

AMETEK

**LAMB®
VACUUM
MOTORS,
BLOWERS**
MODEL 116448-00

**technical
bulletin**

VB5726448-00

Issued: 2/84

Supersedes: New

TEMPORARY R - 1

DESCRIPTION

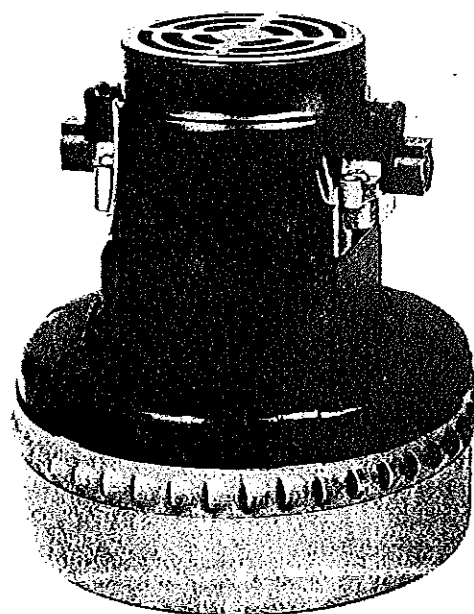
TYPE: Two Stage, Single Speed, Bypass, 5.7" Diameter, 120 Volts, Double Ball Bearings.

DESIGN APPLICATION: Equipment operating in environments which require separation of working air from motor ventilating air. Designed to handle clean air only. For additional application information, write for Bulletin 2-VBG-001.

SPECIAL FEATURES:

- Component recognized by Underwriters Laboratories, Inc. (U.L.) and Canadian Standards Association (CSA)
- Provision for grounding
- Plastic fan-end bracket
- Open frame construction

The Lamb vacuum motor line offers a wide range of performance levels to meet design needs.



TYPICAL MOTOR PERFORMANCE*

(At 120 volts, 60 Hz, test data is corrected to standard conditions of 29.92 inches Hg, 68°F)

ORIFICE DIAMETER	AMPS	WATTS	RPM	VACUUM (INCHES H.O.)	AIR FLOW (CFM)	AIR WATTS	OVERALL EFFICIENCY %
2	8.9	1051	19211	3.6	101	43	4.1
1 3/4	9.0	1053	19137	6.0	100	71	6.7
1 1/2	9.0	1057	19108	10.5	97	120	11.4
1 1/4	9.1	1066	19040	19.1	91	205	19.2
1 1/8	9.1	1067	19018	25.1	85	250	23.4
1	9.0	1060	19067	33.5	77	304	28.6
7/8	8.9	1043	19246	42.5	67	332	31.9
3/4	8.5	1007	19618	52.1	54	332	33.0
5/8	8.1	956	20158	60.3	41	287	30.0
1/2	7.4	887	20973	68.1	28	220	24.8
3/8	6.8	817	21890	75.0	16	143	17.5
1/4	6.3	754	22873	82.2	8	73	9.7
Sealed	5.9	712	23716	93.2			

*The performance data specified represents a typical or average motor. If data is required to establish acceptance specifications, contact the factory.

