Project Number: 01246		Test Date:	August 23, 2001	
Fan Make:	American Coolair	Motor Make:	AO Smith	
Model #:	MNCFB48K	Model #:	92GC868	
Manufacturer	: American Coolair	<i>H.P.</i> :	3/4	
Blade Size:	49.2"	Amps:	6.8/3.4	
Orifice Dia.:	49.5"	Volts:	115/208-230	
Blade Number:	6	RPM:	1725 1.3	
Shape:	propeller	<i>S.F.</i> :		
Material:	painted steel	Drive		
Pitch:	-	Drive Pulley Dia. 3.2" AK32		
Clearance:	0.2"	Axle Pulley Dia.: 15.5" o.d.		
		Housing		
Shutter w/ bell Material:	mouth inlet plastic	Material:	galva	anized steel
# of Doors:	16	Intake Area:	56" 2	x 57"
# of Columns:	3	Discharge Area: 54.5" x 55"		
Door Length:		Depth:	30.3 21.3	" top " bottom
		Guards		
Location:	intake	Description:	wire	
Other Attachments: Belt tensioner		Spacing:	2" x 2"	
		Location:	exha	ust

TEST RESULTS

AMERICAN COOLAIR MNCFB48K

	Static Pressure	Speed	Airflow	Efficiency
Test: 01246	in. water	<u>rpm</u>	<u>cfm</u>	cfm/Watt
	0.00	353	17,900	25.3
Fan description:	0.05	351	16,400	22.4
49" belt drive, 3/4 hp AO Smith 92GC868	0.10	350	14,500	19.1
motor, galvanized steel slant housing,	0.15	350	11,800	15.0
plastic shutter and guard	0.20	349	8,000	10.0
	0.25	348	4,600	5.6