Project Number: 01222		Test Date:	August 23, 2001	
Fan Make:	American Coolair	Motor Make:	AO Smith	
Model #:	MNEFC52K	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	4	RPM:	1725	
Number:	4	<i>S.F.</i> :	1.3	
Shape:	propeller	During		
Material:	galvanized steel	Drive Drive Pulley I		
Pitch:	-	Axle Pulley D	AK23 ia.: 9.5"	
Clearance:	0.2"	Housing Material:	galvanized steel	
Shutter w/ bell mouth inlet				
Material:	plastic	Intake Area:	56" x 57"	
# of Doors:	16	Discharge Are	ea: 53.4" dia.	
# of Columns	3	Depth:	30.3" top 21.3" bottom	
Door Length:	17.1"	Guards Description:	wire	
Location:	intake	I I I I I I I I I I I I I I I I I I I		
		Spacing:	2" concentric	
Other Attachm Discharge con Belt tensioner	ents: e, 32.5" deep, 53.4" i.d., 64" o.d.	Location:	exhaust	

TEST RESULTS

AMERICAN COOLAIR MNEFC52K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01222	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	405	21,600	30.2
Fan description:	0.05	402	19,300	25.1
53" belt drive, 3/4 hp AO Smith 92GC868	0.10	400	16,800	20.8
motor, galvanized steel slant housing,	0.15	398	13,400	16.0
plastic bell mouth shutter, guard	0.20	397	8,800	10.3
and discharge cone	0.25	393	5,900	6.4