

Fan:
 Make- *Eurusfan*
 Model- *VFA2-50HO-E3IM-CR*
 Blade dia.- *51.0"*
 Orifice dia.- *51.6"*

Motor:
 Make- *Eurusdrive*
 Model- *YFE3-100L2B-8BX*
 KW *1.1*
 RPM- *705*
 Volts- *200V*
 Amps- *6.0A*
 Hz- *50*
 Phase- *3*
 S. F.- *1.15*

Shutter:
 Material- *PVC*
 # Doors- *16 per column*
 # Columns- *3*
 Door length- *17.6"*
 Location- *Intake*

Blade:
 Number- *3*
 Shape- *Propeller*
 Material- *Poly*
 Pitch- *-*
 Clearance- *0.3"*

Housing:
 Material- *Fiberglass*
 Intake area- *54"x54"*
 Discharge- *51.6"*
 Depth- *22.5"*

Guards:
 Description- *Wire*
 Spacing- *4 concentric*
 Location- *Exhaust*

Drive Sheaves:
 Drive dia.- *Direct*
 Axle dia.- *Drive*

Discharge Cone:
 Depth- *32.3"*
 Minor dia.- *51.8"*
 Major dia.- *61"*

Notes:

Test Conditions:

T(wb): 74.84 23.8
 T(db): 83.48 28.6 Barometric pressure, recorded 29.97 101500

Static Pressure		Airflow				
(in.H2O)	(cfm)	rpm	Volts	Amps	Watts	cfm/Watt
0.00	29120	713	199.4	5.42	1274	22.9
0.05	27560	710	199.3	5.47	1315	20.9
0.10	25990	708	199.3	5.72	1402	18.5
0.15	24700	706	199.1	5.85	1453	17.0
0.20	22730	704	199.2	6.01	1507	15.1
0.25	20230	703	199.2	6.12	1555	13.0
0.30	18290	701	199.4	6.18	1575	11.6

Static Pressure		Airflow	
(Pa)	(m³/h)	(m³/h)	Watt
0	49210		38.6
12.5	46570		35.4
25	43920		31.3
37.5	41740		28.7
50	38410		25.5
62.5	34190		22.0
75	30910		19.6