**Fan:**
Make- *Eurusfan*
Model- *VFE2-36HP-A3PM-CR*
Blade dia.- *37.7"*
Orifice dia.- *38.0"*

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

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

**Motor:**
Make- Eurusdrive
Model- *TFE5-100M5-100BXDV*
KW *1.5*
RPM- *970*
Volts- *380-480V*
Amps- *3.1*
Hz- *50/60Hz*
Phase- *3*
S. F.-

**Housing:**
Material- *Fiberglass*
Intake area- *40.4"x40.4"*
Discharge- *38.3"*
Depth- *2 0 "*

**Shutter:**
Material- *PVC*
# Doors- *12 per column*
# Columns- *2*
Door length- *20.2"*
Location- *Intake*

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

**Discharge Cone:**
Depth- *26.4"*
Minor dia.- *38"*
Major dia.- *44.9"*

**Notes:**

**Test Conditions:**

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

| Static Pressure (in.H2O) | Airflow (cfm) | rpm | Volts | Amps | Watts | cfm/Watt | Static Pressure (Pa) | Airflow (m³/h) | (m³/h)/Wat |
|---|---|---|---|---|---|---|---|---|---|
| **980转** | | | | | | | | | |
| **0.00** | **19670** | **970** | **378.7** | **2.24** | **1209** | **16.3** | **0** | **33440** | **27.6** |
| **0.10** | **18705** | **970** | **379.7** | **2.56** | **1417** | **13.2** | **25** | **31810** | **22.4** |
| **0.20** | **17882** | **970** | **380.9** | **2.70** | **1539** | **11.6** | **50** | **30400** | **19.8** |
| **0.30** | **16993** | **970** | **379.0** | **2.85** | **1592** | **10.7** | **75** | **28880** | **18.1** |
| **0.40** | **15801** | **970** | **378.9** | **2.99** | **1689** | **9.4** | **100** | **26860** | **15.9** |
| **0.50** | **14340** | **970** | **379.1** | **3.12** | **1740** | **8.2** | **125** | **24380** | **14.0** |
| **0.60** | **12298** | **970** | **379.3** | **3.23** | **1806** | **6.8** | **150** | **20910** | **11.6** |
| **0.70** | **9297** | **970** | **379.3** | **3.27** | **1740** | **5.3** | **175** | **15800** | **9.1** |
| **950转** | | | | | | | | | |
| **0.00** | **18890** | **950** | **380.0** | **2.15** | **1129** | **16.7** | **0** | **32110** | **28.4** |
| **0.10** | **17930** | **950** | **380.8** | **2.36** | **1258** | **14.3** | **25** | **30490** | **24.2** |
| **0.20** | **17040** | **950** | **379.3** | **2.51** | **1324** | **12.9** | **50** | **28960** | **21.9** |
| **0.30** | **16170** | **950** | **379.8** | **2.64** | **1447** | **11.2** | **75** | **27480** | **19.0** |
| **0.40** | **14830** | **950** | **380.0** | **2.79** | **1535** | **9.7** | **100** | **25210** | **16.4** |
| **0.50** | **13070** | **950** | **380.8** | **2.91** | **1622** | **8.1** | **125** | **22220** | **13.7** |
| **0.60** | **10920** | **950** | **380.8** | **2.95** | **1645** | **6.6** | **150** | **18560** | **11.3** |
| **0.70** | **7070** | **950** | **379.7** | **2.95** | **1638** | **4.3** | **175** | **12020** | **7.3** |
| **920转** | | | | | | | | | |
| **0.00** | **18250** | **920** | **380.0** | **2.06** | **1064** | **17.2** | **0** | **31020** | **29.2** |
| **0.10** | **17220** | **920** | **379.0** | **2.22** | **1158** | **14.9** | **25** | **29270** | **25.3** |
| **0.20** | **16320** | **920** | **380.7** | **2.34** | **1246** | **13.1** | **50** | **27750** | **22.3** |
| **0.30** | **15290** | **920** | **379.3** | **2.48** | **1334** | **11.5** | **75** | **25990** | **19.5** |
| **0.40** | **1400** | **920** | **378.5** | **2.61** | **1408** | **9.9** | **100** | **23800** | **16.9** |
| **0.50** | **11860** | **920** | **379.7** | **2.69** | **1480** | **8.0** | **125** | **20160** | **13.6** |
| **0.60** | **7910** | **920** | **381.1** | **2.66** | **1461** | **5.4** | **150** | **13440** | **9.2** |
| **0.70** | **4990** | **920** | **380.4** | **2.66** | **1470** | **3.4** | **175** | **8470** | **5.8** |
| **890转** | | | | | | | | | |
| **0.00** | **17720** | **890** | **382.1** | **1.91** | **960** | **18.5** | **0** | **30130** | **31.4** |
| **0.10** | **16630** | **890** | **378.8** | **2.04** | **1039** | **16.0** | **25** | **28260** | **27.2** |

