



LAMB®  
VACUUM  
MOTORS,  
BLOWERS  
MODEL 115717

**technical  
bulletin**

VT571-5717  
Issued: 10/1/82  
Supersedes: New

## DESCRIPTION

TYPE: One 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 <sub>2</sub> O)	AIR FLOW (CFM)	AIR WATTS	OVERALL EFFICIENCY %
2"	6.4	744	19875	4.0	107	51	6.9
1 3/4"	6.4	748	19800	6.4	104	78	10.5
1 1/2"	6.4	749	19675	10.3	96	116	15.5
1 1/4"	6.4	745	19725	16.1	83	158	21.2
1 1/8"	6.3	732	19925	19.6	74	172	23.5
1"	6.1	716	20225	23.3	64	177	24.7
3/4"	5.9	686	20650	27.5	53	173	25.2
5/8"	5.7	658	21250	32.1	42	161	24.4
1/2"	5.3	616	22050	32.7	31	139	22.6
1/2"	5.0	584	22925	41.8	21	106	18.1
3/8"	4.7	539	23900	46.7	12	70	13.1
1/4"	4.4	506	24875	51.2	6	35	7.1
SEALED	4.2	488	25600	57.4			

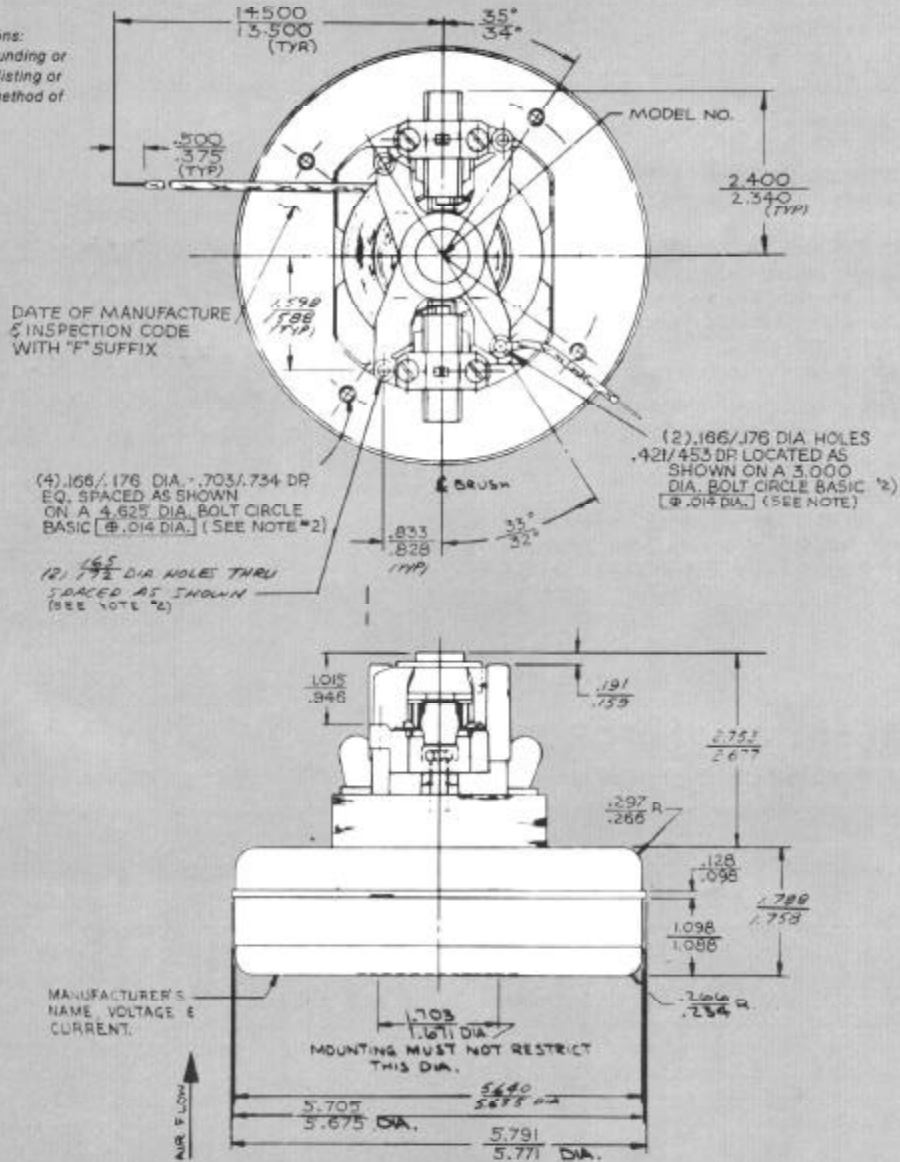
\*The performance data specified represents a typical or average motor. If data is required to establish acceptance specifications, contact the factory.

# DIMENSIONS MODEL 115717

(IN INCHES)

**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.

**AMETEK**

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