

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93301 Series/Test: / Test Date: September 16, 1993 File Name: **Fan**Make: SchaeferModel #: SE-4800Serial #: -Manufacturer: SchaeferBlade Size: 48"Orifice Dia.: 49"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 18 per rowNumber Rows: 2Door Length: 26.6"Location: intake**Other Attachments**Discharge cone 54" o.d., 49" i.d., 16.3" deep**Motor**Make: MagnetekModel #: C-582Serial #: -H.P.: 1.0Amps: 4.8/9.6Volts: 230/115RPM: 1725S.F.: 1.0Drive Pulley Dia.: 2.8" o.d.
AK28Axle Pulley Dia.: 10" o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 54.3"x54.3"Discharge Area: 49" dia.Depth: 35" top**Guards**Description: painted wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

SCHAEFER SE-4800

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93301	0.00	483	19600	27.5
Fan description:	0.05	483	18300	24.2
48" belt drive, 1 hp Magnetek C-582	0.10	482	16700	21.1
motor, galvanized steel slant housing,	0.15	481	14700	17.9
aluminum shutter, guard and discharge cone	0.20	482	11400	13.6
	0.25	479	6200	6.8
