

**Fan:**  
 Make- *Eurusfan*  
 Model- *VFA2-18-A3IMDV-CR*  
 Blade dia.- *20"*  
 Orifice dia.- *20.6"*

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

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

**Motor:**  
 Make- *Eurusdrive*  
 Model- *YFE3-100M1-4B3DV*  
 KW *0.25*  
 RPM- *1470*  
 Volts- *380*  
 Amps- *0.9*  
 Hz- *50*  
 Phase- *3*  
 S. F.- *1.15*

**Housing:**  
 Material- *Fiberglass*  
 Intake area- *22.5"x22.5"*  
 Discharge- *20.5"*  
 Depth- *19"*

**Shutter:**  
 Material- *PVC*  
 # Doors- *7per column*  
 # Columns- *1*  
 Door length- *15.1"*  
 Location- *Intake*

**Guards:**  
 Description- *Wire*  
 Spacing- *1.3 concentric*  
 Location- *Exhaust*

**Discharge Cone:**  
 Depth- *23.5"*  
 Minor dia.- *20.5"*  
 Major dia.- *26.5"*

**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 |        | Airflow     |  |
|-----------------|-------|---------|-------|------|-------|----------|-----------------|--------|-------------|--|
| (in.H2O)        | (cfm) | rpm     | Volts | Amps | Watts | cfm/Watt | (Pa)            | (m³/h) | (m³/h)/Watt |  |
| <b>1475转</b>    |       |         |       |      |       |          |                 |        |             |  |
| 0.00            | 5050  | 1475    | 379.4 | 0.71 | 304   | 16.6     | 0               | 8530   | 28.1        |  |
| 0.05            | 4860  | 1475    | 380.8 | 0.72 | 311   | 15.6     | 12.5            | 8210   | 26.4        |  |
| 0.10            | 4590  | 1475    | 380.8 | 0.74 | 318   | 14.4     | 25              | 7760   | 24.4        |  |
| 0.15            | 4350  | 1475    | 380.7 | 0.76 | 329   | 13.2     | 37.5            | 7350   | 22.3        |  |
| 0.20            | 4090  | 1475    | 380.3 | 0.78 | 343   | 11.9     | 50              | 6910   | 20.1        |  |
| 0.25            | 3690  | 1475    | 380.4 | 0.79 | 353   | 10.4     | 62.5            | 6240   | 17.6        |  |
| 0.30            | 3240  | 1475    | 380.9 | 0.79 | 354   | 9.1      | 75              | 5480   | 15.5        |  |
| <b>1420转</b>    |       |         |       |      |       |          |                 |        |             |  |
| 0.00            | 4830  | 1420    | 379.4 | 0.68 | 286   | 16.9     | 0               | 8150   | 28.5        |  |
| 0.05            | 4590  | 1420    | 380.3 | 0.70 | 294   | 15.6     | 12.5            | 7760   | 26.4        |  |
| 0.10            | 4420  | 1420    | 380.2 | 0.71 | 302   | 14.6     | 25              | 7470   | 24.7        |  |
| 0.15            | 4130  | 1420    | 380.5 | 0.72 | 315   | 13.1     | 37.5            | 6980   | 22.2        |  |
| 0.20            | 3820  | 1420    | 380.3 | 0.74 | 323   | 11.8     | 50              | 6450   | 20.0        |  |
| 0.25            | 3340  | 1420    | 380.4 | 0.74 | 328   | 10.2     | 62.5            | 5640   | 17.2        |  |
| 0.30            | 2830  | 1420    | 380.2 | 0.74 | 331   | 8.6      | 75              | 4780   | 14.5        |  |
| <b>1370转</b>    |       |         |       |      |       |          |                 |        |             |  |
| 0.00            | 4590  | 1370    | 379.4 | 0.65 | 267   | 17.2     | 0               | 7760   | 29.1        |  |
| 0.05            | 4390  | 1370    | 379.8 | 0.66 | 274   | 16.0     | 12.5            | 7410   | 27.1        |  |
| 0.10            | 4170  | 1370    | 380.8 | 0.68 | 286   | 14.6     | 25              | 7040   | 24.6        |  |
| 0.15            | 3900  | 1370    | 380.7 | 0.69 | 293   | 13.3     | 37.5            | 6580   | 22.5        |  |
| 0.20            | 3470  | 1370    | 380.3 | 0.70 | 299   | 11.6     | 50              | 5870   | 19.6        |  |
| 0.25            | 2890  | 1370    | 380.4 | 0.71 | 302   | 9.5      | 62.5            | 4880   | 16.1        |  |
| 0.30            | 2150  | 1370    | 379.9 | 0.71 | 302   | 7.1      | 75              | 3630   | 12.0        |  |
| <b>1320转</b>    |       |         |       |      |       |          |                 |        |             |  |
| 0.00            | 4460  | 1320    | 379.4 | 0.62 | 248   | 18.0     | 0               | 7530   | 30.4        |  |
| 0.05            | 4200  | 1320    | 379.8 | 0.63 | 255   | 16.5     | 12.5            | 7110   | 27.8        |  |
| 0.10            | 3940  | 1320    | 380.3 | 0.65 | 267   | 14.8     | 25              | 6650   | 24.9        |  |
| 0.15            | 3650  | 1320    | 380.2 | 0.66 | 273   | 13.4     | 37.5            | 6160   | 22.6        |  |
| 0.20            | 3140  | 1320    | 380.3 | 0.67 | 279   | 11.3     | 50              | 5310   | 19.0        |  |

