

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 92011 Series/Test: / Test Date: Jan. 7, 1992 File Name: **Fan**Make: AirstreamModel #: MM3650Serial #: Manufacturer: AirstreamBlade Size: 38.3"Orifice Dia.: 36.1"**Blade**Number: 3Shape: propellerMaterial: fiberglassPitch: -Clearance: Scotes designHub Diameter: 4"**Shutter**Material: plasticNumber Doors: 14 per rowNumber Rows: 3Door Length: 13.4"Location: intake**Other Attachments**Cone 23" deep**Motor**Make: Franklin ElectricModel #: 12310 0 7400Serial #: H.P.: 1/2Amps: 5.0/2.5Volts: 115/230RPM: 1725S.F.: 1.25 (6.0/3.0)SFADrive Pulley Dia.: 3.5"Axle Pulley Dia.: 7"Center Spacing: 12"**Housing**Material: fiberglassIntake Area: 41.8" x 42Discharge Area: 42.3"Depth: 41.5"**Guards**Description: Plast. coat wireSpacing: 1.8" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM MM-3650

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 92011	0.00	834	11800	18.5
Fan description:	0.05	832	10900	16.5
36" belt drive, 1/2 hp Franklin 12310 0 7400	0.10	831	9900	14.7
motor, fiberglass housing / discharge cone,	0.15	830	8800	12.9
plastic shutter and guard	0.20	831	7300	10.8
	0.25	835	4800	7.7
