Project Number: 01086		Test Date:	May 21, 2001		
Fan Make:	American Coolair	Motor Make:	AO Smith		
Model #:	FGBR52L	Model #:	327P775		
Manufacturer	: American Coolair	<i>H.P.</i> :	1		
Blade Size:	53"	Amps:	11/5.5		
Orifice Dia.:	53.3"	Volts:	115/208-230		
Blade	4	RPM:	1725		
Number:	4	<i>S.F.</i> :	1.3		
Shape:	propeller	Drive			
Material:	stainless steel	Drive Pulley I	Dia 2.6" o.d.		
Pitch:	-	Axle Pulley Dia.: 9.8" o.d.			
Clearance:	0.2"	Housing Material:	fiberglass		
Shutter w/plastic bell mouth					
Material:	aluminum	Intake Area:	56" x 56"		
# of Doors:	14	Discharge Area: 53.3" dia.			
# of Columns:	1	Depth:	24" top 21.5" bottom		
Door Length:	54.6"	Guards Description:	wire		
Location:	intake				
Spacing: 2" concentric					
Discharge cone 27.1" deep, 53.3": i.d., 62" o.d. <i>Location</i> : exhaust belt tensioner					

TEST RESULTS

AMERICAN COOLAIR FGBR52L

	Static Pressure	Speed	Airflow	Efficiency
Test: 01086	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	466	27,400	29.1
Fan description:	0.05	464	25,800	25.1
53" belt drive fan, 1 hp AO Smith 327P775	0.10	461	24,000	21.7
motor, fiberglass housing, aluminum bell mouth	0.15	458	21,500	18.4
shutter, guard and discharge cone	0.20	455	18,600	15.0
	0.25	453	9,900	7.5