

POWER RATINGS

optibelt RED POWER 3 PROFILE SPZ, 3V/9N, 3V/9J

NOMINAL POWER RATING P_N [kW]

FOR $\beta = 180^\circ$ AND $L_d = 1600$ mm



Table 32

| Pulleys | v [m/s] | n_k [min ⁻¹] | Datum diameter of small pulley d_{dk} [mm] | | | | | | | | | | | | | Additional power [kW] per belt for speed ratio i | | | | | |
|---------|-----------|-------------------------------|--|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|---|-------|--------------------|--------------------|--------------------|--------|
| | | | 63 | 71 | 80 | 85 | 90 | 95 | 100 | 112 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | > 1.57 |
| 5 | 700 | 0.72 | 0.96 | 1.22 | 1.37 | 1.51 | 1.66 | 1.80 | 2.14 | 2.50 | 2.70 | 2.92 | 3.19 | 3.47 | 4.02 | 4.56 | 0.01 | 0.06 | 0.09 | 0.11 | |
| | | 0.92 | 1.24 | 1.58 | 1.78 | 1.97 | 2.16 | 2.35 | 2.80 | 3.29 | 3.54 | 3.84 | 4.20 | 4.56 | 5.28 | 5.99 | 0.01 | 0.09 | 0.12 | 0.15 | |
| | | 1.30 | 1.76 | 2.27 | 2.56 | 2.83 | 3.12 | 3.40 | 4.06 | 4.75 | 5.14 | 5.56 | 6.08 | 6.60 | 7.63 | 8.63 | 0.02 | 0.13 | 0.19 | 0.23 | |
| | | 2.16 | 3.00 | 3.94 | 4.44 | 4.94 | 5.44 | 5.93 | 7.08 | 8.28 | 8.92 | 9.61 | 10.46 | 11.29 | 12.84 | 14.26 | 0.04 | 0.26 | 0.37 | 0.46 | |
| | | 100 | 0.13 | 0.18 | 0.22 | 0.24 | 0.26 | 0.29 | 0.31 | 0.37 | 0.43 | 0.46 | 0.49 | 0.54 | 0.59 | 0.67 | 0.77 | 0.00 | 0.01 | 0.01 | 0.02 |
| | 200 | 0.25 | 0.32 | 0.41 | 0.46 | 0.49 | 0.54 | 0.59 | 0.70 | 0.80 | 0.86 | 0.94 | 1.02 | 1.10 | 1.28 | 1.45 | 0.00 | 0.02 | 0.03 | 0.03 | |
| | 300 | 0.36 | 0.46 | 0.58 | 0.65 | 0.71 | 0.78 | 0.84 | 1.00 | 1.16 | 1.25 | 1.36 | 1.49 | 1.61 | 1.86 | 2.11 | 0.00 | 0.03 | 0.04 | 0.05 | |
| | 400 | 0.46 | 0.59 | 0.74 | 0.83 | 0.92 | 1.01 | 1.09 | 1.30 | 1.51 | 1.63 | 1.76 | 1.93 | 2.09 | 2.42 | 2.75 | 0.01 | 0.04 | 0.05 | 0.06 | |
| | 500 | 0.54 | 0.72 | 0.91 | 1.02 | 1.12 | 1.22 | 1.33 | 1.58 | 1.85 | 1.99 | 2.16 | 2.36 | 2.56 | 2.96 | 3.36 | 0.01 | 0.05 | 0.07 | 0.08 | |
| | 600 | 0.64 | 0.84 | 1.07 | 1.19 | 1.32 | 1.44 | 1.56 | 1.86 | 2.18 | 2.35 | 2.54 | 2.78 | 3.02 | 3.49 | 3.96 | 0.01 | 0.06 | 0.08 | 0.10 | |
| | 700 | 0.72 | 0.96 | 1.22 | 1.37 | 1.51 | 1.66 | 1.80 | 2.14 | 2.50 | 2.70 | 2.92 | 3.19 | 3.47 | 4.02 | 4.56 | 0.01 | 0.06 | 0.09 | 0.11 | |
| | 800 | 0.80 | 1.07 | 1.37 | 1.54 | 1.69 | 1.86 | 2.02 | 2.40 | 2.82 | 3.04 | 3.29 | 3.60 | 3.91 | 4.52 | 5.14 | 0.01 | 0.07 | 0.11 | 0.13 | |
| | 900 | 0.89 | 1.19 | 1.51 | 1.69 | 1.88 | 2.06 | 2.24 | 2.66 | 3.13 | 3.37 | 3.66 | 4.01 | 4.34 | 5.03 | 5.70 | 0.01 | 0.08 | 0.12 | 0.15 | |
| | 1000 | 0.96 | 1.30 | 1.66 | 1.86 | 2.06 | 2.26 | 2.46 | 2.93 | 3.43 | 3.71 | 4.02 | 4.39 | 4.78 | 5.52 | 6.26 | 0.01 | 0.09 | 0.13 | 0.16 | |
| | 1100 | 1.04 | 1.40 | 1.80 | 2.02 | 2.23 | 2.46 | 2.68 | 3.19 | 3.74 | 4.03 | 4.37 | 4.79 | 5.20 | 6.01 | 6.80 | 0.02 | 0.10 | 0.14 | 0.18 | |
| | 1200 | 1.12 | 1.50 | 1.93 | 2.17 | 2.41 | 2.65 | 2.88 | 3.44 | 4.03 | 4.36 | 4.72 | 5.16 | 5.60 | 6.48 | 7.34 | 0.02 | 0.11 | 0.16 | 0.19 | |
| | 1300 | 1.19 | 1.61 | 2.08 | 2.33 | 2.58 | 2.83 | 3.08 | 3.68 | 4.33 | 4.67 | 5.05 | 5.53 | 6.01 | 6.95 | 7.86 | 0.02 | 0.12 | 0.17 | 0.21 | |
| | 1400 | 1.26 | 1.72 | 2.21 | 2.48 | 2.75 | 3.02 | 3.29 | 3.94 | 4.62 | 4.98 | 5.39 | 5.90 | 6.41 | 7.40 | 8.38 | 0.02 | 0.13 | 0.18 | 0.23 | |
| | 1500 | 1.33 | 1.81 | 2.34 | 2.63 | 2.92 | 3.20 | 3.49 | 4.18 | 4.90 | 5.28 | 5.72 | 6.26 | 6.80 | 7.85 | 8.88 | 0.02 | 0.14 | 0.20 | 0.24 | |
| | 10 | 1600 | 1.40 | 1.91 | 2.47 | 2.77 | 3.08 | 3.38 | 3.70 | 4.42 | 5.17 | 5.58 | 6.05 | 6.62 | 7.19 | 8.29 | 9.36 | 0.02 | 0.15 | 0.21 | 0.26 |
| | | 1700 | 1.48 | 2.00 | 2.59 | 2.93 | 3.24 | 3.56 | 3.89 | 4.64 | 5.45 | 5.88 | 6.37 | 6.97 | 7.56 | 8.71 | 9.84 | 0.02 | 0.16 | 0.22 | 0.27 |
| | | 1800 | 1.54 | 2.10 | 2.72 | 3.06 | 3.41 | 3.74 | 4.08 | 4.87 | 5.72 | 6.17 | 6.68 | 7.31 | 7.93 | 9.13 | 10.30 | 0.03 | 0.17 | 0.24 | 0.29 |
| | | 1900 | 1.61 | 2.20 | 2.84 | 3.20 | 3.56 | 3.91 | 4.27 | 5.10 | 5.99 | 6.46 | 6.98 | 7.64 | 8.29 | 9.54 | 10.75 | 0.03 | 0.18 | 0.25 | 0.31 |
| | | 2000 | 1.67 | 2.28 | 2.96 | 3.35 | 3.72 | 4.09 | 4.45 | 5.33 | 6.25 | 6.74 | 7.30 | 7.97 | 8.64 | 9.94 | 11.18 | 0.03 | 0.19 | 0.26 | 0.32 |
| | | 2100 | 1.73 | 2.38 | 3.08 | 3.48 | 3.86 | 4.26 | 4.64 | 5.54 | 6.50 | 7.02 | 7.58 | 8.29 | 8.99 | 10.32 | 11.60 | 0.03 | 0.19 | 0.28 | 0.34 |
| 2200 | | 1.79 | 2.46 | 3.20 | 3.61 | 4.02 | 4.42 | 4.82 | 5.76 | 6.76 | 7.28 | 7.88 | 8.60 | 9.32 | 10.69 | 12.01 | 0.03 | 0.20 | 0.29 | 0.35 | |
| 2300 | | 1.85 | 2.56 | 3.32 | 3.74 | 4.16 | 4.58 | 4.99 | 5.98 | 7.01 | 7.55 | 8.16 | 8.92 | 9.65 | 11.06 | 12.40 | 0.03 | 0.21 | 0.30 | 0.37 | |
| 2400 | | 1.91 | 2.64 | 3.44 | 3.88 | 4.31 | 4.74 | 5.17 | 6.18 | 7.25 | 7.81 | 8.44 | 9.22 | 9.97 | 11.41 | 12.77 | 0.03 | 0.22 | 0.32 | 0.39 | |
| 2500 | | 1.97 | 2.72 | 3.55 | 4.01 | 4.45 | 4.91 | 5.34 | 6.38 | 7.49 | 8.06 | 8.71 | 9.50 | 10.27 | 11.75 | 13.13 | 0.04 | 0.23 | 0.33 | 0.40 | |
