

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96300 Series/Test: / Test Date: October 29, 1996 File Name: **Fan**Make: MultifanModel #: 4E63-3PP-S3CSerial #: -Manufacturer: MultifanBlade Size: 24.9"Orifice Dia.: 25.2"**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 #: 4E63-3PP-25Serial #: -H.P.: 0.43 kWAmps: 2.0Volts: 240RPM: 1600S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 31.3"x31.3"Discharge Area: 25.2" dia.Depth: 26" top
19" bottom**Guards**Description: wireSpacing: 2.3" concentricLocation: exhaust

TEST RESULTS

MULTIFAN 4E63-3PP-S3C

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96300	0.00	1666	5830	16.5
Fan description:	0.05	1658	5560	15.2
24" direct drive, 0.43 kW Vostermans	0.10	1648	5280	14.4
4E63-3PP-S3C motor, plastic housing,	0.15	1642	4980	13.1
plastic shutter, guard and discharge cone	0.20	1635	4640	12.1
	0.25	1631	4370	11.1
	0.30	1626	3890	9.8
