

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

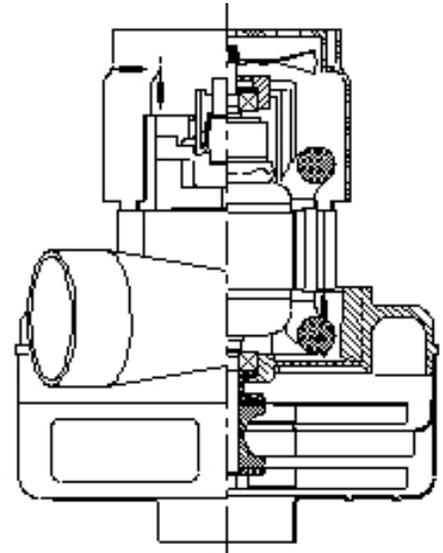
MODEL:116210-52

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:	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

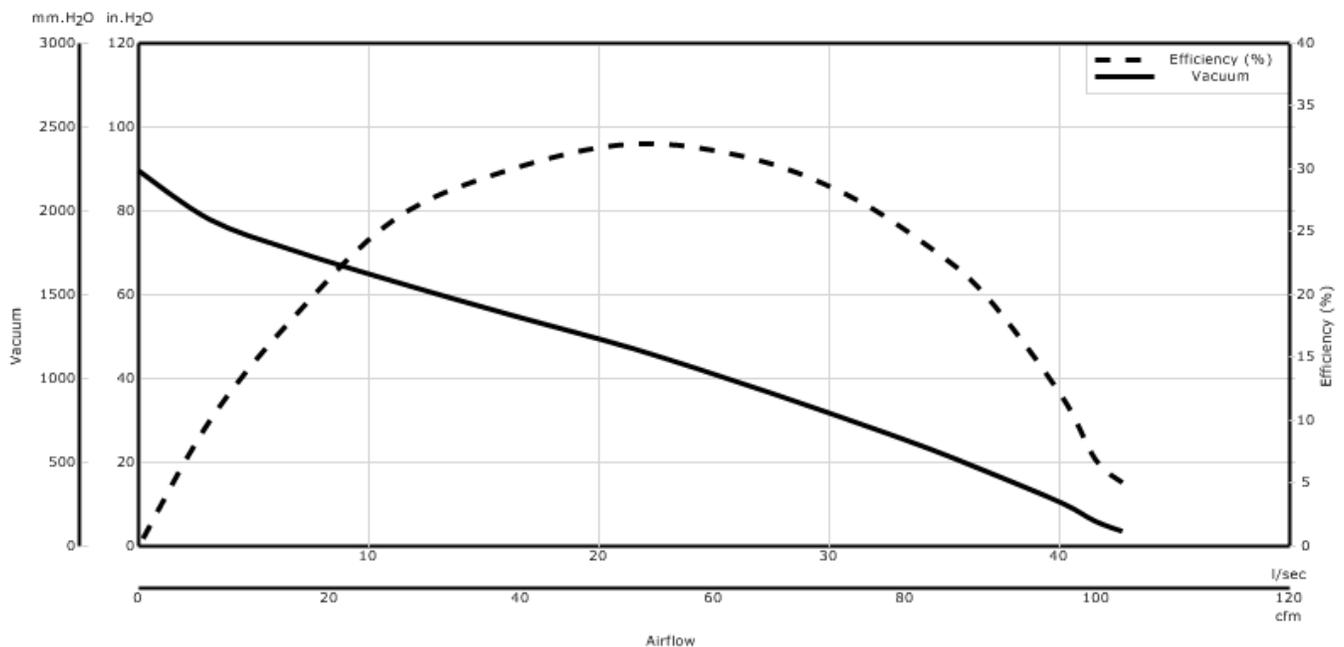
Regulatory:	UL Recognized, ,
Comm Bracket:	Aluminum
Fan Bracket:	Plastic
Therm Protect:	None
Insulation Class:	Class A
Added Bearing Prot.:	
Fan Shell Coat:	None
Electrical Conn.:	Lead Wires
Duty Cycle:	Intermittent
Special Feature:	



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."

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	8.00	930	18252	3.7	102.6	44
1.750	8.10	935	18191	5.9	99.7	70
1.500	8.10	941	18121	10.2	96.2	116
1.250	8.20	949	18034	17.9	88.3	186
1.125	8.20	949	18054	23.6	82.0	227
1.000	8.10	941	18135	30.5	73.8	265
0.875	8.00	923	18366	38.6	63.5	288
0.750	7.60	887	18743	47.1	51.6	285
0.625	7.20	837	19429	55.3	38.8	252
0.500	6.60	775	20281	63.4	26.6	198
0.375	6.00	715	21223	70.7	15.8	131
0.250	5.50	660	22227	78.0	7.4	68
0.000	5.10	613	23134	89.8	0.0	0

METRIC

Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (l/Sec)	Air Watts
48.000	8.00	932	18225	119.0	47.8	55
40.000	8.10	939	18142	226.0	45.9	102
30.000	8.20	949	18045	534.0	40.0	209
23.000	8.00	928	18308	929.0	31.2	282
19.000	7.60	886	18757	1,201.0	24.2	284
16.000	7.20	839	19402	1,396.0	18.6	253
13.000	6.70	781	20196	1,590.0	13.1	203
10.000	6.10	724	21082	1,768.0	8.2	141
6.500	5.50	663	22177	1,972.0	3.7	71
0.000	5.10	613	23134	2,281.0	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.