

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96361 Series/Test: / Test Date: November 27, 1996 File Name: **Fan**Make: Chore-TimeModel #: 39010-3622Serial #: -Manufacturer: Chore-TimeBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: PlasticNumber Doors: 12Number Rows: 2Door Length: 20.1"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 39010-3622

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96361	0.00	871	11680	19.4
Fan description:	0.05	870	11030	17.3
36" belt drive, ½ hp GE 5KHC38SN21GT	0.10	865	10370	15.4
motor, galvanized steel housing, plastic shutter,	0.15	860	9590	13.6
guard and discharge cone	0.20	855	8680	11.8
	0.25	850	7600	9.9
	0.30	842	5810	7.1
