Project Number: 01127		Test Date:	May 23, 2001		
Fan Make:	American Coolair	<b>Motor</b> Make:	AO Smith		
Model #:	MNCFC52K	Model #:	92GC868		
Manufacturer	: American Coolair	<i>H.P.</i> :	3/4		
Blade Size:	52.8"	Amps:	6.8/3.4		
Orifice Dia.:	53.3"	Volts:	115/208-230		
Blade		RPM:	1725		
Number:	6	<i>S.F.</i> :	1.3		
Shape:	propeller				
Material:	steel	<b>Drive</b> Drive Pulley I	Dia. 3.0" o.d. Browning AK30		
Pitch:	-	Axle Pulley D	-		
Clearance:	0.3"	<b>Housing</b> <i>Material</i> :	galvanized steel		
Shutter			8		
Material:	plastic	Intake Area:	56.3" x 56.8"		
# of Doors:	16 per column	Discharge Area: 53.3" dia.			
# of Columns:	3	Depth:	34.5" top 25.3" bottom		
Door Length:	17.1"	Guards			
Location:	intake	Description:	wire		
		Spacing:	2" concentric		
Other Attachments:					
belt tensioner	e 32.5" deep, 53.3" i.d., 63.5" o.d.	Location:	exhaust		
uischarge colle	- 52.5 ueep, 55.5 I.u., 05.5 O.u.				

## TEST RESULTS

## AMERICAN COOLAIR MNCFC52K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01127	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	328	23,000	29.1
Fan description:	0.05	326	20,400	24.4
53" belt drive fan, 3/4 hp AO Smith 92GC868	0.10	326	17,700	20.3
motor, galvanized steel slant housing,	0.15	326	12,800	14.4
plastic shutter, guard and discharge cone	0.20	324	7,600	8.6
	0.25	323	3,700	3.9