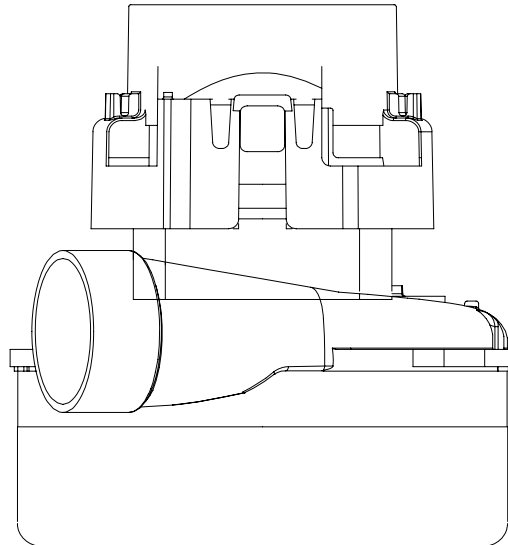


**DESCRIPTION**

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Thermoset comm-end bracket
- Aluminum Fan-end bracket

**DESIGN APPLICATION**

- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only



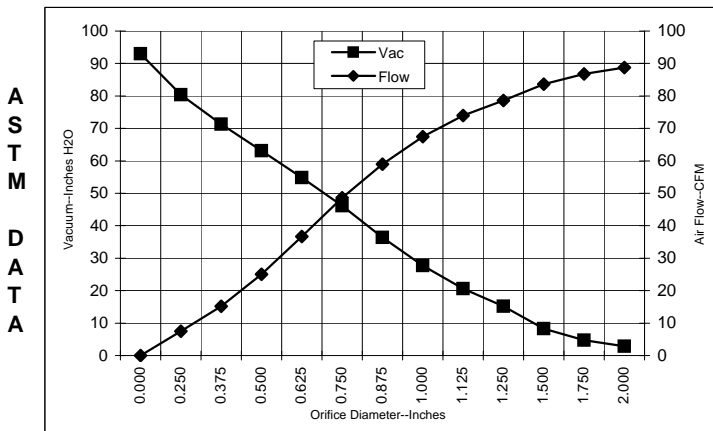
**SPECIAL FEATURES**

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA Certified, MC# 168884, Class 1611-30
- Provision for grounding
- Skeleton-frame design
- Patented "air seal" bearing protection, U.S. Patent #4,088,424
- Aluminum fan end bracket designed to dampen vibration and improve durability

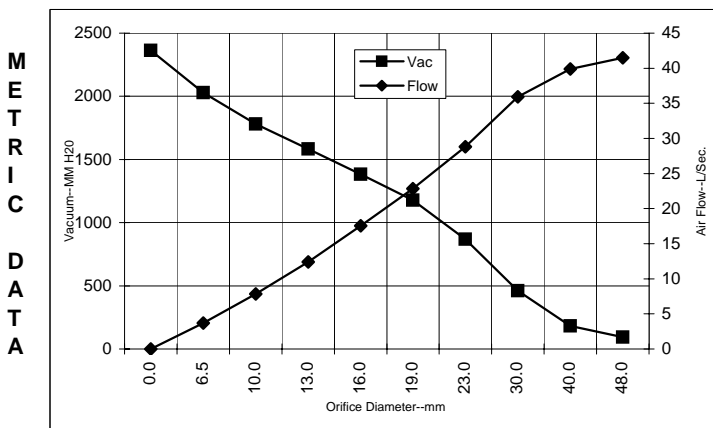
-The GS vacuum motor line offers a wide range of performance levels to meet design needs

**TYPICAL MOTOR PERFORMANCE.\***

(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	8.2	931	17750	2.9	88.7	30
1.750	8.1	929	17750	4.7	86.8	48
1.500	8.1	925	17740	8.3	83.6	82
1.250	8.1	922	17740	15.2	78.6	140
1.125	8.1	917	17750	20.6	74.0	179
1.000	8.0	906	17940	27.7	67.5	220
0.875	7.8	886	18140	36.4	58.9	252
0.750	7.5	856	18540	46.2	48.6	264
0.625	7.1	810	19330	54.8	36.7	237
0.500	6.6	754	20120	63.1	25.1	186
0.375	6.0	698	21110	71.3	15.1	127
0.250	5.5	642	22100	80.4	7.5	71
0.000	5.1	593	23290	93.0	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	8.2	930	17750	93	41.5	38
40.0	8.1	926	17743	184	39.9	72
30.0	8.1	919	17746	461	35.9	162
23.0	7.8	891	18090	869	28.8	244
19.0	7.5	855	18556	1178	22.8	264
16.0	7.1	812	19298	1384	17.5	238
13.0	6.6	760	20041	1582	12.4	191
10.0	6.1	706	20962	1780	7.9	136
6.5	5.6	645	22051	2030	3.7	73
0.0	5.1	593	23290	2362	0.0	0

Note: Metric performance data is calculated from the ASTM data above.

