

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96107 Series/Test: / Test Date: May 14, 1996 File Name: **Fan**Make: MultifanModel #: BA8E92 S-4Serial #: -Manufacturer: MultifanBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 12 per rowNumber Rows: 2Door Length: 18.3"Location: intake**Other Attachments**

MotorMake: VostermansModel #: 8E92-3PP 21NESerial #: -H.P.: 0.7 kWAmps: 3.9Volts: 240RPM: 800S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: PlasticIntake Area: 38.8"x38.8"Discharge Area: 36.4" dia.Depth: 32" top
28" bottom**Guards**Description: wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

MULTIFAN BA8E92 S-4

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96107	0.00	766	9790	14.0
Fan description:	0.05	761	8990	12.7
36" direct drive, 0.7 kW Vostermans	0.10	757	8010	11.1
8E92-3PP-21NE motor, plastic housing,	0.15	756	6950	9.7
plastic shutter and guard	0.20	754	5780	8.1
	0.25	750	4340	6.0
	0.30	741	2940	3.9
