

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Basic kW per belt or rib

## SPZ-3V-9J

All values printed in *italics* are for use with Super HC® Moulded Notch construction only.

RPM of faster shaft	56	60	63	67	71	75	80	85	90	95	100	106	112	118	125	132	140
585	0.42	0.50	0.55	0.63	0.66	0.74	0.84	0.94	1.04	1.14	1.24	1.36	1.47	1.59	1.73	1.86	2.01
700	0.47	0.56	0.63	0.72	0.77	0.86	0.98	1.10	1.22	1.33	1.45	1.59	1.73	1.87	2.03	2.19	2.37
725	0.48	0.57	0.65	0.74	0.79	0.89	1.01	1.13	1.26	1.38	1.50	1.64	1.78	1.93	2.09	2.26	2.44
870	0.55	0.66	0.74	0.85	0.92	1.04	1.19	1.33	1.47	1.62	1.76	1.93	2.10	2.26	2.46	2.65	2.87
950	0.58	0.70	0.79	0.91	0.99	1.12	1.28	1.43	1.59	1.74	1.90	2.08	2.27	2.45	2.66	2.87	3.11
1160	0.67	0.81	0.91	1.06	1.18	1.33	1.52	1.70	1.89	2.08	2.26	2.48	2.70	2.92	3.17	3.42	3.71
1450	0.77	0.95	1.07	1.24	1.41	1.60	1.83	2.06	2.29	2.51	2.74	3.01	3.28	3.54	3.85	4.15	4.50
1750	0.87	1.07	1.22	1.42	1.64	1.86	2.14	2.41	2.68	2.95	3.21	3.53	3.85	4.16	4.52	4.88	5.28
2850	1.13	1.45	1.68	1.99	2.40	2.74	3.15	3.57	3.97	4.38	4.77	5.24	5.71	6.16	6.69	7.20	7.77
3450	1.24	1.62	1.89	2.26	2.75	3.15	3.63	4.11	4.58	5.04	5.50	6.04	6.56	7.07	7.66	8.22	8.84
100	0.11	0.12	0.13	0.14	0.14	0.16	0.18	0.20	0.21	0.23	0.25	0.28	0.30	0.32	0.35	0.37	0.40
200	0.19	0.21	0.23	0.26	0.26	0.29	0.33	0.36	0.40	0.44	0.47	0.52	0.56	0.60	0.65	0.70	0.76
300	0.25	0.30	0.33	0.36	0.37	0.41	0.47	0.52	0.58	0.63	0.68	0.75	0.81	0.87	0.94	1.02	1.10
400	0.31	0.36	0.41	0.46	0.48	0.53	0.60	0.67	0.74	0.81	0.88	0.97	1.05	1.13	1.23	1.32	1.43
500	0.37	0.44	0.48	0.55	0.58	0.65	0.73	0.82	0.91	0.99	1.08	1.18	1.28	1.38	1.50	1.62	1.75
600	0.42	0.51	0.56	0.64	0.67	0.76	0.86	0.96	1.06	1.17	1.27	1.39	1.51	1.63	1.77	1.90	2.06
700	0.47	0.56	0.63	0.72	0.77	0.86	0.98	1.10	1.22	1.33	1.45	1.59	1.73	1.87	2.03	2.19	2.37
800	0.52	0.62	0.69	0.79	0.86	0.97	1.10	1.24	1.37	1.50	1.63	1.79	1.95	2.10	2.28	2.46	2.67
900	0.56	0.67	0.76	0.87	0.95	1.07	1.22	1.37	1.52	1.66	1.81	1.99	2.16	2.33	2.54	2.74	2.96
1000	0.61	0.73	0.83	0.95	1.04	1.17	1.34	1.50	1.66	1.82	1.99	2.18	2.37	2.56	2.78	3.00	3.25
1100	0.65	0.78	0.88	1.01	1.12	1.27	1.45	1.63	1.81	1.98	2.16	2.37	2.58	2.79	3.03	3.27	3.54
1200	0.68	0.83	0.94	1.08	1.21	1.37	1.56	1.75	1.95	2.14	2.33	2.55	2.78	3.01	3.27	3.53	3.82
1300	0.72	0.88	0.99	1.14	1.29	1.46	1.67	1.88	2.08	2.29	2.49	2.74	2.98	3.22	3.50	3.78	4.09
1400	0.75	0.92	1.05	1.21	1.37	1.55	1.78	2.00	2.22	2.44	2.66	2.92	3.18	3.44	3.73	4.03	4.37
1500	0.79	0.97	1.10	1.28	1.45	1.64	1.88	2.12	2.35	2.59	2.82	3.10	3.37	3.65	3.96	4.28	4.63
1600	0.81	1.01	1.14	1.33	1.53	1.73	1.99	2.24	2.49	2.73	2.98	3.27	3.56	3.85	4.19	4.52	4.90
1700	0.85	1.05	1.20	1.40	1.61	1.82	2.09	2.35	2.62	2.88	3.14	3.45	3.75	4.06	4.41	4.76	5.15
1800	0.88	1.09	1.24	1.45	1.68	1.91	2.19	2.47	2.74	3.02	3.29	3.62	3.94	4.26	4.63	4.99	5.41
1900	0.91	1.13	1.29	1.51	1.76	1.99	2.29	2.58	2.87	3.16	3.44	3.78	4.12	4.46	4.84	5.22	5.65
2000	0.94	1.17	1.34	1.56	1.83	2.08	2.39	2.69	2.99	3.30	3.59	3.95	4.30	4.65	5.05	5.45	5.90
2100	0.97	1.20	1.39	1.62	1.90	2.16	2.48	2.80	3.12	3.43	3.74	4.11	4.48	4.84	5.26	5.67	6.14
2200	0.99	1.24	1.43	1.67	1.97	2.24	2.58	2.91	3.24	3.56	3.89	4.27	4.65	5.03	5.46	5.89	6.37
2300	1.01	1.28	1.46	1.73	2.04	2.32	2.67	3.01	3.36	3.69	4.03	4.43	4.82	5.21	5.66	6.10	6.60
2400	1.03	1.31	1.51	1.77	2.11	2.40	2.76	3.12	3.47	3.82	4.17	4.58	4.99	5.39	5.86	6.31	6.82
2500	1.07	1.34	1.55	1.83	2.18	2.48	2.85	3.22	3.59	3.95	4.31	4.73	5.16	5.57	6.05	6.52	7.04
2600	1.09	1.38	1.58	1.87	2.24	2.55	2.94	3.32	3.70	4.07	4.44	4.88	5.32	5.74	6.23	6.72	7.26
2700	1.11	1.41	1.63	1.93	2.31	2.63	3.03	3.42	3.81	4.20	4.58	5.03	5.48	5.91	6.42	6.91	7.46
2800	1.12	1.43	1.66	1.97	2.37	2.70	3.11	3.52	3.92	4.32	4.71	5.17	5.63	6.08	6.60	7.10	7.67
2900	1.14	1.46	1.71	2.01	2.43	2.77	3.20	3.61	4.03	4.44	4.84	5.31	5.78	6.24	6.77	7.29	7.86
3000	1.17	1.50	1.74	2.06	2.49	2.84	3.28	3.71	4.13	4.55	4.96	5.45	5.93	6.40	6.94	7.47	8.06
3100	1.19	1.52	1.77	2.10	2.55	2.91	3.36	3.80	4.24	4.66	5.09	5.59	6.08	6.56	7.11	7.65	8.24
3200	1.20	1.55	1.80	2.15	2.61	2.98	3.44	3.89	4.34	4.78	5.21	5.72	6.22	6.71	7.27	7.82	8.42
3300	1.22	1.57	1.84	2.19	2.67	3.05	3.52	3.98	4.44	4.89	5.33	5.85	6.36	6.86	7.43	7.98	8.59
3400	1.24	1.61	1.87	2.23	2.72	3.11	3.59	4.07	4.53	4.99	5.44	5.98	6.50	7.00	7.58	8.14	8.76
3500	1.25	1.63	1.90	2.28	2.78	3.18	3.67	4.15	4.63	5.10	5.56	6.10	6.63	7.14	7.73	8.30	8.92
3600	1.27	1.65	1.94	2.32	2.83	3.24	3.74	4.24	4.72	5.20	5.67	6.22	6.76	7.28	7.87	8.45	9.08
3700	1.29	1.68	1.97	2.35	2.89	3.30	3.81	4.32	4.81	5.30	5.78	6.33	6.88	7.41	8.01	8.59	9.22
3800	1.30	1.71	2.00	2.40	2.94	3.36	3.88	4.40	4.90	5.40	5.88	6.45	7.00	7.54	8.14	8.73	9.36
3900	1.32	1.73	2.04	2.43	2.99	3.42	3.95	4.48	4.99	5.49	5.98	6.56	7.12	7.66	8.27	8.86	9.50
4000	1.33	1.75	2.06	2.48	3.04	3.48	4.02	4.55	5.07	5.58	6.08	6.67	7.23	7.78	8.40	8.99	9.62
4100	1.34	1.77	2.09	2.51	3.09	3.53	4.09	4.63	5.16	5.67	6.18	6.77	7.34	7.89	8.51	9.10	9.74
4200	1.35	1.79	2.12	2.55	3.13	3.59	4.15	4.70	5.24	5.76	6.27	6.87	7.45	8.00	8.63	9.22	9.86
4300	1.36	1.82	2.15	2.59	3.18	3.64	4.21	4.77	5.31	5.84	6.36	6.97	7.55	8.11	8.73	9.33	9.96
4400	1.38	1.84	2.18	2.62	3.22	3.69	4.27	4.84	5.39	5.93	6.45	7.06	7.65	8.21	8.83	9.43	10.06
4500	1.39	1.86	2.20	2.65	3.26	3.74	4.33	4.90	5.46	6.01	6.53	7.15	7.74	8.30	8.93	9.52	10.15
4600	1.40	1.87	2.22	2.70	3.31	3.79	4.39	4.97	5.53	6.08	6.62	7.23	7.83	8.39	9.02	9.61	10.23
4700	1.41	1.89	2.26	2.73	3.35	3.84	4.44	5.03	5.60	6.16	6.69	7.32	7.91	8.48	9.10	9.69	10.30
4800	1.42	1.91	2.28	2.76	3.38	3.88	4.50	5.09	5.67	6.23	6.77	7.39	7.99	8.56	9.18	9.76	10.37
4900	1.43	1.93	2.30	2.79	3.42	3.93	4.55	5.15	5.73	6.30	6.84	7.47	8.07	8.63	9.26	9.83	10.43
5000	1.44	1.95	2.32	2.83	3.46	3.97	4.60	5.20	5.79	6.36	6.91	7.54	8.14	8.70	9.32	9.89	10.47

