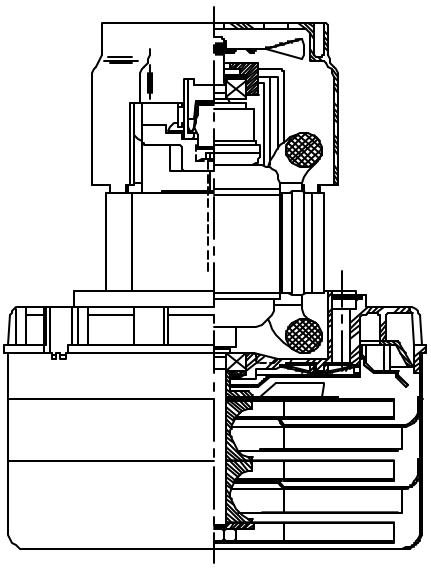
LAMB ELECTRIC

Model: 116764-00
116764-13*

DESCRIPTION
- Three stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- ACUSTEK® low-noise peripheral bypass discharge
- Thermoset fan end bracket
- Aluminum commutator bracket

DESIGN APPLICATION
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

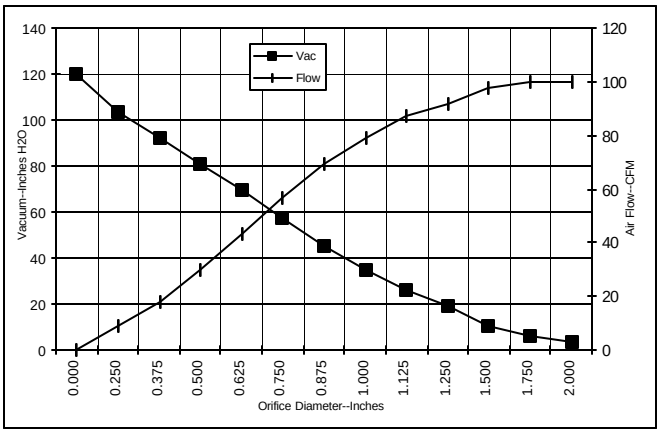


SPECIAL FEATURES
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton-frame design
- ACUSTEK® low-noise design, U.S. Patent #1,417,2000
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

***Model 116764-13 features patented air seal l bearing construction. U.S. Patent #4,088,424 and epoxy painted fan case**

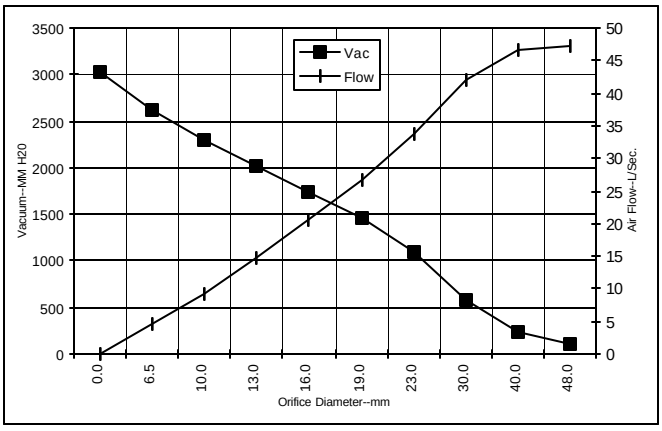
TYPICAL MOTOR PERFORMANCE.* (At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	10.7	1238	17900	3.5	100.0	41
1.750	10.8	1247	17900	6.0	100.0	71
1.500	10.8	1258	17725	10.6	98.0	121
1.250	11.1	1279	17625	19.3	92.0	207
1.125	11.1	1287	17600	26.3	87.0	268
1.000	11.2	1292	17600	35.1	79.0	326
0.875	11.1	1279	17725	45.3	69.0	365
0.750	10.7	1242	18000	57.3	57.0	382
0.625	10.1	1180	18600	69.3	43.0	353
0.500	9.4	1102	19375	80.9	30.0	285
0.375	8.4	988	20400	92.4	18.0	196
0.250	7.5	888	21475	103.3	9.0	103
0.000	6.8	805	22275	119.6	0.0	0

