

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 92060 Series/Test: / Test Date: March 9, 1992 File Name: **Fan**Make: Future ProductsModel #: SBF36Serial #: Manufacturer: Future ProductsBlade Size: 36"Orifice Dia.: 36.3"**Blade**Number: 6Shape: propellerMaterial: galv. steelPitch: 23 deg.Clearance: .2"Hub Diameter: --**Shutter**Material: aluminumNumber Doors: 9Number Rows: 2Door Length: 21"Location: intake**Other Attachments****Motor**Make: MarathonModel #: WVN56B17T19ASerial #: H.P.: 1/2Amps: 5.8/2.9Volts: 115/230RPM: 1725S.F.: 1Drive Pulley Dia.: 4.4"
variableAxle Pulley Dia.: 11.4"Center Spacing: --**Housing**Material: galv. steelIntake Area: 44.4"x44.4"Discharge Area: 44.4"x44.4"Depth: top 34"
bottom 24"**Guards**Description: wire meshSpacing: 1" x 2"Location: exhaust

TEST RESULTS

FUTURE PRODUCTS SBF-36

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 92060	0.00	539	11220	20.1
Fan description:	0.05	536	10360	17.9
36" belt drive, 1/2 hp Marathon WVN56B17T19A	0.10	533	9520	15.9
motor, galvanized steel slant housing,	0.15	531	8250	13.4
aluminum shutter and guard	0.20	528	6400	10.1
	0.25	529	4280	6.9