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

## Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{589971}$	0	$\frac{d \times \text{RPM}}{624999}$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Additional kW per belt or rib for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	>3.38
585	0.00	0.01	0.02	0.04	0.05	0.07	0.08	0.09	0.09	0.10
700	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
725	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.12
870	0.00	0.01	0.03	0.06	0.08	0.10	0.11	0.13	0.14	0.15
950	0.00	0.01	0.04	0.06	0.09	0.11	0.12	0.14	0.15	0.16
1160	0.00	0.02	0.05	0.08	0.11	0.13	0.15	0.17	0.19	0.20
1450	0.00	0.02	0.06	0.10	0.13	0.16	0.19	0.21	0.23	0.25
1750	0.00	0.03	0.07	0.12	0.16	0.20	0.23	0.26	0.28	0.30
2850	0.00	0.04	0.11	0.19	0.26	0.32	0.37	0.42	0.46	0.49
3450	0.00	0.05	0.13	0.23	0.32	0.39	0.45	0.51	0.56	0.59
100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
200	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03
300	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05
400	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07
500	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.09
600	0.00	0.01	0.02	0.04	0.06	0.07	0.08	0.09	0.10	0.10
700	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
800	0.00	0.01	0.03	0.05	0.07	0.09	0.11	0.12	0.13	0.14
900	0.00	0.01	0.04	0.06	0.08	0.10	0.12	0.13	0.15	0.15
1000	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
1100	0.00	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.18	0.19
1200	0.00	0.02	0.05	0.08	0.11	0.13	0.16	0.18	0.19	0.20
1300	0.00	0.02	0.05	0.09	0.12	0.15	0.17	0.19	0.21	0.22
1400	0.00	0.02	0.05	0.10	0.13	0.16	0.18	0.21	0.23	0.24
1500	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
1600	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.24	0.26	0.27
1700	0.00	0.02	0.07	0.12	0.16	0.19	0.22	0.25	0.27	0.29
1800	0.00	0.03	0.07	0.12	0.17	0.20	0.24	0.27	0.29	0.31
1900	0.00	0.03	0.07	0.13	0.18	0.21	0.25	0.28	0.31	0.32
2000	0.00	0.03	0.08	0.14	0.19	0.22	0.26	0.30	0.32	0.34
2100	0.00	0.03	0.08	0.14	0.19	0.24	0.28	0.31	0.34	0.36
2200	0.00	0.03	0.09	0.15	0.20	0.25	0.29	0.33	0.35	0.38
2300	0.00	0.03	0.09	0.16	0.21	0.26	0.30	0.34	0.37	0.39
2400	0.00	0.03	0.09	0.16	0.22	0.27	0.32	0.36	0.39	0.41
2500	0.00	0.04	0.10	0.17	0.23	0.28	0.33	0.37	0.40	0.43
2600	0.00	0.04	0.10	0.18	0.24	0.29	0.34	0.38	0.42	0.44
2700	0.00	0.04	0.11	0.18	0.25	0.30	0.36	0.40	0.44	0.46
2800	0.00	0.04	0.11	0.19	0.26	0.31	0.37	0.41	0.45	0.48
2900	0.00	0.04	0.11	0.20	0.27	0.33	0.38	0.43	0.47	0.50
3000	0.00	0.04	0.12	0.20	0.28	0.34	0.39	0.44	0.48	0.51
3100	0.00	0.04	0.12	0.21	0.29	0.35	0.41	0.46	0.50	0.53
3200	0.00	0.05	0.12	0.22	0.30	0.36	0.42	0.47	0.52	0.55
3300	0.00	0.05	0.13	0.22	0.31	0.37	0.43	0.49	0.53	0.56
3400	0.00	0.05	0.13	0.23	0.32	0.38	0.45	0.50	0.55	0.58
3500	0.00	0.05	0.14	0.24	0.32	0.39	0.46	0.52	0.56	0.60
3600	0.00	0.05	0.14	0.25	0.33	0.40	0.47	0.53	0.58	0.61
3700	0.00	0.05	0.14	0.25	0.34	0.42	0.49	0.55	0.60	0.63
3800	0.00	0.05	0.15	0.26	0.35	0.43	0.50	0.56	0.61	0.65
3900	0.00	0.06	0.15	0.27	0.36	0.44	0.51	0.58	0.63	0.67
4000	0.00	0.06	0.16	0.27	0.37	0.45	0.53	0.59	0.64	0.68
4100	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.66	0.70
4200	0.00	0.06	0.16	0.29	0.39	0.47	0.55	0.62	0.68	0.72
4300	0.00	0.06	0.17	0.29	0.40	0.48	0.57	0.64	0.69	0.73
4400	0.00	0.06	0.17	0.30	0.41	0.49	0.58	0.65	0.71	0.75
4500	0.00	0.06	0.18	0.31	0.42	0.51	0.59	0.67	0.73	0.77
4600	0.00	0.07	0.18	0.31	0.43	0.52	0.60	0.68	0.74	0.79
4700	0.00	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.80
4800	0.00	0.07	0.19	0.33	0.44	0.54	0.63	0.71	0.77	0.82
4900	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.73	0.79	0.84
5000	0.00	0.07	0.20	0.34	0.46	0.56	0.66	0.74	0.81	0.85

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor C<sub>L</sub>

Belt ref.	ISO datum length mm	Corr. factor C <sub>L</sub>	Belt ref.	RMA effective length mm	Corr. factor C <sub>L</sub>
SPZ-560	560	0.81	3V-250	635	0.83
SPZ-600	600	0.82	3V-265	675	0.84
SPZ-630	630	0.83	3V-280	710	0.85
SPZ-670	670	0.84	3V-300	760	0.86
SPZ-710	710	0.85	3V-315	800	0.87
SPZ-750	750	0.86	3V-335	850	0.88
SPZ-800	800	0.87	3V-355	900	0.89
SPZ-850	850	0.88	3V-375	955	0.91
SPZ-900	900	0.89	3V-400	1015	0.92
SPZ-950	950	0.90	3V-425	1080	0.93
SPZ-1000	1000	0.91	3V-450	1145	0.94
SPZ-1060	1060	0.92	3V-475	1205	0.95
SPZ-1120	1120	0.93	3V-500	1270	0.96
SPZ-1180	1180	0.94	3V-530	1345	0.97
SPZ-1250	1250	0.95	3V-560	1420	0.98
SPZ-1320	1320	0.96	3V-600	1525	0.99
SPZ-1400	1400	0.98	3V-630	1600	1.00
SPZ-1500	1500	0.99	3V-670	1700	1.01
SPZ-1600	1600	1.00	3V-710	1805	1.02
SPZ-1700	1700	1.01	3V-750	1905	1.03
SPZ-1800	1800	1.02	3V-800	2030	1.04
SPZ-1900	1900	1.03	3V-850	2160	1.05
SPZ-2000	2000	1.04	3V-900	2285	1.07
SPZ-2120	2120	1.05	3V-950	2415	1.08
SPZ-2240	2240	1.06	3V-1000	2540	1.08
SPZ-2360	2360	1.07	3V-1060	2690	1.09
SPZ-2500	2500	1.08	3V-1120	2845	1.11
SPZ-2650	2650	1.09	3V-1180	2995	1.11
SPZ-2800	2800	1.10	3V-1250	3175	1.13
SPZ-3000	3000	1.11	3V-1320	3355	1.14
SPZ-3150	3150	1.12	3V-1400	3555	1.15
SPZ-3350	3350	1.13			
SPZ-3550	3550	1.15			

The sizes printed in colour are available as 9J PowerBand®.

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$



# POWER RATINGS SUPER HC® MN / SUPER HC®

## Basic kW per belt

SPA

All values printed in italics are for use with Super HC® Moulded Notch construction only.

