

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 97334 Series/Test: / Test Date: December 9, 1997 File Name: **Fan**Make: Munters EuroemmeModel #: 450ConeSerial #: -Manufacturer: EuroemmeBlade Size: 48.8"Orifice Dia.: 49.5"**Blade**Number: 6Shape: propellerMaterial: stainless steelPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: galvanized steelNumber Doors: 10Number Rows: 1Door Length: 51"Location: intake**Other Attachments**discharge cone 24.5" deep, 61.5" o.d., 49.5" i.d.
centrifugally operated shutter opener**Motor**Make: MagnetekModel #: 8-158719-01Serial #: -H.P.: 1.0Amps: 4.8/9.6Volts: 230/115RPM: 1725S.F.: 1.0Drive Pulley Dia.: 3.8"o.d.
BK36Axle Pulley Dia.: 13.3"o.d.Center Spacing: -**Housing**Material: galv. steelIntake Area: 51" x 51"Discharge Area: 49.5" dia.Depth: 16.5"**Guards**Description: wireSpacing: 2.3"Location: exhaust

TEST RESULTS

EUROEMME 450CONE

Test: 97334	Static Pressure <u>in. water</u>	Speed <u>rpm</u>	Airflow <u>cfm</u>	Efficiency <u>cfm/Watt</u>
	0.00	426	22000	22.4
Fan description:	0.05	424	21200	20.3
48" belt drive, 1 hp Magnetek 8-158719-01	0.10	423	20100	18.2
motor, galvanized steel housing, galv. steel	0.15	421	19000	16.4
shutter w/ automatic opener, guard and	0.20	421	17500	14.4
discharge cone	0.25	420	15600	12.4
	0.30	419	11600	9.0
