

Bioenvironmental and Structural Systems Lab

Fan Description Form

Project Number: 93393 Series/Test: /

Test Date: November 8, 1993 File Name: _____

Fan

Make: Miller Control Mfg

Model #: 9H003693

Serial #:

Manufacturer: MCM

Blade Size: 36"

Orifice Dia.: 36.4"

Blade Lau 609866-01

Number: 3

Shape: propeller

Material: galv. steel

Pitch: -

Clearance: .2"

Hub Diameter: -

Shutter **WWG3C310**

Material: aluminum

Number Doors: 9

Number Rows: 1

Door Length: 35.8"

Location: exhaust

Other Attachments

Motor

Make: Emerson

Model #: K55HXCBS-6346

Serial #:

H.P.: 1/2

Amps: 6.4/3.2

Volts: 115/230

RPM: 825

S.F.: 1.0

Drive Pulley Dia.: direct

Axle Pulley Dia.: drive

Center Spacing: -

Housing

Material: fiberglass &
wood

Intake Area: 36.5"x36.5"

Discharge Area: 36.4" dia.

Depth: 26.5"

Guards

Description: welded wire

Spacing: 1" x 2"

Location: intake

TEST RESULTS

MILLER CONTROL & MFG. 9H003693

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93393	0.00	855	10770	20.8
Fan description:	0.05	850	10060	18.5
36" direct drive, 1/2 hp Emerson	0.10	845	9280	15.9
K55HXCBS-6346 motor, wood housing,	0.15	839	8400	13.8
aluminum shutter and guard	0.20	835	7230	11.4
	0.25	833	5950	9.3