RPM of faster shaft	80	85	90	95	100	106	112	118	125	132	140	150	160	170	180	190	200
585	0.91	1.06	1.22	1.37	1.49	1.69	1.88	2.08	2.31	2.53	2.79	3.11	3.43	3.74	4.06	4.37	4.68
700	1.03	1.21	1.39	1.57	1.74	1.97	2.20	2.43	2.70	2.96	3.27	3.64	4.02	4.39	4.76	5.13	5.49
725	1.06	1.24	1.43	1.61	1.79	2.03	2.27	2.50	2.78	3.06	3.37	3.76	4.14	4.53	4.91	5.29	5.66
870	1.19	1.41	1.63	1.84	2.08	2.37	2.65	2.93	3.26	3.58	3.95	4.41	4.86	5.31	5.76	6.21	6.65
950	1.26	1.50	1.73	1.97	2.24	2.55	2.85	3.16	3.51	3.86	4.26	4.76	5.25	5.74	6.22	6.70	7.18
1160	1.43	1.72	2.00	2.27	2.64	3.01	3.37	3.74	4.16	4.58	5.06	5.65	6.24	6.82	7.39	7.96	8.53
1450	1.64	1.98	2.32	2.66	3.16	3.61	4.06	4.50	5.01	5.52	6.10	6.82	7.53	8.22	8.92	9.60	10.27
1750	1.83	2.23	2.63	3.03	3.66	4.19	4.72	5.24	5.84	6.44	7.12	7.95	8.77	9.58	10.38	11.16	11.93
2850	2.32	2.93	3.54	4.15	5.20	5.99	6.77	7.53	8.40	9.25	10.21	11.36	12.48	13.55	14.58	15.55	16.49
3450	2.49	3.22	3.93	4.65	5.84	6.73	7.61	8.47	9.44	10.38	11.42	12.66	13.83	14.93	15.95	16.89	17.75
100	0.24	0.27	0.30	0.33	0.32	0.36	0.40	0.43	0.48	0.52	0.57	0.63	0.69	0.76	0.82	0.88	0.94
200	0.41	0.47	0.53	0.59	0.59	0.66	0.74	0.81	0.89	0.97	1.07	1.19	1.30	1.42	1.54	1.65	1.77
300	0.56	0.65	0.73	0.81	0.84	0.95	1.05	1.16	1.28	1.40	1.54	1.71	1.88	2.05	2.22	2.39	2.56
400	0.69	0.80	0.91	1.02	1.08	1.22	1.35	1.49	1.65	1.81	1.99	2.22	2.44	2.66	2.88	3.10	3.32
500	0.82	0.95	1.08	1.21	1.31	1.48	1.64	1.81	2.01	2.20	2.43	2.70	2.98	3.25	3.52	3.79	4.06
600	0.93	1.08	1.24	1.40	1.52	1.73	1.93	2.13	2.36	2.59	2.85	3.18	3.50	3.83	4.15	4.47	4.79
700	1.03	1.21	1.39	1.57	1.74	1.97	2.20	2.43	2.70	2.96	3.27	3.64	4.02	4.39	4.76	5.13	5.49
800	1.13	1.33	1.53	1.73	1.94	2.20	2.47	2.73	3.03	3.33	3.67	4.10	4.52	4.94	5.35	5.77	6.18
900	1.22	1.44	1.67	1.89	2.14	2.43	2.73	3.02	3.35	3.69	4.07	4.54	5.01	5.47	5.94	6.40	6.85
1000	1.31	1.55	1.80	2.04	2.34	2.66	2.98	3.30	3.67	4.04	4.45	4.97	5.49	6.00	6.51	7.01	7.51
1100	1.39	1.66	1.92	2.19	2.53	2.88	3.23	3.58	3.98	4.38	4.83	5.40	5.96	6.51	7.06	7.61	8.15
1200	1.46	1.75	2.04	2.33	2.71	3.09	3.47	3.85	4.28	4.72	5.21	5.82	6.42	7.02	7.61	8.19	8.78
1300	1.54	1.85	2.16	2.46	2.90	3.30	3.71	4.11	4.58	5.04	5.57	6.22	6.87	7.51	8.14	8.77	9.39
1400	1.61	1.94	2.27	2.60	3.07	3.51	3.94	4.37	4.87	5.37	5.93	6.62	7.31	7.99	8.66	9.32	9.98
1500	1.67	2.03	2.38	2.72	3.25	3.71	4.17	4.63	5.16	5.68	6.28	7.01	7.74	8.46	9.17	9.87	10.56
1600	1.74	2.11	2.48	2.85	3.42	3.91	4.39	4.88	5.44	5.99	6.62	7.39	8.16	8.92	9.66	10.40	11.12
1700	1.80	2.19	2.58	2.97	3.58	4.10	4.61	5.12	5.71	6.29	6.95	7.77	8.57	9.36	10.14	10.91	11.66
1800	1.86	2.27	2.68	3.09	3.74	4.29	4.82	5.36	5.98	6.59	7.28	8.13	8.97	9.80	10.61	11.41	12.19
1900	1.91	2.34	2.77	3.20	3.90	4.47	5.03	5.59	6.24	6.88	7.60	8.49	9.36	10.22	11.06	11.89	12.70
2000	1.96	2.41	2.86	3.31	4.05	4.65	5.24	5.82	6.49	7.16	7.91	8.83	9.74	10.63	11.50	12.35	13.18
2100	2.01	2.48	2.95	3.42	4.20	4.82	5.44	6.04	6.74	7.43	8.21	9.17	10.10	11.02	11.92	12.80	13.65
2200	2.06	2.55	3.04	3.52	4.35	4.99	5.63	6.26	6.98	7.70	8.50	9.49	10.46	11.41	12.33	13.23	14.10
2300	2.10	2.62	3.12	3.63	4.49	5.16	5.82	6.47	7.22	7.96	8.79	9.81	10.80	11.78	12.72	13.64	14.53
2400	2.15	2.68	3.20	3.73	4.63	5.32	6.00	6.67	7.45	8.21	9.07	10.12	11.14	12.13	13.10	14.03	14.94
2500	2.19	2.74	3.28	3.82	4.77	5.48	6.18	6.87	7.67	8.46	9.34	10.41	11.46	12.47	13.46	14.41	15.32
2600	2.23	2.80	3.36	3.92	4.90	5.63	6.35	7.07	7.89	8.69	9.60	10.70	11.77	12.80	13.80	14.76	15.68
2700	2.27	2.85	3.44	4.01	5.02	5.78	6.52	7.26	8.10	8.92	9.85	10.97	12.06	13.11	14.12	15.09	16.02
2800	2.30	2.91	3.51	4.10	5.14	5.92	6.69	7.44	8.30	9.15	10.09	11.24	12.34	13.41	14.43	15.41	16.34
2900	2.34	2.96	3.58	4.19	5.26	6.06	6.84	7.61	8.50	9.36	10.32	11.49	12.61	13.69	14.72	15.70	16.63
3000	2.37	3.01	3.65	4.28	5.38	6.19	7.00	7.78	8.68	9.57	10.54	11.73	12.86	13.95	14.99	15.97	16.89
3100	2.40	3.06	3.71	4.36	5.49	6.32	7.14	7.95	8.87	9.76	10.76	11.96	13.11	14.20	15.24	16.21	17.13
3200	2.43	3.11	3.78	4.45	5.59	6.45	7.28	8.10	9.04	9.95	10.96	12.17	13.33	14.43	15.47	16.44	17.34
3300	2.46	3.15	3.84	4.53	5.69	6.57	7.42	8.25	9.21	10.13	11.15	12.38	13.54	14.64	15.68	16.64	17.53
3400	2.48	3.20	3.90	4.61	5.79	6.68	7.55	8.40	9.36	10.30	11.33	12.57	13.74	14.84	15.86	16.81	17.68
3500	2.51	3.24	3.96	4.68	5.88	6.79	7.67	8.53	9.51	10.46	11.51	12.75	13.92	15.01	16.03	16.96	17.81
3600	2.53	3.28	4.02	4.76	5.97	6.89	7.79	8.66	9.66	10.61	11.67	12.91	14.08	15.17	16.17	17.09	17.90
3700	2.55	3.32	4.08	4.83	6.05	6.99	7.90	8.79	9.79	10.76	11.81	13.07	14.23	15.31	16.30	17.18	17.97
3800		3.36	4.13	4.91	6.13	7.08	8.01	8.90	9.92	10.89	11.95	13.20	14.36	15.43	16.40	17.26	18.01
3900		3.39	4.19	4.98	6.21	7.17	8.10	9.01	10.03	11.01	12.08	13.33	14.48	15.53	16.47	17.30	18.01
4000		3.43	4.24	5.04	6.28	7.25	8.20	9.11	10.14	11.12	12.19	13.44	14.58	15.61	16.52	17.32	17.98
4100		3.46	4.29	5.11	6.34	7.33	8.28	9.21	10.24	11.23	12.29	13.53	14.66	15.67	16.55	17.30	17.92
4200		3.49	4.34	5.18	6.40	7.40	8.36	9.29	10.33	11.32	12.38	13.61	14.72	15.70	16.55	17.26	17.82
4300			4.39	5.24	6.45	7.46	8.43	9.37	10.41	11.40	12.46	13.68	14.76	15.72	16.53	17.19	
4400			4.43	5.31	6.50	7.52	8.50	9.44	10.48	11.47	12.52	13.73	14.79	15.71	16.48	17.08	
4500			4.48	5.37	6.55	7.57	8.56	9.50	10.55	11.53	12.58	13.76	14.80	15.68	16.40	16.95	
4600				5.43	6.59	7.62	8.61	9.55	10.60	11.58	12.61	13.78	14.78	15.62	16.29		
4700				5.49	6.62	7.66	8.65	9.60	10.64	11.61	12.64	13.78	14.75	15.55	16.16		
4800					6.65	7.69	8.69	9.63	10.67	11.64	12.65	13.76	14.70	15.45			
4900					6.67	7.72	8.72	9.66	10.70	11.65	12.64	13.73	14.62	15.32			
5000					6.69	7.74	8.74	9.68	10.71	11.65	12.63	13.67	14.53	15.17			

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

## Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{361664}$	0	$\frac{d \times \text{RPM}}{382847}$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Additional kW per belt for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	>3.38
585	0.00	0.02	0.05	0.09	0.13	0.15	0.18	0.20	0.22	0.23
700	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.24	0.26	0.28
725	0.00	0.02	0.07	0.11	0.16	0.19	0.22	0.25	0.27	0.29
870	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
950	0.00	0.03	0.09	0.15	0.20	0.25	0.29	0.33	0.36	0.38
1160	0.00	0.04	0.11	0.18	0.25	0.30	0.35	0.40	0.43	0.46
1450	0.00	0.05	0.13	0.23	0.31	0.38	0.44	0.50	0.54	0.58
1750	0.00	0.06	0.16	0.28	0.38	0.46	0.53	0.60	0.66	0.69
2850	0.00	0.09	0.26	0.45	0.61	0.74	0.87	0.98	1.07	1.13
3450	0.00	0.11	0.31	0.55	0.74	0.90	1.05	1.19	1.29	1.37
100	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04
200	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08
300	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
400	0.00	0.01	0.04	0.06	0.09	0.10	0.12	0.14	0.15	0.16
500	0.00	0.02	0.05	0.08	0.11	0.13	0.15	0.17	0.19	0.20
600	0.00	0.02	0.05	0.09	0.13	0.16	0.18	0.21	0.22	0.24
700	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.24	0.26	0.28
800	0.00	0.03	0.07	0.13	0.17	0.21	0.24	0.28	0.30	0.32
900	0.00	0.03	0.08	0.14	0.19	0.23	0.28	0.31	0.34	0.36
1000	0.00	0.03	0.09	0.16	0.22	0.26	0.31	0.34	0.37	0.40
1100	0.00	0.04	0.10	0.17	0.24	0.29	0.34	0.38	0.41	0.44
1200	0.00	0.04	0.11	0.19	0.26	0.31	0.37	0.41	0.45	0.48
1300	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
1400	0.00	0.05	0.13	0.22	0.30	0.37	0.43	0.48	0.52	0.56
1500	0.00	0.05	0.14	0.24	0.32	0.39	0.46	0.52	0.56	0.60
1600	0.00	0.05	0.15	0.25	0.34	0.42	0.49	0.55	0.60	0.64
1700	0.00	0.06	0.15	0.27	0.37	0.44	0.52	0.58	0.64	0.67
1800	0.00	0.06	0.16	0.28	0.39	0.47	0.55	0.62	0.67	0.71
1900	0.00	0.06	0.17	0.30	0.41	0.50	0.58	0.65	0.71	0.75
2000	0.00	0.07	0.18	0.32	0.43	0.52	0.61	0.69	0.75	0.79
2100	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.72	0.79	0.83
2200	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.76	0.82	0.87
2300	0.00	0.08	0.21	0.36	0.50	0.60	0.70	0.79	0.86	0.91
2400	0.00	0.08	0.22	0.38	0.52	0.63	0.73	0.83	0.90	0.95
2500	0.00	0.08	0.23	0.40	0.54	0.65	0.76	0.86	0.94	0.99
2600	0.00	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
2700	0.00	0.09	0.25	0.43	0.58	0.70	0.83	0.93	1.01	1.07
2800	0.00	0.09	0.25	0.44	0.60	0.73	0.86	0.96	1.05	1.11
2900	0.00	0.10	0.26	0.46	0.62	0.76	0.89	1.00	1.09	1.15
3000	0.00	0.10	0.27	0.47	0.65	0.78	0.92	1.03	1.12	1.19
3100	0.00	0.10	0.28	0.49	0.67	0.81	0.95	1.07	1.16	1.23
3200	0.00	0.11	0.29	0.51	0.69	0.84	0.98	1.10	1.20	1.27
3300	0.00	0.11	0.30	0.52	0.71	0.86	1.01	1.14	1.24	1.31
3400	0.00	0.11	0.31	0.54	0.73	0.89	1.04	1.17	1.27	1.35
3500	0.00	0.12	0.32	0.55	0.75	0.91	1.07	1.20	1.31	1.39
3600	0.00	0.12	0.33	0.57	0.78	0.94	1.10	1.24	1.35	1.43
3700	0.00	0.12	0.34	0.59	0.80	0.97	1.13	1.27	1.39	1.47
3800	0.00	0.13	0.34	0.60	0.82	0.99	1.16	1.31	1.42	1.51
3900	0.00	0.13	0.35	0.62	0.84	1.02	1.19	1.34	1.46	1.55
4000	0.00	0.13	0.36	0.63	0.86	1.04	1.22	1.38	1.50	1.59
4100	0.00	0.14	0.37	0.65	0.88	1.07	1.25	1.41	1.54	1.63
4200	0.00	0.14	0.38	0.66	0.90	1.10	1.28	1.44	1.57	1.67
4300	0.00	0.14	0.39	0.68	0.93	1.12	1.31	1.48	1.61	1.71
4400	0.00	0.15	0.40	0.70	0.95	1.15	1.34	1.51	1.65	1.75
4500	0.00	0.15	0.41	0.71	0.97	1.17	1.38	1.55	1.69	1.79
4600	0.00	0.15	0.42	0.73	0.99	1.20	1.41	1.58	1.72	1.83
4700	0.00	0.16	0.43	0.74	1.01	1.23	1.44	1.62	1.76	1.87
4800	0.00	0.16	0.44	0.76	1.03	1.25	1.47	1.65	1.80	1.91
4900	0.00	0.16	0.44	0.78	1.06	1.28	1.50	1.69	1.84	1.95
5000	0.00	0.17	0.45	0.79	1.08	1.30	1.53	1.72	1.87	1.98

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor C<sub>L</sub>

Belt ref.	ISO datum length mm	Corr. factor C <sub>L</sub>
SPA-800	800	0.82
SPA-850	850	0.83
SPA-900	900	0.84
SPA-950	950	0.85
SPA-1000	1000	0.86
SPA-1060	1060	0.87
SPA-1120	1120	0.88
SPA-1180	1180	0.89
SPA-1250	1250	0.90
SPA-1320	1320	0.91
SPA-1400	1400	0.92
SPA-1500	1500	0.93
SPA-1600	1600	0.94
SPA-1700	1700	0.95
SPA-1800	1800	0.96
SPA-1900	1900	0.97
SPA-2000	2000	0.98
SPA-2120	2120	0.99
SPA-2240	2240	1.00
SPA-2360	2360	1.01
SPA-2500	2500	1.02
SPA-2650	2650	1.03
SPA-2800	2800	1.04
SPA-3000	3000	1.05
SPA-3150	3150	1.06
SPA-3350	3350	1.07
SPA-3550	3550	1.08
SPA-3750	3750	1.09
SPA-4000	4000	1.10
SPA-4250	4250	1.11
SPA-4500	4500	1.12

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Basic kW per belt or rib

## SPB-SPB PowerBand®-5V-15J

All values printed in *italics* are for use with Super HC® Moulded Notch construction only.

