

25BP/240/1400W



AMETEK MOTORS SHANGHAI
JIU TING 201615

VACUUM-AIRFLOW PERFORMANCE DATA
ASTM F558

Test Number	BT-0951	ESDI No 27698	Date	2011-3-21
Cleaner S.N.		Cleaner	File	1782
Motor Model	122326-00(E-14776-2)	Voltage 240	Frequency	50 HZ
Motor Number	6	Commutator	Fixture	F-11-4
Armature		Field	Stack	

STANDARD BOX TEST

Results at standard conditions

ORIFICE DIA., In.	CURRENT AMPERS	IN. PWR WATT, P1	SPEED RPM	VACUUM in. H2O	VACUUM mBarS	AIRFLOW Q, CFM	AIR PWR WATTS, P2	EFFIC. (%)
2	6.07	1391	21440	4.2	10.4	106.7	52	3.7
1 3/4	6.10	1397	21440	7.3	18.1	107.2	91	6.5
1 1/2	6.14	1409	21340	13.0	32.2	103.6	158	11.2
1 1/4	6.22	1425	21140	23.4	58.3	96.7	266	18.7
1 1/8	6.24	1428	21140	31.4	78.1	90.5	334	23.4
1	6.22	1424	21240	40.9	101.6	81.2	390	27.4
7/8	6.11	1400	21340	51.2	127.4	69.6	419	29.9
3/4	5.87	1344	21740	62.2	154.7	56.1	410	30.5
5/8	5.57	1280	22440	71.6	178.0	41.7	350	27.3
1/2	5.16	1187	23340	80.4	200.1	28.2	266	22.4
3/8	4.70	1089	24340	90.0	223.8	16.8	177	16.3
1/4	4.28	996	25540	99.5	247.4	8.2	96	9.6
Sealed								
Hot **	3.93	919	26550	112.4	279.6			
Sealed								
cool *	3.88	904	26550	112.9	280.9			

**Sealed reading taken immediately after above series of tests.

*Sealed reading taken after run-in but before above series.

Voltmeter MAG

Ammeter MAG

Wattermeter MAG

Correction Factors for standard Air Density

(68?, 30% RH, 29.92 In.Hg)n

Lab.Temp 69.8°F 21.0°C

Abs. Bar. Press. 30.18 In.Hg

Rel.Hum. 38%

Altitude

100m

Air Density Ratio

1.005

Correction Factors:

watts/Amp.

0.997

Speed

1.002

Vacuum

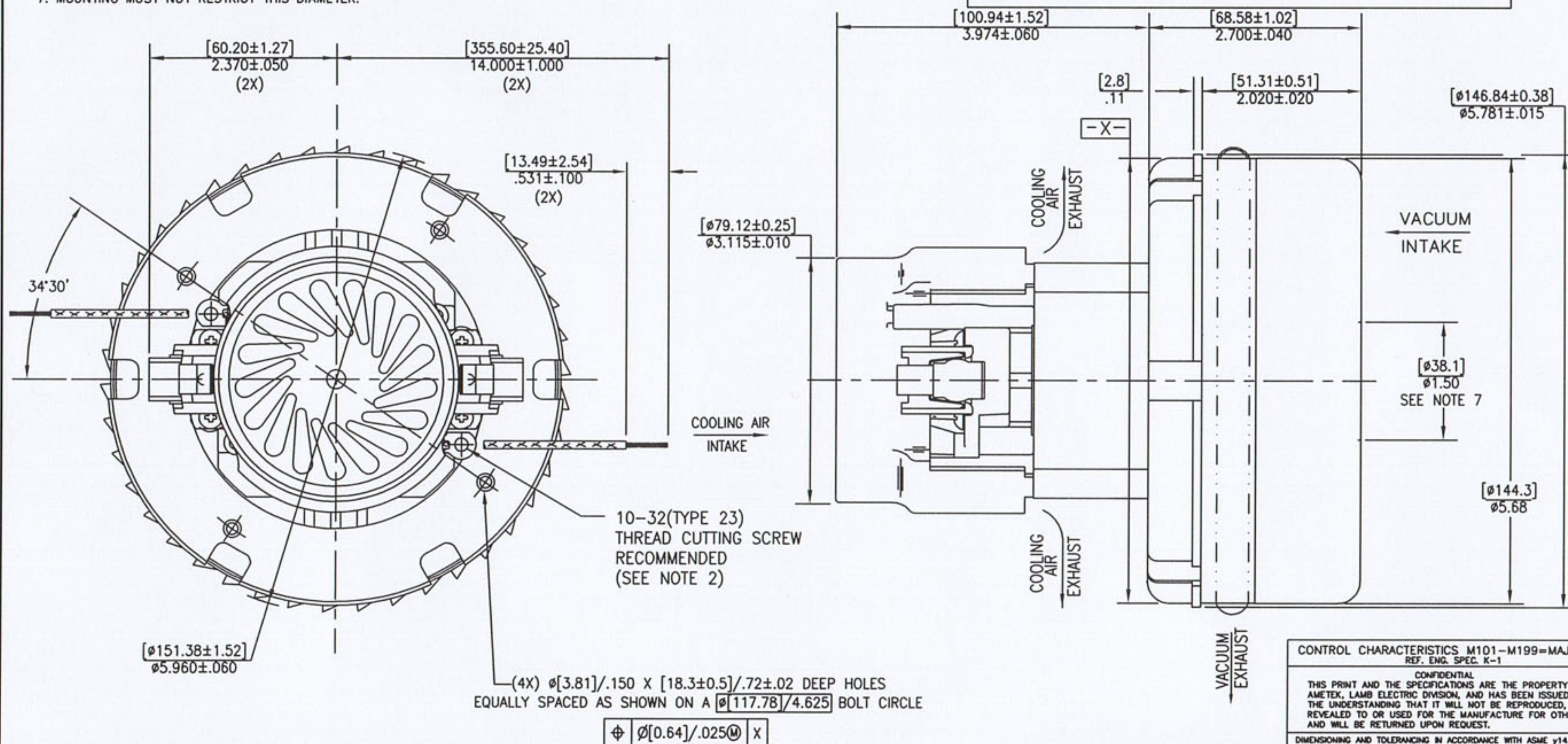
0.996

Tested using AIRENGQB On RM1VOL3 /2993

Operator: ANDY

1. LEADS: 18GA 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.
3. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION "ONE OR MORE OF THE FOLLOWING PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835". AND COUNTRY OF ORIGIN.
4. ALLOW [0.0016 SQ M]/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPERATED FROM COOLING AIR EXHAUST.
6. VACUUM EXHAUST MUST BE SEPERATED FROM COOLING EXHAUST.
7. MOUNTING MUST NOT RESTRICT THIS DIAMETER.

MODEL RESERVED:122326-00-0
PENDING MODEL RELEASE



LAMB ELECTRIC DIVISION
KENT, OHIO 44240

D1
JV
MR