Project Number: 05233	<b>Test Date</b> : July 12, 2005			
FanMake:American Coolair	MotorMake:AO Smith			
Model #: MNBRDD52LE	<i>Model #</i> : 327P776			
Manufacturer: American Coolair	Phase: 1			
Blade Size: 52.8"	<i>H.P.</i> : 1			
Orifice Dia.: 53.3"	<i>Amps</i> : 11/5.5			
Blade Number: 4	<i>Volts</i> : 115/208-230			
Shape: propeller	<i>RPM</i> : 1725 <i>S.F.</i> : 1.30			
Material: painted steel	Drive			
Pitch: -	Drive Pulley Dia. 2.6" o.d.			
Clearance: 0.3"	Axle Pulley Dia.: 9.5" o.d.			
Shutter Butterfly damperMaterial:galvanized steel	Housing 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	Guards Description: wire			
Other Attachments: Discharge cone 40" deep, 53.3" i.d., 67.5" o.d.	<i>Spacing</i> : 2" x 2" intake 2" concentric, exhaust			
	Location: intake/exhaust			

## TEST RESULTS

AMERICAN COOLAIR MNBRDD52LE Test: 05233	Static Pressure <u>in. water</u> 0.00	Speed <u>rpm</u> 470	Airflow <u>cfm</u> 25,500	Efficiency cfm/Watt 29.3
Fan description:	0.05	469	23,900	25.4
53" belt drive fan, 1 hp AO Smith 327P776 motor,	0.10	467	22,100	22.3
galvanized steel housing, butterfly damper,	0.15	466	20,100	19.2
discharge cone and guards	0.20	464	18,100	16.5
	0.25	462	14,700	12.6
	0.30	461	10,200	8.8