RPM of faster shaft	112	118	125	132	140	150	160	170	180	190	200	212	224	236	250	265	280
585	2.10	2.39	2.73	3.07	3.46	3.93	4.35	4.86	5.37	5.88	6.38	6.98	7.58	8.17	8.86	9.60	10.33
700	2.38	2.73	3.13	3.52	3.98	4.53	5.08	5.68	6.28	6.87	7.46	8.17	8.87	9.57	10.37	11.23	12.09
725	2.44	2.80	3.21	3.62	4.08	4.66	5.23	5.85	6.47	7.08	7.69	8.42	9.15	9.86	10.70	11.58	12.46
870	2.77	3.19	3.67	4.15	4.70	5.37	6.10	6.83	7.56	8.28	9.00	9.85	10.70	11.54	12.52	13.55	14.57
950	2.94	3.39	3.91	4.43	5.02	5.75	6.57	7.36	8.15	8.92	9.70	10.62	11.53	12.44	13.48	14.59	15.69
1160	3.35	3.89	4.51	5.13	5.83	6.69	7.74	8.69	9.62	10.54	11.46	12.54	13.62	14.68	15.90	17.19	18.46
1450	3.85	4.50	5.25	6.00	6.85	7.89	9.25	10.38	11.50	12.61	13.70	14.99	16.26	17.51	18.94	20.43	21.89
1750	4.29	5.05	5.93	6.81	7.80	9.03	10.67	11.98	13.27	14.53	15.78	17.25	18.68	20.08	21.66	23.30	24.88
2850	5.37	6.50	7.81	9.09	10.54	12.31	14.46	16.20	17.86	19.44	20.95	22.64	24.21	25.65	27.15	28.55	
3450	0.00	6.95	8.44	9.91	11.54	13.54	15.44	17.22	18.87	20.39	21.77	23.24					
100	0.54	0.60	0.66	0.73	0.81	0.91	0.92	1.01	1.11	1.21	1.31	1.43	1.54	1.66	1.79	1.94	2.08
200	0.93	1.04	1.17	1.30	1.45	1.63	1.70	1.89	2.08	2.26	2.45	2.67	2.90	3.12	3.38	3.65	3.92
300	1.28	1.44	1.63	1.81	2.02	2.29	2.43	2.71	2.98	3.25	3.53	3.85	4.18	4.50	4.88	5.28	5.67
400	1.59	1.80	2.04	2.28	2.55	2.90	3.13	3.49	3.85	4.20	4.56	4.98	5.41	5.83	6.32	6.84	7.36
500	1.87	2.13	2.42	2.72	3.05	3.47	3.80	4.24	4.68	5.12	5.56	6.08	6.60	7.11	7.71	8.35	8.98
600	2.14	2.44	2.79	3.13	3.53	4.01	4.45	4.97	5.49	6.01	6.52	7.14	7.75	8.36	9.06	9.81	10.56
700	2.38	2.73	3.13	3.52	3.98	4.53	5.08	5.68	6.28	6.87	7.46	8.17	8.87	9.57	10.37	11.23	12.09
800	2.61	3.00	3.45	3.90	4.41	5.03	5.69	6.37	7.04	7.71	8.38	9.17	9.96	10.74	11.65	12.61	13.56
900	2.83	3.26	3.76	4.26	4.82	5.52	6.28	7.03	7.78	8.53	9.26	10.14	11.02	11.88	12.88	13.94	14.99
1000	3.04	3.51	4.06	4.60	5.22	5.98	6.86	7.68	8.50	9.32	10.13	11.09	12.04	12.99	14.08	15.23	16.37
1100	3.24	3.75	4.34	4.93	5.60	6.43	7.42	8.31	9.21	10.09	10.97	12.01	13.04	14.06	15.23	16.47	17.69
1200	3.42	3.97	4.62	5.25	5.97	6.87	7.96	8.93	9.89	10.84	11.78	12.90	14.00	15.09	16.34	17.67	18.97
1300	3.60	4.19	4.88	5.56	6.33	7.29	8.49	9.52	10.55	11.56	12.57	13.76	14.93	16.09	17.41	18.81	20.18
1400	3.76	4.40	5.13	5.85	6.68	7.69	9.00	10.10	11.19	12.27	13.33	14.59	15.83	17.04	18.44	19.91	21.34
1500	3.92	4.59	5.37	6.14	7.01	8.09	9.50	10.66	11.81	12.94	14.06	15.39	16.69	17.96	19.42	20.95	22.43
1600	4.07	4.78	5.60	6.42	7.34	8.47	9.98	11.20	12.41	13.60	14.77	16.15	17.51	18.84	20.35	21.93	23.46
1700	4.22	4.96	5.83	6.68	7.65	8.84	10.44	11.72	12.99	14.23	15.45	16.89	18.30	19.67	21.24	22.86	24.43
1800	4.35	5.14	6.04	6.94	7.95	9.20	10.89	12.23	13.54	14.83	16.10	17.59	19.05	20.46	22.07	23.73	25.32
1900	4.48	5.30	6.25	7.18	8.24	9.55	11.32	12.71	14.07	15.41	16.72	18.26	19.76	21.21	22.85	24.53	26.14
2000	4.60	5.46	6.44	7.42	8.53	9.89	11.73	13.17	14.58	15.96	17.31	18.89	20.42	21.91	23.57	25.27	26.89
2100	4.72	5.61	6.63	7.65	8.80	10.21	12.12	13.61	15.07	16.49	17.87	19.49	21.05	22.55	24.23	25.94	27.55
2200	4.83	5.75	6.82	7.87	9.06	10.53	12.50	14.03	15.53	16.98	18.40	20.04	21.63	23.15	24.84	26.55	28.14
2300	4.93	5.88	6.99	8.08	9.31	10.83	12.86	14.43	15.96	17.45	18.89	20.56	22.16	23.69	25.38	27.07	28.64
2400	5.02	6.01	7.16	8.29	9.56	11.13	13.19	14.80	16.37	17.88	19.35	21.04	22.65	24.18	25.86	27.53	29.05
2500	5.11	6.13	7.31	8.48	9.79	11.41	13.51	15.16	16.75	18.29	19.77	21.47	23.09	24.61	26.27	27.90	29.36
2600	5.19	6.25	7.47	8.67	10.02	11.68	13.81	15.48	17.10	18.66	20.15	21.86	23.47	24.99	26.61	28.19	29.59
2700	5.27	6.36	7.61	8.84	10.23	11.94	14.09	15.79	17.43	19.00	20.50	22.21	23.81	25.30	26.89	28.40	29.71
2800	5.34	6.46	7.74	9.01	10.44	12.19	14.34	16.07	17.72	19.30	20.81	22.51	24.09	25.55	27.08	28.52	
2900	5.40	6.55	7.87	9.17	10.64	12.43	14.58	16.32	17.99	19.57	21.07	22.76	24.32	25.73	27.21		
3000	5.46	6.64	7.99	9.32	10.82	12.65	14.79	16.55	18.22	19.81	21.30	22.96	24.49	25.85	27.25		
3100		6.72	8.10	9.47	11.00	12.87	14.97	16.74	18.42	20.00	21.48	23.12	24.59	25.91			
3200		6.79	8.21	9.60	11.17	13.08	15.14	16.92	18.59	20.16	21.62	23.22	24.64	25.89			
3300			8.31	9.73	11.33	13.27	15.28	17.06	18.73	20.28	21.71	23.27	24.63				
3400			8.40	9.85	11.47	13.45	15.39	17.17	18.83	20.36	21.76	23.26	24.55				
3500				9.96	11.61	13.62	15.49	17.26	18.90	20.40	21.76	23.20					
3600					11.74	13.78	15.55	17.31	18.93	20.40	21.71	23.08					
3700						13.93	15.59	17.33	18.92	20.35	21.62						
3800							15.60	17.32	18.88	20.26	21.47						
3900							15.58	17.28	18.79	20.13							

