AIR MOVING MOTOR: 5.7 in. / 144.8 mm. 120 V 2-Stage

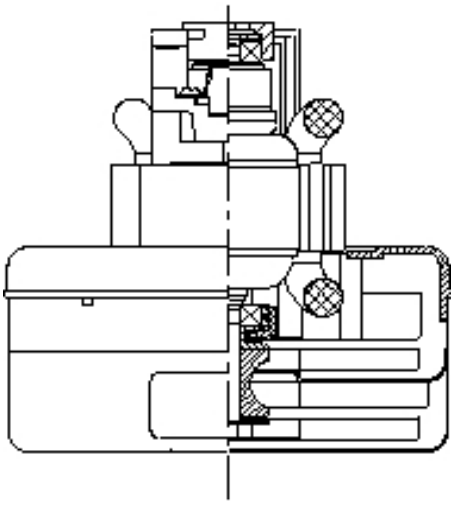
MODEL:116669-20

SPECIFICATIONS

Motor Type:	Series Universal
Input Voltage:	120 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/Ball
Frame:	Skeleton
Brush Type:	Carbon
Inlet Tube Dia.:	None
RFI Choke:	None
Speed:	1

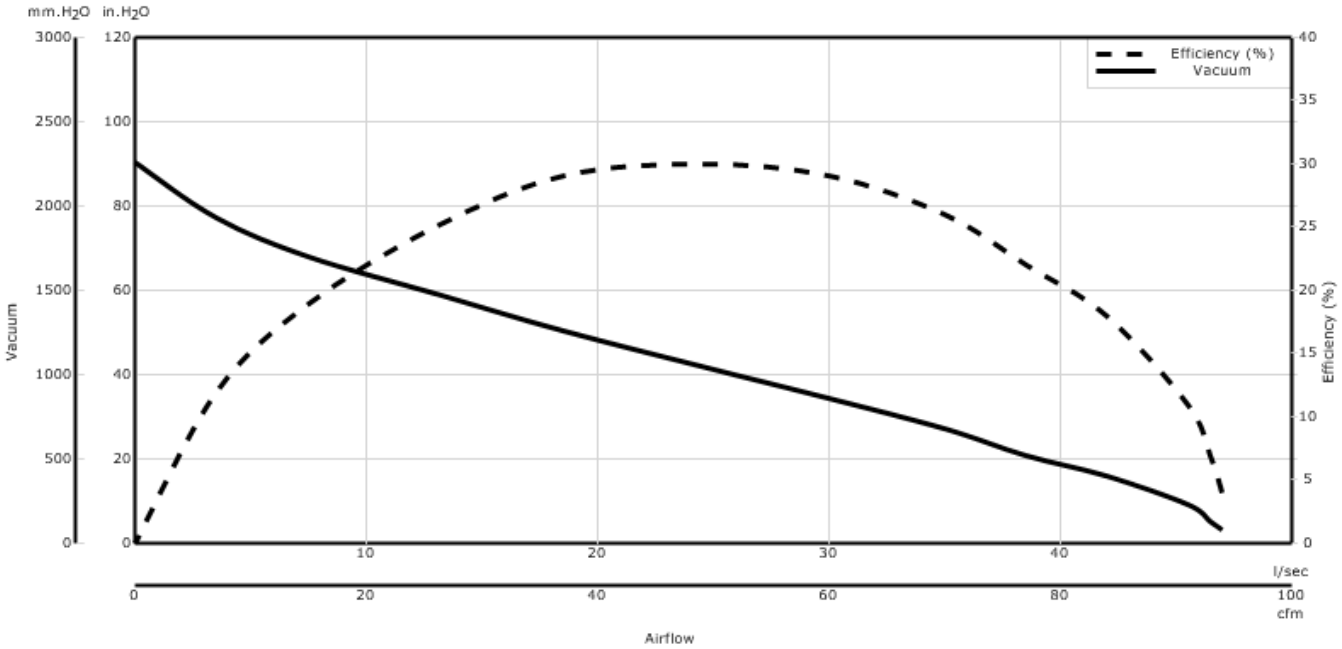
ADDITIONAL FEATURES

Regulatory:	UL Recognized, CSA certif
Comm Bracket:	Aluminum
Fan Bracket:	Aluminum
Therm Protect:	Locked rotor protection w auto re-start
Insulation Class:	Class A
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	7.50	846	17587	3.1	94.0	34
1.750	7.60	852	17460	5.2	93.0	57
1.500	7.60	859	17463	9.2	91.0	98
1.250	7.70	863	17360	16.0	84.0	158
1.125	7.70	863	17353	21.0	77.0	192
1.000	7.60	856	17443	27.2	70.0	222
0.875	7.40	839	17697	34.3	60.0	241
0.750	7.10	809	18093	41.9	49.0	240
0.625	6.70	760	18700	50.5	37.0	220
0.500	6.10	701	19530	59.0	26.0	178
0.375	5.50	636	20717	67.9	15.0	124
0.250	5.00	582	21977	77.2	7.0	67
0.000	4.50	534	23170	90.2	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	7.50	849	17531	102.0	44.2	44
40.000	7.60	857	17462	203.0	43.2	86
30.000	7.70	863	17356	476.0	37.8	177
23.000	7.50	843	17634	826.0	29.5	236
19.000	7.10	808	18105	1,069.0	23.0	240
16.000	6.70	762	18676	1,274.0	17.7	221
13.000	6.20	707	19447	1,477.0	12.8	182
10.000	5.60	646	20539	1,691.0	7.9	132
6.500	5.00	585	21914	1,949.0	3.5	70
0.000	4.50	534	23170	2,291.0	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.