| Static Pressure (in.H2O) | Airflow (cfm) | rpm | Volts | Amps | Watts | cfm/Watt | Static Pressure (Pa) | Airflow (m³/h) | (m³/h)/Wat |
|---|---|---|---|---|---|---|---|---|---|
| 0.20 | 15650 | 890 | 380.6 | 2.19 | 1148 | 13.6 | 50 | 26610 | 23.2 |
| 0.30 | 14530 | 890 | 381.2 | 2.30 | 1227 | 11.8 | 75 | 24700 | 20.1 |
| 0.40 | 12880 | 890 | 378.7 | 2.24 | 1194 | 10.8 | 100 | 21890 | 18.3 |
| 0.50 | 10200 | 890 | 378.6 | 2.50 | 1339 | 7.6 | 125 | 17340 | 12.9 |
| 0.60 | 5690 | 890 | 380.3 | 2.47 | 1000 | 5.7 | 150 | 9670 | 9.7 |
| 860转 | | | | | | | | | |
| 0.00 | 17110 | 860 | 379.5 | 1.77 | 849 | 20.2 | 0 | 29090 | 34.3 |
| 0.10 | 16010 | 860 | 379.7 | 1.89 | 945 | 16.9 | 25 | 27220 | 28.8 |
| 0.20 | 15000 | 860 | 381.4 | 2.05 | 1053 | 14.2 | 50 | 25490 | 24.2 |
| 0.30 | 13820 | 860 | 379.9 | 2.14 | 1118 | 12.4 | 75 | 23490 | 21.0 |
| 0.40 | 11960 | 860 | 381.2 | 2.26 | 1188 | 10.1 | 100 | 20340 | 17.1 |
| 0.50 | 9230 | 860 | 378.8 | 2.26 | 1189 | 7.8 | 125 | 15690 | 13.2 |
| 0.60 | 4160 | 860 | 381.3 | 2.32 | 1238 | 3.4 | 150 | 7080 | 5.7 |
| 830转 | | | | | | | | | |
| 0.00 | 16550 | 830 | 380.3 | 1.64 | 778 | 21.3 | 0 | 28130 | 36.2 |
| 0.10 | 15330 | 830 | 381.2 | 1.77 | 866 | 17.7 | 25 | 26060 | 30.1 |
| 0.20 | 14270 | 830 | 378.9 | 1.89 | 938 | 15.2 | 50 | 24250 | 25.9 |
| 0.30 | 12880 | 830 | 379.8 | 2.01 | 1020 | 12.6 | 75 | 21890 | 21.5 |
| 0.40 | 10510 | 830 | 380.4 | 2.10 | 1080 | 9.7 | 100 | 17860 | 16.5 |
| 0.50 | 6010 | 830 | 379.3 | 2.07 | 1060 | 5.7 | 125 | 10220 | 9.6 |
| 0.60 | 2710 | 830 | 380.0 | 2.19 | 1145 | 2.4 | 150 | 4610 | 4.0 |
| 800转 | | | | | | | | | |
| 0.00 | 15930 | 800 | 380.2 | 1.53 | 694 | 23.0 | 0 | 27080 | 39.0 |
| 0.10 | 14790 | 800 | 380.2 | 1.67 | 792 | 18.7 | 25 | 25140 | 31.8 |
| 0.20 | 13540 | 800 | 380.0 | 1.78 | 866 | 15.6 | 50 | 23020 | 26.6 |
| 0.30 | 11860 | 800 | 380.1 | 1.87 | 932 | 12.7 | 75 | 20160 | 21.6 |
| 0.40 | 9160 | 800 | 380.2 | 1.95 | 976 | 9.4 | 100 | 15570 | 16.0 |
| 0.50 | 3850 | 800 | 378.9 | 1.95 | 976 | 3.9 | 125 | 6550 | 6.7 |
| 770转 | | | | | | | | | |
| 0.00 | 15290 | 770 | 380.3 | 1.43 | 629 | 24.3 | 0 | 25990 | 41.3 |
| 0.10 | 14130 | 770 | 379.8 | 1.55 | 704 | 20.1 | 25 | 24030 | 34.1 |
| 0.20 | 12780 | 770 | 380.5 | 1.66 | 785 | 16.3 | 50 | 21720 | 27.7 |
| 0.30 | 10800 | 770 | 379.8 | 1.74 | 837 | 12.9 | 75 | 18360 | 21.9 |
| 0.40 | 7420 | 770 | 380.0 | 1.77 | 857 | 8.7 | 100 | 12610 | 14.7 |
| 0.50 | 2930 | 770 | 381.2 | 1.83 | 901 | 3.3 | 125 | 4990 | 5.5 |
| 740转 | | | | | | | | | |
| 0.00 | 14740 | 740 | 380.6 | 1.31 | 555 | 26.6 | 0 | 25060 | 45.1 |
| 0.10 | 13360 | 740 | 379.9 | 1.45 | 639 | 20.9 | 25 | 22700 | 35.5 |
| 0.20 | 11960 | 740 | 380.9 | 1.55 | 713 | 16.8 | 50 | 20340 | 28.5 |
| 0.30 | 9500 | 740 | 380.5 | 1.63 | 758 | 12.5 | 75 | 16150 | 21.3 |
| 0.40 | 4730 | 740 | 380.8 | 1.62 | 761 | 6.2 | 100 | 8030 | 10.6 |
| 710转 | | | | | | | | | |
| 0.00 | 14040 | 710 | 380.1 | 1.19 | 501 | 28.1 | 0 | 23880 | 47.7 |
| 0.10 | 12730 | 710 | 379.8 | 1.36 | 577 | 22.1 | 25 | 21640 | 37.5 |
| 0.20 | 11150 | 710 | 380.2 | 1.45 | 634 | 17.6 | 50 | 18950 | 29.9 |
| 0.30 | 8070 | 710 | 380.3 | 1.50 | 672 | 12.0 | 75 | 13710 | 20.4 |
| 0.40 | 3140 | 710 | 379.1 | 1.55 | 693 | 4.5 | 100 | 5340 | 7.7 |
| 680转 | | | | | | | | | |
| 0.00 | 13500 | 680 | 381.4 | 1.06 | 443 | 30.5 | 0 | 22940 | 51.8 |
| 0.10 | 12070 | 680 | 379.7 | 1.23 | 513 | 23.5 | 25 | 20520 | 40.0 |
| 0.20 | 10080 | 680 | 380.0 | 1.35 | 570 | 17.7 | 50 | 17130 | 30.0 |
| 0.30 | 6700 | 680 | 381.0 | 1.39 | 596 | 11.2 | 75 | 11390 | 19.1 |
| 0.40 | 1560 | 680 | 379.6 | 1.44 | 627 | 2.5 | 100 | 2640 | 4.2 |