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

### Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{228728}$	0	$\frac{d \times \text{RPM}}{242248}$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Additional kW per belt or rib for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	>3.38
585	0.00	0.04	0.12	0.20	0.28	0.34	0.39	0.44	0.48	0.51
700	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.53	0.58	0.61
725	0.00	0.05	0.14	0.25	0.34	0.42	0.49	0.55	0.60	0.63
870	0.00	0.06	0.17	0.30	0.41	0.50	0.59	0.66	0.72	0.76
950	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.72	0.78	0.83
1160	0.00	0.09	0.23	0.40	0.55	0.67	0.78	0.88	0.96	1.01
1450	0.00	0.11	0.29	0.50	0.69	0.83	0.98	1.10	1.20	1.27
1750	0.00	0.13	0.35	0.61	0.83	1.01	1.18	1.32	1.44	1.53
2850	0.00	0.21	0.57	0.99	1.35	1.64	1.92	2.16	2.35	2.49
3450	0.00	0.25	0.69	1.20	1.63	1.98	2.32	2.61	2.85	3.01
100	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.09
200	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
300	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.23	0.25	0.26
400	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
500	0.00	0.04	0.10	0.17	0.24	0.29	0.34	0.38	0.41	0.44
600	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
700	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.53	0.58	0.61
800	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.66	0.70
900	0.00	0.07	0.18	0.31	0.43	0.52	0.61	0.68	0.74	0.79
1000	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.76	0.82	0.87
1100	0.00	0.08	0.22	0.38	0.52	0.63	0.74	0.83	0.91	0.96
1200	0.00	0.09	0.24	0.42	0.57	0.69	0.81	0.91	0.99	1.05
1300	0.00	0.10	0.26	0.45	0.62	0.75	0.87	0.98	1.07	1.14
1400	0.00	0.10	0.28	0.49	0.66	0.80	0.94	1.06	1.15	1.22
1500	0.00	0.11	0.30	0.52	0.71	0.86	1.01	1.14	1.24	1.31
1600	0.00	0.12	0.32	0.56	0.76	0.92	1.08	1.21	1.32	1.40
1700	0.00	0.12	0.34	0.59	0.81	0.98	1.14	1.29	1.40	1.49
1800	0.00	0.13	0.36	0.63	0.85	1.03	1.21	1.36	1.48	1.57
1900	0.00	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
2000	0.00	0.15	0.40	0.70	0.95	1.15	1.35	1.51	1.65	1.75
2100	0.00	0.15	0.42	0.73	1.00	1.21	1.41	1.59	1.73	1.83
2200	0.00	0.16	0.44	0.77	1.04	1.26	1.48	1.67	1.81	1.92
2300	0.00	0.17	0.46	0.80	1.09	1.32	1.55	1.74	1.90	2.01
2400	0.00	0.18	0.48	0.84	1.14	1.38	1.61	1.82	1.98	2.10
2500	0.00	0.18	0.50	0.87	1.18	1.44	1.68	1.89	2.06	2.18
2600	0.00	0.19	0.52	0.91	1.23	1.49	1.75	1.97	2.14	2.27
2700	0.00	0.20	0.54	0.94	1.28	1.55	1.82	2.04	2.23	2.36
2800	0.00	0.21	0.56	0.97	1.33	1.61	1.88	2.12	2.31	2.45
2900	0.00	0.21	0.58	1.01	1.37	1.67	1.95	2.20	2.39	2.53
3000	0.00	0.22	0.60	1.04	1.42	1.72	2.02	2.27	2.47	2.62
3100	0.00	0.23	0.62	1.08	1.47	1.78	2.09	2.35	2.56	2.71
3200	0.00	0.23	0.64	1.11	1.52	1.84	2.15	2.42	2.64	2.80
3300	0.00	0.24	0.66	1.15	1.56	1.90	2.22	2.50	2.72	2.88
3400	0.00	0.25	0.68	1.18	1.61	1.95	2.29	2.57	2.80	2.97
3500	0.00	0.26	0.70	1.22	1.66	2.01	2.35	2.65	2.89	3.06
3600	0.00	0.26	0.72	1.25	1.71	2.07	2.42	2.73	2.97	3.14
3700	0.00	0.27	0.74	1.29	1.75	2.13	2.49	2.80	3.05	3.23
3800	0.00	0.28	0.76	1.32	1.80	2.18	2.56	2.88	3.13	3.32
3900	0.00	0.29	0.78	1.36	1.85	2.24	2.62	2.95	3.22	3.41

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor C<sub>L</sub>

Belt ref.	ISO datum length mm	Corr. factor C <sub>L</sub>	Belt ref.	RMA effective length mm	Corr. factor C <sub>L</sub>
SPB-1250	1250	0.85	5V-500	1270	0.85
SPB-1320	1320	0.86	5V-530	1345	0.86
SPB-1400	1400	0.87	5V-560	1420	0.87
SPB-1500	1500	0.88	5V-600	1525	0.88
SPB-1600	1600	0.89	5V-630	1600	0.89
SPB-1700	1700	0.90	5V-670	1700	0.90
SPB-1800	1800	0.91	5V-710	1805	0.91
SPB-1900	1900	0.92	5V-750	1905	0.92
SPB-2000	2000	0.93	5V-800	2030	0.93
SPB-2120	2120	0.93	5V-850	2160	0.94
SPB-2240	2240	0.94	5V-900	2285	0.95
SPB-2360	2360	0.95	5V-950	2415	0.96
SPB-2500	2500	0.96	5V-1000	2540	0.96
SPB-2650	2650	0.97	5V-1060	2690	0.97
SPB-2800	2800	0.98	5V-1120	2845	0.98
SPB-3000	3000	0.99	5V-1180	2995	0.99
SPB-3150	3150	1.00	5V-1250	3175	1.00
SPB-3350	3350	1.01	5V-1320	3355	1.01
SPB-3550	3550	1.02	5V-1400	3555	1.02
SPB-3750	3750	1.03	5V-1500	3810	1.03
SPB-4000	4000	1.04	5V-1600	4065	1.04
SPB-4250	4250	1.05	5V-1700	4320	1.05
SPB-4500	4500	1.06	5V-1800	4570	1.06
SPB-4750	4750	1.07	5V-1900	4825	1.07
SPB-5000	5000	1.07	5V-2000	5080	1.08
SPB-5300	5300	1.08	5V-2120	5385	1.09
SPB-5600	5600	1.09	5V-2240	5690	1.09
SPB-6000	6000	1.10	5V-2360	5995	1.10
SPB-6300	6300	1.11	5V-2500	6350	1.11
SPB-6700	6700	1.12	5V-2650	6730	1.12
SPB-7100	7100	1.13	5V-2800	7110	1.13
SPB-7500	7500	1.14	5V-3000	7620	1.14
SPB-8000	8000	1.15	5V-3150	8000	1.15
			5V-3550	9015	1.17

The sizes printed in colour are available as 15J PowerBand®.

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Basic kW per belt

## SPC-SPC PowerBand®

All values printed in *italics* are for use with Super HC® Moulded Notch construction only.

RPM of faster shaft	180	190	200	224	236	250	265	280	300	315	335	355	375	400	425	450	475
585	7.24	8.01	8.78	10.59	11.49	12.4	13.8	15.1	16.9	18.2	20.0	21.7	23.4	25.5	27.6	29.7	31.8
700	8.23	9.13	10.02	12.13	13.17	14.4	16.0	17.6	19.7	21.2	23.2	25.2	27.2	29.7	32.1	34.5	36.8
725	8.43	9.36	10.28	12.45	13.53	14.9	16.5	18.1	20.2	21.8	23.9	26.0	28.0	30.6	33.0	35.5	37.9
870	9.57	10.65	11.72	14.24	15.49	17.2	19.2	21.0	23.5	25.3	27.8	30.1	32.5	35.3	38.2	40.9	43.6
950	10.16	11.32	12.46	15.18	16.51	18.5	20.5	22.6	25.2	27.2	29.8	32.3	34.8	37.8	40.7	43.6	46.4
1160	11.57	12.93	14.28	17.46	19.02	21.6	24.0	26.3	29.4	31.6	34.5	37.4	40.2	43.5	46.7	49.8	52.7
1450	13.26	14.89	16.49	20.25	22.09	25.3	28.0	30.7	34.2	36.7	40.0	43.1	46.0	49.5	52.7	55.7	58.4
1750	14.73	16.59	18.43	22.73	24.81	28.3	31.3	34.2	37.9	40.6	43.9	47.0	49.8	53.0	55.7		
2850						31.1	33.6										
3450																	
50	1.03	1.12	1.21	1.42	1.52	1.4	1.5	1.7	1.9	2.0	2.2	2.4	2.5	2.8	3.0	3.2	3.4
100	1.83	2.00	2.16	2.55	2.75	2.6	2.9	3.1	3.5	3.8	4.1	4.4	4.8	5.2	5.7	6.1	6.5
150	2.54	2.78	3.01	3.57	3.85	3.8	4.1	4.5	5.0	5.4	5.9	6.4	6.9	7.6	8.2	8.8	9.4
200	3.20	3.50	3.81	4.53	4.88	4.9	5.4	5.9	6.5	7.0	7.7	8.4	9.0	9.8	10.7	11.5	12.3
250	3.81	4.18	4.55	5.42	5.86	5.9	6.5	7.2	8.0	8.6	9.4	10.2	11.0	12.0	13.0	14.0	15.0
300	4.39	4.82	5.25	6.28	6.79	7.0	7.7	8.4	9.4	10.1	11.1	12.0	13.0	14.2	15.4	16.5	17.7
350	4.94	5.43	5.93	7.10	7.68	8.0	8.8	9.7	10.8	11.6	12.7	13.8	14.9	16.3	17.6	19.0	20.3
400	5.46	6.02	6.58	7.89	8.54	8.9	9.9	10.9	12.1	13.1	14.3	15.6	16.8	18.3	19.9	21.4	22.9
450	5.97	6.58	7.20	8.65	9.37	9.9	11.0	12.0	13.4	14.5	15.9	17.3	18.6	20.3	22.0	23.7	25.4
500	6.45	7.13	7.80	9.39	10.18	10.8	12.0	13.2	14.7	15.9	17.4	18.9	20.4	22.3	24.2	26.0	27.8
550	6.92	7.65	8.38	10.10	10.96	11.8	13.1	14.3	16.0	17.3	18.9	20.6	22.2	24.2	26.2	28.2	30.2
600	7.37	8.16	8.94	10.80	11.72	12.7	14.1	15.4	17.2	18.6	20.4	22.2	23.9	26.1	28.2	30.4	32.4
650	7.81	8.65	9.49	11.47	12.45	13.6	15.0	16.5	18.5	19.9	21.8	23.7	25.6	27.9	30.2	32.4	34.7
700	8.23	9.13	10.02	12.13	13.17	14.4	16.0	17.6	19.7	21.2	23.2	25.2	27.2	29.7	32.1	34.5	36.8
750	8.64	9.59	10.54	12.77	13.87	15.3	17.0	18.6	20.8	22.5	24.6	26.7	28.8	31.4	34.0	36.4	38.9
800	9.03	10.04	11.04	13.40	14.56	16.1	17.9	19.6	22.0	23.7	25.9	28.2	30.4	33.1	35.7	38.3	40.9
850	9.42	10.48	11.53	14.00	15.23	16.9	18.8	20.6	23.1	24.9	27.3	29.6	31.9	34.7	37.5	40.2	42.8
900	9.79	10.90	12.00	14.60	15.88	17.7	19.7	21.6	24.2	26.0	28.5	31.0	33.4	36.3	39.1	41.9	44.6
950	10.16	11.32	12.46	15.18	16.51	18.5	20.5	22.6	25.2	27.2	29.8	32.3	34.8	37.8	40.7	43.6	46.4
1000	10.51	11.72	12.92	15.74	17.13	19.3	21.4	23.5	26.3	28.3	31.0	33.6	36.1	39.3	42.3	45.2	48.1
1050	10.85	12.11	13.35	16.29	17.74	20.0	22.2	24.4	27.3	29.4	32.1	34.8	37.5	40.7	43.8	46.7	49.6
1100	11.18	12.49	13.78	16.83	18.33	20.7	23.0	25.3	28.2	30.4	33.2	36.0	38.7	42.0	45.2	48.2	51.1
1150	11.51	12.86	14.20	17.36	18.91	21.4	23.8	26.1	29.2	31.4	34.3	37.2	39.9	43.3	46.5	49.5	52.5
1200	11.82	13.22	14.61	17.87	19.47	22.1	24.6	27.0	30.1	32.4	35.4	38.3	41.1	44.5	47.7	50.8	53.7
1250	12.13	13.57	15.00	18.37	20.02	22.8	25.3	27.8	31.0	33.3	36.4	39.3	42.2	45.6	48.9	52.0	54.9
1300	12.42	13.92	15.39	18.86	20.56	23.4	26.0	28.5	31.8	34.2	37.3	40.3	43.2	46.7	50.0	53.1	55.9
1350	12.71	14.25	15.77	19.34	21.09	24.1	26.7	29.3	32.6	35.1	38.3	41.3	44.2	47.7	51.0	54.0	56.9
1400	12.99	14.57	16.13	19.80	21.60	24.7	27.4	30.0	33.4	35.9	39.1	42.2	45.2	48.6	51.9	54.9	57.7
1450	13.26	14.89	16.49	20.25	22.09	25.3	28.0	30.7	34.2	36.7	40.0	43.1	46.0	49.5	52.7	55.7	58.4
1500	13.53	15.19	16.84	20.70	22.58	25.8	28.6	31.4	34.9	37.5	40.7	43.9	46.8	50.3	53.5	56.4	58.9
1550	13.78	15.49	17.18	21.13	23.05	26.4	29.2	32.0	35.6	38.2	41.5	44.6	47.6	51.0	54.1	56.9	59.4
1600	14.03	15.78	17.50	21.54	23.51	26.9	29.8	32.6	36.2	38.8	42.1	45.3	48.2	51.6	54.7	57.4	59.7
1650	14.27	16.06	17.82	21.95	23.96	27.4	30.3	33.2	36.8	39.5	42.8	45.9	48.8	52.1	55.1	57.7	
1700	14.50	16.33	18.13	22.34	24.39	27.8	30.8	33.7	37.4	40.0	43.4	46.5	49.3	52.6	55.4		
1750	14.73	16.59	18.43	22.73	24.81	28.3	31.3	34.2	37.9	40.6	43.9	47.0	49.8	53.0	55.7		
1800	14.95	16.85	18.72	23.10	25.22	28.7	31.8	34.7	38.4	41.1	44.4	47.4	50.2	53.2			
1850	15.15	17.10	19.00	23.46	25.62	29.1	32.2	35.1	38.9	41.5	44.8	47.8	50.5	53.4			
1900	15.36	17.33	19.28	23.81	26.00	29.5	32.6	35.5	39.3	41.9	45.1	48.1	50.7	53.5			
1950	15.55	17.56	19.54	24.15	26.37	29.8	32.9	35.9	39.6	42.2	45.4	48.3	50.8				
2000	15.74	17.78	19.80	24.47	26.73	30.1	33.3	36.3	40.0	42.5	45.7	48.5	50.9				
2050	15.92	18.00	20.04	24.79	27.08	30.4	33.6	36.6	40.2	42.8	45.8	48.5					
2100	16.09	18.20	20.28	25.09	27.41	30.7	33.9	36.8	40.5	43.0	46.0	48.6					
2150	16.25	18.40	20.50	25.38	27.73	30.9	34.1	37.0	40.6	43.1	46.0	48.5					
2200	16.41	18.59	20.72	25.66	28.03	31.2	34.3	37.2	40.8	43.2	46.0						
2250	16.56	18.77	20.93	25.93	28.33	31.3	34.5	37.4	40.9	43.2	45.9						
2300	16.70	18.94	21.13	26.19	28.61	31.5	34.6	37.5	40.9	43.2							
2350	16.84	19.10	21.32	26.43	28.87	31.6	34.7	37.5	40.9	43.1							
2400		19.26	21.50	26.66	29.13	31.7	34.8	37.6	40.8	42.9							
2450			21.67	26.88	29.37	31.8	34.8	37.5	40.7								
2500			21.84	27.09	29.59	31.8	34.8	37.5	40.6								

