

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

Motor:
 Make- *Eurusdrive*
 Model- *YFE3-112L4C-10BX*
 KW *1.5*
 RPM- *690*
 Volts- *200V*
 Amps- *10.3A*
 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 20.8
 T(db): 83.48 23.6 Barometric pressure, recorded 29.97 102200

Static Pressure		Airflow				
(in.H2O)	(cfm)	rpm	Volts	Amps	Watts	cfm/Watt
0.00	34250	693	198.5	9.78	1832	18.7
0.05	32790	692	198.4	9.93	1913	17.1
0.10	31180	691	198.6	10.03	1981	15.7
0.15	29410	690	198.5	10.17	2031	14.5
0.20	28190	689	198.4	10.28	2064	13.7
0.25	26120	688	198.6	10.31	2082	12.5
0.30	23680	688	198.6	10.30	2097	11.3

Static Pressure		Airflow	
(Pa)	(m³/h)	(m³/h)	Watt
0	58230		31.8
12.5	55740		29.1
25	53010		26.8
37.5	50000		24.6
50	47920		23.2
62.5	44400		21.3
75	40260		19.2