

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96311 Series/Test: / Test Date: November 19, 1996 File Name: **Fan**Make: Chore-TimeModel #: 38434-4821Serial #: -Manufacturer: Chore-TimeBlade Size: 48"Orifice Dia.: 48.5"**Blade**Number: 3Shape: 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: 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: 52.4"x52.4"Depth: 28"**Guards**Description: welded wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

CHORE-TIME 38434-4821

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96311	0.00	552	19700	19.8
Fan description:	0.05	551	18600	18.1
48" belt drive, 1 hp GE 5KCR49SN0293T	0.10	549	17500	16.5
motor, steel box housing, aluminum shutter	0.15	549	16300	15.1
and guard	0.20	549	14800	13.4
	0.25	548	12800	11.5
	0.30	548	8400	7.4