| 2600 | | 2.03 | 2.81 | 3.66 | 4.13 | 4.60 | 5.06 | 5.52 | 6.59 | 7.72 | 8.32 | 8.98 | 9.79 | 10.58 | 12.08 | 13.48 | 0.04 | 0.24 | 0.34 | 0.42 | |
| 2700 | | 2.09 | 2.88 | 3.77 | 4.26 | 4.74 | 5.21 | 5.68 | 6.79 | 7.94 | 8.56 | 9.24 | 10.07 | 10.87 | 12.40 | 13.80 | 0.04 | 0.25 | 0.35 | 0.44 | |
| 2800 | | 2.14 | 2.96 | 3.88 | 4.38 | 4.87 | 5.36 | 5.84 | 6.98 | 8.17 | 8.80 | 9.49 | 10.33 | 11.15 | 12.70 | 14.11 | 0.04 | 0.26 | 0.37 | 0.45 | |
| 2900 | | 2.20 | 3.05 | 3.98 | 4.50 | 5.00 | 5.51 | 6.01 | 7.18 | 8.39 | 9.02 | 9.73 | 10.60 | 11.42 | 12.98 | 14.40 | 0.04 | 0.27 | 0.38 | 0.47 | |
| 3000 | | 2.24 | 3.12 | 4.09 | 4.62 | 5.14 | 5.65 | 6.17 | 7.36 | 8.60 | 9.25 | 9.97 | 10.85 | 11.69 | 13.26 | 14.68 | 0.04 | 0.28 | 0.39 | 0.48 | |
| 3100 | 2.29 | 3.19 | 4.19 | 4.73 | 5.27 | 5.80 | 6.32 | 7.54 | 8.81 | 9.47 | 10.20 | 11.09 | 11.94 | 13.52 | 14.93 | 0.04 | 0.29 | 0.41 | 0.50 | | |
| 3200 | 2.34 | 3.28 | 4.30 | 4.85 | 5.40 | 5.94 | 6.47 | 7.72 | 9.01 | 9.68 | 10.43 | 11.33 | 12.18 | 13.76 | 15.17 | 0.05 | 0.30 | 0.42 | 0.52 | | |
| 3300 | 2.39 | 3.35 | 4.39 | 4.96 | 5.52 | 6.07 | 6.62 | 7.90 | 9.20 | 9.89 | 10.64 | 11.56 | 12.42 | 14.00 | 15.37 | 0.05 | 0.31 | 0.43 | 0.53 | | |
| 3400 | 2.44 | 3.42 | 4.49 | 5.06 | 5.64 | 6.20 | 6.77 | 8.06 | 9.40 | 10.09 | 10.86 | 11.77 | 12.64 | 14.22 | 15.58 | 0.05 | 0.31 | 0.45 | 0.55 | | |
| 3500 | 2.48 | 3.48 | 4.58 | 5.17 | 5.76 | 6.34 | 6.90 | 8.22 | 9.59 | 10.28 | 11.05 | 11.98 | 12.84 | 14.41 | 15.74 | 0.05 | 0.32 | 0.46 | 0.56 | | |
| 3600 | 2.53 | 3.55 | 4.67 | 5.28 | 5.88 | 6.47 | 7.04 | 8.39 | 9.77 | 10.48 | 11.26 | 12.18 | 13.04 | 14.60 | 15.90 | 0.05 | 0.33 | 0.47 | 0.58 | | |
| 3700 | 2.58 | 3.62 | 4.76 | 5.39 | 5.99 | 6.59 | 7.18 | 8.54 | 9.94 | 10.66 | 11.44 | 12.36 | 13.22 | 14.77 | 16.03 | 0.05 | 0.34 | 0.49 | 0.60 | | |
| 3800 | 2.62 | 3.68 | 4.85 | 5.48 | 6.11 | 6.72 | 7.31 | 8.69 | 10.10 | 10.82 | 11.62 | 12.54 | 13.40 | 14.92 | 16.14 | 0.05 | 0.35 | 0.50 | 0.61 | | |
| 3900 | 2.66 | 3.76 | 4.94 | 5.58 | 6.22 | 6.84 | 7.44 | 8.84 | 10.27 | 10.99 | 11.78 | 12.71 | 13.57 | 15.06 | 16.22 | 0.06 | 0.36 | 0.51 | 0.63 | | |
| 4000 | 2.70 | 3.82 | 5.03 | 5.68 | 6.32 | 6.95 | 7.56 | 8.99 | 10.42 | 11.15 | 11.94 | 12.86 | 13.72 | 15.18 | 16.28 | 0.06 | 0.37 | 0.53 | 0.64 | | |
| 4100 | 2.75 | 3.88 | 5.11 | 5.77 | 6.42 | 7.07 | 7.69 | 9.12 | 10.57 | 11.30 | 12.10 | 13.01 | 13.85 | 15.28 | 16.32 | 0.06 | 0.38 | 0.54 | 0.66 | | |
| 4200 | 2.78 | 3.94 | 5.18 | 5.87 | 6.53 | 7.18 | 7.80 | 9.25 | 10.72 | 11.45 | 12.24 | 13.15 | 13.98 | 15.36 | 16.33 | 0.06 | 0.39 | 0.55 | 0.68 | | |
| 4300 | 2.82 | 4.00 | 5.27 | 5.95 | 6.62 | 7.28 | 7.92 | 9.38 | 10.85 | 11.58 | 12.37 | 13.27 | 14.09 | 15.42 | 16.32 | 0.06 | 0.40 | 0.57 | 0.69 | | |
| 4400 | 2.86 | 4.04 | 5.34 | 6.04 | 6.72 | 7.38 | 8.03 | 9.50 | 10.98 | 11.71 | 12.49 | 13.39 | 14.18 | 15.47 | 16.28 | 0.06 | 0.41 | 0.58 | 0.71 | | |
| 4500 | 2.89 | 4.10 | 5.41 | 6.12 | 6.82 | 7.49 | 8.14 | 9.62 | 11.10 | 11.83 | 12.61 | 13.49 | 14.27 | 15.49 | 16.21 | 0.06 | 0.42 | 0.59 | 0.73 | | |
| 4600 | 2.93 | 4.15 | 5.50 | 6.20 | 6.90 | 7.58 | 8.24 | 9.73 | 11.21 | 11.94 | 12.71 | 13.58 | 14.34 | 15.49 | 16.13 | 0.07 | 0.43 | 0.60 | 0.74 | | |
| 4700 | 2.96 | 4.21 | 5.56 | 6.29 | 7.00 | 7.68 | 8.34 | 9.84 | 11.32 | 12.05 | 12.80 | 13.66 | 14.40 | 15.48 | 16.01 | 0.07 | 0.44 | 0.62 | 0.76 | | |
| 4800 | 2.99 | 4.26 | 5.63 | 6.36 | 7.08 | 7.76 | 8.44 | 9.95 | 11.42 | 12.14 | 12.89 | 13.73 | 14.44 | 15.44 | 15.86 | 0.07 | 0.44 | 0.63 | 0.77 | | |
| 4900 | 3.02 | 4.31 | 5.70 | 6.43 | 7.15 | 7.85 | 8.53 | 10.04 | 11.51 | 12.23 | 12.97 | 13.79 | 14.46 | 15.38 | 15.68 | 0.07 | 0.45 | 0.64 | 0.79 | | |
| 5000 | 3.05 | 4.36 | 5.76 | 6.50 | 7.24 | 7.93 | 8.62 | 10.14 | 11.60 | 12.30 | 13.03 | 13.82 | 14.47 | 15.31 | 15.48 | 0.07 | 0.46 | 0.66 | 0.81 | | |
| 5100 | 3.08 | 4.40 | 5.82 | 6.58 | 7.31 | 8.02 | 8.70 | 10.22 | 11.68 | 12.37 | 13.09 | 13.85 | 14.47 | 15.22 | 15.25 | 0.07 | 0.47 | 0.67 | 0.82 | | |
| 5200 | 3.11 | 4.44 | 5.88 | 6.64 | 7.38 | 8.09 | 8.77 | 10.30 | 11.75 | 12.43 | 13.13 | 13.87 | 14.45 | 15.10 | 14.99 | 0.07 | 0.48 | 0.68 | 0.84 | | |
| 5300 | 3.13 | 4.49 | 5.94 | 6.71 | 7.45 | 8.16 | 8.86 | 10.37 | 11.81 | 12.48 | 13.16 | 13.87 | 14.41 | 14.95 | | 0.08 | 0.49 | 0.70 | 0.85 | | |
| 5400 | 3.16 | 4.52 | 5.99 | 6.77 | 7.51 | 8.23 | 8.92 | 10.44 | 11.87 | 12.53 | 13.19 | 13.86 | 14.36 | 14.78 | | 0.08 | 0.50 | 0.71 | 0.87 | | |
| 5500 | 3.18 | 4.56 | 6.04 | 6.83 | 7.57 | 8.29 | 8.99 | 10.50 | 11.92 | 12.56 | 13.20 | 13.84 | 14.29 | 14.59 | | 0.08 | 0.51 | 0.72 | 0.89 | | |
| 5600 | 3.20 | 4.60 | 6.10 | 6.88 | 7.63 | 8.36 | 9.05 | 10.56 | 11.95 | 12.58 | 13.20 | 13.80 | 14.21 | 14.39 | | 0.08 | 0.52 | 0.74 | 0.90 | | |
| 5800 | 3.24 | 4.67 | 6.18 | 6.98 | 7.74 | 8.47 | 9.16 | 10.66 | 12.00 | 12.60 | 13.16 | 13.68 | 13.98 | 13.88 | | 0.08 | 0.54 | 0.76 | 0.93 | | |
| 6000 | 3.28 | 4.73 | 6.26 | 7.07 | 7.84 | 8.57 | 9. | | | | | | | | | | | | | | |

