

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94182 Series/Test: / Test Date: May 26, 1994 File Name: **Fan**Make: AirstreamModel #: GPMA-24Serial #: -Manufacturer: GSIBlade Size: 25.8"Orifice Dia.: 24"**Blade**Number: 4Shape: propellerMaterial: fiberglassPitch: -Clearance: Scotes designHub Diameter: -**Shutter**Material: plasticNumber Doors: 11Number Rows: 2Door Length: 16.6"Location: intake**Other Attachments**cone is an integral component of housing**Motor**Make: A.O. SmithModel #: F56A04A55Serial #: -H.P.: 1/2Amps: 4.8/2.4Volts: 115/230RPM: 1145S.F.: 1.15Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: 34.8"x35"Discharge Area: 30.7"dia.Depth: 29" top
27" bottom**Guards**Description: wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM GPMA-24

Test: 94182	Static Pressure <u>in. water</u>	Speed <u>rpm</u>	Airflow <u>cfm</u>	Efficiency <u>cfm/Watt</u>
	0.00	1134	7570	15.0
Fan description:	0.05	1131	7180	13.9
24" direct drive, 1/2 hp A.O. Smith F56A04A55	0.10	1128	6730	12.8
motor, fiberglass housing / discharge cone,	0.15	1125	6260	11.7
plastic shutter and guard	0.20	1125	5740	10.6
	0.25	1125	5040	9.3
	0.30	1125	4010	7.5