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

## Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{128090}$	0	$\frac{d \times \text{RPM}}{135630}$

# POWER RATINGS SUPER HC® MN / SUPER HC®

## Additional kW per belt for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	>3.38
585	0.00	0.12	0.32	0.55	0.75	0.91	1.07	1.20	1.31	1.39
700	0.00	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
725	0.00	0.14	0.39	0.69	0.93	1.13	1.32	1.49	1.62	1.72
870	0.00	0.17	0.47	0.82	1.12	1.36	1.59	1.79	1.95	2.06
950	0.00	0.19	0.52	0.90	1.22	1.48	1.74	1.95	2.13	2.25
1160	0.00	0.23	0.63	1.10	1.49	1.81	2.12	2.38	2.60	2.75
1450	0.00	0.29	0.79	1.37	1.87	2.26	2.65	2.98	3.25	3.44
1750	0.00	0.35	0.95	1.65	2.25	2.73	3.20	3.60	3.92	4.15
2850	0.00	0.57	1.55	2.69	3.67	4.44	5.21	5.86	6.38	6.76
3450	0.00	0.69	1.87	3.26	4.44	5.38	6.30	7.09	7.73	8.18
50	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
100	0.00	0.02	0.05	0.09	0.13	0.16	0.18	0.21	0.22	0.24
150	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.31	0.34	0.36
200	0.00	0.04	0.11	0.19	0.26	0.31	0.37	0.41	0.45	0.47
250	0.00	0.05	0.14	0.24	0.32	0.39	0.46	0.51	0.56	0.59
300	0.00	0.06	0.16	0.28	0.39	0.47	0.55	0.62	0.67	0.71
350	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.72	0.78	0.83
400	0.00	0.08	0.22	0.38	0.51	0.62	0.73	0.82	0.90	0.95
450	0.00	0.09	0.24	0.43	0.58	0.70	0.82	0.93	1.01	1.07
500	0.00	0.10	0.27	0.47	0.64	0.78	0.91	1.03	1.12	1.19
550	0.00	0.11	0.30	0.52	0.71	0.86	1.00	1.13	1.23	1.30
600	0.00	0.12	0.33	0.57	0.77	0.94	1.10	1.23	1.34	1.42
650	0.00	0.13	0.35	0.61	0.84	1.01	1.19	1.34	1.46	1.54
700	0.00	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
750	0.00	0.15	0.41	0.71	0.97	1.17	1.37	1.54	1.68	1.78
800	0.00	0.16	0.43	0.76	1.03	1.25	1.46	1.64	1.79	1.90
850	0.00	0.17	0.46	0.80	1.09	1.33	1.55	1.75	1.90	2.02
900	0.00	0.18	0.49	0.85	1.16	1.40	1.64	1.85	2.02	2.13
950	0.00	0.19	0.52	0.90	1.22	1.48	1.74	1.95	2.13	2.25
1000	0.00	0.20	0.54	0.95	1.29	1.56	1.83	2.06	2.24	2.37
1050	0.00	0.21	0.57	0.99	1.35	1.64	1.92	2.16	2.35	2.49
1100	0.00	0.22	0.60	1.04	1.42	1.72	2.01	2.26	2.46	2.61
1150	0.00	0.23	0.62	1.09	1.48	1.79	2.10	2.36	2.58	2.73
1200	0.00	0.24	0.65	1.13	1.54	1.87	2.19	2.47	2.69	2.85
1250	0.00	0.25	0.68	1.18	1.61	1.95	2.28	2.57	2.80	2.97
1300	0.00	0.26	0.71	1.23	1.67	2.03	2.37	2.67	2.91	3.08
1350	0.00	0.27	0.73	1.28	1.74	2.11	2.47	2.78	3.02	3.20
1400	0.00	0.28	0.76	1.32	1.80	2.18	2.56	2.88	3.14	3.32
1450	0.00	0.29	0.79	1.37	1.87	2.26	2.65	2.98	3.25	3.44
1500	0.00	0.30	0.81	1.42	1.93	2.34	2.74	3.08	3.36	3.56
1550	0.00	0.31	0.84	1.47	1.99	2.42	2.83	3.19	3.47	3.68
1600	0.00	0.32	0.87	1.51	2.06	2.50	2.92	3.29	3.58	3.80
1650	0.00	0.33	0.89	1.56	2.12	2.57	3.01	3.39	3.70	3.91
1700	0.00	0.34	0.92	1.61	2.19	2.65	3.11	3.49	3.81	4.03
1750	0.00	0.35	0.95	1.65	2.25	2.73	3.20	3.60	3.92	4.15
1800	0.00	0.36	0.98	1.70	2.32	2.81	3.29	3.70	4.03	4.27
1850	0.00	0.37	1.00	1.75	2.38	2.89	3.38	3.80	4.14	4.39
1900	0.00	0.38	1.03	1.80	2.44	2.96	3.47	3.91	4.25	4.51
1950	0.00	0.39	1.06	1.84	2.51	3.04	3.56	4.01	4.37	4.63
2000	0.00	0.40	1.08	1.89	2.57	3.12	3.65	4.11	4.48	4.74
2050	0.00	0.41	1.11	1.94	2.64	3.20	3.74	4.21	4.59	4.86
2100	0.00	0.42	1.14	1.99	2.70	3.28	3.84	4.32	4.70	4.98
2150	0.00	0.43	1.17	2.03	2.77	3.35	3.93	4.42	4.81	5.10
2200	0.00	0.44	1.19	2.08	2.83	3.43	4.02	4.52	4.93	5.22
2250	0.00	0.45	1.22	2.13	2.90	3.51	4.11	4.63	5.04	5.34
2300	0.00	0.46	1.25	2.17	2.96	3.59	4.20	4.73	5.15	5.46
2350	0.00	0.47	1.27	2.22	3.02	3.66	4.29	4.83	5.26	5.57
2400	0.00	0.48	1.30	2.27	3.09	3.74	4.38	4.93	5.37	5.69
2450	0.00	0.49	1.33	2.32	3.15	3.82	4.48	5.04	5.49	5.81
2500	0.00	0.50	1.36	2.36	3.22	3.90	4.57	5.14	5.60	5.93

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor $C_L$

Belt ref.	ISO datum length mm	Corr. factor $C_L$
SPC-2000	2000	0.86
SPC-2120	2120	0.87
SPC-2240	2240	0.88
SPC-2360	2360	0.89
SPC-2500	2500	0.90
SPC-2650	2650	0.90
SPC-2800	2800	0.91
SPC-3000	3000	0.92
SPC-3150	3150	0.93
SPC-3350	3350	0.94
SPC-3550	3550	0.95
SPC-3750	3750	0.96
SPC-4000	4000	0.97
SPC-4250	4250	0.98
SPC-4500	4500	0.98
SPC-4750	4750	0.99
SPC-5000	5000	1.00
SPC-5300	5300	1.01
SPC-5600	5600	1.02
SPC-6000	6000	1.03
SPC-6300	6300	1.03
SPC-6700	6700	1.04
SPC-7100	7100	1.05
SPC-7500	7500	1.06
SPC-8000	8000	1.07
SPC-8500	8500	1.08
SPC-9000	9000	1.09

