

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96296 Series/Test: / Test Date: October 29, 1996 File Name: **Fan**Make: MultifanModel #: 6E63Q System 1Serial #: -Manufacturer: MultifanBlade Size: 24.7"Orifice Dia.: 25.1"**Blade**Number: 5Shape: propellerMaterial: plasticPitch: -Clearance: 0.2"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 9Number Rows: 1Door Length: 25.8"Location: exhaust**Other Attachments**System 1 wind hood**Motor**Make: VostermansModel #: 6E63QSerial #: -H.P.: 0.68 kWAmps: 3.1Volts: 240RPM: 1000S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: PlasticIntake Area: 30.7"x30.7"Discharge Area: 27" x 25"Depth: 46"**Guards**Description: wireSpacing: 2" x 3"Location: intake

TEST RESULTS

MULTIFAN 6E63Q-S1

	Static Pressure	Speed	Airflow	Efficiency
Test: 96296	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
	0.00	1044	6330	9.2
Fan description:	0.05	1040	6070	8.7
24" direct drive, 0.68 kW Vostermans	0.10	1034	5790	8.2
6E63Q motor, plastic wind hood housing,	0.15	1032	5530	7.8
plastic shutter and guard	0.20	1030	5180	7.4
	0.25	1031	4910	7.0
	0.30	1030	4580	6.4
