

**Bioenvironmental and Structural Systems Lab
Fan Description Form**Project Number: 96039 Series/Test: / Test Date: January 23, 1996 File Name: **Fan**Make: CanarmModel #: PBF360SSerial #: -Manufacturer: CanarmBlade Size: 36"Orifice Dia.: 36.8"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: 26 degreeClearance: 0.4"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 10 per rowNumber Rows: 2 rowsDoor Length: 19"Location: exhaust**Other Attachments****Motor**Make: FHPModel #: M099838Serial #: -H.P.: 1/2Amps: 6.0/3.0Volts: 115/230RPM: 850S.F.: 6.4/3.2Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: 39" dia.Discharge Area: 38.5" dia.Depth: 19"**Guards**Description: welded wireSpacing: 1" x 2"Location: intake

TEST RESULTS

CANARM PBF360S

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96039	0.00	843	11500	20.2
Fan description:	0.05	835	10560	17.5
36" direct drive, ½ hp FHP M099838	0.10	828	9500	15.0
motor, plastic housing, plastic shutter	0.15	823	8060	12.2
and guard	0.20	820	6190	9.3
	0.25	812	4860	7.0
	0.30	784	3090	4.0
