

(R) POWER RATING, KW PER BELT, WITH 180° ARC OF CONTACT ON SMALLER PULLEY

Table - 5

| Vee Belt Section | RPM of Faster Shaft | | | | | | | | | | | ADDITIONAL POWER (KW) PER BELT FOR SPEED RATIO | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|--|--------------|--------------|--------------|--------------|--------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 1.02 to 1.04 | 1.05 to 1.08 | 1.09 to 1.02 | 1.13 to 1.08 | 1.19 to 1.24 | 1.25 to 1.34 | 1.35 to 1.51 | 1.52 to 1.99 | 2.00 and over | 1.02 to 1.04 | 1.05 to 1.08 | 1.09 to 1.02 | 1.13 to 1.08 | 1.19 to 1.24 | 1.25 to 1.34 | 1.35 to 1.51 | 1.52 to 1.99 | 2.00 and over | | | | | | | | | | | | | | | | |
| A | Small Pulley Pitch Dia., mm | 75 | 80 | 85 | 90 | 100 | 106 | 112 | 118 | 125 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 720 | 0.53 | 0.60 | 0.68 | 0.75 | 0.90 | 0.99 | 1.07 | 1.16 | 1.26 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | | | | | | | | | | | | | | | | |
| | 960 | 0.66 | 0.76 | 0.86 | 0.95 | 1.14 | 1.25 | 1.37 | 1.49 | 1.61 | 0.01 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.09 | 0.10 | 0.12 | | | | | | | | | | | | | | | | |
| | 1440 | 0.91 | 1.04 | 1.17 | 1.31 | 1.58 | 1.73 | 1.90 | 2.07 | 2.24 | 0.02 | 0.04 | 0.08 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.17 | | | | | | | | | | | | | | | | |
| | 2880 | 1.42 | 1.67 | 1.91 | 2.14 | 2.59 | 2.76 | 3.11 | 3.36 | 3.63 | 0.04 | 0.08 | 0.02 | 0.16 | 0.20 | 0.23 | 0.27 | 0.31 | 0.35 | | | | | | | | | | | | | | | | |
| B | Small Pulley Pitch Dia., mm | 125 | 132 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 720 | 1.61 | 1.79 | 1.99 | 2.24 | 2.48 | 2.73 | 2.97 | 3.21 | 3.45 | 0.03 | 0.05 | 0.08 | 0.10 | 0.13 | 0.15 | 0.18 | 0.20 | 0.23 | | | | | | | | | | | | | | | | |
| | 960 | 2.02 | 2.24 | 2.50 | 2.82 | 3.13 | 3.44 | 3.75 | 4.05 | 4.35 | 0.03 | 0.07 | 0.10 | 0.14 | 0.17 | 0.20 | 0.24 | 0.27 | 0.30 | | | | | | | | | | | | | | | | |
| | 1440 | 2.72 | 3.03 | 3.39 | 3.83 | 4.26 | 4.68 | 5.09 | 5.50 | 5.90 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.36 | 0.41 | 0.46 | | | | | | | | | | | | | | | | |
| | C | Small Pulley Pitch Dia., mm | 200 | 212 | 224 | 236 | 250 | 265 | 280 | 315 | 355 | 400 | | | | | | | | | | | | | | | | | | | | | | | |
| 720 | | 4.65 | 5.18 | 5.70 | 6.22 | 6.81 | 7.44 | 8.06 | 9.49 | 11.05 | 12.75 | 0.07 | 0.14 | 0.21 | 0.28 | 0.38 | 0.42 | 0.49 | 0.56 | 0.63 | | | | | | | | | | | | | | | |
| 960 | | 5.76 | 6.42 | 7.08 | 7.72 | 8.46 | 9.24 | 10.00 | 11.72 | 13.58 | 15.51 | 0.09 | 0.19 | 0.28 | 0.38 | 0.47 | 0.56 | 0.66 | 0.75 | 0.85 | | | | | | | | | | | | | | | |
| 1440 | | 7.49 | 8.36 | 9.21 | 10.03 | 10.95 | 11.91 | 12.82 | 14.76 | 16.67 | 0.14 | 0.28 | 0.42 | 0.56 | 0.71 | 0.85 | 0.99 | 1.13 | 1.27 | | | | | | | | | | | | | | | | |
| D | | Small Pulley Pitch Dia., mm | 355 | 375 | 400 | 425 | 450 | 475 | 500 | 530 | 660 | 600 | | | | | | | | | | | | | | | | | | | | | | | |
