

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96327 Series/Test: / Test Date: November 20, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38786-4821Serial #: -Manufacturer: Chore-TimeBlade Size: 48"Orifice Dia.: 48.5"**Blade**Number: 2Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 13 per rowNumber Rows: 2Door Length: 26.3"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: 52.4"x52.4"Depth: 32.5" top
30" bottom**Guards**Description: welded wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38786-4821

	Static Pressure	Speed	Airflow	Efficiency
Test: 96327	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
	0.00	857	18500	21.7
Fan description:	0.05	852	17300	19.3
48" direct drive, 1 hp Emerson	0.10	848	16000	17.1
K63ZZEDD motor, steel slant housing,	0.15	843	14600	14.9
aluminum shutter and guard	0.20	838	12800	12.5
	0.25	834	11200	10.6
	0.30	823	7600	6.7
