

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96306 Series/Test: / Test Date: November 14, 1996 File Name: **Fan**Make: MultifanModel #: 6E63-S4Serial #: -Manufacturer: MultifanBlade Size: 25"Orifice Dia.: 25.4"**Blade**Number: 5Shape: propellerMaterial: plasticPitch: -Clearance: 0.2"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 10 per rowNumber Rows: 2Door Length: 14.8"Location: intake**Other Attachments****Motor**Make: VostermansModel #: 6E63Serial #: -H.P.: 0.68 kWAmps: 3.1Volts: 240RPM: 1000S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: Discharge Area: 25.4" dia.Depth: 28" top
25" bottom**Guards**Description: wireSpacing: 1.8" concentricLocation: exhaust

TEST RESULTS

MULTIFAN 6E63-S4

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96306	0.00	1055	6720	10.1
Fan description:	0.05	1050	6520	9.6
24" direct drive, 0.68 kW Vostermans	0.10	1046	6290	9.2
6E63 motor, plastic housing, plastic shutter	0.15	1042	6080	8.8
and guard	0.20	1037	5800	8.3
	0.25	1034	5420	7.7
	0.30	1037	5060	7.2
