

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93303 Series/Test: / Test Date: September 17, 1993 File Name: **Fan**Make: Schaefer
Model #: SE-3600
Serial #: -
Manufacturer: Schaefer
Blade Size: 36"
Orifice Dia.: 37"**Blade**Number: 4
Shape: propeller
Material: galv. steel
Pitch: -
Clearance: .5"
Hub Diameter: -**Shutter**Material: Aluminum
Number Doors: 14 per row
Number Rows: 2 rows
Door Length: 20.6"
Location: intake**Other Attachments****Motor**Make: Marathon
Model #: YWD56B17T20A
Serial #:
H.P.: 1/2
Amps: 4.6/2.3
Volts: 115/230
RPM: 1725
S.F.: 1.00Drive Pulley Dia.: 2.7" o.d.
AK27
Axle Pulley Dia.: 9" o.d.
Center Spacing: -**Housing**Material: galv. steel
Intake Area: 42.3"x42.3"
Discharge Area: 37" dia.
Depth: 26.8" top
15" bottom**Guards**Description: painted wire
Spacing: 1.5" concentric
Location: exhaustDischarge cone 42.1" o.d., 37" i.d., 16.5" deep

TEST RESULTS

SCHAEFER SE-3600

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93303	0.00	514	12070	22.4
Fan description:	0.05	510	11090	19.7
36" belt drive, 1/2 hp Marathon YWD56B17T20A	0.10	509	10000	17.0
motor, galvanized steel slant housing, aluminum	0.15	508	8610	14.3
shutter, guard and discharge cone	0.20	509	5420	9.6
	0.25	506	4400	6.9
	0.30	501	3490	5.1
