

Characteristics:

High Power, Long Life AC Blower

Specifications:

Dimensions	: Ø 132.0 X 121.0 mm
Type	: Through-flow
Input Voltage	: 120.0 V AC
Air Power @ open	: 16.30 W
Air Power @ 19mm orifice	: 212.70 W
Air Flow @ open (l/sec)	: 46.4 l/sec
Speed @ open	: 24500 rpm
Speed @ 19mm orifice	: 25000 rpm
Speed @ seal	: 32200 rpm
Maximum Efficiency	: 43 %
Life (typical)	: 2000 hr
Life Test Condition	: 19mm orifice, 20s ON / 8s OFF
Weight	: 1430 g
Operation Temperature	: -10 to 55 °C
Storage Temperature	: -20 to 100 °C
Electrical Connection	: Lead wire
Vacuum @ Seal	: 1837 mm H ₂ O
Air Speed @ 19mm	: 266.00 km/h



Performance Data:

	Max Efficiency	Open	Seal
Current (A)	4.35	4.40	3.30
Efficiency (%)	43	3	-
Output Power (W)	212.00	-	-
Speed (rpm)	25000	24500	32200
Vacuum (mm H ₂ O)	1013	36	1837

Application Examples:

Hand Dryers

[illegible]

The graph displays the performance characteristics of a vacuum pump. The left Y-axis represents Input Power (W) / Air Watt (W) and Vacuum (mm H₂O), ranging from 0 to 2000. The right Y-axis represents Eff. (%) / Speed (x1000 Rpm), ranging from 0 to 50. The X-axis represents Air Flow (l/sec), ranging from 0 to 50. The curves show that Vacuum decreases as Air Flow increases, while Efficiency (Eff.) increases to a peak and then decreases. Speed remains relatively constant. Input Power (P in) and Air Watt increase to a peak and then decrease.

Air Flow (l/sec)	Vacuum (mm H ₂ O)	Eff. (%)	Speed (x1000 Rpm)	P in (W)	Air Watt (W)
0	1800	0	30	400	0
5	1600	15	28	420	50
10	1400	30	27	440	100
15	1200	40	26	460	150
20	1000	45	25	480	200
25	800	48	24	500	220
30	600	40	23	520	200
35	400	25	22	530	150
40	200	10	21	530	100
45	50	5	20	520	50
50	0	0	20	500	0

Units in Metric