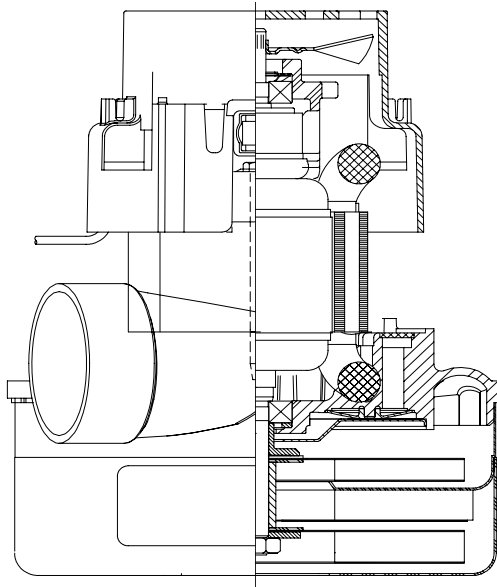


DESCRIPTION

- Two stage
- 240 volts
- 5.7" / 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum fan end bracket
- Thermoset commutator bracket

DESIGN APPLICATION

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

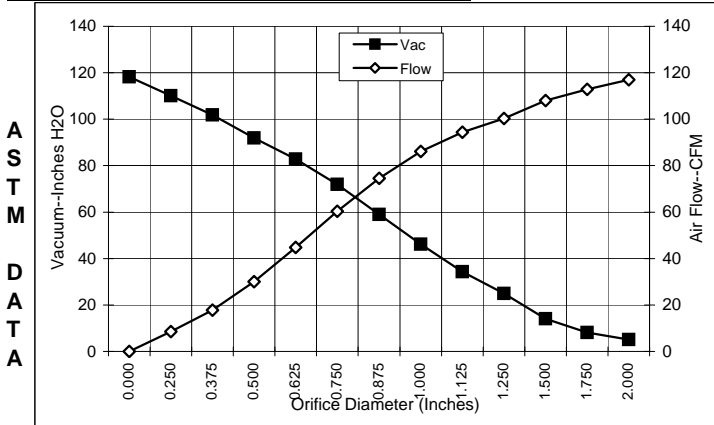


SPECIAL FEATURES

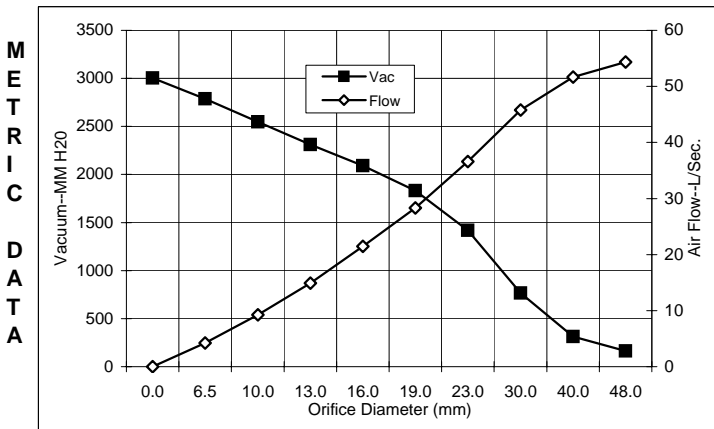
- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA Certified, MC# 168884, Class 1611-30
- Provision for grounding
- Skeleton frame design
- Robust Commutator
- Large Face Carbon Brushes
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The GS vacuum motors offer a range of performance levels to meet design needs.

TYPICAL MOTOR PERFORMANCE.*

(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	7.0	1607	23480	5.1	117.0	69
1.750	7.0	1606	23480	8.1	112.8	107
1.500	6.9	1597	23580	14.1	108.1	179
1.250	6.9	1589	23480	25.0	100.3	297
1.125	6.9	1581	23580	34.3	94.4	381
1.000	6.8	1566	23680	46.2	86.1	466
0.875	6.7	1542	23880	59.0	74.6	517
0.750	6.4	1482	24380	71.9	60.3	509
0.625	6.0	1396	25080	82.8	44.8	436
0.500	5.6	1293	25870	91.9	30.1	325
0.375	5.1	1192	27070	101.8	17.8	213
0.250	4.6	1096	28060	110.1	8.5	110
0.000	4.3	1026	29160	118.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	7.0	1607	23480	163	54.4	86
40.0	6.9	1600	23550	312	51.7	157
30.0	6.9	1585	23535	765	45.8	343
23.0	6.7	1548	23830	1417	36.6	504
19.0	6.4	1480	24394	1832	28.3	508
16.0	6.0	1399	25052	2092	21.4	439
13.0	5.6	1303	25791	2311	14.9	336
10.0	5.2	1207	26890	2548	9.3	230
6.5	4.7	1101	28011	2786	4.2	115
0.0	4.3	1026	29160	3002	0.0	0