| | 400 | 10.57 | 11.61 | 12.91 | 14.19 | 15.45 | 16.70 | 17.94 | 19.40 | 20.85 | 22.74 | 0.14 | 0.28 | 0.42 | 0.56 | 0.70 | 0.83 | 0.97 | 1.11 | 1.25 | | | | | | | | | | | | | | | |
| | 720 | 16.26 | 17.90 | 19.90 | 21.85 | 23.75 | 23.59 | 27.38 | 29.44 | 31.42 | 33.91 | 0.25 | 0.50 | 0.75 | 1.00 | 1.25 | 1.50 | 1.75 | 2.00 | 2.25 | | | | | | | | | | | | | | | |
| | 960 | 19.26 | 21.16 | 23.45 | 25.63 | 27.70 | 29.65 | 31.47 | 33.50 | 35.32 | 0.33 | 0.67 | 1.00 | 1.34 | 1.67 | 2.00 | 2.33 | 2.67 | 3.00 | | | | | | | | | | | | | | | | |
| | 1440 | 21.22 | 23.03 | | | | | | | | | | | | | | | | | | | 0.50 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | | | | | |
| E | Small Pulley Pitch Dia., mm | 500 | 530 | 560 | 600 | 630 | 650 | 710 | 750 | 800 | 900 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 250 | 14.40 | 13.70 | 17.50 | 19.50 | 20.80 | 22.60 | 24.30 | 26.70 | 29.10 | 32.90 | 0.19 | 0.37 | 0.56 | 0.76 | 0.96 | 1.14 | 1.33 | 1.52 | 1.70 | | | | | | | | | | | | | | | |
| | 400 | 20.70 | 22.40 | 25.10 | 27.90 | 29.70 | 31.50 | 34.90 | 38.30 | 41.40 | 46.60 | 0.31 | 0.61 | 0.91 | 1.21 | 1.52 | 1.83 | 2.12 | 2.43 | 2.73 | | | | | | | | | | | | | | | |
| | 585 | 26.60 | 28.20 | 32.10 | 35.60 | 37.70 | 40.10 | 43.70 | 47.40 | 50.80 | 56.00 | 0.44 | 0.89 | 1.33 | 1.77 | 2.21 | 3.07 | 3.11 | 3.54 | 3.98 | | | | | | | | | | | | | | | |
| | 720 | 38.80 | 32.00 | 35.30 | 39.00 | 41.10 | 44.20 | 47.20 | 50.10 | | | | | | | | | | | | | | | | | | | 0.55 | 1.09 | 1.64 | 2.19 | 2.73 | 3.28 | 3.85 | 4.37 |
| 960 | 31.10 | 33.50 | 36.50 | | | | | | | | | | | | | | | | | | | 0.73 | 1.46 | 2.18 | 2.91 | 3.64 | 4.37 | 5.08 | 5.82 | 6.54 | | | | | |
| Wedge / Narrow Belt Section | RPM of Faster Shaft | | | | | | | | | | | ADDITIONAL POWER (KW) PER BELT FOR SPEED RATIO | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.02 to 1.05 | 1.06 to 1.11 | 1.12 to 1.18 | 1.19 to 1.25 | 1.27 to 1.38 | 1.39 to 1.57 | 1.58 to 1.94 | 1.95 to 3.88 | 3.39 and over | 1.02 to 1.05 | 1.06 to 1.11 | 1.12 to 1.18 | 1.19 to 1.25 | 1.27 to 1.38 | 1.39 to 1.57 | 1.58 to 1.94 | 1.95 to 3.88 | 3.39 and over | | | | | | | | | | | | | | | | | |
| SPZ - 3V | Small Pulley Pitch Dia., mm | 63 | 67 | 71 | 75 | 80 | 85 | 90 | 95 | 100 | 106 | 112 | 118 | 125 | 132 | 140 | | | | | | | | | | | | | | | | | | | |
| | 720 | 0.52 | 0.61 | 0.70 | 0.79 | 0.90 | 1.01 | 1.12 | 1.23 | 1.34 | 1.47 | 1.60 | 1.73 | 1.88 | 2.03 | 2.20 | 0.01 | 0.03 | 0.05 | 0.06 | 0.08 | 0.09 | 0.10 | 0.11 | 0.12 | | | | | | | | | | |
| | 960 | 0.65 | 0.77 | 0.88 | 1.00 | 1.15 | 1.29 | 1.44 | 1.58 | 1.72 | 1.89 | 2.06 | 2.23 | 2.42 | 2.62 | 2.84 | 0.01 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.15 | | | | | | | | | | |
| | 1440 | 0.88 | 1.05 | 1.22 | 1.39 | 1.60 | 1.81 | 2.01 | 2.22 | 2.42 | 2.67 | 2.91 | 3.15 | 3.43 | 3.71 | 4.02 | 0.02 | 0.05 | 0.09 | 0.13 | 0.15 | 0.18 | 0.20 | 0.22 | 0.23 | | | | | | | | | | |
| | 2880 | 1.42 | 1.73 | 2.04 | 2.35 | 2.73 | 3.11 | 3.49 | 3.86 | 4.22 | 4.65 | 5.08 | 5.49 | 5.97 | 6.44 | 6.97 | 0.04 | 0.11 | 0.18 | 0.25 | 0.30 | 0.36 | 0.40 | 0.44 | 0.45 | | | | | | | | | | |
