

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96332 Series/Test: / Test Date: November 20, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38109-3622Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 12 per rowNumber Rows: 2Door Length: 20.1"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 38109-3622

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96332	0.00	838	11070	16.9
Fan description:	0.05	835	10400	15.4
36" direct drive, ½ hp GE 5KCP49UN9806S	0.10	829	9640	14.0
motor, steel housing, plastic shutter	0.15	826	8880	12.4
and guard	0.20	822	8070	11.0
	0.25	816	6700	8.8
	0.30	811	5280	6.7
