

Bioenvironmental and Structural Systems Lab
Fan Description Form

Project Number: 93349 Series/Test: / Test Date: October 6, 1993 File Name: **Fan**Make: Triangle Eng.Model #: SLW4815-DSerial #: -Manufacturer: Triangle Eng.Blade Size: 48"Orifice Dia.: 49.1"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: AluminumNumber Doors: 17Number Rows: 1Door Length: 51.3"Location: intake**Other Attachments**idler pulley belt tensioner**Motor**Make: MagnetekModel #: 8-181905-01Serial #: -H.P.: 1.0Amps: 5.1Volts: 230RPM: 850S.F.: 1.0Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: Discharge Area: 50" x 50"Depth: 38.8" top26.5" bottom**Guards**Description: welded wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

TRIANGLE SLW 4815-D

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93349	0.00	827	18600	18.3
Fan description:	0.05	816	17000	15.7
48" direct drive, 1 hp Magnetek 8-181905-01	0.10	805	15400	13.4
motor, galvanized steel slant housing,	0.15	792	13600	11.2
aluminum shutter and guard	0.20	764	10800	8.2
