

Bioenvironmental and Structural Systems Lab
Fan Description Form

Project Number: 91079 Series/Test: / Test Date: May 17, 1991 File Name: **Fan**

Make: Multifan

Model #: PH4E25

Serial #: --

Manufacturer: Multifan

Blade Size: 9.8"

Orifice Dia.: 9.6"

Blade

Number: 6

Shape: Propeller

Material: plastic

Pitch: na

Clearance: .1"

Hub Diameter: 3.9"

Shutter

Material: plastic

Number Doors: 4

Number Rows: 1

Door Length: 12.5"

Location: exhaust

Other Attachments**Motor**

Make: Multifan

Model #: 4E25

Serial #: na

H.P.: .07 kW

Amps: .4

Volts: 240

RPM: 1600S.F.: naDrive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: **Housing**Material: plasticIntake Area: 16" x 16.3"Discharge Area: 13.8"x13.3"Depth: 27"**Guards**Description: plastic coated
wireSpacing: 1.8" x 1.8"Location: intakestandard housing includes plastic hood

TEST RESULTS

MULTIFAN PH4E25

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 91079	0.00	1731	920	11.5
Fan description:	0.05	1730	810	10.1
10" direct drive, 0.07 kW Vostermans 4E25	0.10	1728	680	8.6
motor, plastic wind hood and housing,	0.15	1724	530	6.3
plastic shutter and guard	0.20	1722	390	4.6