

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 93257 Series/Test: / Test Date: July 19, 1993 File Name: **Fan**Make: Del-AirModel #: 6KSerial #: MF6K-100Manufacturer: Del-AirBlade Size: 27.3"Orifice Dia.: 27.7"**Blade**Number: 6Shape: propellerMaterial: plasticPitch: -Clearance: .2"Hub Diameter: 7.9"**Shutter** Butterfly damperMaterial: plasticNumber Doors: 2Number Rows: naDoor Length: naLocation: exhaust**Other Attachments**Wind hood 41" deep**Motor**Make: FascoModel #: 7128-0348Serial #: H.P.: 1/3Amps: 1.8Volts: 230RPM: 850S.F.: -Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: plasticIntake Area: Discharge Area: 27.7" dia.Depth: 14"**Guards**Description: stainless steelSpacing: 2" concentricLocation: intake

TEST RESULTS

DEL AIR NORTHWIND 6K

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 93257	0.00	812	6640	16.9
Fan description:	0.05	804	6190	15.1
27" direct drive, 1/3 hp Fasco 7128-0348	0.10	798	5800	13.6
motor, plastic housing, butterfly damper,	0.15	793	5300	12.1
guard and wind hood	0.20	789	4710	10.7
	0.25	800	3800	9.1
	0.30	789	2370	5.5
