



AMETEK

LAMB ELECTRIC

Product Bulletin

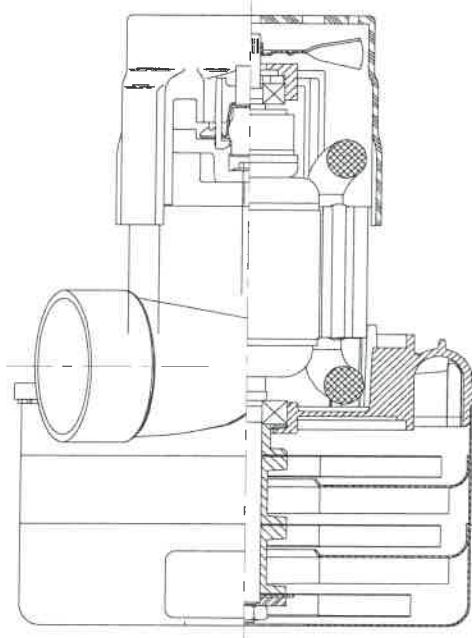
Model: 116765-00

DESCRIPTION

- Three stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum fan end bracket
- Aluminum 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

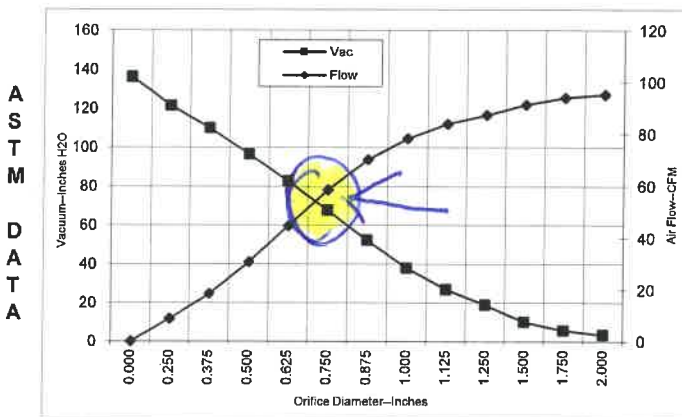


SPECIAL FEATURES

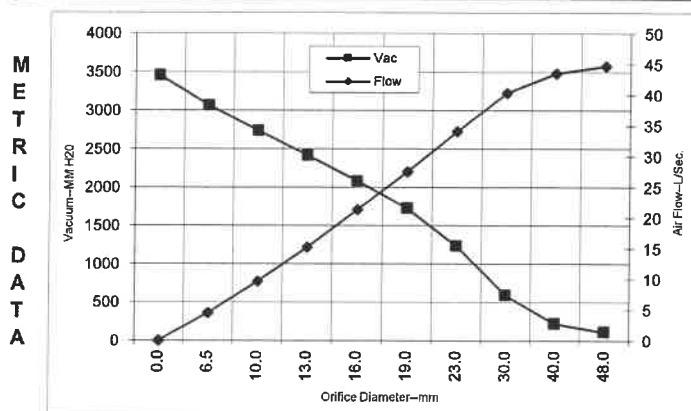
- Suitable for 120 volt AC operation, 50/ 60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA Certified, class 1611 01 (LR31393)
- Provision for grounding
- 10mm shaft and bearing system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb Electric vacuum motor line 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	12.6	1447	20822	3.3	95.3	37
1.750	12.7	1450	20797	5.6	94.1	61
1.500	12.8	1458	20762	9.9	91.4	107
1.250	12.8	1467	20675	18.9	87.4	195
1.125	12.9	1475	20592	26.8	83.9	264
1.000	13.1	1495	20502	37.8	78.3	348
0.875	13.1	1502	20440	52.1	70.2	430
0.750	12.9	1479	20587	67.6	58.5	465
0.625	12.4	1413	21112	82.4	44.7	432
0.500	11.4	1303	21990	96.3	30.8	348
0.375	10.3	1176	23082	109.6	18.5	238
0.250	9.4	1086	24247	121.2	8.9	127
0.000	8.6	1005	25312	136.0	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	12.7	1448	20811	109	44.7	48
40.0	12.7	1456	20773	218	43.5	93
30.0	12.9	1471	20629	590	40.3	233
23.0	13.1	1500	20456	1233	34.1	410
19.0	12.9	1478	20598	1725	27.5	464
16.0	12.4	1416	21091	2078	21.4	433
13.0	11.5	1314	21902	2411	15.2	356
10.0	10.4	1195	22918	2733	9.6	255
6.5	9.4	1091	24189	3064	4.4	133
0.0	8.6	1005	25312	3454	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.

