

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93222 Series/Test: / Test Date: July 13, 1993 File Name: **Fan**Make: AcmeModel #: DC36G-2S-ASerial #: -Manufacturer: AcmeBlade Size: 36"Orifice Dia.: 36.6"**Blade**Number: 6Shape: propellerMaterial: steelPitch: -Clearance: .3"Hub Diameter: 5.8"**Shutter**Material: aluminumNumber Doors: 9Number Rows: 1Door Length: 35.8"Location: intake**Other Attachments****Motor**Make: G.EModel #: 5KCR46PN0064ASSerial #: -H.P.: 1/2Amps: 6.4/3.2Volts: 115/208-230RPM: 1725 -1425S.F.: 1Drive Pulley Dia.: 2.5" o.d.Axle Pulley Dia.: 9" o.d.Center Spacing: -**Housing**Material: Galv.Intake Area: 36.8"x37.1"Discharge Area: 37.3"x37.4"Depth: 35.5" top
24.5" bottom**Guards**Description: welded wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

ACME DC36G-2S-A

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93222	0.00	476	10590	21.4
Fan description:	0.05	475	9980	19.3
36" belt drive, 1/2 hp GE 5KCR46PN0064AS	0.10	475	9150	17.4
motor, galvanized steel slant housing,	0.15	474	7880	14.7
aluminum shutter and guard	0.20	473	6320	11.7
	0.25	473	4930	9.0
