

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 95134 Series/Test: / Test Date: May 15, 1995 File Name: **Fan**Make: MultifanModel #: P3C8E92 ESerial #: -Manufacturer: MultifanBlade Size: 35.5"Orifice Dia.: 36.2"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: 19 deg.Clearance: 0.3"Hub Diameter: -**Shutter with tie bars**Material: plastic with
stainless steel frameNumber Doors: 13 per rowNumber Rows: 2Door Length: 21.1"Location: intake**Other Attachments**Discharge Cone 26" deep, 45.8" o.d., 36.2" i.d.**Motor**Make: VostermansModel #: 8E92-3PP-13 NESerial #: -H.P.: 0.5 kWAmps: 3.0Volts: 240RPM: 800S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 45"x45"Discharge Area: 36.2" dia.Depth: 27" top
17.5" bottom**Guards**Description: wireSpacing: 2.3" concentricLocation: exhaust

TEST RESULTS

MULTIFAN P3C8E92E

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 95134	0.00	846	10410	23.6
Fan description:	0.05	841	9530	20.3
36" direct drive, 0.5 kW Vostermans 8E92-3PP-13NE	0.10	835	8650	18.0
motor, plastic housing, plastic shutter, guard	0.15	832	7550	15.3
and discharge cone	0.20	830	6360	12.6
	0.25	829	4740	9.4
	0.30	828	2930	5.7