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

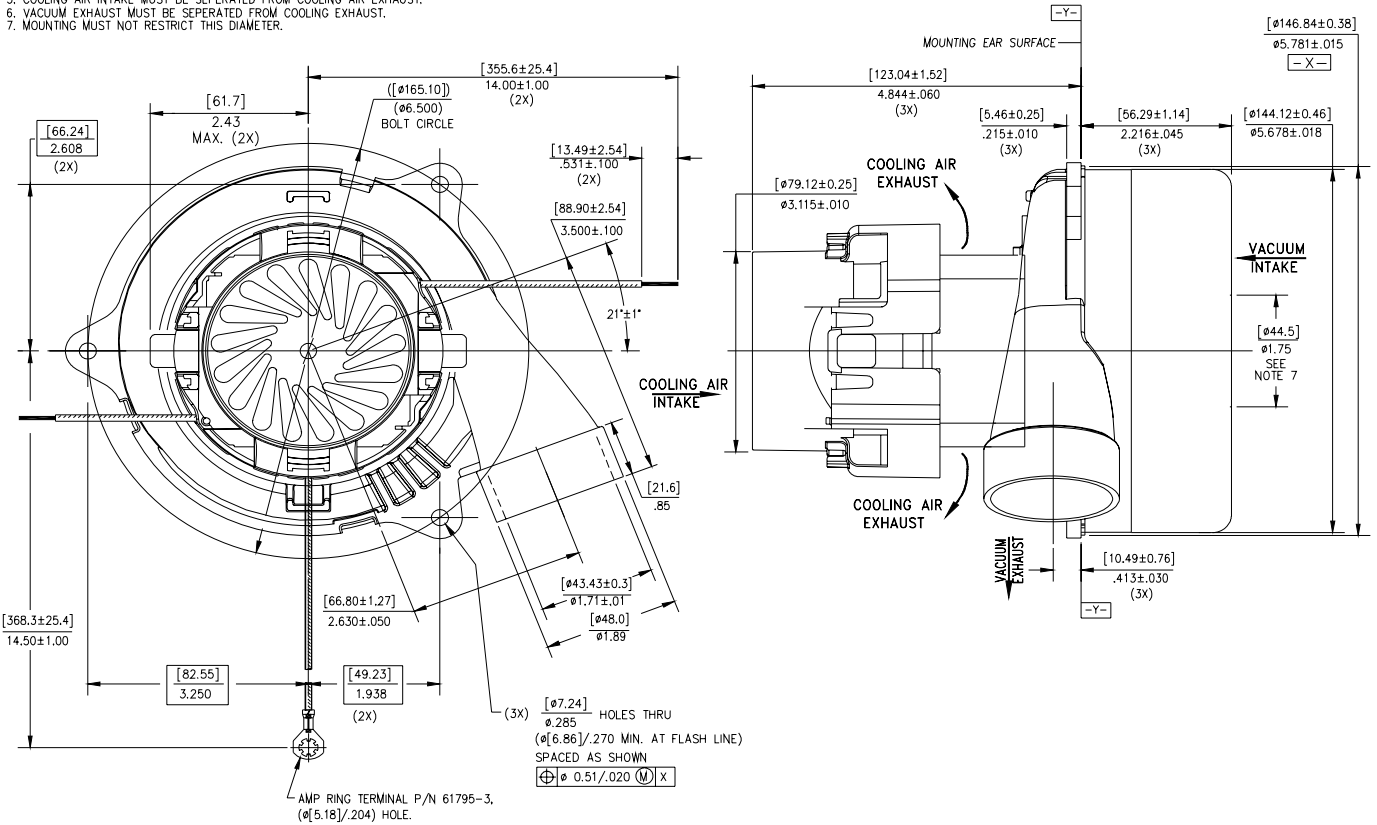
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	240 Volts	Minimum Sealed Vacuum:	110.0	ORIFICE:	7/8"	Minimum Vacuum:	54.0	Maximum Watts:	1670
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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, INSPECTOR'S 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 MADE IN THE USA.
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.



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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