

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94300 Series/Test: / Test Date: October 13, 1994 File Name: **Fan**Make: AirstreamModel #: MB-10Serial #: -Manufacturer: GSIBlade Size: 10"Orifice Dia.: 10.4"**Blade**Number: 6Shape: propellerMaterial: fiberglassPitch: -Clearance: .2"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 1Number Rows: 3Door Length: 9.1"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: JF1K015NSerial #: -H.P.: 1/6Amps: .84Volts: 208-230RPM: 3300S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: 10.3"x10.3"Discharge Area: 10.4" dia.Depth: 17.5" top
12" bottom**Guards**Description: wireSpacing: 1" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM MB-10

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 94300	0.00	3276	920	5.6
Fan description:	0.05	3275	890	5.5
10" direct drive, 1/6 hp Magnetek JF1K015N	0.10	3279	850	5.3
motor, fiberglass housing, plastic shutter	0.15	3290	800	5.1
and guard	0.20	3303	730	4.8
	0.25	3321	590	4.1
	0.30	3306	550	3.6