

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96068 Series/Test: / Test Date: April 2, 1996 File Name: **Fan**Make: Chore-TimeModel #: 37124-3621Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade Revcor 27139 1/8/96-A**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 #: 5KCP49UN9806Serial #: -H.P.: 1/2Amps: 3.7/3.6Volts: 208-230RPM: 850S.F.: 1.0Drive Pulley Dia.: 56directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: 42.5"x43.5"Discharge Area: 40"x40"Depth: 26.5"**Guards**Description: welded wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 37124-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96068	0.00	834	10980	16.4
Fan description:	0.05	832	10220	14.8
36" direct drive, GE 5KCP49UN9806	0.10	828	9420	13.2
motor, galvanized box housing,	0.15	825	8450	11.7
aluminum shutter and guard	0.20	820	7490	10.0
	0.25	812	6330	8.1
	0.30	4590	4590	5.6
