

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 91224 Series/Test: / Test Date: 12/26/91 File Name: **Fan**Make: RaydotModel #: FWL3611Serial #: Manufacturer: RaydotBlade Size: 36"Orifice Dia.: 36.8"**Blade**Number: 3Shape: propellerMaterial: galvanized steelPitch: Clearance: .4"Hub Diameter: --**Shutter**Material: plasticNumber Doors: 13 per rowNumber Rows: 2Door Length: 18.2"Location: intake**Other Attachments****Motor**Make: MagnetekPart # 8-181283-01Serial #: H.P.: 1/2Amps: 2.7Volts: 230RPM: 850S.F.: 1Drive Pulley Dia.: directAxle Pulley Dia.: driveCenter Spacing: --**Housing**Material: fiberglassIntake Area: 36" x 36"Discharge Area: 35.8"Depth: 31.5" top
28.5" bottom**Guards**Description: platic coated
wireSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

RAYDOT FW-3611DD

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 91224	0.00	850	9840	20.2
Fan description:	0.05	846	9140	18.0
36" direct drive, 1/2 hp Magnetek 8-181283-01	0.10	842	8250	15.5
motor, fiberglass housing, plastic shutter	0.15	838	7280	13.2
and guard	0.20	832	6160	10.7
	0.25	822	4920	8.0
