



DRIVE DESIGN
AND TECHNICAL MANUAL

DOUBLE SIDED V-BELTS

**DRIVE BELT
TECHNOLOGY .**

SECTION 1.1.3 | FRICTION V-BELTS | RUBBER BELTS

DIN 7722 - ISO 5289 / ASAE S 211.4 / IP 21 RMA-MPTA

DOUBLE SIDED V-BELTS AA, BB, CC

FEATURES

This belt is produced with a polyester tensile cord that features low stretch and high flexibility. The rubber base allows for easy transmission of power on the top and bottom of the belt, while supporting strong longitudinal forces.

Constant length M-S
Meets antistatic requirements from ISO 1813.
Moderate resistance to dust and against other external aggressions.

This belt was designed for alternative flexibility in the drive direction, while also offering rigidity. Best suitable for applications in the agricultural and industrial sectors.



STRUCTURE DETAILS

Tensile cord

Well centered into the section, this special polyester tensile cord features low stretch and high flexibility as required by such double section belt.

Rubber base

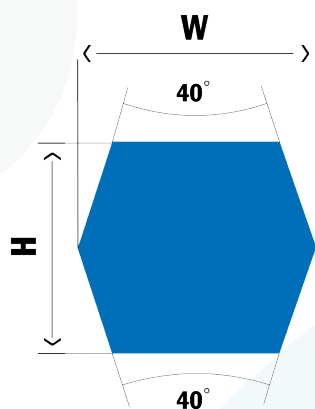
Fiber loaded compound designed to transmit power both on top and

bottom of the belt, supports strong longitudinal forces.

Wrapping cover

Resistant to abrasion, our heavy duty industrial wrapping cover will provide perfect grip.

Dimensions



| ISO 5289 | HAA | HBB | HCC |
|------------------------------|----------|----------|-----------|
| Other designation | AA | BB | CC |
| Section WxH (mm) | 13x10 | 17x13 | 22x17 |
| Datum Width (mm) | 11 | 14 | 19 |
| Belt Weight per meter (Kg/m) | 0.14 | 0.26 | 0.42 |
| Min. pulley diameter (mm) | 80 | 125 | 225 |
| Max flexing frequency (s-1) | 60 | 60 | 60 |
| Max belt speed (m/s) | 30 | 30 | 30 |
| Min. Length (mm) | 1651 | 1651 | 2100 |
| Max. Length (mm) | 11000 | 11000 | 11989 |
| Length Conversion (mm) | Li-La-63 | Li-La-82 | Li-La-107 |

Applications



Agriculture



Gardening/
Lawn mower

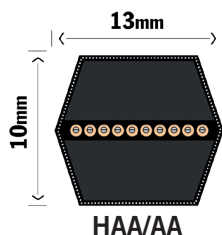
Marking



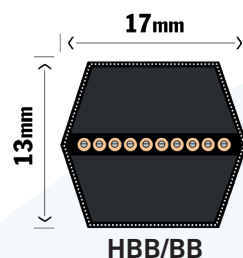
Product Codification

| Example | PP-AA105 means | P | AA | 105 |
|---------|----------------|------------------|----------------------|------------------|
| | | Performance line | Section AA / 13x10mm | 105 inches in Li |

1.1.3 DOUBLE SIDED V-BELTS



HAA/AA



HBB/BB

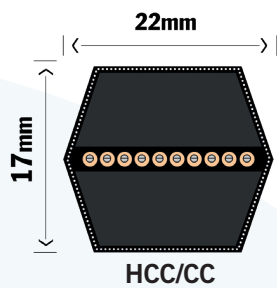
Standard Belt Range

| CMW Product code | CMW EAN code | Length Li (inch) | Length Li (mm) | Length Ld/Lw (mm) |
|------------------|---------------|------------------|----------------|-------------------|
| P-AA51 | 3666445129637 | 51 | 1295 | 1330 |
| P-AA55 | 3666445129620 | 55 | 1397 | 1435 |
| P-AA60 | 3666445129613 | 60 | 1524 | 1560 |
| P-AA64 | 3666445129606 | 64 | 1626 | 1660 |
| P-AA66 | 3666445129590 | 66 | 1676 | 1710 |
| P-AA68 | 3666445129583 | 68 | 1727 | 1765 |
| P-AA70 | 3666445129576 | 70 | 1778 | 1815 |
| P-AA75 | 3666445129569 | 75 | 1905 | 1940 |
| P-AA80 | 3666445129552 | 80 | 2032 | 2070 |
| P-AA85 | 3666445129545 | 85 | 2159 | 2195 |
| P-AA90 | 3666445129538 | 90 | 2286 | 2325 |
| P-AA92 | 3666445129521 | 92 | 2337 | 2375 |
| P-AA96 | 3666445129514 | 96 | 2438 | 2475 |
| P-AA105 | 3666445129507 | 105 | 2667 | 2705 |
| P-AA108 | 3666445129491 | 108 | 2743 | 2780 |
| P-AA112 | 3666445129484 | 112 | 2845 | 2880 |
| P-AA118 | 3666445129477 | 118 | 2997 | 3030 |
| P-AA120 | 3666445129460 | 120 | 3048 | 3085 |
| P-AA128 | 3666445129453 | 128 | 3251 | 3290 |
| P-AA148 | 3666445129446 | 148 | 3759 | 3795 |

