

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 92250 Series/Test: / Test Date: October 19, 1992 File Name: **Fan**Make: Better AirModel #: LPF3600Serial #: -Manufacturer: Better AirBlade Size: 36"Orifice Dia.: 36.5"**Blade**Number: 3Shape: propellerMaterial: fiberglass reinforced
plasticPitch: -Clearance: .3"Hub Diameter: 8.6"**Shutter**Material: plasticNumber Doors: 18 per rowNumber Rows: 2Door Length: 19"Location: intake**Other Attachments**discharge cone 18" deep**Motor**Make: LeesonModel #: M6K17FB35ASerial #: -H.P.: 3/4Amps: 6.4/3.2Volts: 115/208-230RPM: 1725S.F.: 1.15Drive Pulley Dia.: 3" O.D.Axle Pulley Dia.: 8.4" O.D.Center Spacing: -**Housing**Material: plasticIntake Area: 39" x 39"Discharge Area: 36.5" dia.Depth: 25.5"**Guards**Description: painted wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

BETTER AIR LPF3600

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 92250	0.00	539	11920	17.5
Fan description:	0.05	538	11050	15.7
36" belt drive, 3/4 hp Leeson M6K17FB35A	0.10	537	9890	13.8
motor, plastic housing, plastic shutter,	0.15	535	7970	10.9
guard and discharge cone	0.20	535	4610	6.3
	0.25	533	3640	4.7
