

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93326 Series/Test: / Test Date: October 4, 1993 File Name: **Fan**Make: Triangle Eng.Model #: PF36136Serial #: -Manufacturer: Triangle Eng.Blade Size: 36"Orifice Dia.: 37"**Blade**Number: 6Shape: propellerMaterial: steelPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 13Number Rows: 1Door Length: 39.3"Location: exhaust**Other Attachments**Idler pulley belt tensioner**Motor**Make: MarathonModel #: ZWD56S17T2002DSerial #: -H.P.: 1/2Amps: 6.6/3.3Volts: 115/230RPM: 1725S.F.: 1.25Drive Pulley Dia.: 2.8"o.d.Axle Pulley Dia.: 8" o.d.Center Spacing: -**Housing**Material: woodIntake Area: 38" x 38"Discharge Area: 38" x 38"Depth: 16"**Guards**Description: welded wireSpacing: 1" x 2"Location: intake

TEST RESULTS

TRIANGLE PF36136

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93326	0.00	556	10100	14.7
Fan description:	0.05	552	9410	13.0
36" belt drive, 1/2 hp Marathon	0.10	548	8440	10.9
ZWD56S17T2002D motor, wood housing,	0.15	546	6680	8.5
aluminum shutter and guard	0.20	538	4610	5.4
	0.25	525	3640	3.8