

AIR MOVING MOTOR: 7.2 in. / 182.9 mm. 240 V 3-Stage

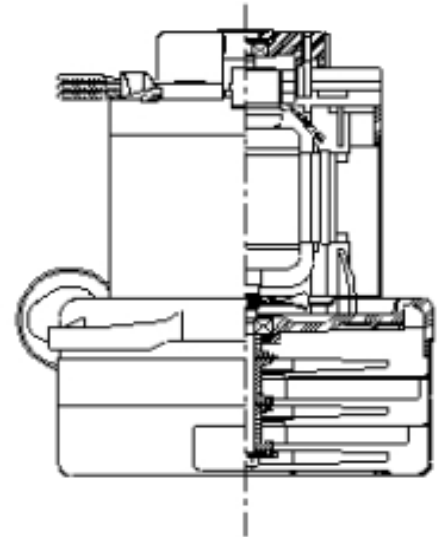
MODEL:117743-00

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	240 VAC, 50/60 Hz
Frequency:	50/60 Hz
Fan Diameter:	7.2 in./182.9 mm
No. Fan Stages:	3
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

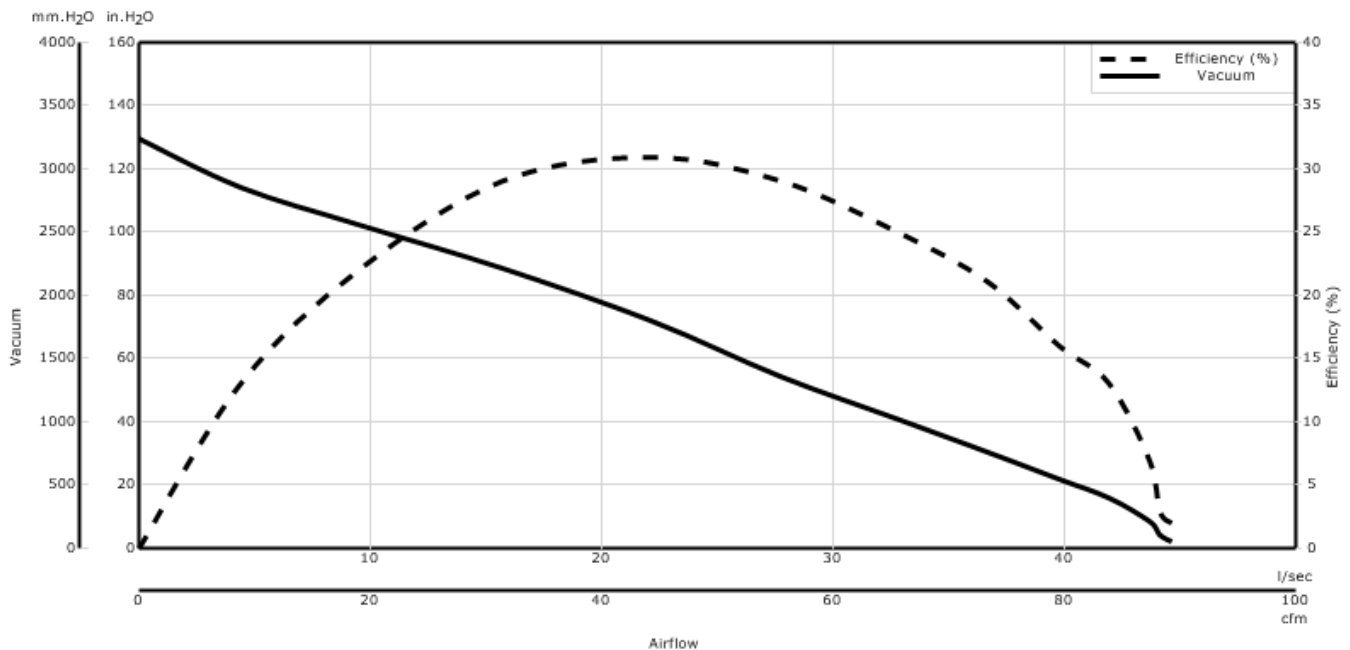
Regulatory:	UL Recognized
Comm Bracket:	Plastic
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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	5.50	1262	17800	2.2	89.2	20
1.750	5.50	1261	17800	4.3	88.2	43
1.500	5.50	1262	17800	8.4	87.4	87
1.250	5.50	1266	17800	16.1	83.8	159
1.125	5.50	1265	17820	22.1	79.5	207
1.000	5.50	1260	17870	30.2	73.4	260
0.875	5.40	1255	17920	40.9	65.4	315
0.750	5.40	1247	18000	54.5	55.5	356
0.625	5.20	1211	18130	71.8	44.2	373
0.500	4.90	1136	18810	88.3	31.4	326
0.375	4.50	1043	19710	102.5	19.0	229
0.250	4.00	942	20810	113.9	8.8	119
0.000	3.50	837	22020	129.5	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	5.50	1262	17800	79.0	41.9	30
40.000	5.50	1262	17800	182.0	41.4	74
30.000	5.50	1265	17811	493.0	38.4	185
23.000	5.40	1256	17908	971.0	31.8	301
19.000	5.40	1246	18003	1,393.0	26.1	356
16.000	5.20	1212	18125	1,806.0	21.1	372
13.000	4.90	1144	18742	2,201.0	15.4	331
10.000	4.60	1057	19575	2,549.0	9.8	244
6.500	4.00	947	20755	2,879.0	4.4	125
0.000	3.50	837	22020	3,289.0	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.