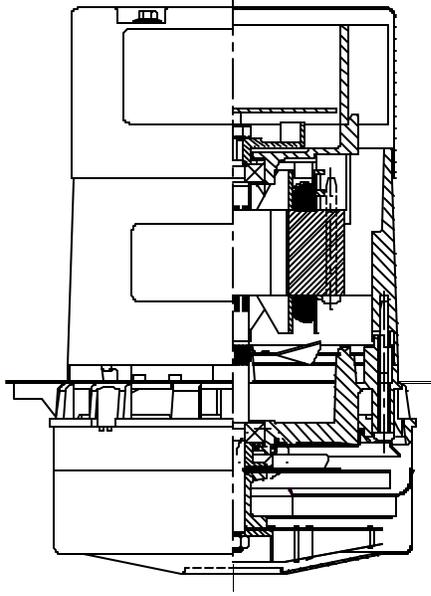




SPECIAL FEATURES

- "Generation II" (DIGITAL) Controller: no external low-voltage control power required. (See "INFIN-A-TEK Application Notes")
- UL component recognized (pending)
- IP Rating: 1.0
- **Speed control capability**
- Tapered fan system
- Thermally protected motor design
- Patented air seal bearing construction (U.S. Patent # 4,088,424)
- Epoxy painted
- Aluminum fan end bracket designed to dampen vibration and improve durability

Please refer to INFIN-A-TEK Application Notes for details on the operation and wiring of this switched-reluctance



DESCRIPTION

- Brushless Motor
- Switch Reluctance (SR) Technology
- Two stage Fan System
- 230 volts, 50/60 Hz
- 5.7" / 145 mm diameter
- Dual 10mm ball bearings
- Peripheral "Acustek" discharge
- All aluminum die cast housings used in motor construction
- Life expectancy: 5 -10 times more than the brush-motor equivalent.

DESIGN APPLICATION

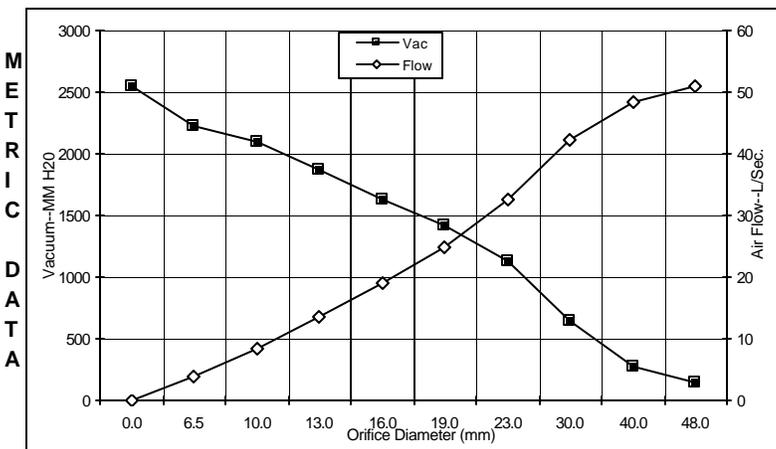
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

TYPICAL MOTOR PERFORMANCE.*

(At 230 volts, AC, 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	5.6	1213	20400	4.9	109.1	56
1.750	5.6	1219	20400	7.2	106.7	90
1.500	6.1	1297	20400	12.3	101.1	146
1.250	6.1	1301	20400	22.2	94.3	246
1.125	5.9	1268	19800	28.2	85.9	285
1.000	5.9	1269	19800	37.1	77.5	338
0.875	5.9	1257	19800	46.8	66.6	366
0.750	5.8	1245	19800	55.6	53.1	347
0.625	5.2	1128	21000	64.6	39.7	301
0.500	5.1	1102	21600	74.6	27.2	238
0.375	5.1	989	22800	84.1	16.3	161
0.250	4.3	906	23400	87.9	7.7	80
0.000	3.9	827	24600	100.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	5.6	1216	20400	150	51.0	71
40.0	6.0	1274	20400	274	48.5	129
30.0	6.0	1283	20070	648	42.3	267
23.0	5.9	1260	19800	1127	32.7	359
19.0	5.8	1243	19824	1417	24.9	346
16.0	5.2	1133	20952	1632	19.0	303
13.0	5.1	1105	21540	1869	13.4	244
10.0	5.1	1006	22620	2100	8.5	173
6.5	4.3	910	23370	2228	3.8	84
0.0	3.9	827	24600	2548	0.0	0

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

* PERFORMANCE DATA IS PRELIMINARY. PRODUCTION SPECIFICATIONS HAVE NOT YET BEEN SET.

Test Specs:	Minimum Sealed Vacuum: TBA	ORIFICE: TBA	Minimum Vacuum: TBA	Maximum Watts: TBA
--------------------	-----------------------------------	---------------------	----------------------------	---------------------------

