

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96236 Series/Test: / Test Date: September 24, 1996 File Name: **Fan**Make: Hired HandModel #: 24" FF 6603-9503Serial #: -Manufacturer: Hired HandBlade Size: 24.3"Orifice Dia.: 24.8"**Blade 25976-3**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: 0.2"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 7 per rowNumber Rows: 2Door Length: 13.1"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: HF3LSample #: S9209EH.P.: 1/3Amps: 5.4/2.7Volts: 115/230RPM: 1075S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: ABSIntake Area: 28" x 28"Discharge Area: 24.3"Depth: 20"**Guards**Description: wireSpacing: 2.2" concentricLocation: exhaust

TEST RESULTS

HIRED HAND 24" FF 6603-9503

	Static Pressure	Speed	Airflow	Efficiency
Test: 96236	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
	0.00	1109	5910	14.5
Fan description:	0.05	1105	5580	13.5
24" direct drive, 1/3 hp Magnetek HF3L	0.10	1103	5270	12.6
motor, plastic housing, plastic shutter,	0.15	1099	4850	11.3
and guard	0.20	1096	4380	9.9
	0.25	1093	3730	8.4
	0.30	1091	2470	5.5
