Project Number: 05240	<b>Test Date</b> : July 12, 2005			
FanMake:American Coolair	Motor Make: Emerson			
Model #: MNBRDD52M 3 ph.	<i>Model #</i> : P63EYE-3913			
Manufacturer: American Coolair	Phase: 3			
Blade Size: 52.8"	<i>H.P.</i> : 1.5			
Orifice Dia.: 53.3"	<i>Amps</i> : 5.0-4.9/2.5//5.3-5.3/2.6			
Blade Number: 4	<i>Volts</i> : 208-230/460			
Shape: propeller	<i>RPM</i> : 1725//1425 60/50 hz <i>S.F.</i> : 1.15			
Material: painted steel				
Pitch: -	<b>Drive</b> Drive Pulley Dia. 3.0" o.d.			
Clearance: 0.3"	Axle Pulley Dia.: 9.5" o.d.			
Shutter Butterfly damper Housing				
Material: galvanized steel	Material: galvanized steel			
# of Doors: 2	Intake Area: 56" x 56"			
# of Columns: -	Discharge Area: 53.3" dia.			
Door Length: 55.5"	<i>Depth</i> : 22.5"			
Location: exhaust	<b>Guards</b> Description: wire			
Other Attachments:				
Discharge cone 40" deep, 53.3" i.d., 67.5" o	.d. Spacing: 2" x 2" intake 2" concentric, exhaust			
	Location: intake/exhaust			

## TEST RESULTS

AMERICAN COOLAIR MNBRDD52M 3 ph Test: 05240 ▲ 3 phase Fan description: 53" belt drive fan, 1.5 hp Emerson P63EYE-3913	Static Pressure <u>in. water</u> 0.00 0.05 0.10 0.15	Speed <u>rpm</u> 549 548 547 547	Airflow <u>cfm</u> 29,200 28,000 26,700 26,700	Efficiency <u>cfm/Watt</u> 23.6 21.3 19.7
motor, galvanized steel housing, butterfly damper,	0.15	546	25,000	17.6
discharge cone and guards	0.20	545	23,400	15.8
	0.25	544	21,700	14.2
	0.30	543	19,700	12.5