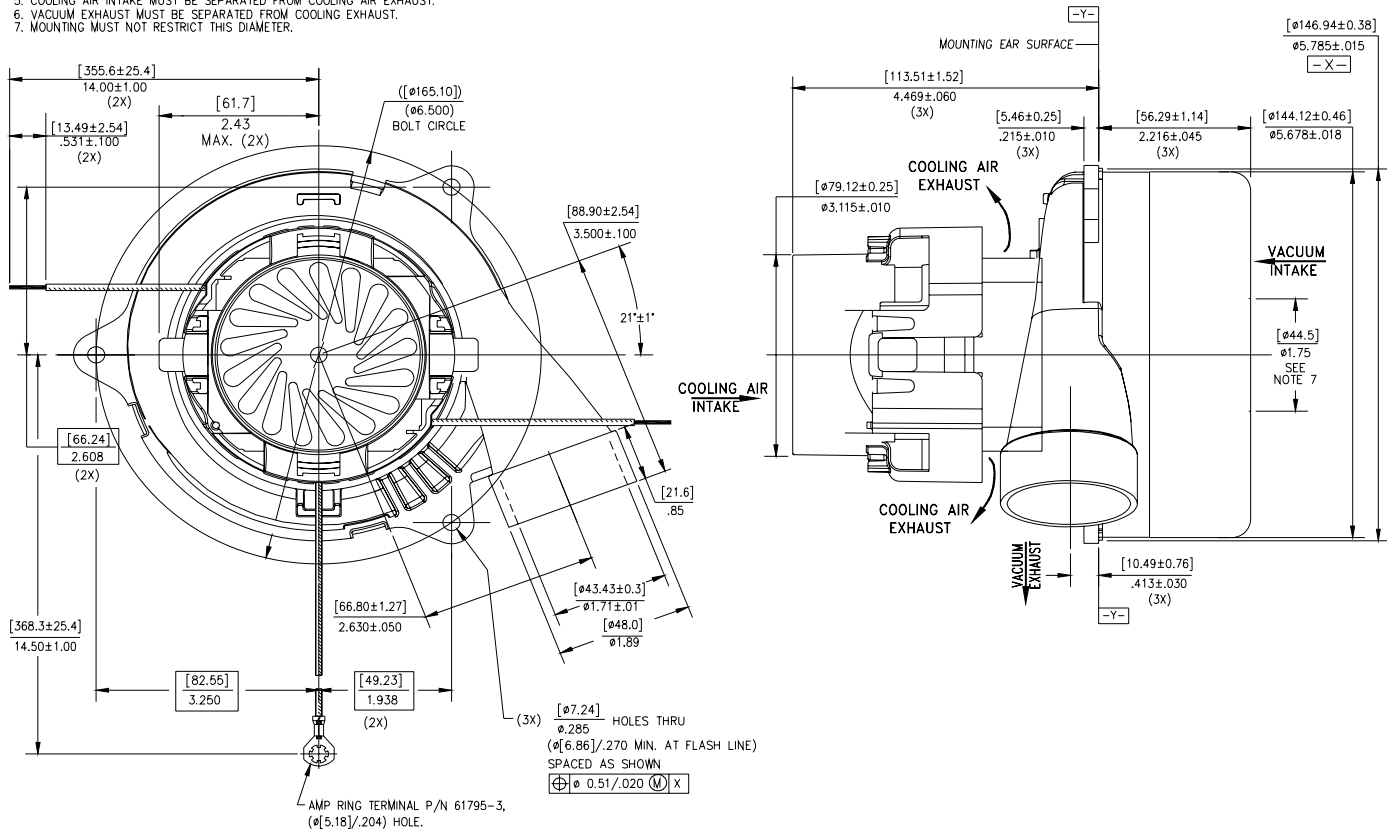
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	120 volts	<b>Minimum Sealed Vacuum:</b>	81.0"	<b>ORIFICE:</b>	7/8 "	<b>Minimum Vacuum:</b>	33.0"	<b>Maximum Watts:</b>	965
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**DIMENSIONS**

NOTES:

1. POWER LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. GROUND LEAD: 18 GA. STRANDED; COLOR: GREEN WITH YELLOW STRIPE.
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; 5736806; 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 SEPARATED FROM COOLING AIR EXHAUST.
6. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING AIR EXHAUST.
7. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



**IMPORTANT NOTE:** Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

**WARNING** - AMETEK Global Motor Division 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 coming in contact with electrical conductors 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 Ametek commercial 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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