

**Bioenvironmental and Structural Systems Lab
Fan Description Form**Project Number: 95043 Series/Test: / Test Date: February 13, 1995 File Name: **Fan**Make: CanarmModel #: PLF36-MPSerial #: -Manufacturer: CanarmBlade Size: 36"Orifice Dia.: 37"**Blade Lau**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: .5"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 10Number Rows: 2Door Length: 18.3"Location: intake**Other Attachments**Discharge cone**Motor**Make: DaytonModel #: 4M250Serial #: -H.P.: 1/2Amps: 6.0/3.0Volts: 115/230RPM: 850S.F.: 1.25Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 39" x 39"Discharge Area: 37" dia.Depth: 29.5" top
26" bottom**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

CANARM PLF36-MP

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 95043	0.00	836	12500	21.4
Fan description:	0.05	827	11730	18.9
36" direct drive, 1/2 hp Dayton 4M250	0.10	818	10770	16.5
motor, plastic housing, plastic shutter,	0.15	807	9610	13.8
guard and discharge cone	0.20	795	8160	11.2
	0.25	769	5930	7.5
