

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94018 Series/Test: / Test Date: February 23, 1994 File Name: **Fan**Make: AirstreamModel #: MMPS-4810Serial #: -Manufacturer: GSIBlade Size: 50"Orifice Dia.: 49"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: na - ScotcsHub Diameter: -**Shutter**Material: aluminumNumber Doors: 18 per rowNumber Rows: 2Door Length: 26.6"Location: intake**Other Attachments**Cone 55" o.d.**Motor**Make: MagnetekPart #: 1-181617Serial #: -H.P.: 1Amps: 4.3/8.6Volts: 230/115RPM: 1725S.F.: 1.4Drive Pulley Dia.: 4.2" variAxle Pulley Dia.: 10"Center Spacing: -**Housing**Material: FiberglassIntake Area: 55" x 55"Discharge Area: 55" dia.Depth: 52" top
41" bottom**Guards**Description: wireSpacing: 1.8" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM MMPS-4810

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 94018	0.00	622	21800	20.8
Fan description:	0.05	620	20800	19.2
48" belt drive, 1 hp Magnetek 1-181617	0.10	618	19500	17.3
motor, fiberglass housing, aluminum	0.15	617	18300	15.6
shutter and discharge cone	0.20	617	16800	14.1
	0.25	615	15200	12.5
