

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96324 Series/Test: / Test Date: November 19, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38791-3621Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 3.5"**Blade**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 #: 5KHC38SN21GTSerial #: RKL052637H.P.: 1/2Amps: 5.0/2.5Volts: 115/230RPM: 1725S.F.: 1.00Drive Pulley Dia.: AK26Axle Pulley Dia.: AK51Center Spacing: -**Housing**Material: galv. steelIntake Area: 42.5"x42.5"Discharge Area: 40.3"x40.3"Depth: 25.3" top
23.8" bottom**Guards**Description: wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38791-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96324	0.00	868	10520	16.4
Fan description:	0.05	865	9840	14.7
36" belt drive, ½ hp GE 5KHC38SN21GT	0.10	860	9140	13.2
motor, steel slant housing, aluminum shutter	0.15	857	8260	11.5
and guard	0.20	853	7370	9.9
	0.25	846	6280	8.0
	0.30	836	4940	5.8