

**Fan:**

Make- *Eurusfan*  
 Model- *VFA2-50HP-A3IM-CR*  
 Blade dia.- *51.4"*  
 Orifice dia.- *51.8"*

**Blade:**

Number- *6*  
 Shape- *Propeller*  
 Material- *Plastic*  
 Pitch- *-*  
 Clearance- *0.3"*

**Drive Sheaves:**

Drive dia.- *Direct*  
 Axle dia.- *Drive*

**Motor:**

Make- *Eurusdrive*  
 Model- *YFE3-112L3-8BX*  
 KW *2.2*  
 RPM- *715*  
 Volts- *380V*  
 Amps- *6.5A*  
 Hz- *50*  
 Phase- *3*  
 S. F.- *1.15*

**Housing:**

Material- *Fiberglass*  
 Intake area- *60.5"x60.5"*  
 Discharge- *57"*  
 Depth- *22"*

**Shutter:**

Material- *PVC*  
 # Doors- *18 per column*  
 # Columns- *3*  
 Door length -*19.9"*  
 Location- *Intake*

**Guards:**

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

**Discharge Cone:**

Depth- *40.2"*  
 Minor dia.- *57"*  
 Major dia.- *68"*

**Notes:****Test Conditions:**

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

**Static Pressure    Airflow**

**Static Pressure**

| (in.H2O) | (cfm) | rpm | Volts | Amps | Watts   | cfm/Watt | (Pa) | Airflow (m <sup>3</sup> /h) | (m <sup>3</sup> /h)/Watt |
|----------|-------|-----|-------|------|---------|----------|------|-----------------------------|--------------------------|
| 0.00     | 34300 | 725 | 378.9 | 5.58 | 2071.52 | 16.6     | 0    | 58310                       | 28.2                     |
| 0.10     | 32500 | 722 | 378.7 | 5.78 | 2273.12 | 14.3     | 25   | 55250                       | 24.3                     |
| 0.20     | 30200 | 719 | 378.6 | 5.99 | 2452.86 | 12.3     | 50   | 51340                       | 20.9                     |
| 0.30     | 28000 | 716 | 378.5 | 6.18 | 2641.07 | 10.6     | 75   | 47600                       | 18.0                     |
| 0.40     | 25300 | 714 | 378.4 | 6.37 | 2810.98 | 9.0      | 100  | 43010                       | 15.3                     |
| 0.50     | 21600 | 711 | 378.2 | 6.55 | 2953.92 | 7.3      | 125  | 36720                       | 12.4                     |
| 0.60     | 15700 | 711 | 378.3 | 6.49 | 2981.82 | 5.3      | 150  | 26690                       | 9.0                      |