

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 95337 Series/Test: / Test Date: November 17, 1995 File Name: **Fan**Make: CanarmModel #: PLF09-DVDSerial #: -Manufacturer: CanarmBlade Size: 9"Orifice Dia.: 9.5"**Blade**Number: 6Shape: propellerMaterial: plasticPitch: 33Clearance: 0.3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 6Number Rows: 1Door Length: 12.3"Location: intake**Other Attachments**Varifan MVS-1 speed controller**Motor**Make: MagnetekModel #: S-8928ESerial #: -H.P.: 1/6Amps: 1.9/1.0Volts: 115/230RPM: 3300S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 11.4"x11.4"Discharge Area: 9.5" dia.Depth: 22"**Guards**Description: wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

CANARM PLF09-DVD

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 95337	0.00	3168	1034	4.7
Fan description:	0.05	3145	1000	4.5
9" direct drive, 1/6 hp Magnetek S-8928E	0.10	3124	966	4.2
motor, plastic housing, plastic shutter	0.15	3104	930	4.0
and guard	0.20	3089	892	3.8
	0.25	3075	841	3.5
	0.30	3075	789	3.3
