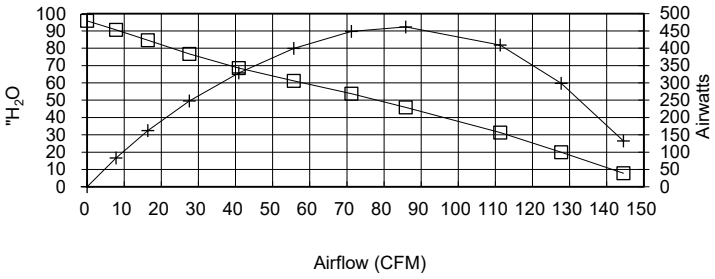
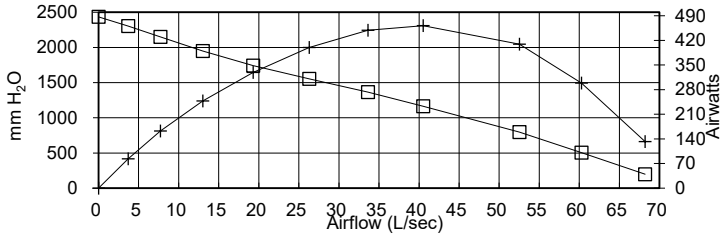
Date Last Modified: 2/12/2008

6500-318
AIRFLOW PERFORMANCE

Volts = 120



ORIFICE (Inches)	SUCTION ("H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION ("H_2O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	**7.47**	**1276**	**11.1**	**25,854**	7.8	144.5	1321	132.51	0.178	10.03
1.5	**19.05**	**1289**	**11.2**	**25,947**	19.9	127.7	1334	298.72	0.400	22.39
1.25	**29.93**	**1284**	**11.2**	**26,054**	31.3	111.3	1329	409.12	0.548	30.78
1	**43.80**	**1242**	**10.8**	**26,728**	45.8	85.8	1285	461.70	0.619	35.92
0.875	**51.32**	**1200**	**10.4**	**27,210**	53.7	71.2	1242	448.76	0.602	36.14
0.75	**58.43**	**1141**	**9.9**	**28,039**	61.2	55.7	1181	399.58	0.536	33.84
0.625	**65.56**	**1070**	**9.2**	**29,033**	68.6	40.8	1108	328.92	0.441	29.69
0.5	**73.29**	**992**	**8.5**	**30,445**	76.7	27.5	1026	247.97	0.332	24.16
0.375	**80.84**	**905**	**7.7**	**31,848**	84.6	16.3	937	162.30	0.218	17.33
0.25	**86.65**	**839**	**7.2**	**33,317**	90.7	7.8	869	83.20	0.112	9.58
0	**91.55**	**805**	**6.9**	**34,133**	95.8	0.0	833	0.00	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **465.07**									