Standard Belt Range

| CMW Product code | CMW EAN code | Length Li (inch) | Length Li (mm) | Length Ld/Lw (mm) |
|------------------|---------------|------------------|----------------|-------------------|
| P-BB42 | 3666445129439 | 42 | 1067 | 1120 |
| P-BB43 | 3666445129422 | 43 | 1092 | 1145 |
| P-BB45 | 3666445129415 | 45 | 1143 | 1195 |
| P-BB46 | 3666445129408 | 46 | 1168 | 1220 |
| P-BB51 | 3666445129392 | 51 | 1295 | 1345 |
| P-BB53 | 3666445129385 | 53 | 1346 | 1395 |
| P-BB55 | 3666445129378 | 55 | 1397 | 1450 |
| P-BB60 | 3666445129361 | 60 | 1524 | 1575 |
| P-BB68 | 3666445129354 | 68 | 1727 | 1780 |
| P-BB71 | 3666445129347 | 71 | 1803 | 1855 |
| P-BB73 | 3666445129330 | 73 | 1854 | 1905 |
| P-BB74 | 3666445129323 | 74 | 1880 | 1930 |
| P-BB75 | 3666445129316 | 75 | 1905 | 1955 |
| P-BB81 | 3666445129309 | 81 | 2057 | 2110 |
| P-BB85 | 3666445129293 | 85 | 2159 | 2210 |
| P-BB90 | 3666445129286 | 90 | 2286 | 2335 |
| P-BB92 | 3666445129279 | 92 | 2337 | 2390 |
| P-BB93 | 3666445129262 | 93 | 2362 | 2415 |
| P-BB94 | 3666445129255 | 94 | 2388 | 2440 |
| P-BB97 | 3666445129248 | 97 | 2464 | 2515 |
| P-BB105 | 3666445129231 | 105 | 2667 | 2720 |
| P-BB107 | 3666445129224 | 107 | 2718 | 2770 |
| P-BB108 | 3666445129217 | 108 | 2743 | 2795 |
| P-BB111 | 3666445129200 | 111 | 2819 | 2870 |
| P-BB112 | 3666445129194 | 112 | 2845 | 2895 |
| P-BB116 | 3666445129187 | 116 | 2946 | 3000 |
| P-BB118 | 3666445129170 | 118 | 2997 | 3050 |
| P-BB120 | 3666445129163 | 120 | 3048 | 3100 |
| P-BB122 | 3666445129156 | 122 | 3099 | 3150 |
| P-BB123 | 3666445129149 | 123 | 3124 | 3175 |
| P-BB124 | 3666445129132 | 124 | 3150 | 3200 |
| P-BB127 | 3666445129125 | 127 | 3226 | 3275 |
| P-BB128 | 3666445129118 | 128 | 3251 | 3300 |
| P-BB129 | 3666445129101 | 129 | 3277 | 3325 |
| P-BB130 | 3666445129095 | 130 | 3302 | 3350 |
| P-BB136 | 3666445129088 | 136 | 3454 | 3505 |
| P-BB144 | 3666445129071 | 144 | 3658 | 3710 |
| P-BB155 | 3666445129064 | 155 | 3937 | 3990 |
| P-BB158 | 3666445129057 | 158 | 4013 | 4065 |
| P-BB168 | 3666445129040 | 168 | 4267 | 4320 |
| P-BB169 | 3666445129033 | 169 | 4293 | 4345 |
| P-BB173 | 3666445129026 | 173 | 4394 | 4445 |
| P-BB180 | 3666445129019 | 180 | 4572 | 4625 |
| P-BB195 | 3666445129002 | 195 | 4953 | 5005 |
| P-BB210 | 3666445128999 | 210 | 5334 | 5385 |
| P-BB226 | 3666445128982 | 226 | 5740 | 5755 |
| P-BB228 | 3666445128975 | 228 | 5791 | 5805 |
| P-BB230 | 3666445128968 | 230 | 5842 | 5855 |
| P-BB240 | 3666445128951 | 240 | 6096 | 6110 |
| P-BB270 | 3666445128944 | 270 | 6858 | 6870 |
| P-BB277 | 3666445128937 | 277 | 7036 | 7050 |
| P-BB300 | 3666445128920 | 300 | 7620 | 7635 |

