

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 92124 Series/Test: / Test Date: March 25, 1992 File Name: **Fan**Make: MultifanModel #: PH2E30Serial #: -Manufacturer: MultifanBlade Size: 11.8"Orifice Dia.: 12"**Blade**Number: 6Shape: propellerMaterial: plasticPitch: -Clearance: .1"Hub Diameter: 3.9"**Shutter**Material: plasticNumber Doors: 4Number Rows: 1Door Length: 12.4"Location: exhaust**Other Attachments**wind hood is integral part of housing**Motor**Make: A. VostermansModel #: 2E30Serial #: -H.P.: .31 kWAmps: 1.4/1.7 maxVolts: 240RPM: 3200S.F.: 1Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 16" x 16"Discharge Area: 13.3"x12.3"Depth: 27"**Guards**Description: plastic coated
wireSpacing: 2" x 3"Location: Intake

TEST RESULTS

MULTIFAN PH2E30

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 92124	0.00	3175	1880	5.7
Fan description:	0.05	3157	1840	5.4
12" direct drive, 0.31 kW Vostermans 2E30	0.10	3142	1790	5.2
motor, plastic wind hood and housing,	0.15	3126	1750	5.1
plastic shutter and guard	0.20	3107	1700	4.9
	0.25	3089	1650	4.6
	0.30	3073	1600	4.5
