

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96146 Series/Test: / Test Date: June 20, 1996 File Name: **Fan**Make: AerotechModel #: GB481Q1-04Serial #: -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: AerotechModel #: 8-181416-01Serial #: -H.P.: 1.0Amps: 4.8-4.3/8.6//4.9/
9.3Volts: 208-230/115RPM: 1725/1425S.F.: 1.3Drive Pulley Dia.: 3.5" o.d.
10.3" o.d.Axle Pulley Dia.: -Center Spacing: -**Housing**Material: galv. steelIntake Area: 51.4"x51.4"Discharge Area: 51.4"x51.4"Depth: 24"**Guards**Description: welded wireSpacing: 2" x 2"Location: exhaust

TEST RESULTS

AEROTECH GB481Q1P

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96146	0.00	587	20100	18.7
Fan description:	0.05	586	19100	17.2
48" belt drive, 1 hp Aerotech 8-181416-01	0.10	586	18000	15.8
motor, galvanized steel housing,	0.15	584	16900	14.3
plastic shutter and guard	0.20	582	15500	12.8
	0.25	582	13900	11.2
	0.30	580	10500	8.2