1.1.3 DOUBLE SIDED V-BELTS



Standard Belt Range

| CMW Product code | CMW EAN code | Length Li (inch) | Length Li (mm) | Length Ld/Lw (mm) |
|------------------|---------------|------------------|----------------|-------------------|
| P-CC75 | 3666445128913 | 75 | 1905 | 1980 |
| P-CC81 | 3666445128906 | 81 | 2057 | 2130 |
| P-CC85 | 3666445128890 | 85 | 2159 | 2230 |
| P-CC90 | 3666445128883 | 90 | 2286 | 2360 |
| P-CC96 | 3666445128876 | 96 | 2438 | 2510 |
| P-CC105 | 3666445128869 | 105 | 2667 | 2740 |
| P-CC112 | 3666445128852 | 112 | 2845 | 2920 |
| P-CC120 | 3666445128845 | 120 | 3048 | 3120 |
| P-CC128 | 3666445128838 | 128 | 3251 | 3325 |
| P-CC136 | 3666445128821 | 136 | 3454 | 3525 |
| P-CC144 | 3666445128814 | 144 | 3658 | 3730 |
| P-CC158 | 3666445128807 | 158 | 4013 | 4085 |
| P-CC162 | 3666445128791 | 162 | 4115 | 4190 |
| P-CC173 | 3666445128784 | 173 | 4394 | 4465 |
| P-CC180 | 3666445128777 | 180 | 4572 | 4645 |
| P-CC195 | 3666445128760 | 195 | 4953 | 5025 |
| P-CC210 | 3666445128753 | 210 | 5334 | 5405 |
| P-CC240 | 3666445128746 | 240 | 6096 | 6120 |
| P-CC250 | 3666445128739 | 250 | 6350 | 6350 |
| P-CC270 | 3666445128722 | 270 | 6858 | 6880 |
| P-CC300 | 3666445128715 | 300 | 7620 | 7640 |
| P-CC330 | 3666445128708 | 330 | 8382 | 8405 |
| P-CC360 | 3666445128692 | 360 | 9144 | 9165 |
| P-CC390 | 3666445128685 | 390 | 9906 | 9930 |
| P-CC420 | 3666445128678 | 420 | 10668 | 10690 |