| SPA | Small Pulley Pitch Dia., mm | 90 | 100 | 106 | 112 | 118 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | | | | | | | | | | | | | | | | | | | | | | |
| | 720 | 1.14 | 1.53 | 1.76 | 1.99 | 2.22 | 2.48 | 2.75 | 3.05 | 3.42 | 3.79 | 4.52 | 5.24 | | | | | | | | | | | 0.02 | 0.07 | 0.12 | 0.16 | 0.20 | 0.23 | 0.26 | 0.28 | 0.30 | | | |
| | 960 | 1.41 | 1.92 | 2.22 | 2.51 | 2.81 | 3.15 | 3.50 | 3.88 | 4.36 | 4.84 | 5.79 | 6.72 | | | | | | | | | | | 0.03 | 0.09 | 0.16 | 0.21 | 0.26 | 0.30 | 0.34 | 0.37 | 0.40 | | | |
| | 1440 | 1.88 | 2.61 | 3.04 | 3.46 | 3.89 | 4.38 | 4.87 | 5.42 | 6.10 | 6.78 | 8.10 | 9.40 | | | | | | | | | | | 0.05 | 0.14 | 0.24 | 0.32 | 0.39 | 0.46 | 0.51 | 0.56 | 0.59 | | | |
| | 2880 | 2.83 | 4.12 | 4.88 | 5.64 | 6.37 | 7.22 | 8.05 | 8.97 | 10.10 | 11.19 | 13.24 | | | | | | | | | | | 0.10 | 0.27 | 0.47 | 0.64 | 0.78 | 0.91 | 0.03 | 0.12 | 1.19 | | | | |
| SPB - 5V | Small Pulley Pitch Dia., mm | 160 | 170 | 180 | 190 | 200 | 212 | 224 | 236 | 250 | 280 | 315 | | | | | | | | | | | | | | | | | | | | | | | |
| | 720 | 4.54 | 5.15 | 5.65 | 6.25 | 6.81 | 7.49 | 8.15 | 8.82 | 8.82 | 11.21 | 13.06 | | | | | | | | | | | 0.05 | 0.14 | 0.25 | 0.33 | 0.41 | 0.48 | 0.54 | 0.59 | 0.62 | | | | |
| | 960 | 5.73 | 6.47 | 7.21 | 7.94 | 8.66 | 9.52 | 10.38 | 11.23 | 11.23 | 14.26 | 16.60 | | | | | | | | | | | 0.07 | 0.19 | 0.32 | 0.44 | 0.54 | 0.62 | 0.70 | 0.77 | 0.81 | | | | |
| | 1440 | 7.85 | 8.89 | 9.93 | 10.95 | 11.95 | 13.15 | 14.32 | 15.48 | 15.48 | 19.55 | 22.57 | | | | | | | | | | | 0.10 | 0.28 | 0.48 | 0.66 | 0.79 | 0.94 | 1.06 | 1.15 | 1.21 | | | | |
| | SPC | Small Pulley Pitch Dia., mm | 224 | 236 | 250 | 280 | 300 | 315 | 355 | 375 | 400 | 425 | 450 | 500 | 560 | | | | | | | | | | | | | | | | | | | | |
| 720 | | 10.22 | 11.54 | 13.06 | 16.28 | 18.40 | 19.97 | 24.10 | 26.13 | 28.63 | 31.09 | 33.51 | 38.23 | 43.47 | | | | | | | | | | | 0.16 | 0.43 | 0.76 | 1.03 | 1.25 | 1.46 | 1.65 | 1.80 | 1.90 | | |
| 960 | | 12.68 | 14.36 | 16.30 | 20.38 | 23.05 | 25.02 | 30.16 | 32.66 | 35.71 | 38.69 | 41.58 | 47.12 | 53.29 | | | | | | | | | | | 0.21 | 0.58 | 1.01 | 1.37 | 1.67 | 1.95 | 2.20 | 2.40 | 2.54 | | |
| 1440 | | 16.59 | 18.88 | 21.50 | 26.94 | 30.43 | 32.36 | 39.37 | 42.38 | | | | | | | | | | | 0.31 | 0.87 | 1.51 | 2.06 | 2.50 | 2.93 | 3.30 | 3.50 | 3.81 | | | | | | | |
| 8V | | Small Pulley Pitch Dia., mm | 330 | 350 | 380 | 400 | 420 | 440 | 460 | 480 | 500 | 560 | 600 | | | | | | | | | | | | | | | | | | | | | | |
| | 725 | 24.52 | 27.32 | 31.46 | 34.17 | 36.84 | 39.48 | 42.08 | 44.64 | 47.16 | 54.46 | 59.11 | | | | | | | | | | | 0.25 | 0.69 | 1.20 | 1.64 | 1.99 | 2.33 | 2.62 | 2.85 | 3.02 | | | | |
| | 950 | 30.00 | 33.42 | 38.43 | 41.68 | 44.85 | 47.95 | 50.97 | 53.92 | 56.78 | 64.84 | 69.76 | | | | | | | | | | | 0.33 | 0.91 | 1.58 | 2.15 | 2.60 | 3.05 | 3.43 | 3.74 | 3.96 | | | | |
| | 1425 | 38.24 | 42.42 | 48.32 | 51.99 | 55.45 | 58.67 | 61.66 | | | | | | | | | | | 0.50 | 1.36 | 2.37 | 3.22 | 3.90 | 4.57 | 5.15 | 5.61 | 5.94 | | | | | | | | |