

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96147 Series/Test: / Test Date: June 21, 1996 File Name: **Fan**Make: AerotechModel #: GB4815Q1Serial #: -Manufacturer: AerotechBlade Size: 48"Orifice Dia.: 48.8"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: 0.4"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 13 per rowNumber Rows: 2Door Length: 24.6"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: 8-187226-01Serial #: -H.P.: 1.5Amps: 6.8/3.4//8.2/4.1Volts: 115/230RPM: 1725/1425S.F.: 1.15Drive Pulley Dia.: 4.0" o.d.Axle Pulley Dia.: 10.3"o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 51.3"x51.3"Discharge Area: 51.3"x51.3"Depth: 24"**Guards**Description: welded wireSpacing: 2" x 2"Location: exhaust

TEST RESULTS

AEROTECH GB4815Q1P

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96147	0.00	666	22600	14.5
Fan description:	0.05	663	21700	13.6
48" belt drive, 1.5 hp Magnetek 8-187226-01	0.10	662	20900	12.7
motor, galvanized steel housing,	0.15	661	19900	11.8
plastic shutter and guard	0.20	659	18600	10.8
	0.25	658	17400	10.0
	0.30	657	16100	9.0
