

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93239 Series/Test: / Test Date: 7/15/93 File Name: **Fan**Make: AerotechModel #: AT365Z1Serial #: -Manufacturer: AerotechBlade Size: 35.8"Orifice Dia.: 36.3**Blade**Number: 3Shape: propellerMaterial: aluminumPitch: -Clearance: .3"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 9Number Rows: 2Door Length: 19.6"Location: intake**Other Attachments**Discharge cone, 25" deep, 46.3" o.d., 36.3" i.d.**Motor**Make: MagnetekPart #: 8-177509Serial #: -H.P.: 1/2Amps: 2.4/4.8Volts: 230/115RPM: 1725S.F.: 1.3Drive Pulley Dia.: 3.3"Axle Pulley Dia.: 7.3"Center Spacing: -**Housing**Material: fiberglassIntake Area: -Discharge Area: 36.3" dia.Depth: 24"**Guards**Description: plastic coated
wireSpacing: 2" concentricLocation: exhaust

TEST RESULTS

AEROTECH AT365Z1CA

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93239	0.00	773	12570	21.4
Fan description:	0.05	772	11800	19.4
36" belt drive, 1/2 hp Magnetek 8-177509	0.10	770	10880	17.1
motor, fiberglass housing, aluminum shutter,	0.15	768	9890	15.2
guard and discharge cone	0.20	768	8020	12.4
	0.25	772	4550	7.6
