

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96331 Series/Test: / Test Date: November 20, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38109-3621Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 9 per rowNumber Rows: 2Door Length: 19.6"Location: intake**Other Attachments****Motor**Make: GEModel #: 5KCP49UN9806SSerial #: H.P.: 1/2Amps: 3.7-3.6Volts: 230RPM: 850S.F.: 1.00Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: 42.5"x42.5"Discharge Area: 40.3"x40.3"Depth: 35"**Guards**Description: wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38109-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96331	0.00	840	11070	16.9
Fan description:	0.05	836	10260	15.1
36" direct drive, ½ hp GE 5KCP49UN9806S	0.10	833	9440	13.5
motor, steel housing, aluminum shutter	0.15	829	8610	12.0
and guard	0.20	823	7710	10.4
	0.25	816	6320	8.1
	0.30	804	4490	5.4
