

**Bioenvironmental and Structural Systems Lab
Fan Description Form**Project Number: 95136 Series/Test: / Test Date: May 15, 1995 File Name: **Fan**Make: MultifanModel #: P3H8E92Serial #: -Manufacturer: MultifanBlade Size: 35.5"Orifice Dia.: 36.2"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: 13 deg. new styleClearance: 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**Wind hood 42.5" deep**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 P3H8E92

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 95136	0.00	793	9500	15.4
Fan description:	0.05	787	8890	14.2
36" direct drive, 0.5 kW Vostermans	0.10	787	8190	13.0
8E92-3PP-13NE motor, plastic housing,	0.15	784	7430	11.6
plastic shutter, guard and wind hood	0.20	784	6560	10.3
	0.25	788	5440	8.7
	0.30	791	4340	7.1
