

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 92123 Series/Test: / Test Date: March 25, 1992 File Name: **Fan**Make: Multifan
Model #: PH2E25
Serial #: -
Manufacturer: Multifan
Blade Size: 9.7"
Orifice Dia.: 9.9"**Blade**Number: 6
Shape: propeller
Material: plastic
Pitch: -
Clearance: .1"
Hub Diameter: 3.9"**Shutter**Material: plastic
Number Doors: 4
Number Rows: 1
Door Length: 12.4"
Location: exhaust**Other Attachments**wind hood is integral part of housing**Motor**Make: A. Vostermans
Model #: 2E25
Serial #: -
H.P.: .2 kW
Amps: .9/1.3 max
Volts: 240
RPM: 3200
S.F.: 1
Drive Pulley Dia.: direct
Axle Pulley Dia.: drive
Center Spacing: -**Housing**Material: plastic
Intake Area: 16" x 16"
Discharge Area: 13.3"x12.3"
Depth: 27"**Guards**Description: plastic coated
wire
Spacing: 2" x 3"
Location: Intake

TEST RESULTS

MULTIFAN PH2E25

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 92123	0.00	3434	1210	6.4
Fan description:	0.05	3429	1160	6.0
10" direct drive, 0.2 kW Vostermans 2E25	0.10	3422	1130	5.8
motor, plastic wind hood and housing,	0.15	3419	1100	5.6
plastic shutter and guard	0.20	3415	1070	5.4
	0.25	3406	1030	5.0
	0.30	3406	1000	4.8
