Project Number: 01195		Test Date:	August 21, 2001		
Fan Make:	American Coolair	Motor 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		
Blade Number:	4	RPM:	1725		
Shape:	propeller	<i>S.F.</i> :	1.3		
Material:	galvanized steel	Drive Drive Pulley I	Dia. 2.3" MA23		
Pitch:	-	Axle Pulley D			
Clearance:	0.2"	Housing Material:	galvanized steel		
Shutter w/ bell	mouth inlet		5		
Material:	plastic	Intake Area:	56" x 57"		
# of Doors:	16	Discharge Area: 53.4" dia.			
# of Columns	3	Depth:	30.3" top 21.3" bottom		
Door Length:	17.1"	Guards Description:	wire		
Location:	intake	Spacing:	2" x 2"		
Other Attachments:					
Belt tensioner	CIII.3.	Location:	exhaust		

TEST RESULTS

AMERICAN COOLAIR MNBR52K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01195	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	396	20,600	28.1
Fan description:	0.05	393	18,600	24.3
52" belt drive, 3/4 hp AO Smith 92GC868	0.10	391	16,400	20.4
motor, galvanized steel slant housing,,	0.15	388	13,500	16.3
plastic shutter and guard	0.20	392	9,700	11.0
	0.25	385	5,400	5.9