

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96321 Series/Test: / Test Date: November 19, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38440-4822Serial #: -Manufacturer: Chore-TimeBlade Size: 48"Orifice Dia.: 48.5"**Blade**Number: 2Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 15 per rowNumber Rows: 2Door Length: 26.2"Location: intake**Other Attachments****Motor**Make: EmersonModel #: K63ZZEDDSerial #: H.P.: 1Amps: 5.2Volts: 230RPM: 850S.F.: 1.0Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: Discharge Area: 52.3"x52.3"Depth: 21"**Guards**Description: wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38440-4822

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96321	0.00	855	18100	20.7
Fan description:	0.05	850	16800	18.3
48" direct drive, 1 hp Emerson	0.10	845	15500	16.3
K63ZZEDD motor, steel box housing,	0.15	842	14000	14.1
plastic shutter and guard	0.20	837	12200	11.8
	0.25	831	10300	9.6
	0.30	824	7300	6.5
