Project Number : 05237		Test Date:	July 12, 2005	
Fan Make:	American Coolair	Motor Make:	Baldor	
Model #:	MNBRDD52L 3 ph.	Model #:	RM3116TEAO	
Manufacturer	: American Coolair	Phase:	3	
Blade Size:	52.8"	<i>H.P.</i> :	1	
Orifice Dia.:	53.3"	Amps:	3.6/1.8//3.2/1.6	
Blade Number:	4	Volts:	190/380//230/460	
Shape:	propeller	RPM:	1425/1725 50/60 hz	
Material:	painted steel	S.F.:	1.15	
Pitch:	-	Drive Drive Pulley	Dia. 2.7" o.d.	
Clearance:	0.3"	Axle Pulley D	<i>bia</i> .: 9.5" o.d.	
Shutter Butter	• -	Housing		
Material:	galvanized steel	Material:	galvanized steel	
# of Doors:	2	Intake Area:	56" x 56"	
# of Columns	: -	Discharge Ar	<i>ea</i> : 53.3" dia.	
Door Length:	55.5"	Depth:	22.5"	
Location:	exhaust	Guards Description:	wire	
Other Attachments: Discharge cone 40" deep, 53.3" i.d., 67.5" o.d.		Spacing:	2" x 2" intake	
		Location:	2" concentric, exhaust intake/exhaust	

TEST RESULTS

AMERICAN COOLAIR MNBRDD52L 3 ph Test: 05237 3 phase	Static Pressure <u>in. water</u> 0.00	Speed <u>rpm</u> 491	Airflow <u>cfm</u> 26,500	Efficiency <u>cfm/Watt</u> 28.0
Fan description:	0.05	489	25,000	24.5
53" belt drive fan, 1 hp Baldor RM3116TEAO	0.10	488	23,300	21.5
motor, galvanized steel housing, butterfly damper,	0.15	486	21,500	18.9
discharge cone and guards	0.20	485	19,500	16.4
	0.25	483	17,100	13.7
	0.30	481	13,700	10.4