

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 95335 Series/Test: / Test Date: November 17, 1995 File Name: **Fan**Make: CanarmModel #: PLF09-CVDSerial #: -Manufacturer: CanarmBlade Size: 9"Orifice Dia.: 9.5"**Blade**Number: 6Shape: propellerMaterial: plasticPitch: 25 deg.Clearance: .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 #: 8-8787-E-1Serial #: -H.P.: 1/15Amps: .9/.5Volts: 115/230RPM: 3200S.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-CVD

	Static Pressure	Speed	Airflow	Efficiency
Test: 95335	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
	0.00	2923	704	6.2
Fan description:	0.05	2880	662	5.7
9" direct drive, 1/15 hp Magnetek 8-8787-E-1	0.10	2832	613	5.1
motor, plastic housing, plastic shutter	0.15	2835	517	4.4
and guard	0.20	2851	441	3.8
	0.25	2845	367	3.1
	0.30	2775	318	2.6