

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93373 Series/Test: / Test Date: October 19, 1993 File Name: **Fan**Make: AVSModel #: MXB-3650Serial #: -Manufacturer: AVSBlade Size: 35.8"Orifice Dia.: 36"**Blade**Number: 3Shape: propellerMaterial: fiberglassPitch: -Clearance: .25"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 12 per rowNumber Rows: 2Door Length: 17.4"Location: intake**Other Attachments****Motor**Make: MagnetekCat. #: C580Serial #: -H.P.: 1/2Amps: 3.2/6.4Volts: 230/115RPM: 1725S.F.: 1.0Drive Pulley Dia.: 3.0"Axle Pulley Dia.: 6.8"Center Spacing: -**Housing**Material: fiberglassIntake Area: 36.8"x37.8"Discharge Area: 36" dia.Depth: 31.4" top
25.5" bottom**Guards**Description: wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM MXB-3650

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93373	0.00	856	9940	16.4
Fan description:	0.05	855	8960	14.4
36" belt drive, 1/2 hp Magnetek C580	0.10	854	8050	12.8
motor, fiberglass housing, plastic shutter	0.15	854	7000	11.1
and guard	0.20	853	5620	8.7
	0.25	851	4230	6.4
	0.30	848	2980	4.3
