

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96323 Series/Test: / Test Date: November 19, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38791-3622Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 3.5"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 12 per rowNumber Rows: 2Door Length: 20.1"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 38791-3622

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96323	0.00	871	10590	16.5
Fan description:	0.05	865	10010	14.8
36" belt drive, ½ hp GE 5KHC38SN21GT	0.10	863	9330	13.4
motor, steel slant housing, plastic shutter	0.15	858	8640	12.1
and guard	0.20	855	7750	10.5
	0.25	850	6780	8.9
	0.30	843	5390	6.7