POWER RATING

1.1.1 CLASSICAL WRAPPED V BELTS

Section A

| Faster shaft speed | Rated power per belt for small pulley datum diameter [mm] | | | | | | | | | | | Additional power per belt for speed ratio | | | |
|--------------------|---|------|------|------|------|------|------|------|------|------|------|---|-----------|-----------|-------|
| | 80 | 85 | 90 | 95 | 100 | 106 | 112 | 118 | 125 | 132 | 140 | 1.00-1.05 | 1.06-1.24 | 1.25-1.59 | >1.59 |
| r/min | kW | | | | | | | | | | | kW | | | |
| 100 | 0.21 | 0.23 | 0.25 | 0.27 | 0.29 | 0.32 | 0.35 | 0.37 | 0.40 | 0.44 | 0.47 | | 0.01 | 0.02 | 0.02 |
| 200 | 0.36 | 0.40 | 0.45 | 0.49 | 0.53 | 0.58 | 0.63 | 0.68 | 0.73 | 0.80 | 0.85 | | 0.02 | 0.04 | 0.05 |
| 300 | 0.51 | 0.57 | 0.63 | 0.69 | 0.75 | 0.82 | 0.89 | 0.96 | 1.05 | 1.12 | 1.21 | 0.01 | 0.03 | 0.05 | 0.08 |
| 400 | 0.64 | 0.72 | 0.80 | 0.87 | 0.95 | 1.05 | 1.13 | 1.22 | 1.33 | 1.44 | 1.56 | 0.01 | 0.04 | 0.08 | 0.10 |
| 500 | 0.76 | 0.86 | 0.96 | 1.05 | 1.14 | 1.25 | 1.37 | 1.48 | 1.61 | 1.73 | 1.89 | 0.01 | 0.05 | 0.10 | 0.12 |
| 600 | 0.88 | 0.99 | 1.11 | 1.22 | 1.33 | 1.46 | 1.59 | 1.72 | 1.87 | 2.03 | 2.20 | 0.01 | 0.07 | 0.12 | 0.15 |
| 700 | 0.99 | 1.12 | 1.25 | 1.38 | 1.50 | 1.66 | 1.81 | 1.96 | 2.14 | 2.30 | 2.50 | 0.02 | 0.08 | 0.14 | 0.17 |
| 720 | 1.01 | 1.14 | 1.28 | 1.41 | 1.54 | 1.70 | 1.85 | 2.01 | 2.18 | 2.35 | 2.56 | 0.02 | 0.09 | 0.14 | 0.17 |
| 800 | 1.10 | 1.24 | 1.40 | 1.54 | 1.68 | 1.85 | 2.02 | 2.19 | 2.38 | 2.57 | 2.79 | 0.02 | 0.09 | 0.16 | 0.20 |
| 900 | 1.20 | 1.36 | 1.53 | 1.68 | 1.84 | 2.03 | 2.22 | 2.41 | 2.63 | 2.83 | 3.07 | 0.02 | 0.10 | 0.17 | 0.22 |
| 960 | 1.26 | 1.43 | 1.60 | 1.78 | 1.94 | 2.14 | 2.33 | 2.54 | 2.76 | 2.99 | 3.25 | 0.02 | 0.11 | 0.20 | 0.24 |
| 1 000 | 1.30 | 1.48 | 1.66 | 1.83 | 2.01 | 2.21 | 2.42 | 2.62 | 2.86 | 3.08 | 3.36 | 0.02 | 0.11 | 0.20 | 0.25 |
| 1 100 | 1.40 | 1.59 | 1.78 | 1.97 | 2.16 | 2.39 | 2.61 | 2.82 | 3.08 | 3.34 | 3.62 | 0.03 | 0.12 | 0.22 | 0.27 |
| 1 200 | 1.48 | 1.69 | 1.90 | 2.10 | 2.31 | 2.55 | 2.79 | 3.03 | 3.30 | 3.58 | 3.88 | 0.03 | 0.14 | 0.24 | 0.29 |
| 1 300 | 1.57 | 1.80 | 2.02 | 2.23 | 2.45 | 2.71 | 2.96 | 3.23 | 3.52 | 3.80 | 4.14 | 0.03 | 0.15 | 0.26 | 0.32 |
| 1 400 | 1.66 | 1.90 | 2.13 | 2.37 | 2.59 | 2.87 | 3.14 | 3.41 | 3.73 | 4.03 | 4.38 | 0.03 | 0.16 | 0.28 | 0.35 |
| 1 440 | 1.69 | 1.93 | 2.17 | 2.41 | 2.65 | 2.93 | 3.22 | 3.49 | 3.80 | 4.12 | 4.48 | 0.03 | 0.16 | 0.28 | 0.36 |
| 1 500 | 1.73 | 1.99 | 2.23 | 2.49 | 2.74 | 3.02 | 3.31 | 3.60 | 3.92 | 4.25 | 4.62 | 0.03 | 0.17 | 0.29 | 0.37 |
| 1 600 | 1.82 | 2.08 | 2.34 | 2.61 | 2.87 | 3.17 | 3.48 | 3.77 | 4.12 | 4.46 | 4.85 | 0.04 | 0.19 | 0.32 | 0.39 |
| 1 700 | 1.90 | 2.17 | 2.45 | 2.73 | 3.00 | 3.31 | 3.63 | 3.95 | 4.31 | 4.67 | 5.07 | 0.04 | 0.20 | 0.34 | 0.43 |
| 1 800 | 1.96 | 2.26 | 2.55 | 2.83 | 3.12 | 3.46 | 3.78 | 4.12 | 4.49 | 4.86 | 5.29 | 0.04 | 0.21 | 0.36 | 0.45 |
| 1 900 | 2.04 | 2.34 | 2.64 | 2.94 | 3.24 | 3.59 | 3.93 | 4.27 | 4.68 | 5.06 | 5.49 | 0.04 | 0.22 | 0.38 | 0.47 |
