

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96201 Series/Test: / Test Date: August 13, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38591-3621Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -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 #: -H.P.: 1/2Amps: 5.00/2.50Volts: 115/230RPM: 1725S.F.: 1.00Drive Pulley Dia.: 2.6"o.d.Axle Pulley Dia.: 5"o.d.Center Spacing: -**Housing**Material: FiberglassIntake Area: 40"x39.5"Discharge Area: 36.5" dia.Depth: 23"**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

CHORE-TIME 38591-3621

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96201	0.00	890	11310	17.1
Fan description:	0.05	888	10600	15.6
36" direct drive, ½ hp GE 5KHC38SN21GT	0.10	885	9890	14.2
motor, fiberglass housing, aluminum shutter	0.15	884	9060	12.8
and guard	0.20	882	7910	11.1
	0.25	883	6830	9.6
	0.30	885	5180	7.5