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$

# POWER RATINGS SUPER HC®

Basic kW per belt or rib

8V-25J

RPM of faster shaft	315	335	355	375	400	425	450	475	500	530	560	600	630	670	710	750	800
585	21.5	24.0	26.4	28.9	31.9	34.9	37.8	40.8	43.6	47.0	50.4	54.8	58.0	62.2	66.2	70.2	75.0
700	24.9	27.8	30.6	33.5	36.9	40.4	43.8	47.1	50.3	54.2	57.9	62.8	66.3	70.9	75.3	79.4	84.4
725	25.6	28.6	31.5	34.4	38.0	41.5	45.0	48.4	51.7	55.6	59.5	64.4	68.0	72.6	77.0	81.2	86.1
870	29.5	32.9	36.3	39.6	43.7	47.7	51.6	55.4	59.1	63.4	67.5	72.7	76.5	81.2	85.6	89.6	
950	31.5	35.2	38.8	42.3	46.6	50.8	54.9	58.8	62.6	67.1	71.3	76.5	80.3	84.8			
1160	36.2	40.4	44.5	48.4	53.2	57.7	62.1	66.2	70.1	74.5	78.6						
1450	41.3	45.9	50.3	54.5	59.5	64.1	68.2										
1750	44.6	49.3	53.6	57.6													
2850																	
3450																	
50	2.5	2.7	3.0	3.2	3.5	3.9	4.2	4.5	4.8	5.2	5.5	6.0	6.4	6.9	7.4	7.9	8.5
100	4.6	5.1	5.6	6.0	6.7	7.3	7.9	8.5	9.1	9.8	10.5	11.5	12.2	13.1	14.0	15.0	16.1
150	6.6	7.3	8.0	8.7	9.6	10.5	11.4	12.3	13.1	14.2	15.2	16.6	17.6	19.0	20.4	21.7	23.4
200	8.5	9.4	10.4	11.3	12.5	13.6	14.8	15.9	17.1	18.4	19.8	21.6	22.9	24.7	26.5	28.2	30.4
250	10.3	11.5	12.6	13.8	15.2	16.6	18.1	19.5	20.9	22.5	24.2	26.4	28.0	30.2	32.3	34.5	37.1
300	12.1	13.5	14.9	16.2	17.9	19.6	21.2	22.9	24.5	26.5	28.5	31.0	33.0	35.5	38.0	40.5	43.6
350	13.9	15.4	17.0	18.6	20.5	22.4	24.3	26.2	28.1	30.4	32.6	35.6	37.8	40.6	43.5	46.3	49.8
400	15.6	17.3	19.1	20.9	23.1	25.2	27.4	29.5	31.6	34.1	36.6	39.9	42.4	45.6	48.8	51.9	55.7
450	17.2	19.2	21.2	23.1	25.5	27.9	30.3	32.7	35.0	37.8	40.5	44.2	46.8	50.3	53.8	57.2	61.4
500	18.8	21.0	23.2	25.3	27.9	30.6	33.2	35.7	38.3	41.3	44.3	48.2	51.1	54.9	58.6	62.3	66.7
550	20.4	22.8	25.1	27.4	30.3	33.1	35.9	38.7	41.5	44.7	47.9	52.1	55.2	59.2	63.2	67.0	71.7
600	21.9	24.5	27.0	29.5	32.6	35.6	38.6	41.6	44.5	48.0	51.4	55.9	59.1	63.4	67.5	71.5	76.3
650	23.4	26.1	28.8	31.5	34.8	38.0	41.2	44.4	47.5	51.2	54.8	59.4	62.8	67.3	71.5	75.6	80.5
700	24.9	27.8	30.6	33.5	36.9	40.4	43.8	47.1	50.3	54.2	57.9	62.8	66.3	70.9	75.3	79.4	84.4
750	26.3	29.3	32.4	35.4	39.0	42.6	46.2	49.7	53.1	57.1	61.0	66.0	69.6	74.3	78.7	82.9	87.8
800	27.7	30.9	34.1	37.2	41.0	44.8	48.5	52.1	55.7	59.8	63.8	68.9	72.6	77.4	81.8	86.0	90.8
850	29.0	32.4	35.7	39.0	43.0	46.9	50.7	54.5	58.1	62.4	66.5	71.7	75.4	80.2	84.6	88.6	
900	30.3	33.8	37.3	40.7	44.8	48.9	52.9	56.7	60.5	64.8	69.0	74.2	78.0	82.7	87.0		
950	31.5	35.2	38.8	42.3	46.6	50.8	54.9	58.8	62.6	67.1	71.3	76.5	80.3	84.8			
1000	32.7	36.5	40.2	43.9	48.3	52.6	56.8	60.8	64.7	69.1	73.4	78.6	82.2				
1050	33.9	37.8	41.6	45.4	49.9	54.3	58.6	62.7	66.6	71.0	75.2	80.4	83.9				
1100	35.0	39.0	43.0	46.8	51.4	55.9	60.2	64.4	68.3	72.7	76.9	81.9					
1150	36.0	40.2	44.2	48.1	52.9	57.4	61.8	65.9	69.9	74.3	78.3						
1200	37.1	41.3	45.4	49.4	54.2	58.8	63.2	67.3	71.2	75.6							
1250	38.0	42.4	46.6	50.6	55.5	60.1	64.5	68.6	72.5	76.7							
1300	38.9	43.3	47.6	51.7	56.6	61.3	65.6	69.7	73.5								
1350	39.8	44.3	48.6	52.8	57.7	62.3	66.7	70.7									
1400	40.6	45.1	49.5	53.7	58.6	63.3	67.5	71.4									
1450	41.3	45.9	50.3	54.5	59.5	64.1	68.2										
1500	42.0	46.7	51.1	55.3	60.2	64.7											
1550	42.6	47.3	51.8	56.0	60.8	65.2											
1600	43.2	47.9	52.4	56.5	61.3												
1650	43.7	48.4	52.9	57.0	61.7												
1700	44.2	48.9	53.3	57.4													
1750	44.6	49.3	53.6	57.6													
1800	44.9	49.6	53.9														
1850	45.1	49.8	54.0														
1900	45.3	49.9															
1950	45.4	49.9															
2000	45.5																
2050	45.4																
2100	45.3																

6  
SHC

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{91575}$	0	$\frac{d \times \text{RPM}}{96993}$

# POWER RATINGS SUPER HC®

## Additional kW per belt or rib for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	>3.38
585	0.00	0.24	0.64	1.12	1.53	1.85	2.17	2.44	2.66	2.82
700	0.00	0.28	0.77	1.34	1.83	2.22	2.60	2.92	3.19	3.37
725	0.00	0.29	0.80	1.39	1.90	2.30	2.69	3.03	3.30	3.50
870	0.00	0.35	0.96	1.67	2.28	2.76	3.23	3.63	3.96	4.19
950	0.00	0.38	1.05	1.83	2.48	3.01	3.53	3.97	4.32	4.58
1160	0.00	0.47	1.28	2.23	3.03	3.68	4.31	4.85	5.28	5.59
1450	0.00	0.59	1.60	2.79	3.79	4.60	5.38	6.06	6.60	6.99
1750	0.00	0.71	1.93	3.36	4.58	5.55	6.50	7.31	7.96	8.44
2850	0.00	1.15	3.14	5.48	7.45	9.03	10.58	11.91	12.97	13.74
3450	0.00	1.40	3.80	6.63	9.02	10.93	12.81	14.41	15.70	16.63
50	0.00	0.02	0.06	0.10	0.13	0.16	0.19	0.21	0.23	0.24
100	0.00	0.04	0.11	0.19	0.26	0.32	0.37	0.42	0.46	0.48
150	0.00	0.06	0.17	0.29	0.39	0.48	0.56	0.63	0.68	0.72
200	0.00	0.08	0.22	0.38	0.52	0.63	0.74	0.84	0.91	0.96
250	0.00	0.10	0.28	0.48	0.65	0.79	0.93	1.04	1.14	1.21
300	0.00	0.12	0.33	0.58	0.78	0.95	1.11	1.25	1.37	1.45
350	0.00	0.14	0.39	0.67	0.92	1.11	1.30	1.46	1.59	1.69
400	0.00	0.16	0.44	0.77	1.05	1.27	1.48	1.67	1.82	1.93
450	0.00	0.18	0.50	0.86	1.18	1.43	1.67	1.88	2.05	2.17
500	0.00	0.20	0.55	0.96	1.31	1.58	1.86	2.09	2.28	2.41
550	0.00	0.22	0.61	1.06	1.44	1.74	2.04	2.30	2.50	2.65
600	0.00	0.24	0.66	1.15	1.57	1.90	2.23	2.51	2.73	2.89
650	0.00	0.26	0.72	1.25	1.70	2.06	2.41	2.72	2.96	3.13
700	0.00	0.28	0.77	1.34	1.83	2.22	2.60	2.92	3.19	3.37
750	0.00	0.30	0.83	1.44	1.96	2.38	2.78	3.13	3.41	3.62
800	0.00	0.32	0.88	1.54	2.09	2.54	2.97	3.34	3.64	3.86
850	0.00	0.34	0.94	1.63	2.22	2.69	3.16	3.55	3.87	4.10
900	0.00	0.36	0.99	1.73	2.35	2.85	3.34	3.76	4.10	4.34
950	0.00	0.38	1.05	1.83	2.48	3.01	3.53	3.97	4.32	4.58
1000	0.00	0.40	1.10	1.92	2.62	3.17	3.71	4.18	4.55	4.82
1050	0.00	0.42	1.16	2.02	2.75	3.33	3.90	4.39	4.78	5.06
1100	0.00	0.44	1.21	2.11	2.88	3.49	4.08	4.60	5.01	5.30
1150	0.00	0.47	1.27	2.21	3.01	3.64	4.27	4.80	5.23	5.54
1200	0.00	0.49	1.32	2.31	3.14	3.80	4.45	5.01	5.46	5.79
1250	0.00	0.51	1.38	2.40	3.27	3.96	4.64	5.22	5.69	6.03
1300	0.00	0.53	1.43	2.50	3.40	4.12	4.83	5.43	5.92	6.27
1350	0.00	0.55	1.49	2.59	3.53	4.28	5.01	5.64	6.14	6.51
1400	0.00	0.57	1.54	2.69	3.66	4.44	5.20	5.85	6.37	6.75
1450	0.00	0.59	1.60	2.79	3.79	4.60	5.38	6.06	6.60	6.99
1500	0.00	0.61	1.65	2.88	3.92	4.75	5.57	6.27	6.83	7.23
1550	0.00	0.63	1.71	2.98	4.05	4.91	5.75	6.48	7.05	7.47
1600	0.00	0.65	1.76	3.07	4.18	5.07	5.94	6.68	7.28	7.71
1650	0.00	0.67	1.82	3.17	4.32	5.23	6.13	6.89	7.51	7.95
1700	0.00	0.69	1.87	3.27	4.45	5.39	6.31	7.10	7.74	8.20
1750	0.00	0.71	1.93	3.36	4.58	5.55	6.50	7.31	7.96	8.44
1800	0.00	0.73	1.98	3.46	4.71	5.71	6.68	7.52	8.19	8.68
1850	0.00	0.75	2.04	3.55	4.84	5.86	6.87	7.73	8.42	8.92
1900	0.00	0.77	2.09	3.65	4.97	6.02	7.05	7.94	8.65	9.16
1950	0.00	0.79	2.15	3.75	5.10	6.18	7.24	8.15	8.88	9.40
2000	0.00	0.81	2.20	3.84	5.23	6.34	7.42	8.36	9.10	9.64
2050	0.00	0.83	2.26	3.94	5.36	6.50	7.61	8.56	9.33	9.88
2100	0.00	0.85	2.31	4.03	5.49	6.66	7.80	8.77	9.56	10.12

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor C<sub>L</sub>

Belt ref.	RMA effective length mm	Corr. factor C <sub>L</sub>
8V-1000	2540	0.87
8V-1060	2690	0.87
8V-1120	2845	0.88
8V-1180	2995	0.89
8V-1250	3175	0.90
8V-1320	3355	0.91
8V-1400	3555	0.92
8V-1500	3810	0.93
8V-1600	4065	0.93
8V-1700	4320	0.94
8V-1800	4570	0.95
8V-1900	4825	0.96
8V-2000	5080	0.97
8V-2120	5385	0.98
8V-2240	5690	0.98
8V-2360	5995	0.99
8V-2500	6350	1.00
8V-2650	6730	1.01
8V-2800	7110	1.02
8V-3000	7620	1.03
8V-3150	8000	1.03
8V-3350	8510	1.05
8V-3550	9015	1.05
8V-3750	9525	1.06
8V-4000	10160	1.07
8V-4500	11430	1.09
8V-4750	12065	1.09
8V-5000	12700	1.10
8V-5600	14225	1.12

The sizes printed in colour are available in 8V PowerBand®.  
8V PowerBands are designed both for use in 8V and 25J pulleys.

