

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94238 Series/Test: / Test Date: August 17, 1994 File Name: **Fan**Make: AirstreamModel #: GP1416Serial #: -Manufacturer: GSIBlade Size: 13.4"Orifice Dia.: 14.8"**Blade**Number: 6Shape: propellerMaterial: fiberglassPitch: -Clearance: .4"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 6Number Rows: 1Door Length: 14.5"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: HF2F024NSerial #: -H.P.: 1/6Amps: 1.1/2.1Volts: 230/115RPM: 1725S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: 15.8"x16.5"Discharge Area: 14.3" dia.Depth: 25.5" top
18" bottom**Guards**Description: wireSpacing: 1.5"Location: exhaust

TEST RESULTS

AIRSTREAM GP-14

	Static Pressure	Speed	Airflow	Efficiency
Test: 94238	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
	0.00	1680	2010	8.4
Fan description:	0.05	1679	1910	8.0
14" direct drive, 1/6 hp Magnetek HF2F024N	0.10	1683	1780	7.6
motor, fiberglass housing, plastic shutter	0.15	1689	1580	7.0
and guard	0.20	1703	1090	5.3
	0.25	1696	990	4.6
	0.30	1688	900	4.0
