

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93111 Series/Test: / Test Date: March 10, 1993 File Name: **Fan**Make: Hired HandModel #: 6603-6078Serial #: -Manufacturer: Hired HandBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 2Shape: propellerMaterial: galv. steelPitch: -Clearance: .3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 13Number Rows: 2Door Length: 19.3"Location: intake**Other Attachments****Motor**Make: A.O. SmithModel #: F56A05A75Serial #: -H.P.: 1/2Amps: 5.3/2.7Volts: 115/230RPM: 825S.F.: -Drive Pulley Dia.: DirectAxle Pulley Dia.: DriveCenter Spacing: -**Housing**Material: fiberglassIntake Area: Discharge Area: 36.5"Depth: 29.5" top
24.5" bottom**Guards**Description: painted wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

HIRED HAND 6603-6078

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93111	0.00	860	10030	20.9
Fan description:	0.05	857	9150	18.3
36" direct drive, 1/2 hp A.O. Smith F56A05A75	0.10	853	8150	15.9
motor, fiberglass housing, plastic shutter	0.15	851	6930	13.3
and guard	0.20	851	5400	10.4
	0.25	847	3640	6.6