POWER RATINGS

optibelt RED POWER 3 PROFILE SPA

NOMINAL POWER RATING P_N [kW]

FOR $\beta = 180^\circ$ AND $L_d = 2500$ mm



Table 33

| Pulleys | v [m/s] | n_k [min ⁻¹] | Datum diameter of small pulley d_{sk} [mm] | | | | | | | | | | | | | | Additional power [kW] per belt for speed ratio i | | | | |
|---------------------|---------|-------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|--------------------|--------------------|--------------------|--------|
| | | | 90 | 95 | 100 | 112 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | > 1.57 |
| Statically balanced | ⑤ | 700 | 1.61 | 1.85 | 2.08 | 2.64 | 3.24 | 3.56 | 3.94 | 4.39 | 4.84 | 5.74 | 6.64 | 7.69 | 8.82 | 10.10 | 11.59 | 0.02 | 0.15 | 0.21 | 0.26 |
| | | 950 | 2.06 | 2.38 | 2.69 | 3.43 | 4.22 | 4.66 | 5.14 | 5.74 | 6.34 | 7.52 | 8.69 | 10.08 | 11.56 | 13.24 | 15.14 | 0.03 | 0.20 | 0.29 | 0.36 |
| | | 1450 | 2.88 | 3.34 | 3.79 | 4.88 | 6.05 | 6.67 | 7.38 | 8.26 | 9.13 | 10.84 | 12.52 | 14.50 | 16.57 | 18.90 | 21.52 | 0.05 | 0.31 | 0.44 | 0.54 |
| | | 2850 | 4.69 | 5.53 | 6.35 | 8.29 | 10.36 | 11.44 | 12.65 | 14.15 | 15.60 | 18.40 | 21.02 | 23.95 | 26.82 | 29.70 | 32.41 | 0.09 | 0.61 | 0.87 | 1.07 |
| | | 100 | 0.31 | 0.35 | 0.38 | 0.48 | 0.58 | 0.62 | 0.68 | 0.77 | 0.84 | 0.98 | 1.13 | 1.31 | 1.49 | 1.70 | 1.96 | 0.00 | 0.02 | 0.03 | 0.04 |
| | | 200 | 0.56 | 0.64 | 0.71 | 0.89 | 1.07 | 1.18 | 1.28 | 1.43 | 1.57 | 1.85 | 2.14 | 2.47 | 2.82 | 3.24 | 3.71 | 0.01 | 0.04 | 0.06 | 0.07 |
| | | 300 | 0.79 | 0.90 | 1.01 | 1.26 | 1.54 | 1.68 | 1.85 | 2.06 | 2.27 | 2.68 | 3.08 | 3.58 | 4.09 | 4.69 | 5.39 | 0.01 | 0.06 | 0.09 | 0.11 |
| | | 400 | 1.01 | 1.15 | 1.30 | 1.63 | 1.98 | 2.17 | 2.40 | 2.66 | 2.94 | 3.48 | 4.01 | 4.64 | 5.33 | 6.10 | 7.00 | 0.01 | 0.09 | 0.12 | 0.15 |
| | | 500 | 1.22 | 1.39 | 1.56 | 1.98 | 2.41 | 2.65 | 2.92 | 3.25 | 3.59 | 4.25 | 4.91 | 5.68 | 6.52 | 7.48 | 8.57 | 0.02 | 0.11 | 0.15 | 0.19 |
| | | 600 | 1.42 | 1.62 | 1.82 | 2.32 | 2.83 | 3.12 | 3.43 | 3.83 | 4.22 | 5.00 | 5.77 | 6.70 | 7.68 | 8.81 | 10.10 | 0.02 | 0.13 | 0.18 | 0.22 |
| | | 700 | 1.61 | 1.85 | 2.08 | 2.64 | 3.24 | 3.56 | 3.94 | 4.39 | 4.84 | 5.74 | 6.64 | 7.69 | 8.82 | 10.10 | 11.59 | 0.02 | 0.15 | 0.21 | 0.26 |
| | | 800 | 1.80 | 2.06 | 2.33 | 2.96 | 3.65 | 4.01 | 4.42 | 4.93 | 5.45 | 6.47 | 7.46 | 8.66 | 9.94 | 11.38 | 13.04 | 0.03 | 0.17 | 0.24 | 0.30 |
| | | 900 | 1.97 | 2.27 | 2.57 | 3.28 | 4.03 | 4.44 | 4.90 | 5.47 | 6.05 | 7.18 | 8.29 | 9.61 | 11.02 | 12.62 | 14.46 | 0.03 | 0.19 | 0.27 | 0.34 |
| | | 1000 | 2.15 | 2.47 | 2.81 | 3.58 | 4.42 | 4.86 | 5.38 | 6.00 | 6.62 | 7.87 | 9.10 | 10.54 | 12.08 | 13.84 | 15.83 | 0.03 | 0.22 | 0.31 | 0.37 |
| | | 1100 | 2.32 | 2.68 | 3.04 | 3.88 | 4.79 | 5.28 | 5.83 | 6.52 | 7.20 | 8.54 | 9.88 | 11.45 | 13.13 | 15.01 | 17.17 | 0.04 | 0.24 | 0.34 | 0.41 |
| | | 1200 | 2.48 | 2.87 | 3.25 | 4.18 | 5.16 | 5.69 | 6.29 | 7.03 | 7.76 | 9.22 | 10.66 | 12.35 | 14.14 | 16.16 | 18.47 | 0.04 | 0.26 | 0.37 | 0.45 |
| | | 1300 | 2.64 | 3.06 | 3.48 | 4.46 | 5.52 | 6.08 | 6.73 | 7.52 | 8.32 | 9.88 | 11.41 | 13.22 | 15.13 | 17.29 | 19.72 | 0.04 | 0.28 | 0.40 | 0.49 |
| | | 1400 | 2.80 | 3.24 | 3.68 | 4.75 | 5.88 | 6.48 | 7.16 | 8.02 | 8.86 | 10.52 | 12.16 | 14.08 | 16.10 | 18.37 | 20.93 | 0.05 | 0.30 | 0.43 | 0.52 |
| | | 1500 | 2.95 | 3.43 | 3.90 | 5.03 | 6.23 | 6.86 | 7.60 | 8.50 | 9.40 | 11.16 | 12.88 | 14.90 | 17.04 | 19.43 | 22.08 | 0.05 | 0.32 | 0.46 | 0.56 |
| | | 1600 | 3.11 | 3.60 | 4.10 | 5.29 | 6.58 | 7.25 | 8.02 | 8.98 | 9.91 | 11.77 | 13.60 | 15.72 | 17.95 | 20.45 | 23.21 | 0.05 | 0.34 | 0.49 | 0.60 |
| | | 1700 | 3.25 | 3.78 | 4.31 | 5.57 | 6.91 | 7.62 | 8.44 | 9.43 | 10.43 | 12.38 | 14.29 | 16.51 | 18.84 | 21.43 | 24.29 | 0.06 | 0.37 | 0.52 | 0.64 |
| | | 1800 | 3.40 | 3.95 | 4.51 | 5.83 | 7.24 | 7.99 | 8.84 | 9.90 | 10.93 | 12.97 | 14.96 | 17.29 | 19.70 | 22.37 | 25.30 | 0.06 | 0.39 | 0.55 | 0.67 |
| | | 1900 | 3.53 | 4.12 | 4.70 | 6.08 | 7.56 | 8.35 | 9.24 | 10.34 | 11.42 | 13.56 | 15.64 | 18.04 | 20.53 | 23.28 | 26.27 | 0.06 | 0.41 | 0.58 | 0.71 |
| | | 2000 | 3.67 | 4.28 | 4.90 | 6.34 | 7.88 | 8.70 | 9.64 | 10.78 | 11.92 | 14.12 | 16.27 | 18.77 | 21.34 | 24.14 | 27.18 | 0.07 | 0.43 | 0.61 | 0.75 |
| | | 2100 | 3.80 | 4.44 | 5.08 | 6.59 | 8.20 | 9.05 | 10.02 | 11.21 | 12.38 | 14.69 | 16.91 | 19.46 | 22.12 | 24.97 | 28.03 | 0.07 | 0.45 | 0.64 | 0.79 |
| | | 2200 | 3.92 | 4.60 | 5.26 | 6.83 | 8.51 | 9.40 | 10.39 | 11.63 | 12.85 | 15.23 | 17.52 | 20.15 | 22.85 | 25.75 | 28.84 | 0.07 | 0.47 | 0.67 | 0.82 |
| | | 2300 | 4.06 | 4.75 | 5.44 | 7.07 | 8.81 | 9.72 | 10.76 | 12.05 | 13.31 | 15.76 | 18.11 | 20.81 | 23.56 | 26.50 | 29.57 | 0.08 | 0.50 | 0.70 | 0.86 |
| | | 2400 | 4.18 | 4.90 | 5.62 | 7.31 | 9.10 | 10.06 | 11.12 | 12.44 | 13.74 | 16.27 | 18.68 | 21.44 | 24.23 | 27.19 | 30.24 | 0.08 | 0.52 | 0.73 | 0.90 |
| | | 2500 | 4.30 | 5.04 | 5.78 | 7.54 | 9.38 | 10.37 | 11.48 | 12.84 | 14.17 | 16.76 | 19.24 | 22.04 | 24.88 | 27.83 | 30.84 | 0.08 | 0.54 | 0.76 | 0.94 |
