

AMETEK

LAMB®
VACUUM
MOTORS,
BLOWERS

MODEL 115991

technical bulletin

(Temporary)
2-VG722-5991

DESCRIPTION

Two Stage, Single Speed, Bypass, Tangential Discharge, 120 Volt

TYPICAL MOTOR PERFORMANCE*

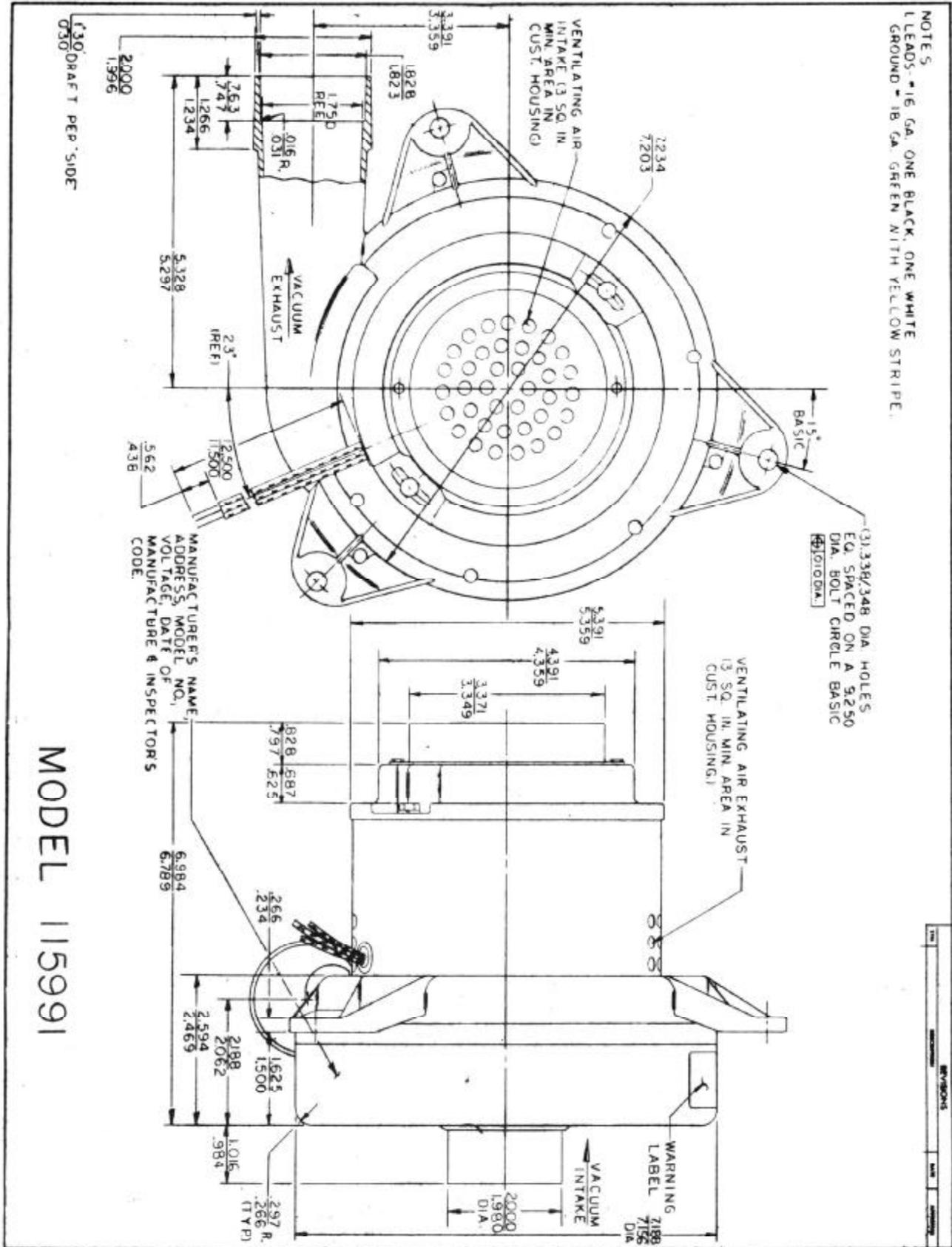
At 120 volts, 60 Hz, test data corrected to standard conditions of 29.92" Hg. and 68°F.

ORIFICE DIA.	AMPS.	WATTS	CORR. WATTS		R. P. M.	VACUUM-IN. WATER		VOLUME C. F. M.	AIR WATTS	OVERALL EFF.-%
			for motor loss	to std. density		as Read	Corr.			
2"	12.7	1380		1405	16200	3.8	3.9	105.4	48.3	3.4
1-3/4	12.7	1380		1405	16300	6.1	6.2	101.8	74.2	5.2
1-1/2	12.7	1380		1405	16400	10.7	11.0	99.4	128.6	9.1
1-1/4	12.6	1378		1403	16400	18.9	19.4	92.0	210.0	14.9
1-1/8	12.6	1370		1395	16500	26.0	26.8	87.4	275.8	19.7
1	12.4	1356		1380	16600	34.7	35.7	79.6	335.0	24.2
3/4	12.2	1330		1354	16800	45.1	46.4	69.4	378.8	27.9
3/4	11.7	1290		1313	17200	56.5	58.2	57.2	391.7	29.8
5/8	11.0	1230		1252	17600	68.0	70.1	43.5	359.0	28.6
1/2	10.3	1150		1170	18400	77.9	80.3	29.9	282.4	24.1
3/8	9.5	1064		1082	19200	87.0	89.6	17.7	159.4	14.7
1/4	8.7	980		996	20200	94.8	97.7	8.2	94.8	9.5
Sealed Hot**	8.2	930		945	21100	104.0	107.2			
Sealed Cold**	8.3	936		951	21000	106.8	110.1			

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

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.

NOTES
 1 LEADS - #16 GA. ONE BLACK, ONE WHITE
 GROUND - 18 GA. GREEN WITH YELLOW STRIPE.



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