

Bioenvironmental and Structural Systems Lab

Fan Description Form

Project Number: 93265 Series/Test: /

Test Date: July 28, 1993 File Name: _____

Fan

Make: Acme

Model #: AGD36G8-F

Serial #: -

Manufacturer: Acme

Blade Size: 36.1"

Orifice Dia.: 36.6"

Blade

Number: 4

Shape: propeller

Material: galv. steel

Pitch: -

Clearance: .3"

Hub Diameter: -

Shutter

Material: aluminum

Number Doors: 9

Number Rows: 1

Door Length: 35.8"

Location: intake

Other Attachments

Motor

Make: Fasco

Model #: 7128-0221

Serial #: -

H.P.: 1/2

Amps: 7.6/3.8

Volts: 115/230

RPM: 825

S.F.: -

Drive Pulley Dia.: direct

Axle Pulley Dia.: drive

Center Spacing: -

Housing

Material: flake board

Intake Area: 37.5"x37.5"

Discharge Area: 40.3"x40.3"

Depth: 20.8"

Guards

Description: welded wire

Spacing: 2" x 3"

Location: exhaust

TEST RESULTS

ACME AGD36G8-F

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93265	0.00	863	9780	21.0
Fan description:	0.05	859	9090	18.7
36" direct drive, 1/2 hp Fasco 7128-0221	0.10	855	8400	16.2
motor, wood housing, aluminum shutter	0.15	848	7590	13.9
and guard	0.20	844	6680	11.7
	0.25	836	5640	9.3
	0.30	828	4420	7.0