| | | 2600 | 4.42 | 5.18 | 5.95 | 7.75 | 9.67 | 10.68 | 11.82 | 13.22 | 14.59 | 17.24 | 19.78 | 22.62 | 25.48 | 28.43 | 31.38 | 0.09 | 0.56 | 0.79 | 0.97 |
| | | 2700 | 4.52 | 5.33 | 6.11 | 7.98 | 9.95 | 10.99 | 12.17 | 13.60 | 15.00 | 17.71 | 20.29 | 23.17 | 26.04 | 28.98 | 31.85 | 0.09 | 0.58 | 0.82 | 1.01 |
| | | 2800 | 4.64 | 5.46 | 6.28 | 8.20 | 10.22 | 11.29 | 12.49 | 13.97 | 15.41 | 18.17 | 20.78 | 23.70 | 26.57 | 29.47 | 32.24 | 0.09 | 0.60 | 0.86 | 1.05 |
| | | 2900 | 4.75 | 5.59 | 6.43 | 8.40 | 10.49 | 11.58 | 12.82 | 14.32 | 15.79 | 18.61 | 21.26 | 24.20 | 27.06 | 29.92 | 32.57 | 0.10 | 0.62 | 0.89 | 1.09 |
| | | 3000 | 4.85 | 5.72 | 6.58 | 8.60 | 10.74 | 11.87 | 13.13 | 14.66 | 16.16 | 19.03 | 21.71 | 24.66 | 27.52 | 30.30 | 32.81 | 0.10 | 0.65 | 0.92 | 1.12 |
| | | 3100 | 4.96 | 5.84 | 6.73 | 8.81 | 10.99 | 12.14 | 13.43 | 15.00 | 16.52 | 19.44 | 22.14 | 25.10 | 27.92 | 30.62 | 32.96 | 0.10 | 0.67 | 0.95 | 1.16 |
| | | 3200 | 5.05 | 5.96 | 6.88 | 9.00 | 11.23 | 12.41 | 13.73 | 15.32 | 16.87 | 19.82 | 22.55 | 25.51 | 28.28 | 30.90 | 33.05 | 0.11 | 0.69 | 0.98 | 1.20 |
| | | 3300 | 5.15 | 6.08 | 7.01 | 9.19 | 11.47 | 12.67 | 14.00 | 15.64 | 17.21 | 20.20 | 22.93 | 25.88 | 28.61 | 31.12 | 33.05 | 0.11 | 0.71 | 1.01 | 1.24 |
| | | 3400 | 5.24 | 6.20 | 7.15 | 9.37 | 11.70 | 12.92 | 14.28 | 15.94 | 17.53 | 20.54 | 23.29 | 26.22 | 28.90 | 31.26 | | 0.11 | 0.73 | 1.04 | 1.27 |
| | | 3500 | 5.33 | 6.31 | 7.28 | 9.55 | 11.93 | 13.16 | 14.56 | 16.22 | 17.84 | 20.88 | 23.63 | 26.53 | 29.12 | 31.34 | | 0.12 | 0.75 | 1.07 | 1.31 |
| | | 3600 | 5.41 | 6.42 | 7.40 | 9.72 | 12.14 | 13.40 | 14.81 | 16.51 | 18.14 | 21.19 | 23.94 | 26.81 | 29.32 | 31.37 | | 0.12 | 0.77 | 1.10 | 1.35 |
| | | 3700 | 5.50 | 6.52 | 7.52 | 9.89 | 12.35 | 13.63 | 15.06 | 16.78 | 18.42 | 21.49 | 24.23 | 27.04 | 29.45 | 31.33 | | 0.12 | 0.80 | 1.13 | 1.39 |
| | | 3800 | 5.58 | 6.62 | 7.64 | 10.06 | 12.55 | 13.86 | 15.30 | 17.03 | 18.70 | 21.77 | 24.49 | 27.24 | 29.54 | | | 0.13 | 0.82 | 1.16 | 1.42 |
| | | 3900 | 5.65 | 6.72 | 7.76 | 10.21 | 12.74 | 14.06 | 15.53 | 17.28 | 18.95 | 22.02 | 24.72 | 27.41 | 29.58 | | | 0.13 | 0.84 | 1.19 | 1.46 |
| | | 4000 | 5.72 | 6.80 | 7.87 | 10.36 | 12.94 | 14.27 | 15.74 | 17.51 | 19.19 | 22.26 | 24.92 | 27.54 | 29.57 | | | 0.13 | 0.86 | 1.22 | 1.50 |
| | | 4100 | 5.80 | 6.90 | 7.98 | 10.51 | 13.12 | 14.46 | 15.95 | 17.74 | 19.42 | 22.48 | 25.10 | 27.62 | 29.51 | | | 0.14 | 0.88 | 1.25 | 1.54 |
| | | 4200 | 5.86 | 6.98 | 8.09 | 10.64 | 13.28 | 14.65 | 16.15 | 17.94 | 19.62 | 22.67 | 25.26 | 27.68 | 29.39 | | | 0.14 | 0.90 | 1.28 | 1.57 |
| | | 4300 | 5.93 | 7.07 | 8.18 | 10.78 | 13.45 | 14.82 | 16.33 | 18.13 | 19.82 | 22.85 | 25.38 | 27.70 | | | | 0.14 | 0.93 | 1.31 | 1.61 |
| 4400 | 5.99 | 7.14 | 8.27 | 10.91 | 13.61 | 14.99 | 16.51 | 18.31 | 19.99 | 23.00 | 25.48 | 27.66 | | | | 0.15 | 0.95 | 1.34 | 1.65 | | |
| 4500 | 6.04 | 7.21 | 8.36 | 11.03 | 13.75 | 15.16 | 16.68 | 18.48 | 20.16 | 23.14 | 25.54 | 27.59 | | | | 0.15 | 0.97 | 1.37 | 1.69 | | |
| 4600 | 6.08 | 7.28 | 8.45 | 11.15 | 13.90 | 15.30 | 16.84 | 18.64 | 20.30 | 23.23 | 25.56 | 27.48 | | | | 0.15 | 0.99 | 1.41 | 1.72 | | |
| 4700 | 6.14 | 7.34 | 8.53 | 11.26 | 14.03 | 15.43 | 16.97 | 18.78 | 20.44 | 23.32 | 25.56 | | | | | 0.16 | 1.01 | 1.44 | 1.76 | | |
| 4800 | 6.18 | 7.40 | 8.60 | 11.35 | 14.15 | 15.56 | 17.10 | 18.90 | 20.56 | 23.39 | 25.54 | | | | | 0.16 | 1.03 | 1.47 | 1.80 | | |
| 4900 | 6.23 | 7.46 | 8.68 | 11.45 | 14.27 | 15.68 | 17.22 | 19.01 | 20.65 | 23.42 | 25.46 | | | | | 0.16 | 1.05 | 1.50 | 1.84 | | |
| 5000 | 6.26 | 7.51 | 8.74 | 11.54 | 14.36 | 15.79 | 17.33 | 19.10 | 20.72 | 23.44 | 25.37 | | | | | 0.17 | 1.08 | 1.53 | 1.87 | | |
| 5100 | 6.30 | 7.56 | 8.80 | 11.63 | 14.46 | 15.89 | 17.42 | 19.19 | 20.78 | 23.42 | 25.24 | | | | | 0.17 | 1.10 | 1.56 | 1.91 | | |
| 5200 | 6.32 | 7.61 | 8.86 | 11.70 | 14.56 | 15.97 | 17.51 | 19.26 | 20.83 | 23.38 | 25.08 | | | | | 0.17 | 1.12 | 1.59 | 1.95 | | |
| 5300 | 6.35 | 7.64 | 8.90 | 11.77 | 14.63 | 16.06 | 17.58 | 19.31 | 20.86 | 23.32 | | | | | | 0.18 | 1.14 | 1.62 | 1.99 | | |
| 5400 | 6.37 | 7.68 | 8.95 | 11.83 | 14.70 | 16.12 | 17.63 | 19.34 | 20.86 | 23.23 | | | | | | 0.18 | 1.16 | 1.65 | 2.02 | | |
| 5500 | 6.40 | 7.70 | 8.99 | 11.89 | 14.76 | 16.18 | 17.68 | 19.37 | 20.84 | 23.11 | | | | | | 0.18 | 1.18 | 1.68 | 2.06 | | |
| 5600 | 6.41 | 7.74 | 9.02 | 11.94 | 14.81 | 16.22 | 17.71 | 19.38 | 20.82 | 22.97 | | | | | | 0.19 | 1.21 | 1.71 | 2.10 | | |
| 5700 | 6.42 | 7.75 | 9.05 | 11.98 | 14.84 | 16.25 | 17.72 | 19.37 | 20.76 | 22.80 | | | | | | 0.19 | 1.23 | 1.74 | 2.13 | | |
| 5800 | 6.42 | 7.78 | 9.07 | 12.01 | 14.88 | 16.27 | 17.72 | 19.33 | 20.69 | 22.60 | | | | | | 0.19 | 1.25 | 1.77 | 2.17 | | |
| 5900 | 6.43 | 7.79 | 9.10 | 12.05 | 14.90 | 16.28 | 17.72 | 19.30 | 20.60 | | </ | | | | | | | | | | |

