

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96367 Series/Test: / Test Date: December 3, 1996 File Name: **Fan**Make: AVSModel #: APP-18Serial #: -Manufacturer: GSIBlade Size: 19"Orifice Dia.: 19.5"**Blade**Number: 4Shape: propellerMaterial: fiberglassPitch: -Clearance: 0.3"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 6 per rowNumber Rows: 2Door Length: 11.4"Location: intake**Other Attachments**discharge cone 22" deep, 24.8" o.d.**Motor**Make: AVSModel #: 8-187269Serial #: -H.P.: 1/3Amps: 3.4/1.7Volts: 115/230RPM: 1725S.F.: 1.0Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: -Discharge Area: 19.5" dia.Depth: 21" top
18.5" bottom**Guards**Description: wireSpacing: 1.6" concentricLocation: exhaust

TEST RESULTS

AIRSTREAM APP18

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96367	0.00	1743	5090	11.8
Fan description:	0.05	1741	4890	11.0
18" direct drive, 1/3 hp AVS 187269	0.10	1739	4720	10.6
motor, plastic housing, plastic shutter,	0.15	1735	4470	9.7
guard and discharge cone	0.20	1733	4250	9.0
	0.25	1732	3980	8.4
	0.30	1732	3590	7.5