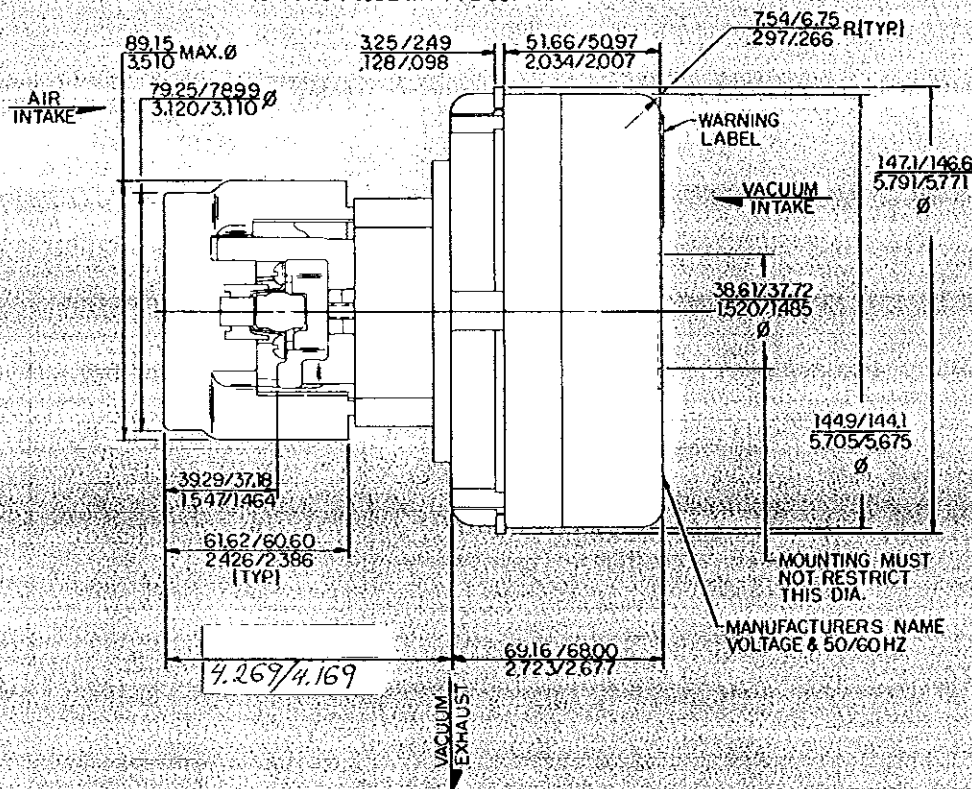
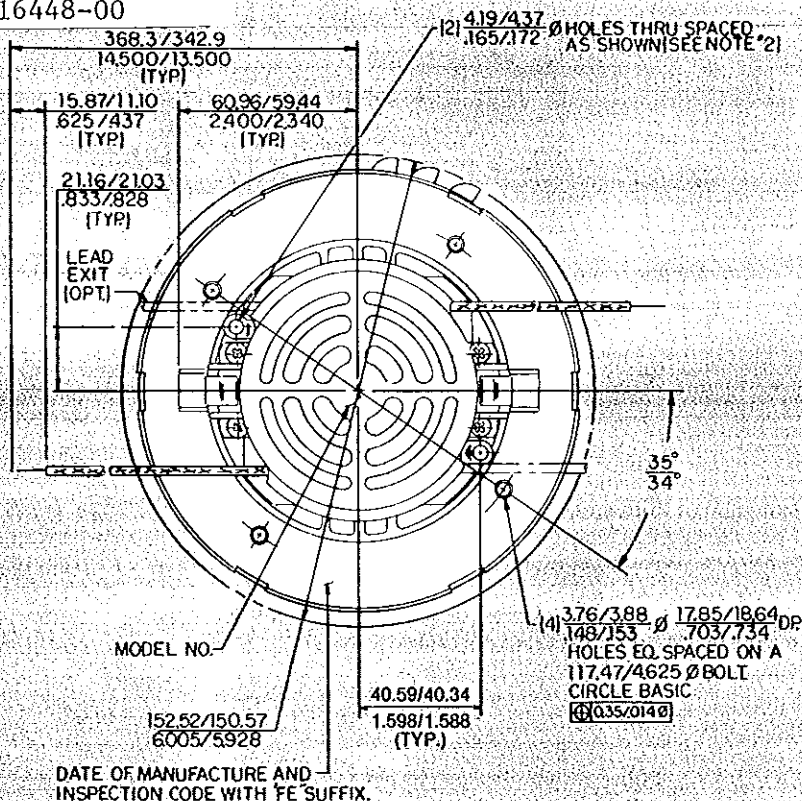
DIMENSIONS MODEL 116448-00

NOTES:

1. Leads—#18 ga. stranded, 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.

MM
INCH



WARNING—When using AMETEK, Inc., Lamb Electric bypass 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. Lamb 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 combustion (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 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

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