

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94224 Series/Test: / Test Date: July 8, 1994 File Name: **Fan**Make: AirstreamModel #: GPMA-14Serial #: -Manufacturer: GSIBlade Size: 15.8"Orifice Dia.: 14"**Blade**Number: 6Shape: propellerMaterial: PlasticPitch: naClearance: -Hub Diameter: 4.8"**Shutter**Material: plasticNumber Doors: 8 per rowNumber Rows: 2Door Length: 11.5"Location: intake**Other Attachments**discharge cone integral component of housing**Motor**Make: GEModel #: 5KCP35FNA5663SSerial #: -H.P.: 1/6Amps: 2.6/1.3Volts: 115/230RPM: 1725S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: 25" x 25"Discharge Area: 22" dia.Depth: 27"**Guards**Description: painted wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM GPMA-14

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 94224	0.00	1665	2380	7.7
Fan description:	0.05	1661	2250	7.2
14" direct drive, 1/6 hp GE5KCP35FNA563S	0.10	1661	2120	6.7
motor, fiberglass housing / discharge cone,	0.15	1663	1980	6.3
plastic shutter and guard	0.20	1663	1810	5.8
	0.25	1671	1590	5.3
	0.30	1684	1260	4.5
