

**Bioenvironmental and Structural Systems Lab
Fan Description Form**Project Number: 96239 Series/Test: ___/___Test Date: September 24, 1996 File Name: **Fan**Make: Hired HandModel #: 6603-6002 w/coneSerial #: -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: 12Number Rows: 2Door Length: 25.6"Location: intake**Other Attachments**Discharge cone 32.3" deep, 59" o.d., 49.3" i.d.**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 6603-6002 w/cone

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96239	0.00	588	24500	27.9
Fan description:	0.05	587	23000	24.3
48" belt drive, 1 hp Magnetek C782	0.10	585	21400	21.4
motor, fiberglass housing, aluminum shutter	0.15	583	19400	18.4
# 6611-5006, guard and discharge cone	0.20	582	17100	15.4
	0.25	581	13100	11.3
