

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96315 Series/Test: / Test Date: November 19, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38441-4822Serial #: -Manufacturer: Chore-TimeBlade Size: 48"Orifice Dia.: 48.5"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 15 per rowNumber Rows: 2Door Length: 26.2"Location: intake**Other Attachments**Discharge cone 24.4" deep, 56.5" o.d.**Motor**Make: GEModel #: 5KCR49SN0293TSerial #: WJJ15006H.P.: 1Amps: 9.6/5.2-4.8Volts: 115/208-230RPM: 1725S.F.: 1.0Drive Pulley Dia.: 2.8" o.d.
AK28Axle Pulley Dia.: 8.5" o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: Discharge Area: 48.5" o.d.Depth: 22"**Guards**Description: wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

CHORE-TIME 38441 -4822

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96315	0.00	555	21700	24.1
Fan description:	0.05	554	20400	21.5
48" belt drive, 1 hp GE 5KCR49SN0293	0.10	552	19000	19.0
motor, steel housing, plastic shutter,	0.15	550	17600	16.9
guard and discharge cone	0.20	549	15800	14.8
	0.25	549	13200	12.0
	0.30	547	10000	9.0
