Project Number: 01196		Test Date:	August 21, 2001		
Fan Make:	American Coolair	<b>Motor</b> Make:	AO Smith		
Model #:	MNBR52K	Model #:	92GC868		
Manufacturer	: American Coolair	<i>H.P.</i> :	3/4		
Blade Size:	53"	Amps:	6.8/3.4		
Orifice Dia.:	53.4"	Volts:	115/208-230		
<b>Blade</b> Number:	4	RPM:	1725		
Shape:	propeller	<i>S.F.</i> :	1.3		
Material:	galvanized steel	<b>Drive</b> Drive Pulley I			
Pitch:	-	Axle Pulley D	MA23 Dia.: 9.5"		
Clearance:	0.2"	<b>Housing</b> Material:	galvanized steel		
Shutter w/ bell mouth inlet					
Material:	aluminum	Intake Area:	56" x 57"		
# of Doors:	14	Discharge Ar	<i>ea</i> : 53.4" dia.		
# of Columns	: 1	Depth:	30.3" top 21.3" bottom		
Door Length:	54.6"	<b>Guards</b> Description:	wire		
Location:	intake	Spacing:	2" x 2"		
Other Attachments:					
Belt tensioner		Location:	exhaust		

## TEST RESULTS

## AMERICAN COOLAIR MNBR52K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01196	<u>in. water</u>	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	398	21,100	29.5
Fan description:	0.05	395	19,500	25.9
52" belt drive, 3/4 hp AO Smith 92GC868	0.10	393	17,700	22.5
motor, galvanized steel slant housing,,	0.15	390	14,700	18.0
aluminum shutter and guard	0.20	388	10,200	11.8
	0.25	381	3,000	3.1