

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96360 Series/Test: / Test Date: November 27, 1996 File Name: **Fan**Make: Chore-TimeModel #: 39010-3621Serial #: -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 #: 5KHC38SN21GTSerial #: -H.P.: 1/2Amps: 5.00/2.50Volts: 115/230RPM: 1725S.F.: 1.00Drive Pulley Dia.: AK26Axle Pulley Dia.: AK51Center Spacing: -**Housing**Material: galvanizedIntake Area: -Discharge Area: 36.5"Depth: 22" top
21" bottom**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

CHORE-TIME 39010-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96360	0.00	879	11960	20.0
Fan description:	0.05	873	11270	17.7
36" belt drive, ½ hp GE 5KHC38SN21GT	0.10	869	10560	16.0
motor, galvanized steel housing, aluminum,	0.15	863	9830	14.1
guard and discharge cone	0.20	858	8950	12.1
	0.25	853	7910	10.4
	0.30	847	6000	7.4