| 2 000 | 2.10 | 2.42 | 2.74 | 3.05 | 3.36 | 3.72 | 4.08 | 4.44 | 4.84 | 5.24 | 5.69 | 0.05 | 0.23 | 0.40 | 0.49 |
| 2 100 | 2.17 | 2.50 | 2.82 | 3.15 | 3.47 | 3.85 | 4.22 | 4.59 | 5.00 | 5.42 | 5.88 | 0.05 | 0.24 | 0.41 | 0.52 |
| 2 200 | 2.22 | 2.57 | 2.91 | 3.25 | 3.58 | 3.97 | 4.35 | 4.73 | 5.17 | 5.59 | 6.06 | 0.05 | 0.25 | 0.44 | 0.55 |
| 2 300 | 2.29 | 2.64 | 3.00 | 3.34 | 3.68 | 4.09 | 4.48 | 4.87 | 5.32 | 5.76 | 6.23 | 0.05 | 0.26 | 0.46 | 0.57 |
| 2 400 | 2.34 | 2.71 | 3.07 | 3.43 | 3.78 | 4.20 | 4.60 | 5.00 | 5.46 | 5.91 | 6.40 | 0.05 | 0.27 | 0.48 | 0.59 |
| 2 500 | 2.40 | 2.78 | 3.15 | 3.51 | 3.88 | 4.31 | 4.72 | 5.13 | 5.60 | 6.05 | 6.56 | 0.07 | 0.28 | 0.50 | 0.62 |
| 2 600 | 2.44 | 2.83 | 3.22 | 3.60 | 3.97 | 4.40 | 4.84 | 5.25 | 5.73 | 6.19 | 6.70 | 0.07 | 0.29 | 0.52 | 0.64 |
| 2 700 | 2.50 | 2.90 | 3.29 | 3.67 | 4.05 | 4.50 | 4.94 | 5.37 | 5.85 | 6.32 | 6.85 | 0.07 | 0.31 | 0.53 | 0.66 |
| 2 800 | 2.54 | 2.95 | 3.36 | 3.75 | 4.14 | 4.60 | 5.05 | 5.48 | 5.97 | 6.45 | 6.98 | 0.07 | 0.32 | 0.56 | 0.69 |
| 2 880 | 2.57 | 3.00 | 3.40 | 3.80 | 4.21 | 4.67 | 5.12 | 5.56 | 6.06 | 6.54 | 7.07 | 0.08 | 0.33 | 0.58 | 0.71 |
| 2 900 | 2.58 | 3.01 | 3.42 | 3.83 | 4.22 | 4.69 | 5.14 | 5.58 | 6.08 | 6.56 | 7.10 | 0.08 | 0.33 | 0.58 | 0.72 |
| 3 000 | 2.63 | 3.05 | 3.48 | 3.89 | 4.29 | 4.77 | 5.23 | 5.68 | 6.18 | 6.67 | 7.20 | 0.08 | 0.34 | 0.60 | 0.74 |
| 3 100 | 2.66 | 3.11 | 3.53 | 3.96 | 4.37 | 4.85 | 5.32 | 5.77 | 6.28 | 6.77 | 7.30 | 0.08 | 0.35 | 0.62 | 0.76 |
| 3 200 | 2.69 | 3.15 | 3.59 | 4.01 | 4.44 | 4.92 | 5.40 | 5.85 | 6.37 | 6.86 | 7.39 | 0.08 | 0.36 | 0.64 | 0.78 |
| 3 300 | 2.73 | 3.18 | 3.63 | 4.07 | 4.49 | 4.99 | 5.47 | 5.93 | 6.45 | 6.94 | 7.48 | 0.09 | 0.37 | 0.65 | 0.82 |
| 3 400 | 2.76 | 3.23 | 3.67 | 4.12 | 4.56 | 5.06 | 5.54 | 6.01 | 6.52 | 7.01 | 7.54 | 0.09 | 0.39 | 0.68 | 0.84 |
| 3 500 | 2.78 | 3.26 | 3.72 | 4.16 | 4.60 | 5.11 | 5.60 | 6.06 | 6.58 | 7.07 | 7.61 | 0.09 | 0.40 | 0.70 | 0.86 |
| 3 600 | 2.81 | 3.29 | 3.76 | 4.21 | 4.65 | 5.17 | 5.66 | 6.13 | 6.64 | 7.13 | 7.65 | 0.09 | 0.41 | 0.72 | 0.89 |
| 3 700 | 2.83 | 3.31 | 3.79 | 4.25 | 4.70 | 5.21 | 5.70 | 6.17 | 6.69 | 7.17 | 7.68 | 0.09 | 0.43 | 0.74 | 0.92 |
| 3 800 | 2.84 | 3.34 | 3.82 | 4.28 | 4.73 | 5.25 | 5.74 | 6.21 | 6.73 | 7.20 | 7.72 | 0.10 | 0.44 | 0.76 | 0.94 |
| 3 900 | 2.87 | 3.36 | 3.85 | 4.32 | 4.76 | 5.29 | 5.78 | 6.25 | 6.76 | 7.24 | 7.73 | 0.10 | 0.45 | 0.77 | 0.96 |
| 4 000 | 2.88 | 3.38 | 3.87 | 4.34 | 4.80 | 5.32 | 5.81 | 6.28 | 6.78 | 7.25 | 7.73 | 0.10 | 0.46 | 0.80 | 0.99 |
| 4 100 | 2.88 | 3.39 | 3.89 | 4.36 | 4.82 | 5.34 | 5.83 | 6.29 | 6.79 | 7.25 | | 0.10 | 0.47 | 0.82 | 1.01 |
| 4 200 | 2.89 | 3.40 | 3.90 | 4.38 | 4.83 | 5.35 | 5.84 | 6.30 | 6.80 | | | 0.11 | 0.48 | 0.84 | 1.04 |
| 4 300 | 2.89 | 3.41 | 3.91 | 4.39 | 4.85 | 5.36 | 5.85 | 6.31 | | | | 0.11 | 0.49 | 0.86 | 1.06 |
| 4 400 | | 3.41 | 3.91 | 4.39 | 4.85 | 5.37 | 5.85 | | | | | 0.11 | 0.50 | 0.88 | 1.09 |
| 4 500 | | | 3.91 | 4.40 | 4.85 | | | | | | | 0.11 | 0.51 | 0.89 | 1.11 |