POWER RATINGS

optibelt **RED POWER 3** PROFILE SPB, 5V/15N, 5V/15J

NOMINAL POWER RATING P_N [kW]

FOR $\beta = 180^\circ$ AND $L_d = 3550$ mm



Table 34

| Pulleys | v [m/s] | n_k [min ⁻¹] | Datum diameter of small pulley d_{dk} [mm] | | | | | | | | | | | | Additional power [kW] per belt for speed ratio i | | | | |
|---------------------|-----------|-------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|--------------------|--------------------|--------------------|--------|
| | | | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 335 | 355 | 375 | 400 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | > 1.57 |
| Statically balanced | 700 | 4.82 | 5.57 | 6.32 | 7.80 | 9.28 | 11.02 | 12.89 | 15.02 | 17.48 | 18.88 | 20.26 | 21.62 | 23.33 | 0.05 | 0.33 | 0.47 | 0.58 | |
| | | 950 | 6.23 | 7.22 | 8.21 | 10.18 | 12.11 | 14.41 | 16.86 | 19.66 | 22.86 | 24.66 | 26.45 | 28.21 | 30.38 | 0.07 | 0.45 | 0.64 | 0.78 |
| | | 1450 | 8.80 | 10.26 | 11.70 | 14.54 | 17.35 | 20.65 | 24.16 | 28.09 | 32.54 | 35.02 | 37.43 | 39.79 | 42.65 | 0.11 | 0.69 | 0.97 | 1.20 |
| | | 2850 | 14.53 | 17.05 | 19.54 | 24.35 | 28.93 | 34.12 | 39.34 | 44.76 | 50.24 | 52.93 | 55.26 | 0.21 | 1.35 | 1.92 | 2.35 | | |
| | | 100 | 0.89 | 1.01 | 1.13 | 1.37 | 1.61 | 1.90 | 2.21 | 2.56 | 2.96 | 3.20 | 3.43 | 3.66 | 3.95 | 0.01 | 0.05 | 0.07 | 0.08 |
| | 200 | 1.63 | 1.87 | 2.10 | 2.57 | 3.02 | 3.58 | 4.16 | 4.84 | 5.62 | 6.06 | 6.50 | 6.95 | 7.49 | 0.01 | 0.09 | 0.13 | 0.16 | |
| | 300 | 2.33 | 2.68 | 3.01 | 3.68 | 4.36 | 5.16 | 6.02 | 7.01 | 8.14 | 8.78 | 9.43 | 10.07 | 10.87 | 0.02 | 0.14 | 0.20 | 0.25 | |
| | 400 | 2.99 | 3.43 | 3.88 | 4.76 | 5.64 | 6.68 | 7.81 | 9.10 | 10.57 | 11.42 | 12.25 | 13.09 | 14.12 | 0.03 | 0.19 | 0.27 | 0.33 | |
| | 500 | 3.62 | 4.16 | 4.72 | 5.81 | 6.89 | 8.17 | 9.55 | 11.12 | 12.94 | 13.97 | 15.00 | 16.02 | 17.28 | 0.04 | 0.24 | 0.34 | 0.41 | |
| | 600 | 4.22 | 4.88 | 5.53 | 6.82 | 8.09 | 9.61 | 11.24 | 13.10 | 15.24 | 16.46 | 17.66 | 18.86 | 20.35 | 0.04 | 0.28 | 0.40 | 0.49 | |
| | 700 | 4.82 | 5.57 | 6.32 | 7.80 | 9.28 | 11.02 | 12.89 | 15.02 | 17.48 | 18.88 | 20.26 | 21.62 | 23.33 | 0.05 | 0.33 | 0.47 | 0.58 | |
| | 800 | 5.40 | 6.24 | 7.09 | 8.76 | 10.43 | 12.40 | 14.51 | 16.91 | 19.68 | 21.24 | 22.79 | 24.32 | 26.22 | 0.06 | 0.38 | 0.54 | 0.66 | |
| | 900 | 5.95 | 6.90 | 7.84 | 9.71 | 11.56 | 13.74 | 16.09 | 18.76 | 21.82 | 23.53 | 25.25 | 26.93 | 29.02 | 0.07 | 0.43 | 0.61 | 0.74 | |
| | 1000 | 6.50 | 7.54 | 8.58 | 10.63 | 12.66 | 15.06 | 17.63 | 20.56 | 23.89 | 25.78 | 27.62 | 29.46 | 31.72 | 0.07 | 0.47 | 0.67 | 0.82 | |
| | 1100 | 7.03 | 8.17 | 9.30 | 11.53 | 13.74 | 16.36 | 19.14 | 22.31 | 25.92 | 27.95 | 29.94 | 31.91 | 34.33 | 0.08 | 0.52 | 0.74 | 0.91 | |
| | 1200 | 7.55 | 8.78 | 10.00 | 12.42 | 14.80 | 17.62 | 20.62 | 24.01 | 27.89 | 30.05 | 32.18 | 34.27 | 36.84 | 0.09 | 0.57 | 0.81 | 0.99 | |
| | 1300 | 8.06 | 9.38 | 10.69 | 13.28 | 15.84 | 18.85 | 22.06 | 25.68 | 29.80 | 32.09 | 34.34 | 36.55 | 39.25 | 0.10 | 0.62 | 0.87 | 1.07 | |
| | 1400 | 8.56 | 9.97 | 11.36 | 14.14 | 16.85 | 20.06 | 23.47 | 27.30 | 31.64 | 34.06 | 36.42 | 38.74 | 41.54 | 0.10 | 0.66 | 0.94 | 1.15 | |
| | 1500 | 9.05 | 10.54 | 12.02 | 14.96 | 17.84 | 21.24 | 24.84 | 28.87 | 33.43 | 35.95 | 38.42 | 40.82 | 43.73 | 0.11 | 0.71 | 1.01 | 1.24 | |
| | 1600 | 9.52 | 11.10 | 12.67 | 15.77 | 18.82 | 22.39 | 26.17 | 30.41 | 35.16 | 37.78 | 40.33 | 42.80 | 45.79 | 0.12 | 0.76 | 1.08 | 1.32 | |
| | 1700 | 9.98 | 11.65 | 13.31 | 16.57 | 19.76 | 23.52 | 27.47 | 31.88 | 36.82 | 39.52 | 42.14 | 44.69 | 47.74 | 0.12 | 0.81 | 1.14 | 1.40 | |
| | 1800 | 10.43 | 12.19 | 13.92 | 17.34 | 20.69 | 24.61 | 28.73 | 33.31 | 38.40 | 41.18 | 43.87 | 46.45 | 49.54 | 0.13 | 0.85 | 1.21 | 1.48 | |
| | 1900 | 10.87 | 12.71 | 14.53 | 18.11 | 21.60 | 25.67 | 29.95 | 34.68 | 39.91 | 42.77 | 45.49 | 48.12 | 51.22 | 0.14 | 0.90 | 1.28 | 1.57 | |
| | 2000 | 11.30 | 13.22 | 15.12 | 18.84 | 22.48 | 26.70 | 31.13 | 36.00 | 41.36 | 44.26 | 47.02 | 49.66 | 52.74 | 0.15 | 0.95 | 1.34 | 1.65 | |
| | 2100 | 11.72 | 13.73 | 15.70 | 19.56 | 23.33 | 27.71 | 32.26 | 37.26 | 42.72 | 45.66 | 48.44 | 51.06 | 54.12 | 0.15 | 0.99 | 1.41 | 1.73 | |
| | 2200 | 12.13 | 14.21 | 16.26 | 20.27 | 24.16 | 28.68 | 33.36 | 38.47 | 44.02 | 46.97 | 49.74 | 52.36 | 55.36 | 0.16 | 1.04 | 1.48 | 1.81 | |
| | 2300 | 12.53 | 14.69 | 16.80 | 20.95 | 24.97 | 29.60 | 34.40 | 39.61 | 45.22 | 48.17 | 50.94 | 53.51 | 56.41 | 0.17 | 1.09 | 1.55 | 1.90 | |
| | 2400 | 12.92 | 15.14 | 17.34 | 21.61 | 25.75 | 30.52 | 35.41 | 40.70 | 46.33 | 49.28 | 52.01 | 54.52 | 57.31 | 0.18 | 1.14 | 1.61 | 1.98 | |
| | 2500 | 13.30 | 15.59 | 17.86 | 22.26 | 26.51 | 31.38 | 36.37 | 41.72 | 47.36 | 50.28 | 52.97 | 55.39 | 58.04 | 0.18 | 1.18 | 1.68 | 2.06 | |
| | 2600 | 13.67 | 16.03 | 18.35 | 22.88 | 27.23 | 32.21 | 37.27 | 42.67 | 48.31 | 51.18 | 53.78 | 56.11 | 58.60 | 0.19 | 1.23 | 1.75 | 2.14 | |
| | 2700 | 14.02 | 16.45 | 18.84 | 23.48 | 27.94 | 33.00 | 38.14 | 43.56 | 49.15 | 51.97 | 54.48 | 56.68 | 0.20 | 1.28 | 1.82 | 2.23 | | |
| | 2800 | 14.36 | 16.86 | 19.31 | 24.06 | 28.61 | 33.76 | 38.94 | 44.38 | 49.91 | 52.63 | 55.03 | 57.08 | 0.21 | 1.33 | 1.88 | 2.31 | | |
| | 2900 | 14.69 | 17.26 | 19.76 | 24.62 | 29.24 | 34.48 | 39.71 | 45.13 | 50.56 | 53.18 | 55.45 | 0.21 | 1.37 | 1.95 | 2.39 | | | |
| | 3000 | 15.01 | 17.63 | 20.20 | 25.15 | 29.86 | 35.15 | 40.40 | 45.80 | 51.11 | 53.62 | 0.22 | 1.42 | 2.02 | 2.47 | | | | |
| | 3100 | 15.31 | 18.00 | 20.62 | 25.67 | 30.44 | 35.78 | 41.05 | 46.40 | 51.55 | 53.92 | 0.23 | 1.47 | 2.08 | 2.56 | | | | |
| | 3200 | 15.61 | 18.35 | 21.02 | 26.16 | 31.00 | 36.38 | 41.65 | 46.92 | 51.89 | 0.23 | 1.52 | 2.15 | 2.64 | | | | | |
| | 3300 | 15.89 | 18.68 | 21.41 | 26.63 | 31.52 | 36.94 | 42.18 | 47.36 | 52.10 | 0.24 | 1.56 | 2.22 | 2.72 | | | | | |
| | 3400 | 16.16 | 19.01 | 21.78 | 27.07 | 32.02 | 37.44 | 42.66 | 47.72 | 0.25 | 1.61 | 2.29 | 2.80 | | | | | | |
| | 3500 | 16.42 | 19.32 | 22.13 | 27.49 | 32.47 | 37.91 | 43.07 | 48.00 | 0.26 | 1.66 | 2.35 | 2.89 | | | | | | |
| | 3600 | 16.67 | 19.61 | 22.46 | 27.89 | 32.90 | 38.33 | 43.43 | 48.18 | 0.26 | 1.71 | 2.42 | 2.97 | | | | | | |
| | 3700 | 16.90 | 19.88 | 22.78 | 28.25 | 33.29 | 38.70 | 43.72 | 48.29 | 0.27 | 1.75 | 2.49 | 3.05 | | | | | | |
| | 3800 | 17.11 | 20.15 | 23.08 | 28.60 | 33.65 | 39.02 | 43.93 | 0.28 | 1.80 | 2.55 | 3.13 | | | | | | | |
| | 3900 | 17.32 | 20.39 | 23.35 | 28.91 | 33.96 | 39.30 | 44.09 | 0.29 | 1.85 | 2.62 | 3.21 | | | | | | | |
| | 4000 | 17.51 | 20.62 | 23.60 | 29.20 | 34.25 | 39.53 | 44.17 | 0.29 | 1.89 | 2.69 | 3.30 | | | | | | | |
| | 4100 | 17.69 | 20.82 | 23.84 | 29.46 | 34.50 | 39.70 | 44.20 | 0.30 | 1.94 | 2.76 | 3.38 | | | | | | | |
| | 4200 | 17.84 | 21.02 | 24.06 | 29.69 | 34.70 | 39.82 | 44.15 | 0.31 | 1.99 | 2.82 | 3.46 | | | | | | | |
| | 4300 | 18.00 | 21.19 | 24.25 | 29.89 | 34.87 | 39.89 | 0.32 | 2.04 | 2.89 | 3.54 | | | | | | | | |
| | 4400 | 18.13 | 21.35 | 24.42 | 30.07 | 35.00 | 39.90 | 0.32 | 2.08 | 2.96 | 3.63 | | | | | | | | |
| | 4500 | 18.24 | 21.49 | 24.58 | 30.22 | 35.10 | 39.86 | 0.33 | 2.13 | 3.03 | 3.71 | | | | | | | | |
| | 4600 | 18.35 | 21.61 | 24.71 | 30.34 | 35.15 | 39.77 | 0.34 | 2.18 | 3.09 | 3.79 | | | | | | | | |
| 4700 | 18.43 | 21.72 | 24.82 | 30.42 | 35.16 | 0.34 | 2.23 | 3.16 | 3.87 | | | | | | | | | | |
| 4800 | 18.50 | 21.80 | 24.90 | 30.47 | 35.12 | 0.35 | 2.27 | 3.23 | 3.96 | | | | | | | | | | |
| 4900 | 18.56 | 21.86 | 24.96 | 30.49 | 35.05 | 0.36 | 2.32 | 3.29 | 4.04 | | | | | | | | | | |
| 5000 | 18.60 | 21.91 | 25.01 | 30.48 | 34.93 | 0.37 | 2.37 | 3.36 | 4.12 | | | | | | | | | | |
| 5100 | 18.62 | 21.94 | 25.02 | 30.43 | 34.76 | 0.37 | 2.42 | 3.43 | 4.20 | | | | | | | | | | |
| 5200 | 18.64 | 21.95 | 25.01 | 30.36 | 34.56 | 0.38 | 2.46 | 3.50 | 4.29 | | | | | | | | | | |
| 5300 | 18.62 | 21.94 | 24.98 | 30.24 | 0.39 | 2.51 | 3.56 | 4.37 | | | | | | | | | | | |
| 5400 | 18.60 | 21.90 | 24.92 | 30.10 | 0.40 | 2.56 | 3.63 | 4.45 | | | | | | | | | | | |
| 5500 | 18.55 | 21.84 | 24.84 | 29.92 | 0.40 | 2.61 | 3.70 | 4.53 | | | | | | | | | | | |

$v_{max} \leq 55$ m/s

$v > 42$ m/s.
Please consult our
Application Engineering
Department.

