

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96363 Series/Test: / Test Date: November 27, 1996 File Name: **Fan**Make: Chore-TimeModel #: 39009-3621Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: AluminumNumber Doors: 10Number Rows: 2Door Length: 20.3"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 39009-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96363	0.00	843	12250	19.4
Fan description:	0.05	838	11580	17.7
36" direct drive, ½ hp GE 5KCP49UN9806S	0.10	832	10820	16.0
motor, galvanized steel housing, aluminum shutter,	0.15	829	9990	14.1
guard and discharge cone	0.20	823	8950	12.2
	0.25	818	7890	10.4
	0.30	810	5880	7.5