

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94379 Series/Test: / Test Date: December 20, 1994 File Name: **Fan**Make: MCM
Model #: 9S002481
Serial #: -
Manufacturer: Miller Control & Mfg.
Blade Size: 24"
Orifice Dia.: 24.2"**Motor**Make: Magnetek
Model #: HE3H201K
Serial #: -
H.P.: 1/3
Amps: 1.9
Volts: 208-230
RPM: 1075
S.F.: -**Blade**Number: 3
Shape: propeller
Material: aluminum
Pitch: -
Clearance: .1"
Hub Diameter: -Drive Pulley Dia.: direct
Axle Pulley Dia.: drive
Center Spacing: -**Housing**Material: fiberglass
Intake Area: 31" x 31"
Discharge Area: 24.2"
Depth: 23.5"**Shutter**Material: Aluminum
(painted white)
Number Doors: 8
Number Rows: 1
Door Length: 29.8"
Location: intake**Guards**Description: welded wire
Spacing: 1" x 2"
Location: exhaust**Other Attachments**discharge cone 26.4" deep, 30.3" o.d.

TEST RESULTS

MILLER CONTROL & MFG. 9S002481

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 94379	0.00	1080	6370	16.6
Fan description:	0.05	1072	6070	15.1
24" direct drive, 1/3 hp Magnetek HE3H201K	0.10	1062	5780	14.1
motor, fiberglass housing, aluminum shutter,	0.15	1053	5450	13.0
guard and discharge cone	0.20	1043	5100	11.9
	0.25	1038	4650	10.6
	0.30	1032	4160	9.4