

Performance Data of Three Phase Motors (380-415 Volt / 50 Hz)

| PN | | Thrust F [N] | UN [V] | nN [min-1] | IN [A] | IA [A] | η (Eff.) [%] at % load | | | cos φ (PF) at % load | | | TN [Nm] | TA [Nm] |
|--------|------|-----------------|-----------|---------------|-----------|-----------|---------------------------|----|-----|-------------------------|------|------|------------|------------|
| [H.P.] | [kW] | | | | | | 50 | 75 | 100 | 50 | 75 | 100 | | |
| 0.75 | 0.55 | 1500 | 380 | 2835 | 1.59 | 6.00 | 60 | 66 | 67 | 0.60 | 0.72 | 0.81 | 1.89 | 3.11 |
| | | | 400 | 2855 | 1.59 | 6.38 | 58 | 65 | 67 | 0.54 | 0.68 | 0.75 | 1.89 | 3.51 |
| | | | 415 | 2875 | 1.70 | 6.61 | 55 | 64 | 66 | 0.50 | 0.64 | 0.80 | 1.89 | 3.70 |
| 1.00 | 0.75 | 1500 | 380 | 2845 | 2.11 | 8.88 | 64 | 67 | 70 | 0.58 | 0.71 | 0.79 | 2.50 | 4.81 |
| | | | 400 | 2870 | 2.11 | 9.30 | 60 | 68 | 69 | 0.51 | 0.64 | 0.75 | 2.50 | 5.32 |
| | | | 415 | 2880 | 2.20 | 9.81 | 58 | 65 | 68 | 0.49 | 0.61 | 0.72 | 2.50 | 5.89 |
| 1.50 | 1.10 | 3000 | 380 | 2825 | 3.00 | 13.70 | 68 | 72 | 73 | 0.58 | 0.72 | 0.81 | 3.79 | 9.61 |
| | | | 400 | 2840 | 3.00 | 14.51 | 67 | 71 | 73 | 0.53 | 0.67 | 0.75 | 3.69 | 10.60 |
| | | | 415 | 2860 | 3.11 | 15.28 | 65 | 70 | 72 | 0.50 | 0.62 | 0.72 | 3.69 | 11.49 |
| 2.00 | 1.50 | 3000 | 380 | 2845 | 3.91 | 18.59 | 68 | 72 | 73 | 0.60 | 0.72 | 0.81 | 5.0 | 11.31 |
| | | | 400 | 2855 | 4.00 | 19.21 | 66 | 72 | 73 | 0.54 | 0.66 | 0.77 | 5.0 | 12.60 |
| | | | 415 | 2870 | 4.10 | 20.21 | 64 | 70 | 72 | 0.49 | 0.62 | 0.73 | 4.9 | 13.49 |
| 3.00 | 2.20 | 4000 | 380 | 2820 | 5.80 | 28.68 | 71 | 75 | 75 | 0.59 | 0.72 | 0.81 | 7.59 | 21.71 |
| | | | 400 | 2840 | 5.91 | 28.90 | 70 | 73 | 75 | 0.51 | 0.65 | 0.76 | 7.51 | 23.61 |
| | | | 415 | 2870 | 6.29 | 30.78 | 66 | 71 | 74 | 0.46 | 0.60 | 0.69 | 7.51 | 25.90 |
| 4.00 | 3.00 | 4000 | 380 | 2810 | 8.5 | 29.5 | 62 | 67 | 70 | 0.72 | 0.78 | 0.82 | 10 | 16 |
| | | | 400 | 2820 | 8.2 | 31.0 | 61 | 66 | 68 | 0.71 | 0.77 | 0.80 | 9.97 | 17.95 |
| | | | 415 | 2850 | 8.0 | 33.0 | 60 | 65 | 67 | 0.70 | 0.76 | 0.80 | 9.87 | 18.75 |
| 5.50 | 4.00 | 4000 | 380 | 2790 | 10.79 | 32.29 | 62 | 67 | 71 | 0.72 | 0.79 | 0.83 | 13.39 | 21.25 |
| | | | 400 | 2790 | 10.51 | 34.00 | 61 | 65 | 69 | 0.70 | 0.76 | 0.82 | 13.30 | 23.54 |
| | | | 415 | 2810 | 10.0 | 35.00 | 59 | 64 | 66 | 0.69 | 0.74 | 0.82 | 13.30 | 25.29 |
| 7.50 | 5.50 | 4000 | 380 | 2785 | 14.79 | 50.4 | 69 | 73 | 74 | 0.74 | 0.79 | 0.84 | 18.93 | 37.19 |
| | | | 400 | 2790 | 14.51 | 53.0 | 68 | 72 | 73 | 0.74 | 0.79 | 0.84 | 18.92 | 41.21 |
| | | | 415 | 2810 | 14.00 | 54.9 | 67 | 69 | 71 | 0.73 | 0.77 | 0.83 | 18.81 | 44.35 |
| 10.0 | 7.50 | 4000 | 380 | 2855 | 18.00 | 61.1 | 70 | 72 | 73 | 0.98 | 0.95 | 0.92 | 24.58 | 45.10 |
| | | | 400 | 2860 | 18.31 | 62.0 | 67 | 71 | 72 | 0.99 | 0.94 | 0.91 | 24.51 | 46.00 |
| | | | 415 | 2880 | 18.79 | 65.9 | 66 | 68 | 70 | 0.97 | 0.92 | 0.88 | 24.40 | 47.51 |

- PN - Rated Output
- UN - Rated Voltage
- nN- RPM
- IN - Full Load Current
- IA - Starting Current
- η - Motor Efficiency
- cosφ - Power Factor
- TN - Full Load Torque
- TA - Starting Torque
- F{N}- Axial Thrust Load