

Fan:
 Make- *Eurusfan*
 Model- *VFA2-50HO-D3IM-CR*
 Blade dia.- *51.0"*
 Orifice dia.- *51.6"*

Motor:
 Make- *Eurusdrive*
 Model- *YFE3-112L3C-10BX*
 KW *1.1*
 RPM- *690*
 Volts- *200V*
 Amps- *8.1A*
 Hz- *60*
 Phase- *3*
 S. F.- *1.15*

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

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

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

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

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

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	29640	693	198.7	7.62	1295	22.6
0.05	28480	692	198.7	7.75	1354	20.5
0.10	26200	690	198.6	7.87	1426	18.1
0.15	24490	688	198.7	7.98	1480	16.5
0.20	22760	686	198.6	8.07	1530	14.3
0.25	20420	685	198.7	8.16	1572	12.5
0.30	17910	685	198.6	8.20	1588	11.3

Static Pressure		Airflow	
(Pa)	(m³/h)	(m³/h)	Watt
0	49410		38.4
12.5	46940		34.9
25	43690		30.8
37.5	41170		28.0
50	37060		24.4
62.5	33290		21.3
75	30310		19.2