

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93304 Series/Test: / Test Date: September 17, 1993 File Name: **Fan**Make: SchaeferModel #: SE-3602Serial #: -Manufacturer: SchaeferBlade Size: 36"Orifice Dia.: 37"**Blade**Number: 4Shape: propellerMaterial: galv. steelPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: AluminumNumber Doors: 14 per rowNumber Rows: 2 rowsDoor Length: 20.6"Location: intake**Other Attachments**Discharge cone 42.1" o.d., 37" i.d., 16.5" deep**Motor**Make: MagnetekModel #: c-580Serial #: H.P.: 1/2Amps: 3.2/6.4Volts: 230/115RPM: 1725S.F.: 1.00Drive Pulley Dia.: 2.7" o.d.
AK27Axle Pulley Dia.: 9" o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 42.3"x42.3"Discharge Area: 37" dia.Depth: 26.8" top
15" bottom**Guards**Description: painted wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

SCHAEFER SE-3602

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93304	0.00	516	12150	21.1
Fan description:	0.05	515	11270	18.8
36" belt drive, 1/2 hp Magnetek C-580	0.10	515	10230	16.5
motor, galvanized steel slant housing,	0.15	514	8770	13.8
aluminum shutter, guard and discharge cone	0.20	516	5700	9.5
	0.25	513	4600	6.9
	0.30	510	3630	5.0
