

**Bioenvironmental and Structural Systems Lab
Fan Description Form**Project Number: 94215 Series/Test: / Test Date: June 30, 1994 File Name: **Fan**Make: AirstreamModel #: GPMA-1833Serial #: -Manufacturer: GSIBlade Size: 19.3" dia.Orifice Dia.: 18.3"**Blade**Number: 6Shape: propellerMaterial: fiberglassPitch: -Clearance: N/A - Scot's designHub Diameter: -**Shutter**Material: plasticNumber Doors: 8 per rowNumber Rows: 2Door Length: 12.3"Location: intake**Other Attachments**Discharge cone is integral component of housing

Note: Leading and trailing edge of blade ground

MotorMake: MagnetekModel #: C043Serial #: -H.P.: 1/3Amps: 3.8/1.9Volts: 115/230RPM: 1725S.F.: 1.00Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: -Discharge Area: 24.8"Depth: 32.5" top
28.5" bottom**Guards**Description: wireSpacing: 1.8" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM GPMA-1833

Test: 94215	Static Pressure <u>in. water</u>	Speed <u>rpm</u>	Airflow <u>cfm</u>	Efficiency <u>cfm/Watt</u>
	0.00	1727	3910	11.7
Fan description:	0.05	1727	3720	10.7
18" direct drive, 1/3 hp Emerson K55HXCZ-6701	0.10	1724	3540	10.0
motor, fiberglass housing / discharge cone,	0.15	1720	3330	9.0
plastic shutter and guard	0.20	1717	3120	8.2
	0.25	1716	2850	7.4
	0.30	1715	2540	6.5
