

# AMETEK

LAMB®  
VACUUM  
MOTORS,  
BLOWERS  
MODEL D1-115909

# technical bulletin

VG572-5909

Issued: 6/16/80

Supersedes: New

## 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:

- Double Insulated
- Component recognized by Underwriters Laboratories, Inc. (U.L.)
- Plastic fan-end bracket
- Open frame construction
- Epoxy painted fan case to improve corrosion resistance
- Patented air seal bearing protection (U.S. Patent #4,088,424)
- Tangential Discharge

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.)

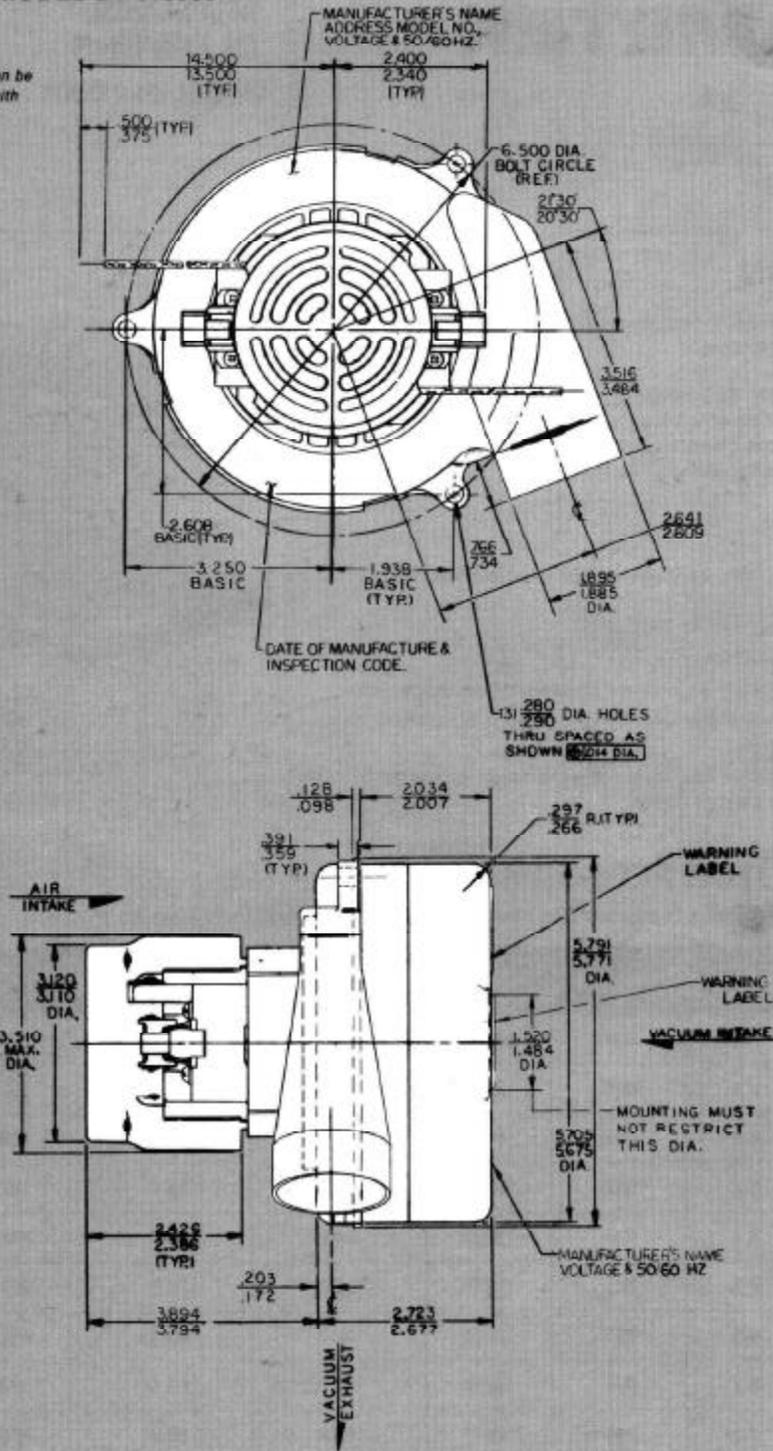
ORIFICE DIAMETER	AMPS	WATTS	RPM	VACUUM (INCHES H <sub>2</sub> O)	AIR FLOW (CFM)	AIR WATTS	OVERALL EFFICIENCY %
2"	8.5	966	18800	3.3	97.3	38	3.9
1¾"	8.6	975	18725	5.6	96.8	64	6.5
1½"	8.6	979	18700	9.8	94.3	109	11.2
1¼"	8.7	987	18600	17.9	88.4	187	18.9
1⅜"	8.7	987	18625	24.2	83.0	236	23.9
1"	8.7	985	18675	31.7	75.2	281	28.5
⅞"	8.5	968	18850	40.7	65.2	312	32.2
¾"	8.2	933	19225	50.0	53.1	313	33.5
⅝"	7.8	887	19875	58.6	39.9	275	31.0
½"	7.2	824	20700	65.7	27.0	209	25.3
⅜"	6.6	761	21700	73.1	16.0	138	18.1
¼"	6.0	697	22775	80.5	7.5	71	10.2
SEALED	5.5	646	23650	92.7			

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

# DIMENSIONS MODEL D1-115909

**NOTES:**

1. Leads—#18 ga. stranded, leads can be any color except green or green with yellow stripe.



**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 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 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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