AMETEK

Product Bulletin

LAMB ELECTRIC

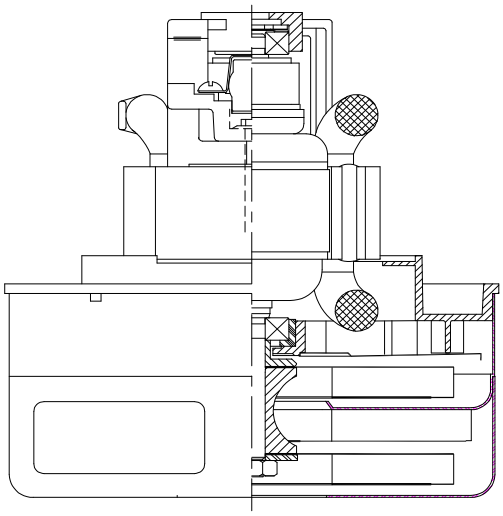
Models: 116600-44

DESCRIPTION

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Aluminum fan end bracket
- Aluminum 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



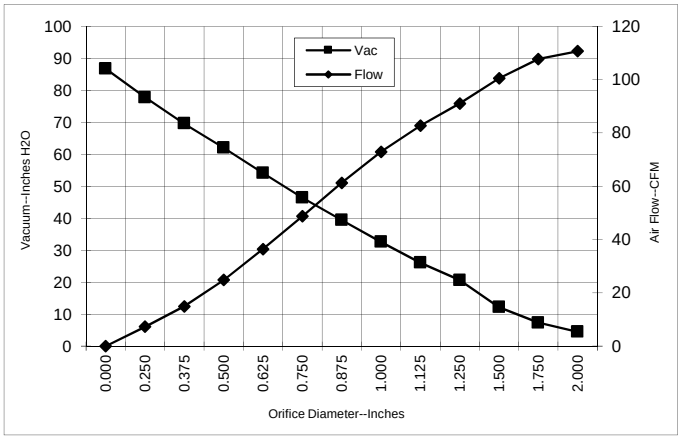
SPECIAL FEATURES

- Suitable for 120 volt AC operation, 400 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton-frame construction
- High air flow fan system
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

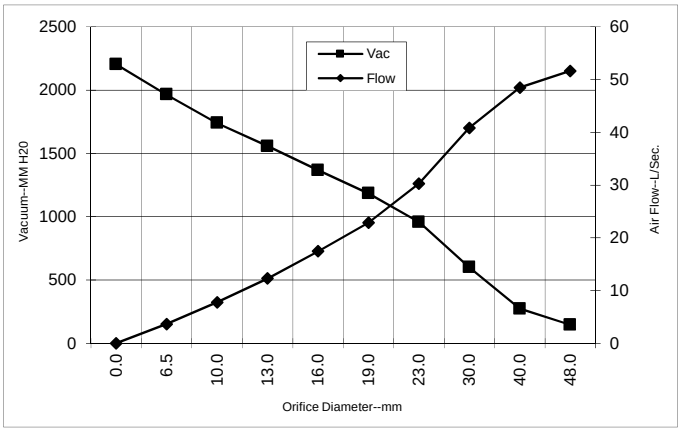
(At 120 volts, 400Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	7.7	841	17,058	4.5	110.6	58
1.750	7.7	850	17,018	7.3	107.7	93
1.500	7.8	858	16,934	12.2	100.5	144
1.250	7.8	860	16,975	20.6	91.0	221
1.125	7.7	852	17,076	26.1	82.8	253
1.000	7.5	833	17,276	32.6	72.9	279
0.875	7.3	805	17,634	39.4	61.2	283
0.750	6.9	765	17,874	46.5	48.7	266
0.625	6.4	715	18,822	54.2	36.4	232
0.500	6.0	665	19,693	62.1	24.8	181
0.375	5.4	604	20,873	69.6	14.9	122
0.250	5.0	564	22,266	77.8	7.3	67
0.000	4.7	528	23,434	86.8	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	7.7	845	17040	146	51.6	74
40.0	7.8	856	16959	272	48.5	128
30.0	7.8	856	17031	600	40.8	239
23.0	7.3	812	17545	958	30.3	282
19.0	6.9	764	17893	1184	22.9	265
16.0	6.4	717	18784	1368	17.4	233
13.0	6.0	670	19605	1556	12.3	186
10.0	5.5	613	20696	1740	7.8	131
6.5	5.0	566	22196	1965	3.6	69
0.0	4.7	528	23434	2204	0.0	0

