

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96301 Series/Test: / Test Date: October 29, 1996 File Name: **Fan**Make: MultifanModel #: 6E63Q-S3CSerial #: -Manufacturer: MultifanBlade Size: 25"Orifice Dia.: 25.4"**Blade**Number: 3Shape: propellerMaterial: plasticPitch: -Clearance: 0.2"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 10 per rowNumber Rows: 2Door Length: 15.5"Location: intake**Other Attachments**Discharge cone 21" deep, 34" o.d.**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: 31.3"x31.3"Discharge Area: 25.4" dia.Depth: 26" top
19" bottom**Guards**Description: wireSpacing: 2.3" concentricLocation: exhaust

TEST RESULTS

MULTIFAN 6E63Q-S3C

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96301	0.00	1073	7450	11.9
Fan description:	0.05	1073	7280	11.5
24" direct drive, 0.68 kW Vostermans	0.10	1063	7040	11.0
6E63 motor, plastic housing, plastic shutter,	0.15	1059	6800	10.4
guard and discharge cone	0.20	1051	6480	9.6
	0.25	1040	5850	8.4
	0.30	1034	5390	7.7