Test Specs:	120 volts	Minimum Sealed Vacuum:	130.0"	ORIFICE:	7/8 "	Minimum Vacuum:	47"	Maximum Watts:	1700
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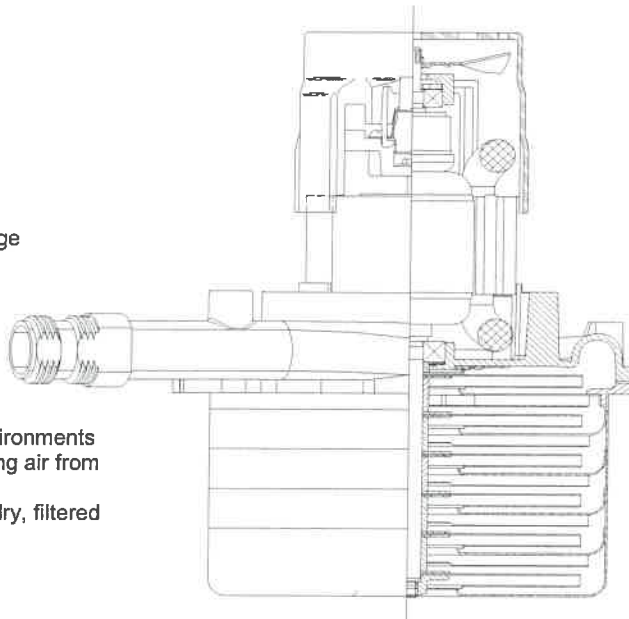
Model: 122097-00

DESCRIPTION

- Six stage Fan system
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- 2 speed
- Tangential bypass discharge

DESIGN APPLICATION

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

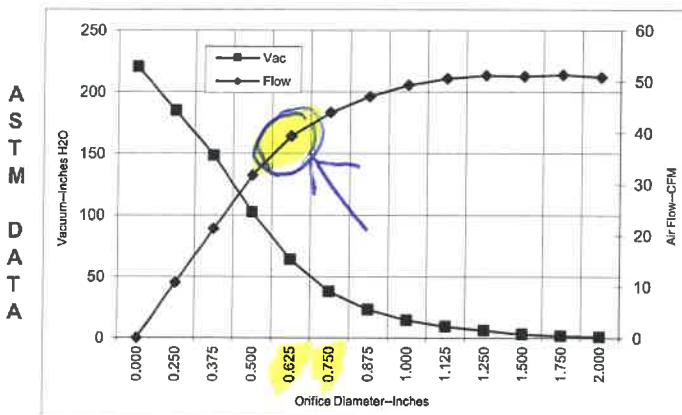


SPECIAL FEATURES

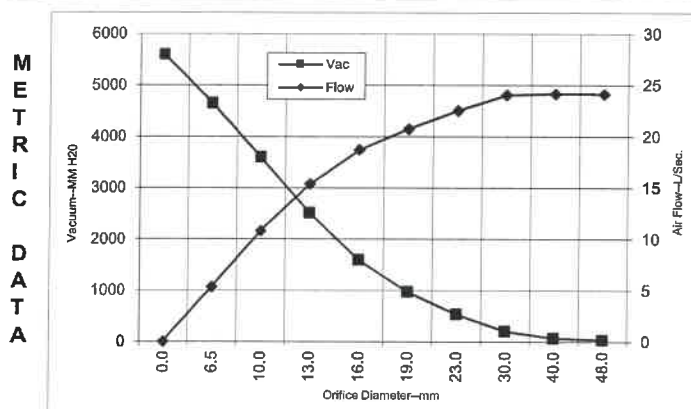
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Open frame design
- Aluminum fan-end bracket designed to dampen vibration and improve durability
- 10 mm shaft and bearing system
- Special fans designed for high pressure/low volume operation
- The Lamb Electric 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	15.6	1737	19360	0.9	50.9	6
1.750	15.5	1733	19350	1.6	51.4	10
1.500	15.5	1734	19340	3.0	51.1	18
1.250	15.5	1726	19330	6.2	51.2	37
1.125	15.5	1728	19350	9.2	50.7	55
1.000	15.5	1725	19370	14.2	49.3	83
0.875	15.4	1718	19380	23.0	47.1	127
0.750	15.3	1709	19450	37.6	44.0	195
0.625	15.1	1691	19550	63.7	39.4	295
0.500	14.9	1662	19780	102.5	31.8	383
0.375	14.1	1582	20450	148.2	21.3	372
0.250	12.5	1406	21890	184.6	10.8	235
0.000	10.3	1170	24240	220.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	15.5	1735	19356	31	24.1	7
40.0	15.5	1734	19343	66	24.1	16
30.0	15.5	1727	19341	199	24.0	47
23.0	15.4	1720	19378	528	22.5	116
19.0	15.3	1709	19452	968	20.7	197
16.0	15.1	1692	19546	1591	18.7	291
13.0	14.9	1665	19757	2504	15.4	374
10.0	14.2	1594	20350	3590	10.8	373
6.5	12.5	1415	21818	4643	5.4	242
0.0	10.3	1170	24240	5595	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.

Test Specs:	120 volts	Minimum Sealed Vacuum:	210"	ORIFICE:	0.375	Minimum Vacuum:	120"	Maximum Watts:	1800
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