

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93344 Series/Test: / Test Date: October 5, 1993 File Name: **Fan**Make: Triangle Eng.Model #: PF48156-galv.Serial #: -Manufacturer: Triangle Eng.Blade Size: 48"Orifice Dia.: 49.1"**Blade**Number: 6Shape: propellerMaterial: galv. steelPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: AluminumNumber Doors: 17Number Rows: 1Door Length: 51.3"Location: exhaust**Other Attachments**idler pulley belt tensioner**Motor**Make: MagnetekModel #: C782Serial #: -H.P.: 1.0Amps: 4.3/8.6Volts: 230/115RPM: 1725S.F.: 1.4Drive Pulley Dia.: 3.2" o.d.Axle Pulley Dia.: 12" o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 49.1"x49.1"Discharge Area: 49.1"x49.1"Depth: 16"**Guards**Description: welded wireSpacing: 1" x 2"Location: intake

TEST RESULTS

TRIANGLE PFG 48156

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93344	0.00	455	19200	17.8
Fan description:	0.05	454	17800	15.9
48" belt drive, 1 hp Magnetek C782	0.10	454	16300	14.0
motor, galvanized steel housing,	0.15	453	14500	12.3
aluminum shutter and guard	0.20	454	9300	8.0
	0.25	452	7500	6.0
