

Bioenvironmental and Structural Systems Lab

Fan Description Form

Project Number: 96299 Series/Test: ___/___Test Date: October 29, 1996 File Name: **Fan**Make: MultifanModel #: 6E63Q-3PP-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 #: 6E63-3PP-30Serial #: -H.P.: 0.33 kWAmps: 1.5Volts: 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-3PP-S3C

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96299	0.00	1055	6230	18.4
Fan description:	0.05	1040	5880	17.1
24" direct drive, 0.33 kW Vostermans	0.10	1023	5430	15.1
6E63-3PP-30 motor, plastic housing,	0.15	1005	4700	12.5
plastic shutter, guard and discharge cone	0.20	994	3920	10.2
	0.25	989	3300	8.7
	0.30	990	2510	6.5
