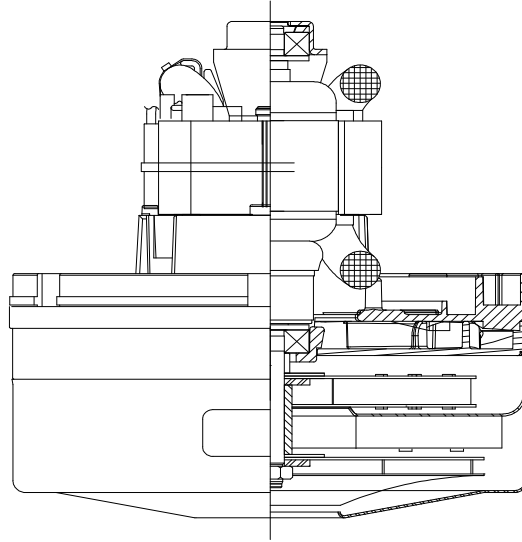## DESCRIPTION

- Two stage
- 230 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Steel End bracket
- Thermoset Commutator bracket

DESIGN APPLICATION

- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

SPECIAL FEATURES

- Suitable for 230 volt AC operation, 60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame construction
- High Efficient fan system
- Auto-Reset Thermal Device
- Patented "Eternity" brush mech for 2000+ hours life
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*   (At 230 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA
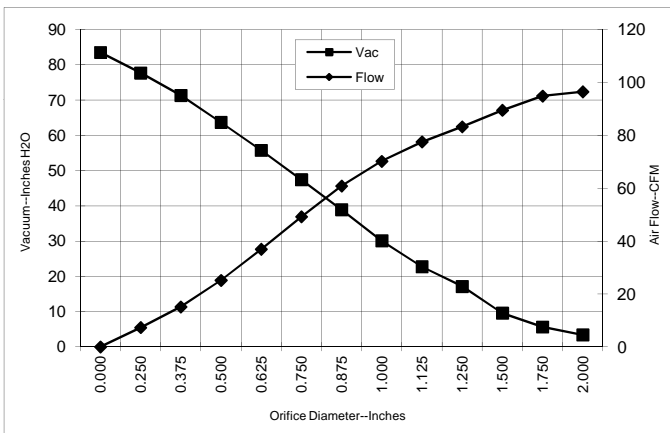
Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	3.5	758	18906	3.4	96.5	39
1.750	3.5	758	18906	5.7	94.9	63
1.500	3.5	762	18759	9.6	89.5	101
1.250	3.5	772	18619	17.1	83.3	168
1.125	3.6	777	18619	22.7	77.5	207
1.000	3.6	777	18619	30.1	70.2	248
0.875	3.5	771	18714	38.9	60.9	278
0.750	3.4	752	18854	47.4	49.2	274
0.625	3.3	718	19432	55.8	36.9	242
0.500	3.0	670	20268	63.7	25.2	188
0.375	2.8	618	21265	71.4	15.1	127
0.250	2.6	574	22375	77.7	7.3	67
0.000	2.4	540	22902	83.5	0.0	0

METRIC DATA
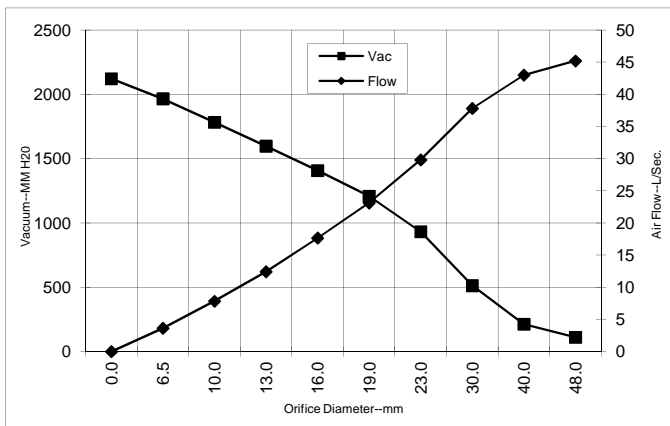
Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	3.5	758	18906	112	45.2	49
40.0	3.5	761	18803	213	43.0	90
30.0	3.5	775	18619	513	37.8	189
23.0	3.5	773	18690	932	29.8	271
19.0	3.4	751	18866	1209	23.1	273
16.0	3.3	719	19409	1408	17.7	243
13.0	3.1	675	20184	1597	12.4	193
10.0	2.8	626	21115	1783	7.8	136
6.5	2.6	576	22320	1966	3.6	70
0.0	2.4	540	22902	2122	0.0	0

Note: Metric Performance data is calculated from the ASTM data above.

* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	230 volts	Minimum Sealed Vacuum:	74"	ORIFICE:	7/8 "	Minimum Vacuum:	35"	Maximum Watts:	754

DIMENSIONS

NOTES:
1. MODEL NUMBER, DATE OF MANUFACTURE, PLANT LOCATION CODE, AGENCY RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME,
   VOLTAGE AND FREQUENCY, AND CUSTOMER'S PART NO. TO APPEAR ON MOTOR.
2. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
3. GROUND LEAD: 18GA STRANDED, GREEN OR GREEN WITH YELLOW STRIPES..
4. GROUNDING OR EARTHING PROVISIONS: USE HOLES AS INDICATED FOR GROUNDING OR EARTHING.
   REFER TO APPROPRIATE LISTING OR REGULATORY AGENCY FOR PROPER METHOD OF GROUNDING OR EARTHING.
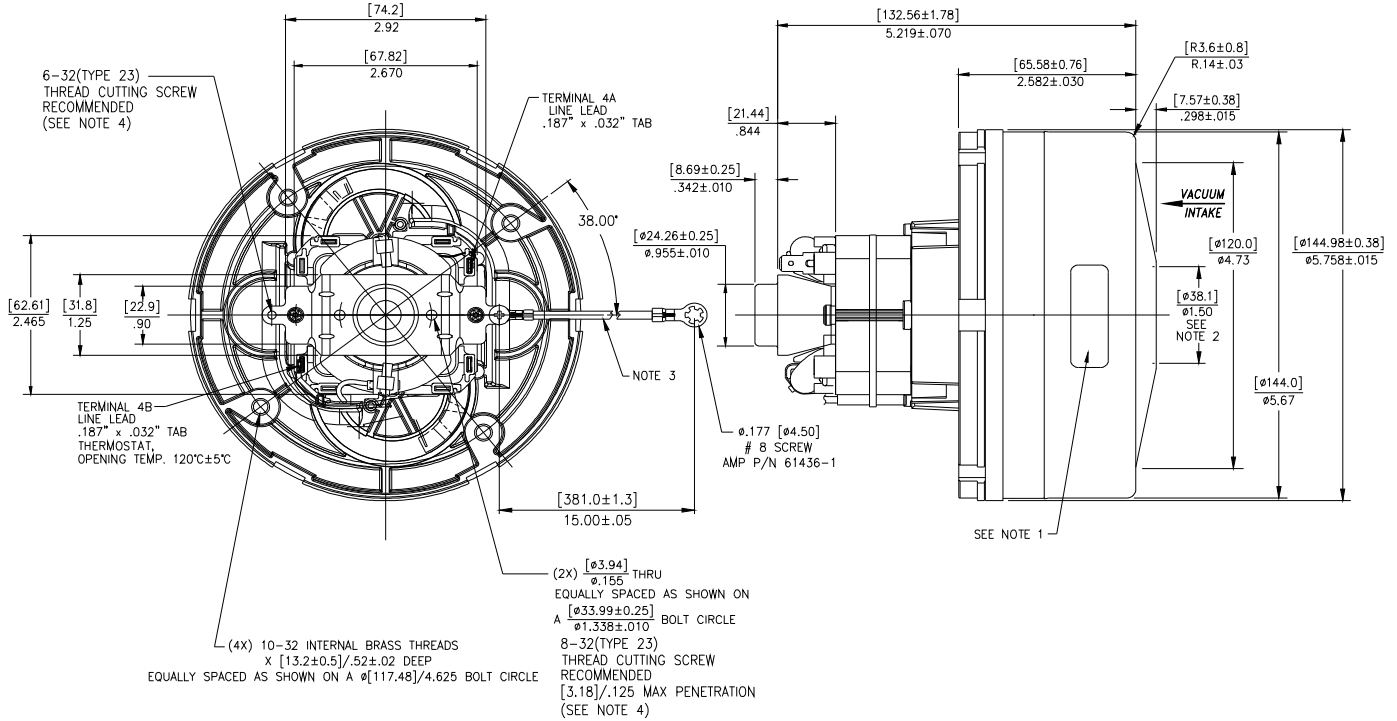
IMPORTANT NOTE: *Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.*

WARNING   -   When using AMETEK Floorcare & Specialty Motors (F&SM) bypass 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. F&SM vacuum 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 shockwhich could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating F&SM motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK/Floorcare & Specialty Motors
www.ametekfsm.com

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