| Static Pressure |       | Airflow |       |      |       |          | Static Pressure |                     | Airflow                  |  |
|-----------------|-------|---------|-------|------|-------|----------|-----------------|---------------------|--------------------------|--|
| (in.H2O)        | (cfm) | rpm     | Volts | Amps | Watts | cfm/Watt | (Pa)            | (m <sup>3</sup> /h) | (m <sup>3</sup> /h)/Watt |  |
| 0.25            | 2350  | 1320    | 380.4 | 0.67 | 280   | 8.4      | 62.5            | 3980                | 14.2                     |  |
| 1270转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 4280  | 1270    | 379.4 | 0.59 | 228   | 18.8     | 0               | 7230                | 31.8                     |  |
| 0.05            | 3980  | 1270    | 379.8 | 0.60 | 238   | 16.7     | 12.5            | 6720                | 28.2                     |  |
| 0.10            | 3720  | 1270    | 380.8 | 0.62 | 245   | 15.2     | 25              | 6310                | 25.7                     |  |
| 0.15            | 3240  | 1270    | 380.5 | 0.62 | 253   | 12.8     | 37.5            | 5480                | 21.6                     |  |
| 0.20            | 2830  | 1270    | 380.3 | 0.64 | 256   | 11.1     | 50              | 4780                | 18.7                     |  |
| 1220转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 4130  | 1220    | 379.4 | 0.56 | 210   | 19.6     | 0               | 6980                | 33.2                     |  |
| 0.05            | 3770  | 1220    | 380.5 | 0.57 | 218   | 17.3     | 12.5            | 6380                | 29.3                     |  |
| 0.10            | 3470  | 1220    | 379.8 | 0.59 | 227   | 15.3     | 25              | 5870                | 25.9                     |  |
| 0.15            | 2990  | 1220    | 380.7 | 0.60 | 230   | 13.0     | 37.5            | 5060                | 22.0                     |  |
| 0.20            | 2290  | 1220    | 380.3 | 0.60 | 235   | 9.7      | 50              | 3860                | 16.4                     |  |
| 1170转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 3860  | 1170    | 379.4 | 0.53 | 192   | 20.0     | 0               | 6520                | 33.8                     |  |
| 0.05            | 3610  | 1170    | 380.3 | 0.54 | 198   | 18.2     | 12.5            | 6090                | 30.7                     |  |
| 0.10            | 3240  | 1170    | 380.5 | 0.56 | 208   | 15.6     | 25              | 5480                | 26.3                     |  |
| 0.15            | 2540  | 1170    | 380.7 | 0.56 | 212   | 12.0     | 37.5            | 4300                | 20.3                     |  |
| 0.20            | 1660  | 1170    | 380.3 | 0.57 | 215   | 7.7      | 50              | 2800                | 13.0                     |  |
| 1120转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 3690  | 1120    | 379.4 | 0.49 | 176   | 21.0     | 0               | 6240                | 35.5                     |  |
| 0.05            | 3340  | 1120    | 380.1 | 0.51 | 181   | 18.4     | 12.5            | 5640                | 31.2                     |  |
| 0.10            | 2890  | 1120    | 380.3 | 0.52 | 187   | 15.4     | 25              | 4880                | 26.0                     |  |
| 0.15            | 2350  | 1120    | 380.7 | 0.53 | 194   | 12.2     | 37.5            | 3980                | 20.5                     |  |
| 1070转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 3380  | 1070    | 379.4 | 0.47 | 164   | 20.7     | 0               | 5720                | 34.9                     |  |
| 0.05            | 3040  | 1070    | 380.4 | 0.48 | 169   | 18.0     | 12.5            | 5140                | 30.4                     |  |
| 0.10            | 2600  | 1070    | 380.6 | 0.49 | 175   | 14.8     | 25              | 4400                | 25.1                     |  |
| 0.15            | 1750  | 1070    | 380.7 | 0.50 | 179   | 9.8      | 37.5            | 2950                | 16.5                     |  |
| 1020转           |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 3190  | 1020    | 379.4 | 0.43 | 146   | 21.8     | 0               | 5400                | 36.9                     |  |
| 0.05            | 2780  | 1020    | 380.1 | 0.45 | 156   | 17.8     | 12.5            | 4690                | 30.2                     |  |
| 0.10            | 2220  | 1020    | 380.2 | 0.46 | 159   | 13.9     | 25              | 3750                | 23.6                     |  |
| 970转            |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 2990  | 970     | 379.4 | 0.39 | 135   | 22.2     | 0               | 5060                | 37.6                     |  |
| 0.05            | 2600  | 970     | 380.1 | 0.41 | 141   | 18.4     | 12.5            | 4400                | 31.2                     |  |
| 0.10            | 1840  | 970     | 380.3 | 0.42 | 148   | 12.4     | 25              | 3100                | 21.0                     |  |
| 920转            |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 2780  | 920     | 379.4 | 0.37 | 124   | 22.4     | 0               | 4690                | 37.9                     |  |
| 0.05            | 2220  | 920     | 380.3 | 0.38 | 129   | 17.2     | 12.5            | 3750                | 29.0                     |  |
| 0.10            | 1230  | 920     | 380.3 | 0.39 | 134   | 9.2      | 25              | 2080                | 15.6                     |  |
| 870转            |       |         |       |      |       |          |                 |                     |                          |  |
| 0.00            | 2480  | 870     | 379.4 | 0.35 | 114   | 21.8     | 0               | 4190                | 36.9                     |  |
| 0.05            | 2000  | 870     | 380.3 | 0.36 | 121   | 16.5     | 12.5            | 3370                | 27.9                     |  |