

AMETEK

**LAMB®
VACUUM
MOTORS,
BLOWERS
MODEL 115826**

technical bulletin

VT572-5826

Issued: 10/1/82

Supersedes: 11/15/76

DESCRIPTION

TYPE: Two Stage, Single Speed, Thru-Flow, 5.7" Diameter, 120 Volts, One Ball/One Sleeve Bearing.

DESIGN APPLICATION: Canister-type vacuum cleaners. Equipment not requiring separation of working air from motor ventilating air. Designed to handle clean, dry, filtered air only. For additional application information, write for Bulletin 2-VT570-001.

SPECIAL FEATURES:

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

All 5.7" diameter thru-flow motors feature face mounting interchangeability. 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"	8.8	1016	19875	3.8	104	47	4.7
1¾"	8.8	1024	19800	6.5	104	79	7.8
1½"	8.9	1036	19700	11.2	100	132	12.8
1¼"	9.0	1045	19600	19.2	91	205	19.7
1⅓"	9.0	1045	19600	25.3	85	245	23.4
1"	9.0	1038	19600	33.1	76	299	28.8
¾"	8.8	1020	19975	41.7	65	323	31.7
⅝"	8.4	975	20400	51.1	53	322	33.1
⅜"	7.8	913	21100	61.0	40	291	31.9
½"	7.1	841	22050	70.3	28	232	27.5
⅜"	6.5	765	23250	79.9	16	158	20.6
¼"	5.8	692	24700	90.4	7	84	12.2
SEALED	5.4	642	25800	100.0			

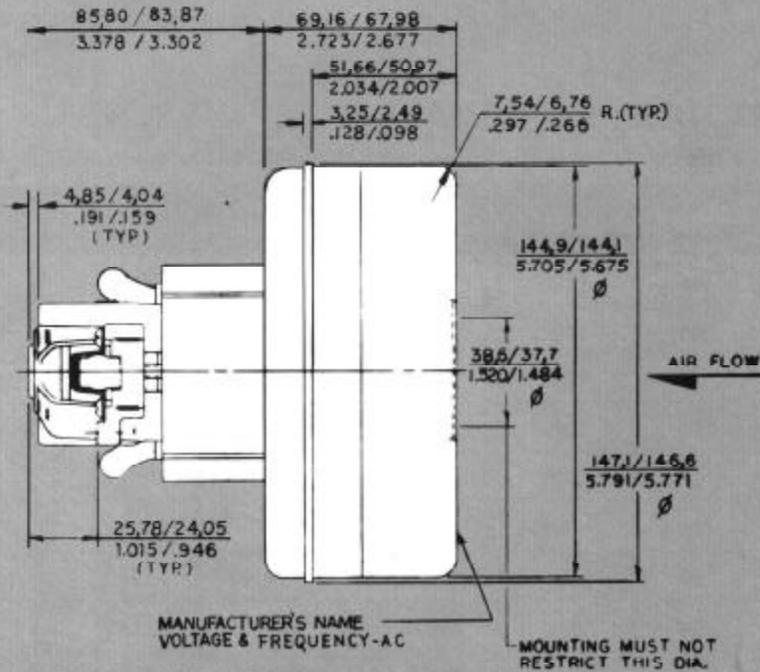
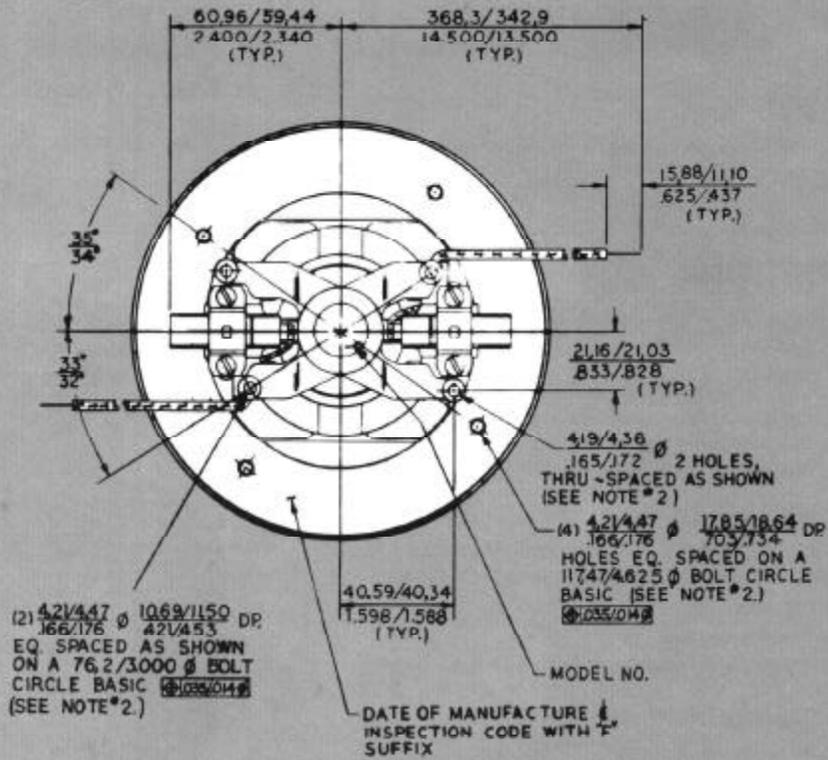
*The performance data specified represents a typical or average motor. If data is required to establish acceptance specifications, contact the factory.

DIMENSIONS MODEL 115826

MM
INCH

NOTES:

1. Leads—#18 ga. 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.



WARNING—AMETEK, Inc. 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 will come in contact with electrical conductors which 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 motors should be submitted to Underwriters Laboratories, Inc. or other appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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