

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96244 Series/Test: / Test Date: September 24, 1996 File Name: **Fan**Make: Hired HandModel #: 6603-6000Serial #: -Manufacturer: Hired HandBlade Size: 48.5"Orifice Dia.: 49.3"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: 0.4"Hub Diameter: -**Shutter**Material: AluminumNumber Doors: 12 per rowNumber Rows: 2Door Length: 25.6"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: C782Serial #: -H.P.: 1Amps: 4.3/8.6Volts: 230/115RPM: 1725S.F.: 1.40Drive Pulley Dia.: AK34Axle Pulley Dia.: AK104Center Spacing: -**Housing**Material: FiberglassIntake Area: 52.5"x52.5"Discharge Area: 49.3" dia.Depth: 32" top
30" bottom**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

HIRED HAND 6603-6000

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96244	0.00	585	21700	21.5
Fan description:	0.05	584	20400	19.7
48" belt drive, 1 hp Magnetek C782	0.10	583	18900	17.7
motor, fiberglass housing, aluminum shutter	0.15	582	17200	15.6
# 6611-5006, and guard	0.20	581	14800	13.0
	0.25	580	9400	8.1
