AMETEK

LAMB® VACUUM MOTORS, BLOWERS

MODEL 115218

technical bulletin

2-VB753-5218

Issued: 4/1/77
Supersedes: New

DESCRIPTION

TYPE: Three Stage, Single Speed, Bypass, 120 Volt.

DESIGN APPLICATION: Equipment operating in environments which require separation of working air from motor ventilating air. Designed to handle clean air only. Suitable for heavy duty industrial applications. For additional application information, write for Bulletin 2-VBG-000.

SPECIAL FEATURES:

- Component recognized by Underwriters Laboratories Inc.
- Open frame construction.
- Provision for grounding.
- Double ball bearing, heavy duty construction.
- Compound brush system.
- Designed for high airflow at large orifices.
- Epoxy coated fan system.

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

TYPICAL CHARACTERISTICS*

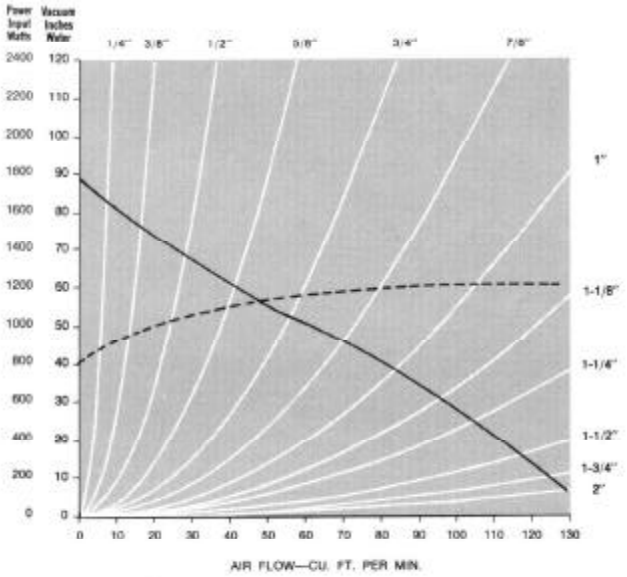
(Not to be used for setting specifications)

@ 120 VOLTS—60 HERTZ Standard Conditions: 29.92 Inches Hg. 68°F		MODEL NUMBER 115218
Sealed	Vacuum (Inches H_2O) Volume (CFM) Power (Watts) Current (Amps) Speed (RPM)	88.0 0 780 7.3 15,000
⅞" Orifice	Vacuum (Inches H_2O) Volume (CFM) Power (Watts) Current (Amps) Speed (RPM)	45.0 68.0 1160 10.7 11,900
1¼" Orifice	Vacuum (Inches H_2O) Volume (CFM) Power (Watts) Current (Amps) Speed (RPM)	24.0 102.0 1180 11.0 11,600
2" Orifice	Vacuum (Inches H_2O) Volume (CFM) Power (Watts) Current (Amps) Speed (RPM)	5.7 128.0 1150 10.6 11,900

MOTOR PERFORMANCE*

Average test data corrected to standard barometer of 29.92 in. Hg. and 68°F.

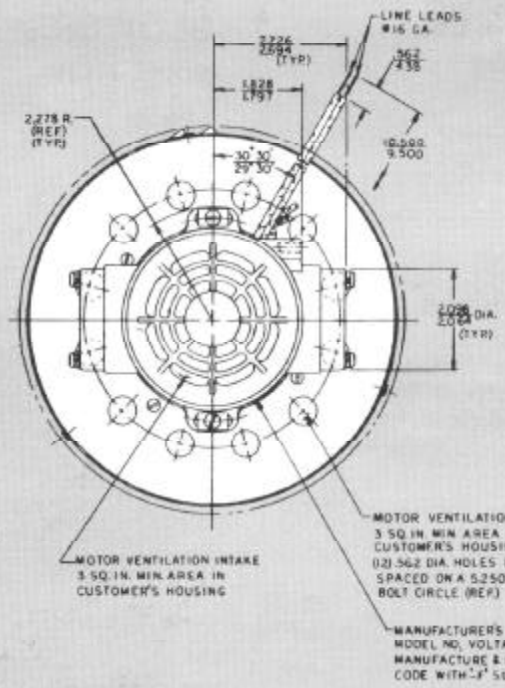
LEGEND
Watts - - - - - - - - -
Vacuum ———

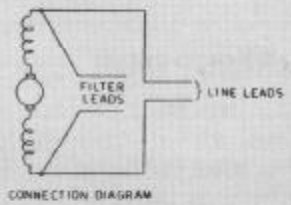


Note: *Curves marked with fractional inch designations indicate air flow and vacuum through sharp-edged thin plate test orifices of diameter indicated.*

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

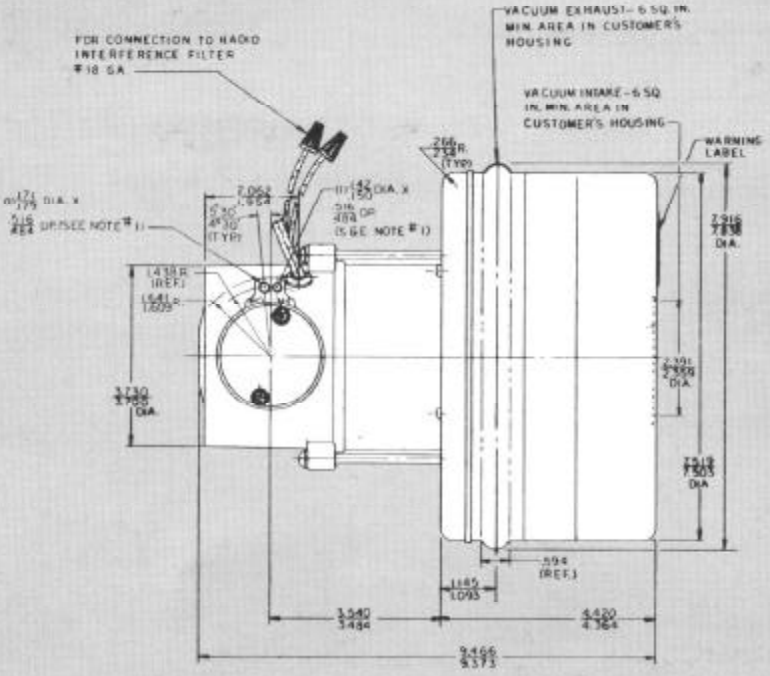
DIMENSIONS— MODEL 115218





NOTE:

1. *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.*



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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