| Static Pressure (in.H2O) | Airflow (cfm) | rpm | Volts | Amps | Watts | cfm/Watt | Static Pressure (Pa) | Airflow (m³/h) | (m³/h)/Wat |
|---|---|---|---|---|---|---|---|---|---|
| 650转 | | | | | | | | | |
| 0.00 | 12970 | 650 | 380.0 | 0.95 | 383 | 33.8 | 0 | 22050 | 57.5 |
| 0.10 | 11150 | 650 | 381.0 | 1.12 | 466 | 23.9 | 25 | 18950 | 40.6 |
| 0.20 | 9160 | 650 | 380.7 | 1.22 | 509 | 18.0 | 50 | 15570 | 30.6 |
| 0.30 | 4590 | 650 | 379.8 | 1.23 | 516 | 8.9 | 75 | 7810 | 15.1 |
| 620转 | | | | | | | | | |
| 0.00 | 12150 | 620 | 379.6 | 0.86 | 343 | 35.5 | 0 | 20660 | 60.3 |
| 0.10 | 10470 | 620 | 381.8 | 1.00 | 412 | 25.4 | 25 | 17790 | 43.2 |
| 0.20 | 7700 | 620 | 380.1 | 1.10 | 454 | 17.0 | 50 | 13090 | 28.8 |
| 0.30 | 2890 | 620 | 380.0 | 1.13 | 469 | 6.2 | 75 | 4910 | 10.5 |
| 590转 | | | | | | | | | |
| 0.00 | 11500 | 590 | 379.9 | 0.78 | 307 | 37.5 | 0 | 19540 | 63.8 |
| 0.10 | 9620 | 590 | 380.7 | 0.89 | 359 | 26.8 | 25 | 16350 | 45.5 |
| 0.20 | 6610 | 590 | 381.5 | 0.98 | 399 | 16.6 | 50 | 11230 | 28.2 |
| 0.30 | 1660 | 590 | 381.1 | 0.99 | 403 | 4.1 | 75 | 2820 | 7.0 |
| 560转 | | | | | | | | | |
| 0.00 | 10730 | 560 | 380.3 | 0.70 | 392 | 27.4 | 0 | 18250 | 46.6 |
| 0.10 | 8890 | 560 | 379.8 | 0.81 | 318 | 28.0 | 25 | 15120 | 47.6 |
| 0.20 | 4660 | 560 | 380.7 | 0.85 | 339 | 13.7 | 50 | 7930 | 23.4 |
| 530转 | | | | | | | | | |
| 0.00 | 10050 | 530 | 380.0 | 0.62 | 228 | 44.1 | 0 | 17090 | 75.0 |
| 0.10 | 9090 | 530 | 381.2 | 0.68 | 259 | 35.1 | 25 | 15450 | 59.7 |
| 0.20 | 3230 | 530 | 380.4 | 0.75 | 288 | 11.2 | 50 | 5500 | 19.1 |
| 500转 | | | | | | | | | |
| 0.00 | 9360 | 500 | 380.1 | 0.56 | 204 | 45.9 | 0 | 15910 | 78.0 |
| 0.10 | 6770 | 500 | 379.7 | 0.65 | 245 | 27.7 | 25 | 11500 | 47.0 |
| 0.20 | 1170 | 500 | 381.7 | 0.68 | 261 | 4.5 | 50 | 1980 | 7.6 |
| 470转 | | | | | | | | | |
| 0.00 | 8850 | 470 | 381.8 | 0.50 | 173 | 51.3 | 0 | 15050 | 87.2 |
| 0.10 | 6160 | 470 | 379.7 | 0.57 | 206 | 29.9 | 25 | 10480 | 50.8 |