Note: Pulley diameters shown are outside diameters for sections 5V/15N, 5V/15J.

POWER RATINGS

optibelt RED POWER 3 PROFILE SPC

NOMINAL POWER RATING P_N [kW]

FOR β = 180° AND L_d = 5600 mm



Table 35

| Pulleys | v [m/s] | n _k [min ⁻¹] | Datum diameter of small pulley d _{sk} [mm] | | | | | | | | | | | | Additional power [kW] per belt for speed ratio i | | | | | |
|---------------------|---------|--|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---|--------------------|--------------------|--------------------|--------|------|
| | | | 224 | 250 | 280 | 315 | 335 | 355 | 375 | 400 | 450 | 500 | 560 | 630 | 710 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | > 1.57 | |
| Statically balanced | | 700 | 13.31 | 16.61 | 20.38 | 24.71 | 27.17 | 29.59 | 32.00 | 34.99 | 40.87 | 46.63 | 53.38 | 61.01 | 69.38 | 0.14 | 0.90 | 1.28 | 1.57 | |
| | | 950 | 17.08 | 21.41 | 26.33 | 31.97 | 35.14 | 38.28 | 41.38 | 45.19 | 52.66 | 59.86 | 68.16 | 77.33 | 87.06 | 0.19 | 1.22 | 1.73 | 2.13 | |
| | | 1450 | 23.68 | 29.83 | 36.76 | 44.57 | 48.90 | 53.14 | 57.26 | 62.28 | 71.77 | 80.51 | 89.90 | 99.23 | 107.51 | 0.29 | 1.86 | 2.65 | 3.25 | |
| | | 2850 | 34.84 | 43.91 | 53.33 | 62.76 | 67.33 | 71.27 | 0.57 | 3.67 | 5.20 | 6.38 | | | | | | | | |
| | | 50 | 1.34 | 1.62 | 1.96 | 2.33 | 2.54 | 2.76 | 2.96 | 3.23 | 3.76 | 4.28 | 4.91 | 5.63 | 6.44 | 0.01 | 0.06 | 0.09 | 0.11 | |
| | | 100 | 2.48 | 3.02 | 3.65 | 4.37 | 4.78 | 5.18 | 5.59 | 6.11 | 7.12 | 8.11 | 9.30 | 10.68 | 12.24 | 0.02 | 0.13 | 0.18 | 0.22 | |
| | | 150 | 3.55 | 4.34 | 5.26 | 6.31 | 6.90 | 7.50 | 8.10 | 8.83 | 10.31 | 11.76 | 13.50 | 15.52 | 17.78 | 0.04 | 0.26 | 0.37 | 0.45 | |
| | | 200 | 4.56 | 5.60 | 6.79 | 8.17 | 8.95 | 9.73 | 10.51 | 11.47 | 13.39 | 15.30 | 17.57 | 20.18 | 23.15 | 0.06 | 0.39 | 0.55 | 0.67 | |
| | | 250 | 5.53 | 6.82 | 8.28 | 9.98 | 10.94 | 11.90 | 12.85 | 14.05 | 16.40 | 18.74 | 21.53 | 24.73 | 28.36 | 0.07 | 0.45 | 0.64 | 0.78 | |
| | | 300 | 6.48 | 8.00 | 9.73 | 11.75 | 12.89 | 14.02 | 15.16 | 16.56 | 19.34 | 22.10 | 25.38 | 29.17 | 33.43 | 0.08 | 0.51 | 0.73 | 0.90 | |
| | | 350 | 7.40 | 9.16 | 11.16 | 13.48 | 14.78 | 16.09 | 17.40 | 19.01 | 22.22 | 25.39 | 29.16 | 33.50 | 38.38 | 0.09 | 0.58 | 0.82 | 1.01 | |
| | 5 | 400 | 8.30 | 10.28 | 12.54 | 15.17 | 16.64 | 18.12 | 19.60 | 21.42 | 25.04 | 28.62 | 32.86 | 37.73 | 43.20 | 0.10 | 0.64 | 0.91 | 1.12 | |
| | | 450 | 9.18 | 11.39 | 13.91 | 16.82 | 18.48 | 20.12 | 21.76 | 23.78 | 27.80 | 31.78 | 36.48 | 41.87 | 47.90 | 0.11 | 0.71 | 1.00 | 1.23 | |
| | | 500 | 10.03 | 12.47 | 15.25 | 18.46 | 20.27 | 22.08 | 23.88 | 26.11 | 30.53 | 34.87 | 40.01 | 45.90 | 52.46 | 0.12 | 0.77 | 1.10 | 1.34 | |
| | | 550 | 10.87 | 13.54 | 16.56 | 20.06 | 22.04 | 24.01 | 25.97 | 28.39 | 33.19 | 37.91 | 43.48 | 49.84 | 56.90 | 0.13 | 0.84 | 1.19 | 1.45 | |
| | | 600 | 11.70 | 14.58 | 17.86 | 21.64 | 23.77 | 25.90 | 28.01 | 30.64 | 35.80 | 40.88 | 46.86 | 53.66 | 61.21 | 0.14 | 0.90 | 1.28 | 1.57 | |
| | | 650 | 12.52 | 15.60 | 19.13 | 23.18 | 25.49 | 27.77 | 30.02 | 32.83 | 38.36 | 43.79 | 50.16 | 57.38 | 65.38 | 0.15 | 0.96 | 1.37 | 1.68 | |
| | | 700 | 13.31 | 16.61 | 20.38 | 24.71 | 27.17 | 29.59 | 32.00 | 34.99 | 40.87 | 46.63 | 53.38 | 61.01 | 69.38 | 0.16 | 1.03 | 1.46 | 1.79 | |
| | | 750 | 14.09 | 17.60 | 21.60 | 26.21 | 28.81 | 31.39 | 33.95 | 37.12 | 43.33 | 49.42 | 56.51 | 64.51 | 73.25 | 0.17 | 1.09 | 1.55 | 1.90 | |
| | | | 800 | 14.86 | 18.58 | 22.81 | 27.68 | 30.43 | 33.16 | 35.86 | 39.19 | 45.74 | 52.13 | 59.56 | 67.90 | 76.96 | 0.18 | 1.16 | 1.64 | 2.01 |
| | | 10 | 850 | 15.61 | 19.54 | 24.01 | 29.14 | 32.03 | 34.90 | 37.73 | 41.23 | 48.11 | 54.78 | 62.52 | 71.16 | 80.50 | 0.19 | 1.22 | 1.73 | 2.13 |
| | 900 | | 16.36 | 20.48 | 25.18 | 30.56 | 33.60 | 36.60 | 39.58 | 43.24 | 50.40 | 57.36 | 65.39 | 74.30 | 83.87 | 0.20 | 1.29 | 1.83 | 2.24 | |
| | 950 | | 17.08 | 21.41 | 26.33 | 31.97 | 35.14 | 38.28 | 41.38 | 45.19 | 52.66 | 59.86 | 68.16 | 77.33 | 87.06 | 0.21 | 1.35 | 1.92 | 2.35 | |
| | 1000 | | 17.80 | 22.32 | 27.46 | 33.35 | 36.65 | 39.91 | 43.14 | 47.11 | 54.84 | 62.29 | 70.84 | 80.20 | 90.00 | 0.22 | 1.41 | 2.01 | 2.46 | |
| | 1050 | | 18.49 | 23.22 | 28.57 | 34.69 | 38.14 | 41.52 | 44.87 | 48.98 | 56.98 | 64.66 | 73.40 | 82.94 | 92.88 | 0.23 | 1.48 | 2.10 | 2.57 | |
| | | 1100 | 19.19 | 24.10 | 29.66 | 36.02 | 39.59 | 43.10 | 46.56 | 50.81 | 59.05 | 66.92 | 75.86 | 85.54 | 95.48 | 0.24 | 1.54 | 2.19 | 2.69 | |
| | | 1150 | 19.87 | 24.97 | 30.74 | 37.32 | 41.00 | 44.64 | 48.22 | 52.60 | 61.07 | 69.13 | 78.23 | 87.98 | 97.88 | 0.25 | 1.61 | 2.28 | 2.80 | |
| | | 1200 | 20.53 | 25.81 | 31.79 | 38.60 | 42.41 | 46.14 | 49.82 | 54.32 | 63.01 | 71.24 | 80.47 | 90.28 | 100.08 | 0.26 | 1.67 | 2.37 | 2.91 | |
| | 15 | 1250 | 21.18 | 26.65 | 32.83 | 39.85 | 43.76 | 47.62 | 51.40 | 56.02 | 64.90 | 73.27 | 82.61 | 92.41 | 102.04 | 0.27 | 1.74 | 2.46 | 3.02 | |
| | | 1300 | 21.83 | 27.47 | 33.84 | 41.06 | 45.10 | 49.06 | 52.93 | 57.66 | 66.72 | 75.23 | 84.62 | 94.37 | 103.78 | 0.28 | 1.80 | 2.56 | 3.13 | |
