

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 95098 Series/Test: / Test Date: March 30, 1995 File Name: **Fan**Make: AerotechModel #: GB36T1PSerial #: -Manufacturer: AerotechBlade Size: 36"Orifice Dia.: 36.8"**Blade**Number: 3Shape: propellerMaterial: galv. steelPitch: -Clearance: .4"Hub Diameter: -**Shutter**Material: plasticNumber Doors: 12 per rowNumber Rows: 2Door Length: 20.1"Location: intake**Other Attachments****Motor**Make: MagnetekModel #: HF4USerial #: -H.P.: 1/2Amps: 3.5Volts: 115/230RPM: 825S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: galv. steelIntake Area: 42.3"x42.3"Discharge Area: 40"x40.2"Depth: 33" top
21.5" bottom**Guards**Description: welded wireSpacing: 2" x 2"Location: exhaust

TEST RESULTS

AEROTECH GB36T1P

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 95098	0.00	842	10140	17.9
Fan description:	0.05	838	9650	16.3
36" direct drive, 1/2 hp Magnetek HF4U	0.10	833	9120	14.9
motor, galvanized steel slant housing,	0.15	829	8520	13.4
plastic shutter and guard	0.20	821	7820	11.8
	0.25	814	6900	10.0
	0.30	805	5820	8.2