POWER RATING

1.1.1 CLASSICAL WRAPPED V BELTS

Section B

| Faster shaft speed r/min | Rated power per belt for small pulley datum diameter [mm] | | | | | | | | | Additional power per belt for speed ratio | | | |
|-----------------------------|---|------|------|------|------|-------|-------|-------|-------|---|-----------|-----------|-------|
| | 125 | 132 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 1.00-1.05 | 1.06-1.24 | 1.25-1.59 | >1.59 |
| | kW | | | | | | | | | kW | | | |
| 100 | 0,51 | 0,56 | 0,61 | 0,69 | 0,69 | 0,82 | 0,77 | 0,95 | 1,01 | 0,01 | 0,02 | 0,04 | 0,05 |
| 200 | 0,92 | 1,00 | 1,11 | 1,24 | 0,75 | 1,49 | 1,61 | 1,74 | 1,86 | 0,01 | 0,05 | 0,09 | 0,12 |
| 300 | 1,11 | 1,42 | 1,56 | 1,74 | 1,36 | 2,10 | 2,29 | 2,46 | 2,65 | 0,02 | 0,08 | 0,14 | 0,17 |
| 400 | 1,62 | 1,79 | 1,98 | 2,21 | 1,93 | 2,69 | 2,92 | 3,15 | 3,38 | 0,02 | 0,10 | 0,19 | 0,23 |
| 500 | 1,94 | 2,15 | 2,38 | 2,67 | 2,45 | 3,24 | 3,52 | 3,80 | 4,09 | 0,03 | 0,13 | 0,23 | 0,28 |
| 600 | 2,23 | 2,47 | 2,75 | 3,10 | 2,95 | 3,76 | 4,10 | 4,43 | 4,75 | 0,03 | 0,15 | 0,27 | 0,35 |
| 700 | 2,52 | 2,80 | 3,11 | 3,50 | 3,43 | 4,27 | 4,64 | 5,02 | 5,40 | 0,04 | 0,19 | 0,32 | 0,40 |
| 720 | 2,57 | 2,86 | 3,18 | 3,58 | 3,89 | 4,37 | 4,75 | 5,14 | 5,53 | 0,04 | 0,19 | 0,33 | 0,41 |
| 800 | 2,79 | 3,11 | 3,46 | 3,89 | 3,98 | 4,75 | 5,18 | 5,59 | 6,02 | 0,04 | 0,21 | 0,37 | 0,46 |
| 900 | 3,05 | 3,40 | 3,78 | 4,26 | 4,33 | 5,22 | 5,69 | 6,15 | 6,61 | 0,05 | 0,38 | 0,41 | 0,51 |
| 960 | 3,20 | 3,56 | 3,98 | 4,48 | 4,74 | 5,48 | 5,98 | 6,46 | 6,94 | 0,05 | 0,25 | 0,44 | 0,55 |
| 1 000 | 3,30 | 3,67 | 4,10 | 4,63 | 4,99 | 5,67 | 6,17 | 6,67 | 7,17 | 0,05 | 0,26 | 0,46 | 0,58 |
| 1 100 | 3,53 | 3,95 | 4,40 | 4,97 | 5,14 | 6,09 | 6,64 | 7,18 | 7,72 | 0,07 | 0,28 | 0,50 | 0,63 |
| 1 200 | 3,76 | 4,20 | 4,70 | 5,31 | 5,54 | 6,50 | 7,09 | 7,66 | 8,23 | 0,07 | 0,31 | 0,55 | 0,69 |
| 1 300 | 3,98 | 4,45 | 4,97 | 5,62 | 5,91 | 6,89 | 7,51 | 8,12 | 8,72 | 0,08 | 0,34 | 0,60 | 0,74 |
| 1 400 | 4,19 | 4,68 | 5,23 | 5,92 | 6,26 | 7,26 | 7,91 | 8,56 | 9,19 | 0,08 | 0,36 | 0,64 | 0,81 |
| 1 440 | 4,26 | 4,76 | 5,34 | 6,04 | 6,59 | 7,41 | 8,08 | 8,73 | 9,36 | 0,08 | 0,37 | 0,65 | 0,83 |
| 1 500 | 4,38 | 4,89 | 5,48 | 6,21 | 6,73 | 7,62 | 8,31 | 8,97 | 9,62 | 0,09 | 0,39 | 0,69 | 0,86 |
| 1 600 | 4,57 | 5,11 | 5,72 | 6,49 | 6,92 | 7,96 | 8,67 | 9,36 | 10,04 | 0,09 | 0,41 | 0,73 | 0,92 |
| 1 700 | 4,74 | 5,31 | 5,95 | 6,75 | 7,23 | 8,27 | 9,00 | 9,72 | 10,42 | 0,10 | 0,44 | 0,77 | 0,97 |
| 1 800 | 4,91 | 5,49 | 6,17 | 6,99 | 7,52 | 8,57 | 9,33 | 10,06 | 10,78 | 0,11 | 0,47 | 0,83 | 1,04 |
| 1 900 | 5,06 | 5,68 | 6,37 | 7,22 | 7,78 | 8,84 | 9,62 | 10,38 | 11,11 | 0,11 | 0,49 | 0,87 | 1,09 |
| 2 000 | 5,20 | 5,84 | 6,56 | 7,43 | 8,04 | 9,10 | 9,90 | 10,66 | 11,40 | 0,11 | 0,51 | 0,92 | 1,14 |
| 2 100 | 5,33 | 6,00 | 6,74 | 7,63 | 8,27 | 9,33 | 10,15 | 10,92 | 11,66 | 0,12 | 0,55 | 0,96 | 1,20 |
| 2 200 | 5,46 | 6,14 | 6,89 | 7,82 | 8,50 | 9,55 | 10,37 | 11,15 | 11,90 | 0,12 | 0,57 | 1,00 | 1,26 |
| 2 300 | 5,57 | 6,27 | 7,04 | 7,98 | 8,70 | 9,74 | 10,56 | 11,36 | 12,10 | 0,13 | 0,59 | 1,06 | 1,32 |
| 2 400 | 5,67 | 6,39 | 7,17 | 8,12 | 8,87 | 9,91 | 10,74 | 11,52 | 12,26 | 0,13 | 0,62 | 1,10 | 1,37 |
| 2 500 | 5,77 | 6,49 | 7,29 | 8,25 | 9,04 | 10,05 | 10,88 | 11,66 | 12,39 | 0,14 | 0,64 | 1,14 | 1,43 |
| 2 600 | 5,84 | 6,57 | 7,39 | 8,37 | 9,18 | 10,18 | 11,00 | 11,77 | 12,48 | 0,14 | 0,68 | 1,19 | 1,49 |
| 2 700 | 5,91 | 6,66 | 7,48 | 8,47 | 9,30 | 10,27 | 11,09 | 11,85 | 12,54 | 0,15 | 0,70 | 1,23 | 1,55 |
| 2 800 | 5,96 | 6,73 | 7,55 | 8,55 | 9,40 | 10,34 | 11,15 | 11,88 | 12,55 | 0,15 | 0,72 | 1,29 | 1,60 |
| 2 880 | 6,00 | 6,76 | 7,60 | 8,59 | 9,47 | 10,38 | 11,17 | 11,89 | | 0,16 | 0,74 | 1,32 | 1,65 |
| 2 900 | 6,01 | 6,77 | 7,61 | 8,60 | 9,52 | 10,39 | 11,17 | | | 0,16 | 0,75 | 1,33 | 1,67 |
| 3 000 | 6,04 | 6,81 | 7,65 | 8,64 | 9,53 | 10,41 | | | | 0,16 | 0,77 | 1,37 | 1,72 |
| 3 100 | 6,06 | 6,83 | 7,67 | 8,67 | 9,56 | | | | | 0,17 | 0,80 | 1,42 | 1,78 |
| 3 200 | 6,06 | 6,83 | 7,68 | | | | | | | 0,17 | 0,83 | 1,46 | 1,83 |

