

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 96366 Series/Test: / Test Date: December 3, 1996 File Name: **Fan**Make: AVSModel #: APP-36Serial #: -Manufacturer: GSIBlade Size: 37.6"Orifice Dia.: 38"**Blade**Number: 3Shape: propellerMaterial: fiberglassPitch: -Clearance: 0.2"Hub Diameter: -**Shutter PS-43**Material: pvcNumber Doors: 11 per rowNumber Rows: 2Door Length: 20.9"Location: intake**Other Attachments**Discharge cone 27" deep, 44"o.d.**Motor**Make: MagnetekModel #: 8-181283Serial #: -H.P.: 1/2Amps: 3.3Volts: 230RPM: 850S.F.: 1Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: fiberglassIntake Area: -Discharge Area: 38" dia.Depth: 31" top
26.5" bottom**Guards**Description: wireSpacing: 1" x 2"Location: exhaust

TEST RESULTS

AIRSTREAM APP36

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 96366	0.00	835	12290	22.2
Fan description:	0.05	830	11310	19.6
36" direct drive, ½ hp AVS 8-181283	0.10	825	10360	17.1
motor, fiberglass housing, plastic shutter,	0.15	817	9220	14.8
guard and discharge cone	0.20	815	7710	11.9
	0.25	809	5410	8.2
