

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 91066 Series/Test: / Test Date: April 15, 1991 File Name: **Fan**Make: MultifanModel #: PH4E30Serial #: naManufacturer: MultifanBlade Size: 11.9"Orifice Dia.: 12.1"**Blade**Number: 6Shape: propellerMaterial: plasticPitch: naClearance: .1"Hub Diameter: 3.9"**Shutter**Material: plasticNumber Doors: 4Number Rows: 1Door Length: 12.5"Location: exhaust**Other Attachments**System 1 plastic hood**Motor**Make: MultifanModel #: 4E30Serial #: --H.P.: .11 kWAmps: .5Volts: 240RPM: 1600S.F.: naDrive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: **Housing**Material: plasticIntake Area: 16.3" x 16"Discharge Area: 13.8" x 13.3"Depth: 27"**Guards**Description: plastic coated
wireSpacing: 1.8" x 1.8"Location: intake

TEST RESULTS

MULTIFAN PH4E30

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 91066	0.00	1671	1300	11.6
Fan description:	0.05	1665	1230	10.6
12" direct drive, 0.11 kW 4E30	0.10	1661	1150	9.6
motor, plastic housing/wind hood,	0.15	1654	1070	8.9
plastic shutter and guard	0.20	1649	970	7.8
	0.25	-	750	6.5
	0.30	1682	440	4.1