Project Number: 01231		Test Date:	August 23, 2001	
Fan Make:	American Coolair	<b>Motor</b> Make:	Emerson	
Model #:	MNEFC52M	Model #:	T63ZZCDZ-1257	
Manufacturer	: American Coolair	<i>H.P.</i> :	1.5	
Blade Size:	53"	Amps:	13.2/6.7	
Orifice Dia.:	53.4"	Volts:	115/230	
<b>Blade</b> Number:	4	RPM:	1725	
Shape:	propeller	<i>S.F.</i> :	-	
Material:	galvanized steel	<b>Drive</b> Drive Pulley I	Dia. 2.8" AK28	
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	ea: 53.4" dia.	
# of Columns:	3	Depth:	30.3" top 21.3" bottom	
Door Length:	17.1"	<b>Guards</b> Description:	wire	
Location:	intake	- -	0.1	
Other Attachme Discharge con Belt tensioner	ents: e, 32.5" deep, 53.4" i.d., 64" o.d.	Spacing: Location:	2" concentric exhaust	

## TEST RESULTS

## AMERICAN COOLAIR MNEFC52M

	Static Pressure	Speed	Airflow	Efficiency
Test: 01231	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	501	26,800	22.0
Fan description:	0.05	499	25,400	19.7
53" belt drive, 1.5 hp Emerson T63ZZCDZ-1257	0.10	497	23,500	17.5
motor, galvanized steel slant housing,	0.15	495	21,600	15.4
plastic bell mouth shutter, guard	0.20	495	19,300	13.5
and discharge cone	0.25	493	16,700	11.4
	0.30	494	12,300	8.5