

Bioenvironmental and Structural Systems Lab
Fan Description FormProject Number: 94194 Series/Test: / Test Date: June 1, 1994 File Name: **Fan**Make: AcmeModel #: DDPS14B4-CSerial #: -Manufacturer: AcmeBlade Size: 14"Orifice Dia.: 14.4"**Blade**Number: 4Shape: propellerMaterial: Stainless steelPitch: 31 deg.Clearance: .2"Hub Diameter: -**Shutter**Material: aluminumNumber Doors: 6Number Rows: 1Door Length: 16"Location: intake**Other Attachments**Discharge cone 18" o.d., 10.5" deep**Motor**Make: G.E.Model #: 5KCP39BGL008ASSerial #: -H.P.: 1/10Amps: 1.20/.60Volts: 115/230RPM: 1625S.F.: -Drive Pulley Dia.: DirectAxle Pulley Dia.: driveCenter Spacing: -**Housing**Material: PlasticIntake Area: 18.8"x18"Discharge Area: 14.4" dia.Depth: 21" top
16" bottom**Guards**Description: plastic coatedSpacing: 1.5" concentricLocation: exhaust

TEST RESULTS

ACME DDPS14B4-C

	Static Pressure	Speed	Airflow	Efficiency
	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	<u>cfm/Watt</u>
Test: 94194	0.00	1593	1720	12.5
Fan description:	0.05	1580	1620	11.4
14" direct drive, 1/10 hp GE 5KCP39BGL008AS	0.10	1566	1500	10.2
motor, plastic housing, aluminum shutter,	0.15	1554	1280	8.5
guard and discharge cone	0.20	1541	621	4.0
