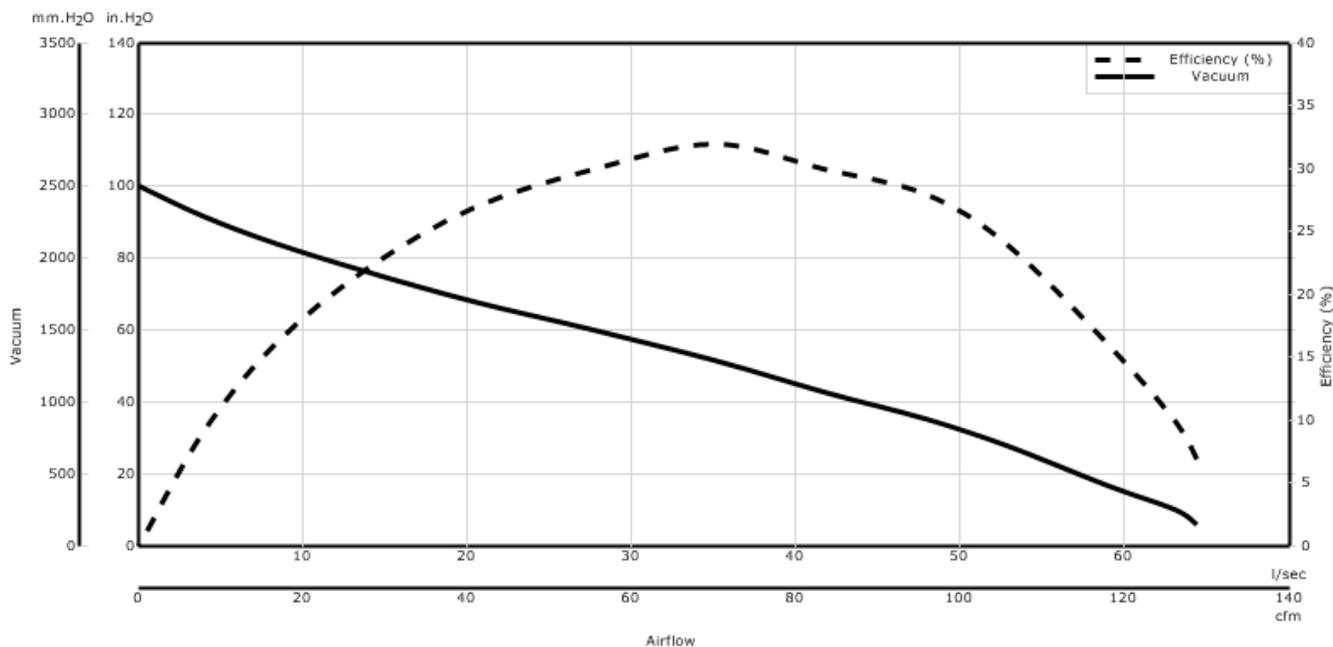
Regulatory:	UL Recognized
Comm Bracket:	Aluminum
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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."

ENGLISH

Orifice (inches)	Amps	Watts (In)	RPM	Vac (In. H2O)	Flow (CFM)	Air Watts
2.000	6.40	1435	18454	6.1	128.7	93
1.750	6.50	1448	18388	10.2	126.1	151
1.500	6.50	1456	18343	16.9	117.9	234
1.250	6.50	1454	18343	28.1	105.7	349
1.125	6.40	1437	18496	35.4	95.8	398
1.000	6.20	1399	18836	43.1	83.4	423
0.875	6.00	1354	19239	52.0	70.1	428
0.750	5.70	1287	19835	60.2	55.3	391
0.625	5.30	1193	20583	68.2	40.7	326
0.500	4.90	1108	21572	76.3	27.5	246
0.375	4.50	1029	22547	84.7	16.4	163
0.250	4.20	960	23530	91.8	7.9	85
0.000	4.00	910	24515	100.4	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	6.40	1441	18425	201.0	60.2	119
40.000	6.50	1454	18357	378.0	56.8	209
30.000	6.40	1445	18427	816.0	47.3	376
23.000	6.10	1365	19138	1,264.0	34.7	427
19.000	5.70	1285	19850	1,533.0	26.0	390
16.000	5.30	1197	20553	1,724.0	19.5	329
13.000	4.90	1117	21473	1,917.0	13.6	254
10.000	4.60	1041	22401	2,119.0	8.5	175
6.500	4.20	963	23481	2,323.0	3.9	89
0.000	4.00	910	24515	2,550.0	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.