| | | 1350 | 22.45 | 28.27 | 34.84 | 42.26 | 46.40 | 50.45 | 54.42 | 59.24 | 68.47 | 77.08 | 86.51 | 96.17 | 105.26 | 0.29 | 1.86 | 2.65 | 3.25 | |
| | | 1400 | 23.06 | 29.06 | 35.81 | 43.43 | 47.66 | 51.82 | 55.86 | 60.79 | 70.16 | 78.84 | 88.27 | 97.79 | 106.51 | 0.30 | 1.93 | 2.74 | 3.36 | |
| | | 1450 | 23.68 | 29.83 | 36.76 | 44.57 | 48.90 | 53.14 | 57.26 | 62.28 | 71.77 | 80.51 | 89.90 | 99.23 | 107.51 | 0.31 | 1.99 | 2.83 | 3.47 | |
| | | 1500 | 24.26 | 30.59 | 37.68 | 45.68 | 50.10 | 54.42 | 58.62 | 63.71 | 73.31 | 82.08 | 91.40 | 100.49 | 0.32 | 2.06 | 2.92 | 3.58 | | |
| | | 1550 | 24.84 | 31.32 | 38.59 | 46.76 | 51.28 | 55.67 | 59.94 | 65.10 | 74.77 | 83.54 | 92.77 | 101.54 | 0.33 | 2.12 | 3.01 | 3.69 | | |
| | | 1600 | 25.40 | 32.05 | 39.48 | 47.81 | 52.40 | 56.87 | 61.20 | 66.42 | 76.16 | 84.92 | 94.00 | 102.41 | 0.34 | 2.19 | 3.10 | 3.80 | | |
| | 20 | 1650 | 25.96 | 32.75 | 40.34 | 48.84 | 53.51 | 58.03 | 62.42 | 67.69 | 77.47 | 86.18 | 95.06 | 103.08 | 0.35 | 2.25 | 3.19 | 3.92 | | |
| | | 1700 | 26.50 | 33.43 | 41.18 | 49.82 | 54.56 | 59.16 | 63.59 | 68.90 | 78.71 | 87.34 | 96.00 | 0.36 | 2.31 | 3.29 | 4.03 | | | |
| | | 1750 | 27.01 | 34.10 | 42.00 | 50.78 | 55.60 | 60.24 | 64.72 | 70.06 | 79.85 | 88.38 | 96.77 | 0.37 | 2.38 | 3.38 | 4.14 | | | |
| | | 1800 | 27.53 | 34.76 | 42.79 | 51.71 | 56.58 | 61.27 | 65.78 | 71.15 | 80.92 | 89.32 | 97.39 | 0.38 | 2.44 | 3.47 | 4.25 | | | |
| | | 1850 | 28.02 | 35.40 | 43.56 | 52.61 | 57.53 | 62.27 | 66.79 | 72.17 | 81.90 | 90.13 | 97.85 | 0.39 | 2.51 | 3.56 | 4.36 | | | |
| | | 1900 | 28.51 | 36.01 | 44.30 | 53.47 | 58.44 | 63.20 | 67.76 | 73.14 | 82.79 | 90.83 | 0.40 | 2.57 | 3.65 | 4.48 | | | | |
| | | 1950 | 28.98 | 36.61 | 45.02 | 54.30 | 59.32 | 64.10 | 68.68 | 74.04 | 83.58 | 91.40 | 0.41 | 2.64 | 3.74 | 4.59 | | | | |
| | | 2000 | 29.44 | 37.19 | 45.73 | 55.09 | 60.14 | 64.96 | 69.53 | 74.88 | 84.29 | 91.85 | 0.42 | 2.70 | 3.83 | 4.70 | | | | |
| | | 2050 | 29.88 | 37.75 | 46.39 | 55.86 | 60.94 | 65.76 | 70.32 | 75.65 | 84.90 | 92.17 | 0.43 | 2.77 | 3.92 | 4.81 | | | | |
| 25 | | 2100 | 30.30 | 38.29 | 47.04 | 56.58 | 61.68 | 66.52 | 71.06 | 76.34 | 85.43 | 92.38 | 0.44 | 2.83 | 4.02 | 4.92 | | | | |
| | 2150 | 30.72 | 38.81 | 47.66 | 57.26 | 62.39 | 67.21 | 71.75 | 76.97 | 85.85 | 0.45 | 2.89 | 4.11 | 5.04 | | | | | | |
| | 2200 | 31.12 | 39.31 | 48.25 | 57.92 | 63.05 | 67.87 | 72.37 | 77.53 | 86.16 | 0.46 | 2.96 | 4.20 | 5.15 | | | | | | |
| | 2250 | 31.50 | 39.79 | 48.82 | 58.54 | 63.66 | 68.47 | 72.94 | 78.01 | 86.38 | 0.47 | 3.02 | 4.29 | 5.26 | | | | | | |
| | 2300 | 31.86 | 40.26 | 49.36 | 59.11 | 64.24 | 69.02 | 73.44 | 78.43 | 86.50 | 0.48 | 3.09 | 4.38 | 5.37 | | | | | | |
| | 2350 | 32.21 | 40.70 | 49.87 | 59.65 | 64.76 | 69.52 | 73.87 | 78.76 | 0.49 | 3.15 | 4.47 | 5.48 | | | | | | | |
| | 2400 | 32.54 | 41.12 | 50.35 | 60.14 | 65.24 | 69.95 | 74.24 | 79.02 | 0.50 | 3.22 | 4.56 | 5.60 | | | | | | | |
| | 2450 | 32.87 | 41.52 | 50.80 | 60.61 | 65.68 | 70.33 | 74.56 | 79.20 | 0.51 | 3.28 | 4.66 | 5.71 | | | | | | | |
| | 2500 | 33.17 | 41.89 | 51.23 | 61.02 | 66.06 | 70.66 | 74.80 | 79.30 | 0.52 | 3.34 | 4.75 | 5.82 | | | | | | | |
| 30 | 2550 | 33.46 | 42.25 | 51.61 | 61.40 | 66.40 | 70.93 | 74.98 | 79.32 | 0.53 | 3.41 | 4.84 | 5.93 | | | | | | | |
| | 2600 | 33.73 | 42.59 | 51.98 | 61.74 | 66.68 | 71.14 | 75.08 | 79.26 | 0.54 | 3.47 | 4.93 | 6.04 | | | | | | | |
| | 2650 | 33.98 | 42.90 | 52.31 | 62.03 | 66.91 | 71.29 | 75.12 | 0.55 | 3.54 | 5.02 | 6.16 | | | | | | | | |
| | 2700 | 34.22 | 43.19 | 52.62 | 62.28 | 67.10 | 71.38 | 75.08 | 0.56 | 3.60 | 5.11 | 6.27 | | | | | | | | |
| | 2750 | 34.44 | 43.45 | 52.88 | 62.48 | 67.24 | 71.40 | 74.98 | 0.57 | 3.67 | 5.20 | 6.38 | | | | | | | | |
| | 2800 | 34.64 | 43.69 | 53.12 | 62.64 | 67.31 | 71.36 | 74.80 | 0.58 | 3.73 | 5.29 | 6.49 | | | | | | | | |
| | 2850 | 34.84 | 43.91 | 53.33 | 62.76 | 67.33 | 71.27 | 0.59 | 3.79 | 5.39 | 6.60 | | | | | | | | | |
| | 2900 | 35.00 | 44.10 | 53.51 | 62.83 | 67.30 | 71.11 | 0.60 | 3.86 | 5.48 | 6.71 | | | | | | | | | |
| | 2950 | 35.15 | 44.28 | 53.64 | 62.86 | 67.21 | 70.88 | 0.61 | 3.92 | 5.57 | 6.83 | | | | | | | | | |
| 35 | 3000 | 35.28 | 44.42 | 53.75 | 62.83 | 67.07 | 0.62 | 3.99 | 5.66 | 6.94 | | | | | | | | | | |
| | 3050 | 35.40 | 44.54 | 53.82 | 62.76 | 66.88 | 0.63 | 4.05 | 5.75 | 7.05 | | | | | | | | | | |
| | 3100 | 35.50 | 44.64 | 53.86 | 62.64 | 66.61 | 0.64 | 4.12 | 5.84 | 7.16 | | | | | | | | | | |
| | 3150 | 35.57 | 44.70 | 53.86 | 62.46 | 0.65 | 4.18 | 5.93 | 7.27 | | | | | | | | | | | |
| | 3200 | 35.63 | 44.75 | 53.82 | 62.24 | 0.66 | 4.24 | 6.02 | 7.39 | | | | | | | | | | | |
| | 3250 | 35.66 | 44.77 | 53.75 | 61.97 | 0.67 | 4.31 | 6.12 | 7.50 | | | | | | | | | | | |
| | 3300 | 35.68 | 44.76 | 53.64 | 61.66 | 0.68 | 4.37 | 6.21 | 7.61 | | | | | | | | | | | |
| | 3350 | 35.68 | 44.72 | 53.50 | 0.69 | 4.44 | 6.30 | 7.72 | | | | | | | | | | | | |
| | 3400 | 35.65 | 44.65 | 53.32 | 0.70 | 4.50 | 6.39 | 7.83 | | | | | | | | | | | | |
| | 3450 | 35.62 | 44.57 | 53.10 | | | | | | | | | | | | | | | | |
| 3500 | 35.56 | 44.45 | 52.84 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