POWER RATING

1.1.1 CLASSICAL WRAPPED V BELTS

Section C

| Faster shaft speed | Rated power per belt for small pulley datum diameter [mm] | | | | | | | | | | | Additional power per belt for speed ratio | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|-----------|-----------|-------|
| | 224 | 236 | 250 | 265 | 280 | 300 | 315 | 335 | 355 | 375 | 400 | 1.00-1.05 | 1.06-1.24 | 1.25-1.59 | >1.59 |
| r/min | kW | | | | | | | | | | | kW | | | |
| 100 | 1,65 | 1,78 | 1,93 | 2,09 | 2,25 | 2,46 | 2,62 | 2,83 | 3,04 | 3,25 | 3,51 | 0,01 | 0,07 | 0,12 | 0,15 |
| 200 | 3,00 | 3,24 | 3,52 | 3,83 | 4,12 | 4,51 | 4,82 | 5,21 | 5,60 | 5,98 | 6,46 | 0,02 | 0,13 | 0,24 | 0,31 |
| 300 | 4,22 | 4,57 | 4,97 | 5,41 | 5,84 | 6,41 | 6,83 | 7,40 | 7,96 | 8,51 | 9,20 | 0,04 | 0,19 | 0,36 | 0,46 |
| 400 | 5,36 | 5,81 | 6,33 | 6,89 | 7,44 | 8,19 | 8,73 | 9,45 | 10,16 | 10,87 | 11,75 | 0,05 | 0,25 | 0,47 | 0,63 |
| 500 | 6,43 | 6,99 | 7,62 | 8,29 | 8,96 | 9,85 | 10,51 | 11,38 | 12,24 | 13,08 | 14,14 | 0,07 | 0,32 | 0,59 | 0,78 |
| 600 | 7,44 | 8,09 | 8,83 | 9,61 | 10,40 | 11,42 | 12,19 | 13,19 | 14,18 | 15,16 | 16,36 | 0,08 | 0,38 | 0,71 | 0,95 |
| 700 | 8,40 | 9,13 | 9,97 | 10,87 | 11,75 | 12,91 | 13,77 | 14,89 | 16,00 | 17,09 | 18,42 | 0,09 | 0,45 | 0,83 | 1,10 |
| 720 | 8,59 | 9,34 | 10,20 | 11,11 | 12,01 | 13,20 | 14,07 | 15,22 | 16,35 | 17,46 | 18,81 | 0,10 | 0,46 | 0,85 | 1,13 |
| 800 | 9,31 | 10,13 | 11,06 | 12,04 | 13,03 | 14,30 | 15,25 | 16,48 | 17,69 | 18,87 | 20,32 | 0,11 | 0,50 | 0,95 | 1,26 |
| 900 | 10,17 | 11,05 | 12,08 | 13,16 | 14,21 | 15,60 | 16,62 | 17,95 | 19,24 | 20,50 | 22,03 | 0,12 | 0,57 | 1,07 | 1,42 |
| 960 | 10,66 | 11,59 | 12,65 | 13,79 | 14,89 | 16,34 | 17,40 | 18,77 | 20,10 | 21,40 | 22,96 | 0,13 | 0,61 | 1,13 | 1,52 |
| 1 000 | 10,97 | 11,92 | 13,03 | 14,19 | 15,33 | 16,81 | 17,89 | 19,29 | 20,64 | 21,96 | 23,54 | 0,13 | 0,63 | 1,19 | 1,57 |
| 1 100 | 11,72 | 12,74 | 13,92 | 15,14 | 16,35 | 17,90 | 19,03 | 20,50 | 21,91 | 23,25 | 24,85 | 0,14 | 0,70 | 1,30 | 1,73 |
| 1 200 | 12,42 | 13,49 | 14,74 | 16,02 | 17,28 | 18,90 | 20,07 | 21,57 | 23,00 | 24,36 | 25,94 | 0,16 | 0,76 | 1,42 | 1,89 |
| 1 300 | 13,06 | 14,19 | 15,48 | 16,82 | 18,12 | 19,78 | 20,97 | 22,50 | 23,93 | 25,27 | 26,80 | 0,17 | 0,82 | 1,54 | 2,05 |
| 1 400 | 13,64 | 14,81 | 16,14 | 17,53 | 18,86 | 20,55 | 21,75 | 23,26 | 24,67 | 25,96 | 27,42 | 0,19 | 0,88 | 1,66 | 2,20 |
| 1 440 | 13,85 | 15,04 | 16,39 | 17,79 | 19,13 | 20,82 | 22,02 | 23,52 | 24,92 | 26,18 | 27,60 | 0,19 | 0,90 | 1,70 | 2,27 |
| 1 500 | 14,16 | 15,37 | 16,74 | 18,15 | 19,50 | 21,19 | 22,39 | 23,87 | 25,22 | 26,44 | 27,77 | 0,20 | 0,95 | 1,78 | 2,37 |
| 1600 | 14,62 | 15,86 | 17,25 | 18,98 | 20,03 | 21,71 | 22,88 | 24,31 | 25,58 | 26,69 | 27,85 | 0,21 | 1,07 | 2,02 | 2,67 |
| 1 700 | 15,02 | 16,28 | 17,69 | 19,11 | 20,45 | 22,09 | 23,22 | 24,57 | 25,72 | 26,71 | | 0,23 | 1,07 | 2,02 | 2,67 |
| 1 800 | 15,36 | 16,62 | 18,03 | 19,45 | 20,75 | 22,33 | 23,40 | 24,63 | | | | 0,24 | 1,13 | 2,13 | 2,83 |
| 1 900 | 15,62 | 16,88 | 18,28 | 19,66 | 20,94 | 22,43 | 23,41 | | | | | 0,25 | 1,20 | 2,25 | 2,92 |
| 2 000 | 15,82 | 17,07 | 18,44 | 19,78 | 20,99 | | | | | | | 0,26 | 1,26 | 2,37 | 3,15 |
| 2 100 | 15,94 | 17,17 | 18,51 | 19,78 | | | | | | | | 0,27 | 1,33 | 2,49 | 3,30 |
| 2 200 | 15,98 | 17,19 | | | | | | | | | | 0,29 | 1,38 | 2,61 | 3,47 |

