

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96362 Series/Test: / Test Date: November 27, 1996 File Name: **Fan**Make: Chore-TimeModel #: 39009-3622Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 12Number Rows: 2Door Length: 20.1"Location: intake**Other Attachments**discharge cone 24.5" deep, 45" o.d.**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: galvanizedIntake Area: -Discharge Area: 36.5"Depth: 22" top
21" bottom**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

CHORE-TIME 39009-3622

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96362	0.00	843	12110	19.0
Fan description:	0.05	838	11470	17.3
36" direct drive, ½ hp GE 5KCP49UN9806S	0.10	834	10730	15.5
motor, galvanized steel housing, plastic shutter,	0.15	828	9940	14.0
guard and discharge cone	0.20	823	8900	12.0
	0.25	816	7690	10.0
	0.30	808	5490	6.8
