Project Number: 01219		Test Date:	August 22, 2001	
Fan Make:	American Coolair	Motor Make:	AO Smith	
Model #:	MNBRC52K	Model #:	92GC868	
Manufacturer	: American Coolair	Н.Р.:	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	
snape.	propener	D		
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				
Material:	plastic	Intake Area:	56" x 57"	
# of Doors:	16	Discharge Are	<i>ea</i> : 53.4" dia.	
# of Columns	: 3	Depth:	30.3" top 21.3" bottom	
Door Length:	17.1"	Guards Description:	wire	
Location:	intake	*		
Other Attachm	ents [.]	Spacing:	2" concentric	
	e, 32.5" deep, 53.4" i.d., 64" o.d.	Location:	exhaust	

TEST RESULTS

AMERICAN COOLAIR MNBRC52K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01219	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	402	22,900	33.3
Fan description:	0.05	399	20,800	27.9
53" belt drive fan, 3/4 hp AO Smith 92GC868	0.10	397	18,400	23.0
motor, galvanized steel slant housing,	0.15	395	14,200	16.5
plastic bell mouth shutter, guard and	0.20	393	9,200	10.4
discharge cone	0.25	390	5,900	6.3