

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96339 Series/Test: / Test Date: November 20, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38790-3621Serial #: -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: 3.70-3.60Volts: 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: 33.8" top
30.5" bottom**Guards**Description: wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38790-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96339	0.00	839	11010	16.7
Fan description:	0.05	836	10260	15.2
36" direct drive, ½ hp GE 5KCP49UN9806S	0.10	829	9440	13.6
motor, deep slant housing, aluminum shutter,	0.15	828	8490	11.9
and guard	0.20	823	7670	10.4
	0.25	815	6490	8.5
	0.30	804	4560	5.5