METRIC DATA



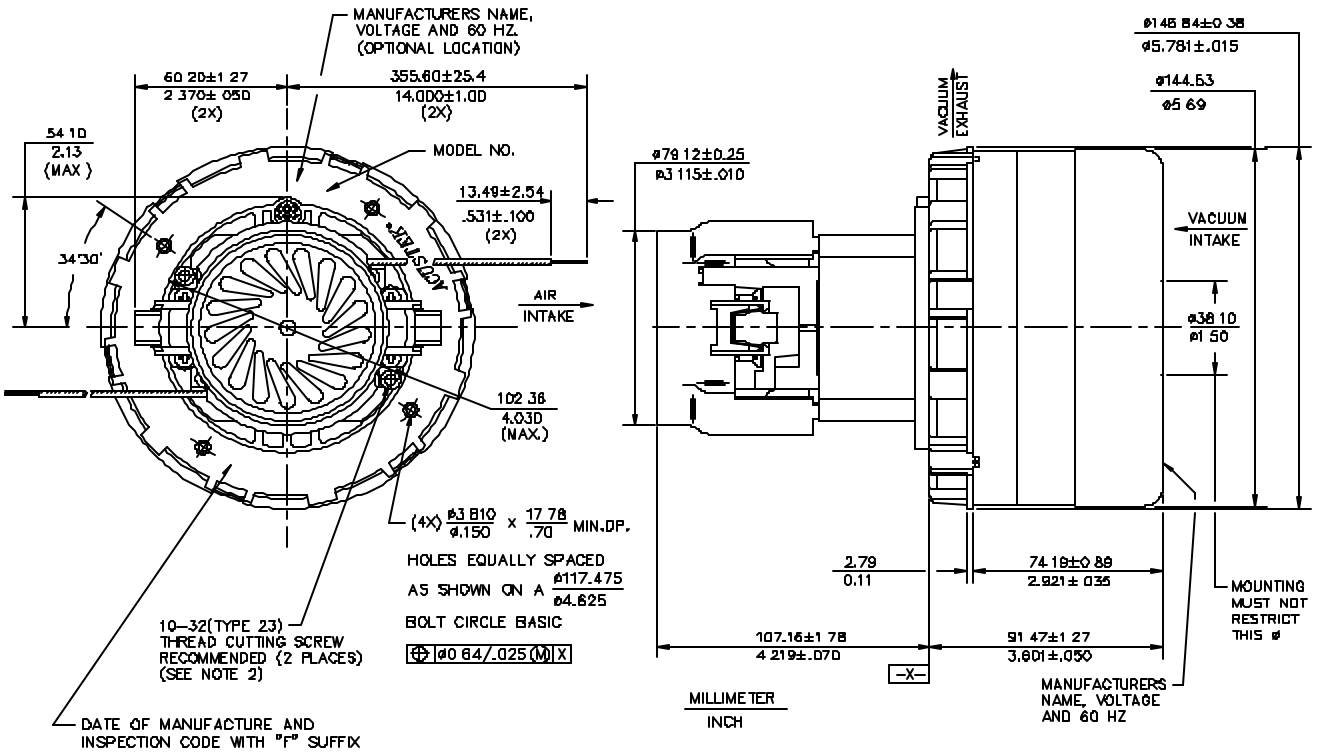
Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	10.7	1242	17900	117	47.2	54
40.0	10.8	1255	17778	234	46.5	106
30.0	11.1	1283	17611	588	42.1	241
23.0	11.1	1282	17694	1086	33.7	355
19.0	10.7	1241	18012	1462	26.8	381
16.0	10.1	1182	18576	1748	20.6	354
13.0	9.5	1110	19298	2025	14.8	292
10.0	8.6	1005	20246	2303	9.3	209
6.5	7.5	893	21421	2610	4.5	108
0.0	6.8	805	22275	3038	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 variat

Test Specs:	120 volts	**Minimum Sealed Vacuum:**	112.0"	**ORIFICE:**	7/8 "	**Minimum Vacuum:**	40.0"	**Maximum Watts:**	1420

DIMENSIONS



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

WARNING - When using AMETEK Lamb Electric 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. Lamb Electric 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 shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating Lamb Electric motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK/Lamb Electric Division
627 Lake Street
Kent, Ohio 44240
U.S.A.
Tel: (330) 673-3451
Fax: (330) 673-8994

Ametek GmbH
Weilimdorfer Str. 47
D-70825 Korntal-Munchingen
Germany
Phone: + 49-711-838-7876
Fax: + 49-711-838-7862

AMETEK/Singapore Private Limited
10 Ang Mo Kio Street 65
 # 05-12 Techpoint
Singapore 2056
Tel: + 65-484-2388
Fax: + 65-481-6588

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