Section D

| Faster shaft speed | Rated power per belt for small pulley datum diameter [mm] | | | | | | | | | | | | Additional power per belt for speed ratio | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|-----------|-----------|-----------|-------|
| | 355 | 375 | 400 | 425 | 450 | 475 | 500 | 530 | 560 | 630 | 710 | 800 | 1 000 | 1.00-1.05 | 1.06-1.24 | 1.25-1.59 | >1.59 |
| r/min | kW | | | | | | | | | | | | kW | | | | |
| 100 | 4,64 | 5,04 | 5,52 | 6,00 | 6,46 | 6,94 | 7,41 | 7,98 | 8,53 | 9,83 | 11,29 | 12,92 | 16,47 | 0,03 | 0,19 | 0,35 | 0,46 |
| 200 | 8,41 | 9,13 | 10,04 | 10,93 | 11,82 | 12,70 | 13,57 | 14,62 | 15,65 | 18,05 | 20,74 | 23,71 | 30,11 | 0,08 | 0,36 | 0,69 | 0,93 |
| 300 | 11,82 | 12,85 | 14,13 | 15,40 | 16,67 | 17,92 | 19,16 | 20,63 | 22,11 | 25,46 | 29,20 | 33,29 | 41,89 | 0,11 | 0,55 | 1,04 | 1,38 |
| 400 | 14,93 | 16,25 | 17,89 | 19,51 | 21,11 | 22,69 | 24,26 | 26,12 | 27,95 | 32,12 | 36,71 | 41,65 | 51,63 | 0,15 | 0,73 | 1,37 | 1,84 |
| 500 | 17,79 | 19,38 | 21,34 | 23,27 | 25,17 | 27,04 | 28,90 | 31,07 | 33,20 | 38,02 | 43,21 | 48,65 | 58,99 | 0,19 | 0,92 | 1,72 | 2,30 |
| 600 | 20,42 | 22,24 | 24,48 | 26,68 | 28,84 | 30,96 | 33,03 | 35,46 | 37,81 | 43,06 | 48,57 | 54,10 | 63,56 | 0,23 | 1,09 | 2,06 | 2,77 |
| 700 | 22,79 | 24,82 | 27,30 | 29,72 | 32,09 | 34,39 | 36,62 | 39,23 | 41,73 | 47,16 | 52,65 | 57,79 | 64,89 | 0,26 | 1,28 | 2,41 | 3,23 |
| 800 | 24,91 | 27,11 | 29,79 | 32,38 | 34,90 | 37,32 | 39,65 | 42,34 | 44,88 | 50,23 | 55,30 | 59,52 | | 0,31 | 1,46 | 2,75 | 3,68 |
| 900 | 26,76 | 29,09 | 31,92 | 34,63 | 37,23 | 39,71 | 42,06 | 44,72 | 47,19 | 52,16 | 56,36 | | | 0,34 | 1,65 | 3,10 | 4,15 |
| 1 000 | 28,32 | 30,75 | 33,67 | 36,43 | 39,04 | 41,51 | 43,80 | 46,33 | 48,59 | 52,82 | | | | 0,38 | 1,82 | 3,44 | 4,61 |
| 1 100 | 29,58 | 32,07 | 35,01 | 37,76 | 40,31 | 42,66 | 44,80 | 47,07 | 49,00 | | | | | 0,41 | 2,01 | 3,78 | 5,07 |
| 1 200 | 30,52 | 33,01 | 35,92 | 38,58 | 40,98 | 43,13 | 45,01 | | | | | | | 0,46 | 2,19 | 4,13 | 5,53 |
| 1 300 | 31,12 | 33,56 | 36,35 | 38,85 | 41,02 | | | | | | | | | 0,49 | 2,37 | 4,47 | 6,00 |
| 1400 | 31,37 | 33,70 | | | | | | | | | | | | 0,53 | 2,55 | 4,82 | 6,45 |
| 1500 | | | | | | | | | | | | | | 0,57 | 2,74 | 5,16 | 6,91 |



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