Project Number :02204bd		Test Date:	June 19, 2002	
Fan Make:	Big Dutchman	<b>Motor</b> Make:	Marathon	
Model #:	60-48-5001	Model #:	8VM56T17T5549E	
Manufacturer	r: Canarm	<i>H.P.</i> :	1	
Blade Size:	48.3"	Amps:	4.6/2.3	
Orifice Dia.:	49"	Volts:	208-230/460 3 phase	
Blade		RPM:	1715	
Number:	3	<i>S.F.</i> :	1.00	
Shape:	propeller	During		
Material:	galvanized steel	<b>Drive</b> Drive Pulley Dia. 3.5" o.d.		
Pitch:	-	Axle Pulley D	Dia.: 10" o.d.	
Clearance:	0.4"	<b>Housing</b> <i>Material</i> :	galvanized steel	
Shutter		maiertai.	garvanized steer	
Material:	plastic w/ s.s. frame	Intake Area:	51.5" x 51.7"	
# of Doors:	16 per column	Discharge Area: 49" dia.		
# of Columns	: 3	Depth:	27" top	
Door Length:	17.2"	Guards	15" bottom	
Location:	intake	Description:	wire	
		Spacing:	2" concentric	
Other Attachments: Discharge cone 29" deep, 49" i.d., 60" o.d.		Location:	exhaust	

## **Test Results**

BIG DUTCHMAN 60-48-5001	Static Pressure	Speed	Airflow	Efficiency
Test: 02204bd	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
• 3 phase	0.00	586	24,200	23.6
Fan description:	0.05	585	22,700	21.0
48" belt drive, 1 hp Marathon 8VM56T17T5549E motor,	0.10	584	21,000	18.8
galvanized steel slant housing, plastic shutter, guard	0.15	582	19,100	16.5
and discharge cone	0.20	581	16,600	13.8
	0.25	580	12,900	10.4
	0.30	579	7,500	6.1