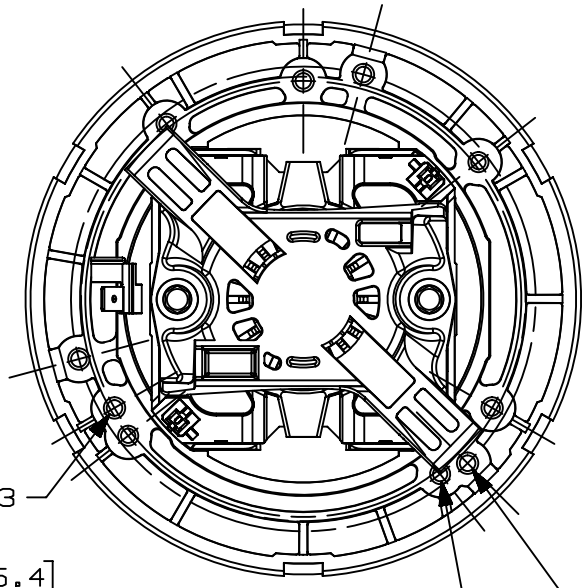


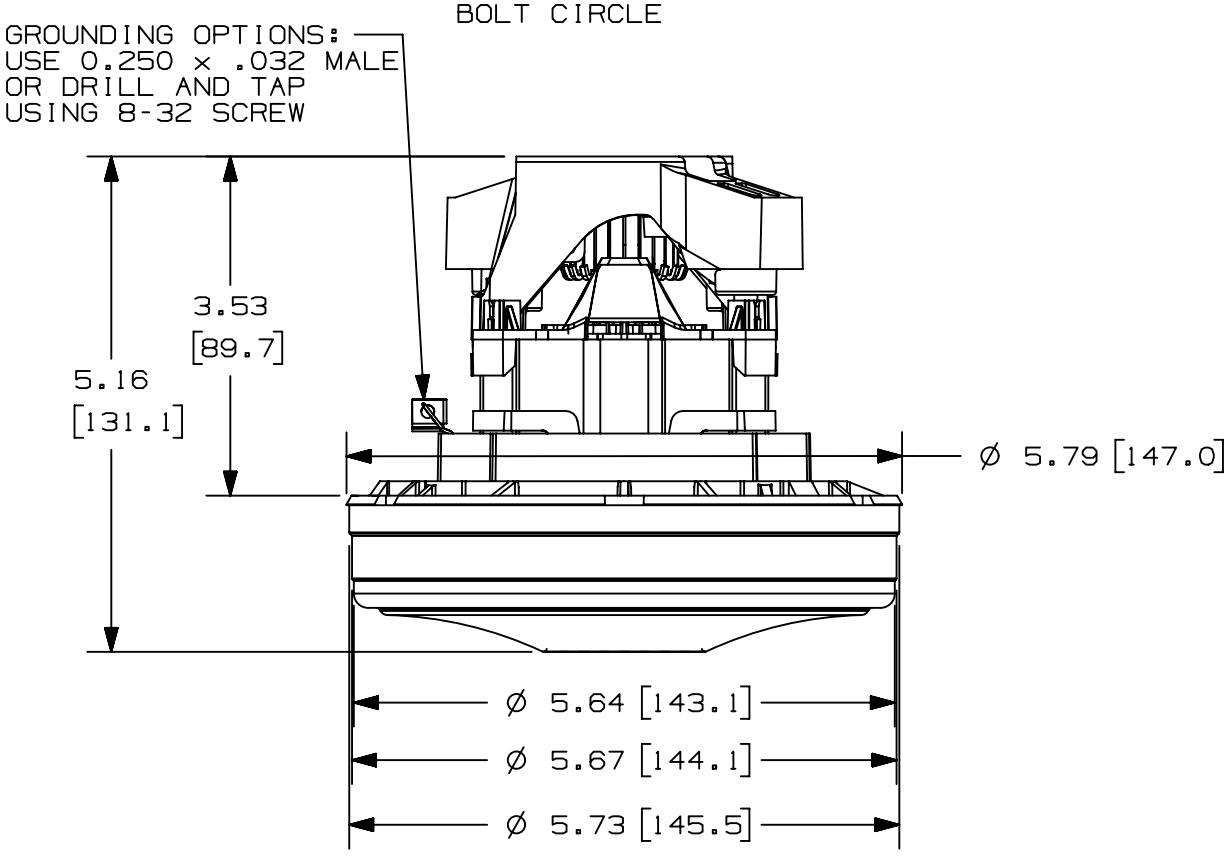
Metric Data ORIFICE (mm)	SUCTION (mm H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (mm H_2O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
50.8	**190**	**1276**	**11.1**	25,854	198	68.2	1321	132.5	0.178	10.03
38.1	**484**	**1289**	**11.2**	25,947	506	60.3	1334	298.7	0.400	22.39
31.8	**760**	**1284**	**11.2**	26,054	796	52.5	1329	409.1	0.548	30.78
25.4	**1112**	**1242**	**10.8**	26,728	1164	40.5	1285	461.7	0.619	35.92
22.2	**1303**	**1200**	**10.4**	27,210	1364	33.6	1242	448.8	0.602	36.14
19.1	**1484**	**1141**	**9.9**	28,039	1553	26.3	1181	399.6	0.536	33.84
15.9	**1665**	**1070**	**9.2**	29,033	1743	19.3	1108	328.9	0.441	29.69
12.7	**1862**	**992**	**8.5**	30,445	1948	13.0	1026	248.0	0.332	24.16
9.5	**2053**	**905**	**7.7**	31,848	2149	7.7	937	162.3	0.218	17.33
6.4	**2201**	**839**	**7.2**	33,317	2304	3.7	869	83.2	0.112	9.58
0.0	**2325**	**805**	**6.9**	34,133	2434	0.0	833	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **465.07**									

ORIFICE (mm)	SUCTION (kPa)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (kPa)	AIR FLOW (cu m/h)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
50.8	**1.859**	**1276**	**11.1**	**25,854**	1.95	245.55	1321	132.5	0.178	10.03
38.1	**4.744**	**1289**	**11.2**	**25,947**	4.96	216.99	1334	298.7	0.400	22.39
31.8	**7.455**	**1284**	**11.2**	**26,054**	7.80	189.10	1329	409.1	0.548	30.78
25.4	**10.909**	**1242**	**10.8**	**26,728**	11.42	145.84	1285	461.7	0.619	35.92
22.2	**12.782**	**1200**	**10.4**	**27,210**	13.38	120.98	1242	448.8	0.602	36.14
19.1	**14.554**	**1141**	**9.9**	**28,039**	15.23	94.61	1181	399.6	0.536	33.84
15.9	**16.329**	**1070**	**9.2**	**29,033**	17.09	69.41	1108	328.9	0.441	29.69
12.7	**18.254**	**992**	**8.5**	**30,445**	19.10	46.81	1026	248.0	0.332	24.16
9.5	**20.134**	**905**	**7.7**	**31,848**	21.07	27.78	937	162.3	0.218	17.33
6.4	**21.583**	**839**	**7.2**	**33,317**	22.59	13.28	869	83.2	0.112	9.58
0.0	**22.803**	**805**	**6.9**	**34,133**	23.87	0.00	833	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **465.07**									

Standard performance data is typical for a motor from a large production quantity. An individual motor's performance will vary due to normal manufacturing variations. Test standards @ 120 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 86.24 in H2O, 2190 mm H2O or 21.48 kPa, Maximum open watts = 1493 watts.

Models:
6500-304
6500-315
6500-318
6500-349





Note: Dimensions are for reference only and subject to change.
Tolerances of up to +/-.040" (1.0mm) can be expected.