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

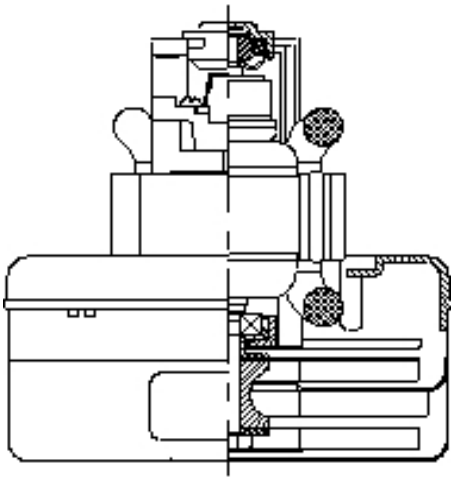
MODEL:116670-50

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:	Through-Flow
Air Discharge:	
Operating Temp:	32-104°F/0-40°C
Bearing System:	Ball/Sleeve
Frame:	Skeleton
Brush Type:	Carbon
Inlet Tube Dia.:	None
RFI Choke:	None
Speed:	1

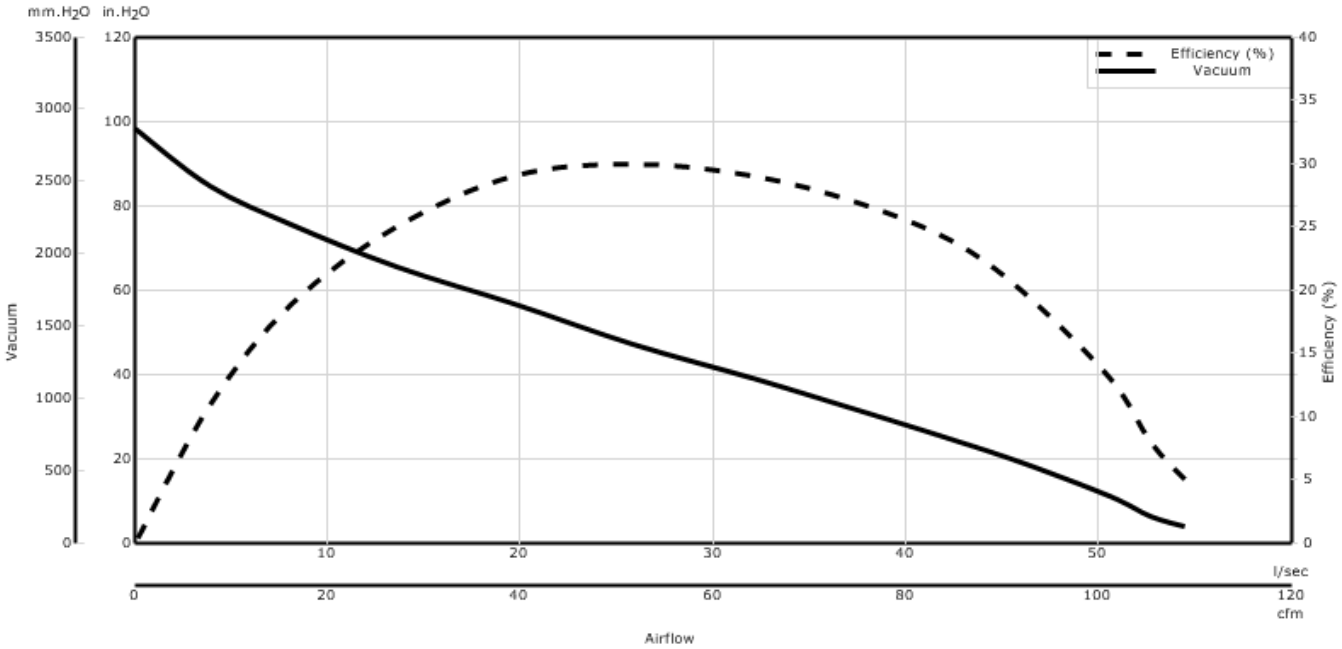
ADDITIONAL FEATURES

Regulatory:	UL Recognized, CSA certif
Comm Bracket:	Aluminum
Fan Bracket:	Aluminum
Therm Protect:	Locked rotor protection w auto re-start
Insulation Class:	Class B
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



Design Application

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	4.20	977	19117	4.2	108.9	53
1.750	4.30	1000	18979	6.6	105.3	82
1.500	4.30	1016	18841	11.3	101.2	135
1.250	4.40	1029	18566	19.4	91.9	210
1.125	4.40	1037	18566	25.0	84.5	248
1.000	4.40	1031	18566	31.5	75.0	278
0.875	4.30	1009	18831	39.1	64.0	294
0.750	4.00	970	19255	47.3	51.7	288
0.625	3.80	913	20007	56.7	39.3	262
0.500	3.50	841	21014	65.7	27.1	209
0.375	3.20	769	22254	75.5	16.3	145
0.250	2.80	705	23557	84.9	7.7	77
0.000	2.60	643	24659	98.6	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	4.20	987	19056	134.0	50.7	66
40.000	4.30	1011	18882	251.0	48.3	119
30.000	4.40	1033	18566	571.0	41.5	231
23.000	4.30	1015	18765	945.0	31.5	290
19.000	4.00	969	19270	1,206.0	24.3	287
16.000	3.80	915	19977	1,431.0	18.8	263
13.000	3.50	848	20913	1,646.0	13.4	214
10.000	3.20	780	22068	1,880.0	8.5	155
6.500	2.80	708	23492	2,145.0	3.8	80
0.000	2.60	643	24659	2,504.0	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.