Project Numbo Fan	er: 99190	Test Date:	September 24, 1999	
Make:	American Coolair	<b>Motor</b> Make:	Baldor	
Model #:	MNBFC48M3P	Model #:	EM3554T	
Manufacturer				
Blade Size:	49.0" dia.	<i>H.P</i> .:	1.5	
Orifice Dia.:	49.4"	Amps:	4.2/2.1	
Blade		Volts:	230/460 3 phase	
Number:	6	RPM:	1750	
Shape:	propeller	<i>S.F.</i> :	1.15	
Material:	painted steel	<b>Drive</b>	D: 4.211 1	
Pitch:	-	, j	<i>Dia.</i> 4.3" o.d. AK44	
Clearance:	0.2"	Axle Pulley D	Dia.: 16" o.d.	
		Housing		
Shutter		Material:	galvanized steel	
Material:	aluminum	Intake Area:	51.5" x 52.5"	
# of Doors:	17 per column			
# of Columns: 2 Discharge Area: 54.5" x 54.5"				
Door Length:	25.3"	Depth:	30.4" top 21.5" bottom	
Ũ		Guards		
Location:	intake	Description:	wire	
Other Attachments: Discharge cone 28.5" deep, 49.4" i.d., 61" o.d.		Spacing:	2" concentric	
2100110190 001		Location:	exhaust	

TEST RESULTS				
AMERICAN COOLAIR MNBFC48M3P	Static Pressure	Speed	Airflow	Efficiency
Test: 99190 3 phase	in. water	rpm	<u>cfm</u>	cfm/Watt
3 phase	0.00	467	25,900	18.3
Fan description:	0.05	467	25,200	17.3
49" belt drive, 1.5 hp Baldor EM3554T	0.10	467	24,300	16.4
motor, galv. steel slant housing, aluminum	0.15	466	22,800	15.0
Shutter, guard and discharge cone	0.20	466	21,200	13.6
- •	0.25	465	19,500	12.4
	0.30	464	16,700	10.5