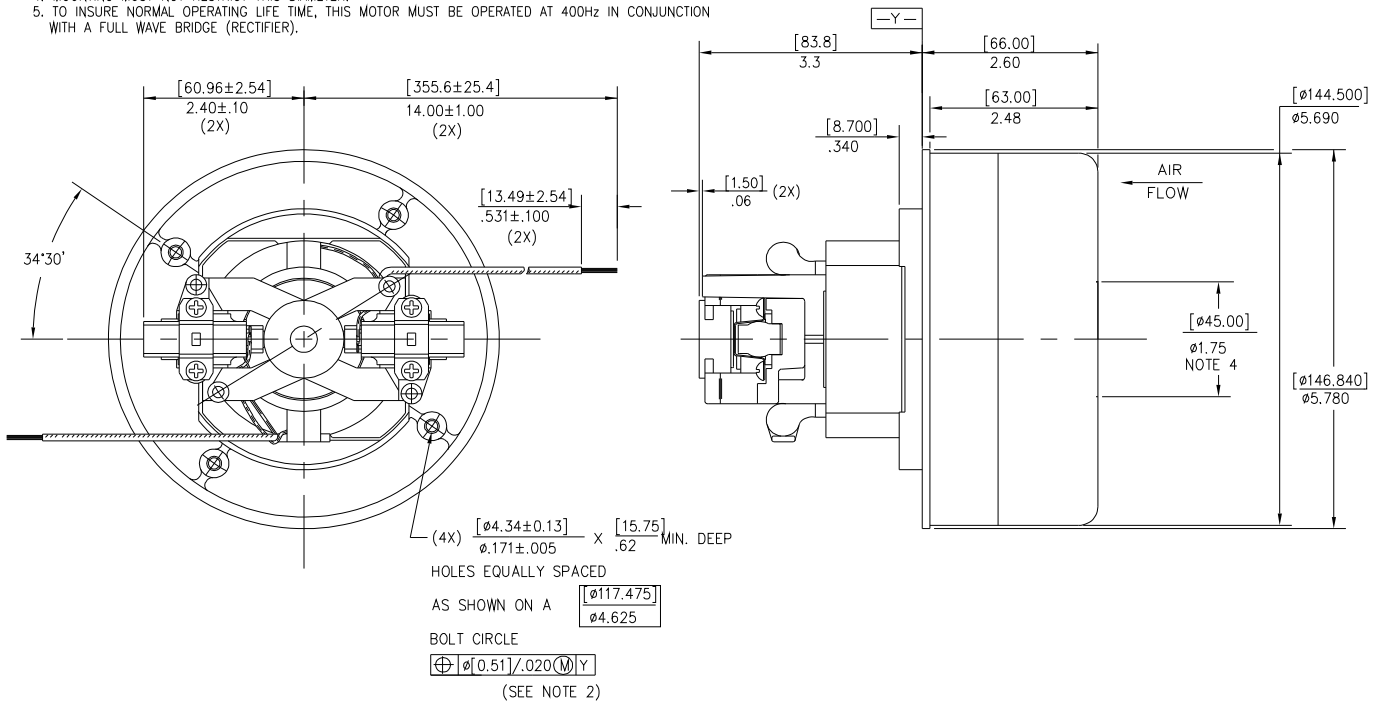
Note: Metric Performance data is calculated from the ASTM data above.

* 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:	120 volts	Minimum Sealed Vacuum:	TBD	ORIFICE:	7/8 "	Minimum Vacuum:	TBD	Maximum Watts:	TBD

DIMENSIONS

NOTES:
1. LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. 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.
3. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE AND COUNTRY OF ORIGIN.
4. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
5. TO INSURE NORMAL OPERATING LIFE TIME, THIS MOTOR MUST BE OPERATED AT 400Hz IN CONJUNCTION WITH A FULL WAVE BRIDGE (RECTIFIER).



IMPORTANT NOTE: *Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.*

WARNING - AMETEK Lamb Electric thru-flow vacuum motors must never be used in applications in which wet or moist conditions are involved, where dry chemicals or other volatile materials are present, or where airflow may be restricted or blocked. Such motors are designed to permit the vacuumed air to pass over the electrical winding to cool it. Thus any foam, liquid (including water), dry chemical, or other foreign substance coming in contact with electrical conductors could cause combustion (depending on volatility) or electrical shock. Failure to observe these precautions could result in property damage and severe personal injury, including death in extreme cases. All applications incorporating Lamb Electric motors should be submitted to Underwriters Laboratories Inc. or other 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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