

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93328 Series/Test: / Test Date: October 4, 1993 File Name: **Fan**Make: Triangle Eng.Model #: PF3613D-galv.Serial #: -Manufacturer: Triangle Eng.Blade Size: 36"Orifice Dia.: 37"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 13Number Rows: 1Door Length: 39.3"Location: exhaust**Other Attachments****Motor**Make: MagnetekModel #: HF4W010NSerial #: -H.P.: 1/2Amps: 3.2Volts: 230RPM: 850S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: 37.2"x37.2"Discharge Area: 37.2"x37.2"Depth: 16"**Guards**Description: welded wireSpacing: 1" x 2"Location: intake

TEST RESULTS

TRIANGLE PFG 3613-D

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93328	0.00	856	9770	17.8
Fan description:	0.05	853	9020	16.0
36" direct drive, 1/2 hp Magnetek HF4W010N	0.10	848	8110	13.6
motor, galvanized steel housing,	0.15	844	7120	11.6
aluminum shutter and guard	0.20	841	5230	8.4
	0.25	833	4150	6.2