v_{max} ≤ 55 m/s

v > 42 m/s.
Please consult our
Application Engineering
Department.

POWER RATINGS

optibelt **RED POWER 3** PROFILE 8V/25N, 8V/25J

NOMINAL POWER RATING P_N [kW]

FOR $\beta = 180^\circ$ AND 8V 2500/6350 mm L_d



Table 36

| Pulleys | v [m/s] | n_k [min ⁻¹] | Outside diameter of small pulley d_{ak} [mm] | | | | | | | | | | | | Additional power [kW] per belt for speed ratio i | | | | |
|---------------------|---------|-------------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---|--------------------|--------------------|--------------------|--------|
| | | | 335 | 355 | 375 | 425 | 450 | 475 | 500 | 530 | 560 | 600 | 630 | 710 | 800 | 1.01 to 1.05 | 1.06 to 1.26 | 1.27 to 1.57 | > 1.57 |
| Statically balanced | 5 | 700 | 33.85 | 37.57 | 41.26 | 50.27 | 54.67 | 59.00 | 63.26 | 68.28 | 73.18 | 79.54 | 84.17 | 95.89 | 107.94 | 0.28 | 1.83 | 2.60 | 3.18 |
| | | 950 | 42.72 | 47.41 | 52.01 | 63.12 | 68.45 | 73.63 | 78.65 | 84.44 | 89.99 | 96.97 | 101.89 | 113.58 | 124.01 | 0.38 | 2.48 | 3.52 | 4.32 |
| | | 1450 | 55.34 | 61.15 | 66.68 | 79.30 | 84.90 | 90.01 | 94.58 | 99.36 | 103.31 | 107.21 | 109.06 | | | 0.59 | 3.79 | 5.38 | 6.60 |
| | | 50 | 3.36 | 3.70 | 4.03 | 4.85 | 5.27 | 5.68 | 6.08 | 6.56 | 7.06 | 7.70 | 8.18 | 9.46 | 10.88 | 0.02 | 0.13 | 0.19 | 0.23 |
| | | 100 | 6.28 | 6.91 | 7.55 | 9.12 | 9.91 | 10.69 | 11.47 | 12.41 | 13.33 | 14.57 | 15.49 | 17.94 | 20.66 | 0.04 | 0.26 | 0.37 | 0.45 |
| | | 150 | 9.00 | 9.94 | 10.86 | 13.18 | 14.32 | 15.46 | 16.60 | 17.95 | 19.31 | 21.11 | 22.45 | 26.00 | 29.95 | 0.06 | 0.39 | 0.56 | 0.68 |
| | | 200 | 11.62 | 12.83 | 14.04 | 17.06 | 18.55 | 20.04 | 21.53 | 23.30 | 25.07 | 27.40 | 29.15 | 33.76 | 38.88 | 0.08 | 0.52 | 0.74 | 0.91 |
| | | 250 | 14.14 | 15.64 | 17.12 | 20.82 | 22.66 | 24.48 | 26.30 | 28.48 | 30.64 | 33.49 | 35.62 | 41.24 | 47.47 | 0.10 | 0.65 | 0.93 | 1.14 |
| | | 300 | 16.57 | 18.35 | 20.11 | 24.48 | 26.64 | 28.80 | 30.94 | 33.49 | 36.02 | 39.38 | 41.88 | 48.47 | 55.73 | 0.12 | 0.78 | 1.11 | 1.36 |
| | | 350 | 18.95 | 20.99 | 23.00 | 28.03 | 30.52 | 32.99 | 35.44 | 38.36 | 41.27 | 45.10 | 47.95 | 55.43 | 63.65 | 0.14 | 0.91 | 1.30 | 1.59 |
| | | 400 | 21.25 | 23.56 | 25.84 | 31.49 | 34.28 | 37.06 | 39.82 | 43.09 | 46.34 | 50.63 | 53.81 | 62.12 | 71.22 | 0.16 | 1.05 | 1.48 | 1.82 |
| | | 450 | 23.50 | 26.05 | 28.58 | 34.85 | 37.94 | 41.02 | 44.06 | 47.68 | 51.25 | 55.97 | 59.45 | 68.54 | 78.42 | 0.18 | 1.18 | 1.67 | 2.05 |
| | | 500 | 25.68 | 28.49 | 31.26 | 38.12 | 41.51 | 44.86 | 48.17 | 52.12 | 55.99 | 61.10 | 64.87 | 74.68 | 85.22 | 0.20 | 1.31 | 1.86 | 2.27 |
| | | 550 | 27.82 | 30.85 | 33.88 | 41.30 | 44.96 | 48.58 | 52.15 | 56.39 | 60.58 | 66.05 | 70.07 | 80.48 | 91.61 | 0.22 | 1.44 | 2.04 | 2.50 |
| | | 600 | 29.88 | 33.16 | 36.41 | 44.39 | 48.31 | 52.18 | 56.00 | 60.52 | 64.97 | 70.76 | 75.02 | 85.98 | 97.54 | 0.24 | 1.57 | 2.23 | 2.73 |
| | | 650 | 31.90 | 35.40 | 38.87 | 47.38 | 51.55 | 55.66 | 59.71 | 64.49 | 69.17 | 75.28 | 79.73 | 91.12 | 103.00 | 0.26 | 1.70 | 2.41 | 2.96 |
| | | 700 | 33.85 | 37.57 | 41.26 | 50.27 | 54.67 | 59.00 | 63.26 | 68.28 | 73.18 | 79.54 | 84.17 | 95.89 | 107.94 | 0.28 | 1.83 | 2.60 | 3.18 |
| | | 750 | 35.75 | 39.68 | 43.56 | 53.05 | 57.67 | 62.22 | 66.67 | 71.89 | 76.99 | 83.57 | 88.33 | 100.28 | 112.34 | 0.30 | 1.96 | 2.78 | 3.41 |
| | | 800 | 37.58 | 41.72 | 45.79 | 55.74 | 60.56 | 65.29 | 69.91 | 75.32 | 80.58 | 87.34 | 92.20 | 104.27 | 116.20 | 0.32 | 2.09 | 2.97 | 3.64 |
| | | 850 | 39.36 | 43.69 | 47.95 | 58.31 | 63.32 | 68.22 | 73.00 | 78.56 | 83.95 | 90.83 | 95.75 | 107.83 | 119.44 | 0.34 | 2.22 | 3.15 | 3.87 |
| | | 900 | 41.08 | 45.59 | 50.03 | 60.77 | 65.95 | 71.00 | 75.91 | 81.61 | 87.10 | 94.04 | 98.99 | 110.94 | 122.05 | 0.36 | 2.35 | 3.34 | 4.09 |
| | | 950 | 42.72 | 47.41 | 52.01 | 63.12 | 68.45 | 73.63 | 78.65 | 84.44 | 89.99 | 96.97 | 101.89 | 113.58 | 124.01 | 0.38 | 2.48 | 3.52 | 4.32 |
| | | 1000 | 44.30 | 49.16 | 53.92 | 65.35 | 70.81 | 76.09 | 81.19 | 87.06 | 92.63 | 99.59 | 104.45 | 115.72 | 125.27 | 0.40 | 2.61 | 3.71 | 4.55 |
| | | 1050 | 45.83 | 50.83 | 55.73 | 67.45 | 73.02 | 78.38 | 83.54 | 89.45 | 95.02 | 101.89 | 106.63 | 117.35 | 125.80 | 0.42 | 2.74 | 3.90 | 4.78 |
| | | 1100 | 47.28 | 52.43 | 57.44 | 69.42 | 75.08 | 80.52 | 85.70 | 91.60 | 97.12 | 103.86 | 108.43 | 118.44 | 125.57 | 0.44 | 2.88 | 4.08 | 5.00 |
| | | 1150 | 48.66 | 53.94 | 59.08 | 71.27 | 76.99 | 82.46 | 87.65 | 93.52 | 98.94 | 105.48 | 109.84 | 118.97 | | 0.46 | 3.01 | 4.27 | 5.23 |
| | | 1200 | 49.97 | 55.37 | 60.60 | 72.97 | 78.74 | 84.22 | 89.39 | 95.17 | 100.46 | 106.74 | 110.83 | 118.92 | | 0.49 | 3.14 | 4.45 | 5.46 |
| | | 1250 | 51.19 | 56.70 | 62.03 | 74.54 | 80.33 | 85.79 | 90.90 | 96.56 | 101.69 | 107.64 | 111.40 | 118.26 | | 0.51 | 3.27 | 4.64 | 5.69 |
| | | 1300 | 52.36 | 57.96 | 63.36 | 75.96 | 81.74 | 87.16 | 92.18 | 97.69 | 102.60 | 108.14 | 111.52 | | | 0.53 | 3.40 | 4.82 | 5.91 |
| | | 1350 | 53.44 | 59.11 | 64.58 | 77.23 | 82.98 | 88.32 | 93.24 | 98.54 | 103.18 | 108.24 | 111.17 | | | 0.55 | 3.53 | 5.01 | 6.14 |
| | | 1400 | 54.43 | 60.18 | 65.69 | 78.35 | 84.04 | 89.27 | 94.03 | 99.10 | 103.42 | | | | | 0.57 | 3.66 | 5.19 | 6.37 |
| | | 1450 | 55.34 | 61.15 | 66.68 | 79.30 | 84.90 | 90.01 | 94.58 | 99.36 | 103.31 | | | | | 0.59 | 3.79 | 5.38 | 6.60 |
| | | 1500 | 56.18 | 62.02 | 67.57 | 80.09 | 85.58 | 90.52 | 94.88 | 99.31 | 102.84 | | | | | 0.61 | 3.92 | 5.57 | 6.82 |
| | | 1550 | 56.93 | 62.78 | 68.34 | 80.71 | 86.06 | 90.79 | 94.91 | | | | | | | 0.63 | 4.05 | 5.75 | 7.05 |
| | | 1600 | 57.58 | 63.46 | 68.98 | 81.17 | 86.34 | 90.84 | 94.64 | | | | | | | 0.65 | 4.18 | 5.94 | 7.28 |
| | | 1650 | 58.15 | 64.01 | 69.49 | 81.44 | 86.40 | 90.64 | 94.12 | | | | | | | 0.67 | 4.31 | 6.12 | 7.51 |
| | | 1700 | 58.62 | 64.46 | 69.89 | 81.54 | 86.26 | 90.18 | 93.29 | | | | | | | 0.69 | 4.44 | 6.31 | 7.73 |
| | | 1750 | 58.99 | 64.80 | 70.15 | 81.43 | 85.88 | 89.47 | 92.16 | | | | | | | 0.71 | 4.57 | 6.49 | 7.96 |
| | | 1800 | 59.28 | 65.02 | 70.27 | 81.14 | 85.28 | | | | | | | | | 0.73 | 4.70 | 6.68 | 8.19 |
| | | 1850 | 59.45 | 65.12 | 70.26 | 80.66 | 84.46 | | | | | | | | | 0.75 | 4.84 | 6.86 | 8.42 |
| 1900 | 59.53 | 65.10 | 70.10 | 79.98 | 83.39 | | | | | | | | | 0.77 | 4.97 | 7.05 | 8.64 | | |
| 1950 | 59.51 | 64.96 | 69.82 | 79.08 | 82.08 | | | | | | | | | 0.79 | 5.10 | 7.23 | 8.87 | | |
| 2000 | 59.36 | 64.69 | 69.37 | 77.98 | 80.52 | | | | | | | | | 0.81 | 5.23 | 7.42 | 9.10 | | |
| 2050 | 59.12 | 64.30 | 68.77 | | | | | | | | | | | 0.83 | 5.36 | 7.61 | 9.33 | | |
| 2100 | 58.78 | 63.77 | 68.03 | | | | | | | | | | | 0.85 | 5.49 | 7.79 | 9.55 | | |
| 2150 | 58.31 | 63.11 | 67.12 | | | | | | | | | | | 0.87 | 5.62 | 7.98 | 9.78 | | |
| 2200 | 57.72 | 62.32 | 66.05 | | | | | | | | | | | 0.89 | 5.75 | 8.16 | 10.01 | | |
| 2250 | 57.01 | 61.38 | 64.82 | | | | | | | | | | | 0.91 | 5.88 | 8.35 | 10.23 | | |

$v_{max} \leq 55$ m/s

$v > 42$ m/s.
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Department.

40

Dynamically balanced (for details see ARPM/MPTA)

v [m/s]

Pulleys