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$

# POWER RATINGS SUPER HC®

Basic kW per belt

8VK

RPM of faster shaft	425	437	450	462	475	487	500	515	530	545	560	600	630	670	710	750	800
585	41.3	43.8	46.5	49.0	51.7	54.2	56.9	59.9	63.0	66.0	69.0	77.0	82.8	90.6	98.1	105.6	114.7
700	47.4	50.3	53.5	56.4	59.5	62.3	65.4	68.9	72.4	75.9	79.4	88.4	95.1	103.8	112.3	120.6	130.6
725	48.7	51.7	54.9	57.9	61.1	64.0	67.2	70.8	74.4	78.0	81.5	90.8	97.6	106.5	115.2	123.6	133.8
870	55.5	58.9	62.6	66.0	69.7	73.0	76.6	80.7	84.8	88.8	92.8	103.2	110.7	120.5	129.8	138.8	149.5
950	58.8	62.5	66.5	70.1	74.0	77.5	81.3	85.6	89.9	94.1	98.3	109.1	116.9	127.0	136.5	145.6	156.2
1160	66.3	70.5	74.9	79.0	83.3	87.2	91.4	96.2	100.8	105.4	109.8	121.3	129.3				
1450	73.0	77.5	82.3	86.7	91.3	95.4	99.8	104.6									
1750	74.8																
2850																	
3450																	
50	5.0	5.3	5.6	5.8	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.8	9.5	10.3	11.2	12.0	13.1
100	9.3	9.8	10.3	10.8	11.3	11.8	12.4	13.0	13.6	14.2	14.9	16.5	17.7	19.4	21.0	22.6	24.6
150	13.2	13.9	14.7	15.4	16.2	17.0	17.7	18.7	19.6	20.5	21.4	23.8	25.6	27.9	30.3	32.7	35.6
200	16.9	17.9	18.9	19.9	20.9	21.8	22.9	24.1	25.2	26.4	27.6	30.7	33.0	36.1	39.2	42.3	46.1
250	20.5	21.6	22.9	24.1	25.4	26.5	27.8	29.2	30.7	32.1	33.6	37.4	40.3	44.1	47.8	51.6	56.2
300	23.9	25.3	26.8	28.2	29.7	31.0	32.5	34.3	36.0	37.7	39.4	43.9	47.2	51.7	56.1	60.5	66.0
350	27.2	28.8	30.5	32.1	33.8	35.4	37.1	39.1	41.1	43.0	45.0	50.2	54.0	59.1	64.2	69.2	75.4
400	30.4	32.2	34.1	35.9	37.9	39.7	41.6	43.8	46.0	48.2	50.4	56.2	60.5	66.3	71.9	77.5	84.4
450	33.5	35.5	37.6	39.6	41.8	43.8	45.9	48.4	50.8	53.2	55.7	62.1	66.9	73.2	79.4	85.5	93.1
500	36.5	38.7	41.0	43.2	45.6	47.7	50.1	52.8	55.5	58.1	60.8	67.8	73.0	79.8	86.6	93.3	101.5
550	39.3	41.7	44.3	46.7	49.2	51.6	54.1	57.0	59.9	62.8	65.7	73.3	78.9	86.2	93.5	100.6	109.4
600	42.1	44.7	47.5	50.0	52.8	55.3	58.0	61.2	64.3	67.4	70.4	78.5	84.5	92.4	100.1	107.7	116.9
650	44.8	47.6	50.5	53.3	56.2	58.9	61.8	65.1	68.4	71.7	75.0	83.6	89.9	98.2	106.4	114.3	124.0
700	47.4	50.3	53.5	56.4	59.5	62.3	65.4	68.9	72.4	75.9	79.4	88.4	95.1	103.8	112.3	120.6	130.6
750	49.9	53.0	56.3	59.4	62.7	65.7	68.9	72.6	76.3	79.9	83.6	93.0	100.0	109.1	117.9	126.5	136.8
800	52.3	55.5	59.0	62.2	65.7	68.8	72.2	76.1	80.0	83.8	87.5	97.4	104.7	114.0	123.1	131.9	142.5
850	54.6	58.0	61.6	65.0	68.6	71.9	75.4	79.5	83.5	87.4	91.3	101.6	109.0	118.7	128.0	137.0	147.6
900	56.8	60.3	64.1	67.6	71.3	74.8	78.4	82.6	86.8	90.9	94.9	105.5	113.1	123.0	132.5	141.5	152.2
950	58.8	62.5	66.5	70.1	74.0	77.5	81.3	85.6	89.9	94.1	98.3	109.1	116.9	127.0	136.5	145.6	156.2
1000	60.8	64.6	68.7	72.4	76.4	80.1	84.0	88.4	92.8	97.2	101.4	112.4	120.4	130.5	140.1	149.2	
1050	62.6	66.6	70.8	74.6	78.7	82.5	86.5	91.1	95.6	100.0	104.3	115.5	123.6	133.8	143.3		
1100	64.4	68.4	72.7	76.7	80.9	84.7	88.8	93.5	98.1	102.6	107.0	118.3	126.4	136.6			
1150	66.0	70.1	74.6	78.6	82.9	86.8	91.0	95.7	100.4	104.9	109.4	120.8	128.9				
1200	67.5	71.7	76.2	80.3	84.7	88.7	93.0	97.8	102.5	107.1	111.6	123.0	131.0				
1250	68.8	73.2	77.8	81.9	86.4	90.4	94.7	99.6	104.3	108.9	113.4	124.8					
1300	70.1	74.5	79.1	83.4	87.9	92.0	96.3	101.2	106.0	110.6	115.1						
1350	71.2	75.6	80.4	84.7	89.2	93.3	97.7	102.6	107.3	111.9	116.4						
1400	72.1	76.6	81.4	85.8	90.3	94.5	98.8	103.7	108.5	113.0							
1450	73.0	77.5	82.3	86.7	91.3	95.4	99.8	104.6									
1500	73.6	78.2	83.1	87.4	92.0	96.1	100.5										
1550	74.2	78.8	83.6	88.0	92.6	96.7											
1600	74.5	79.2	84.0	88.4	92.9												
1650	74.8	79.4															
1700	74.8	79.4															
1750	74.8																

For speeds over 30 m/s we recommend that pulleys be dynamically balanced.

Additional kW per belt for belt life

C	25000 Hrs	12000 Hrs	6000 Hrs
	$\frac{d \times \text{RPM}}{51099}$	0	$\frac{d \times \text{RPM}}{54141}$

# POWER RATINGS SUPER HC®

## Additional kW per belt for speed ratio

RPM of faster shaft	1 to 1.01	1.02 to 1.03	1.04 to 1.05	1.06 to 1.08	1.09 to 1.11	1.12 to 1.15	1.16 to 1.21	1.22 to 1.29	1.3 to 1.46	>1.46
585	0.00	0.51	1.02	1.53	2.04	2.55	3.06	3.57	4.08	4.60
700	0.00	0.61	1.23	1.83	2.45	3.05	3.66	4.28	4.89	5.50
725	0.00	0.63	1.27	1.90	2.53	3.16	3.80	4.43	5.06	5.70
870	0.00	0.76	1.52	2.28	3.04	3.80	4.55	5.31	6.07	6.84
950	0.00	0.83	1.66	2.49	3.32	4.15	4.97	5.80	6.63	7.47
1160	0.00	1.01	2.03	3.03	4.05	5.06	6.07	7.09	8.10	9.12
1450	0.00	1.26	2.54	3.79	5.07	6.33	7.59	8.86	10.12	11.40
1750	0.00	1.52	3.06	4.58	6.11	7.64	9.16	10.69	12.22	13.76
2850	0.00	2.48	4.99	7.46	9.96	12.44	14.92	17.41	19.90	22.41
3450	0.00	3.00	6.04	9.03	12.05	15.06	18.06	21.07	24.09	27.13
50	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.31	0.35	0.39
100	0.00	0.09	0.18	0.26	0.35	0.44	0.52	0.61	0.70	0.79
150	0.00	0.13	0.26	0.39	0.52	0.65	0.79	0.92	1.05	1.18
200	0.00	0.17	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57
250	0.00	0.22	0.44	0.65	0.87	1.09	1.31	1.53	1.75	1.97
300	0.00	0.26	0.53	0.78	1.05	1.31	1.57	1.83	2.09	2.36
350	0.00	0.30	0.61	0.92	1.22	1.53	1.83	2.14	2.44	2.75
400	0.00	0.35	0.70	1.05	1.40	1.75	2.09	2.44	2.79	3.14
450	0.00	0.39	0.79	1.18	1.57	1.96	2.36	2.75	3.14	3.54
500	0.00	0.43	0.88	1.31	1.75	2.18	2.62	3.05	3.49	3.93
550	0.00	0.48	0.96	1.44	1.92	2.40	2.88	3.36	3.84	4.32
600	0.00	0.52	1.05	1.57	2.10	2.62	3.14	3.66	4.19	4.72
650	0.00	0.56	1.14	1.70	2.27	2.84	3.40	3.97	4.54	5.11
700	0.00	0.61	1.23	1.83	2.45	3.05	3.66	4.28	4.89	5.50
750	0.00	0.65	1.31	1.96	2.62	3.27	3.93	4.58	5.24	5.90
800	0.00	0.70	1.40	2.09	2.80	3.49	4.19	4.89	5.59	6.29
850	0.00	0.74	1.49	2.22	2.97	3.71	4.45	5.19	5.93	6.68
900	0.00	0.78	1.58	2.35	3.14	3.93	4.71	5.50	6.28	7.08
950	0.00	0.83	1.66	2.49	3.32	4.15	4.97	5.80	6.63	7.47
1000	0.00	0.87	1.75	2.62	3.49	4.36	5.24	6.11	6.98	7.86
1050	0.00	0.91	1.84	2.75	3.67	4.58	5.50	6.41	7.33	8.26
1100	0.00	0.96	1.93	2.88	3.84	4.80	5.76	6.72	7.68	8.65
1150	0.00	1.00	2.01	3.01	4.02	5.02	6.02	7.02	8.03	9.04
1200	0.00	1.04	2.10	3.14	4.19	5.24	6.28	7.33	8.38	9.43
1250	0.00	1.09	2.19	3.27	4.37	5.45	6.54	7.64	8.73	9.83
1300	0.00	1.13	2.28	3.40	4.54	5.67	6.81	7.94	9.08	10.22
1350	0.00	1.17	2.36	3.53	4.72	5.89	7.07	8.25	9.42	10.61
1400	0.00	1.22	2.45	3.66	4.89	6.11	7.33	8.55	9.77	11.01
1450	0.00	1.26	2.54	3.79	5.07	6.33	7.59	8.86	10.12	11.40
1500	0.00	1.30	2.63	3.92	5.24	6.55	7.85	9.16	10.47	11.79
1550	0.00	1.35	2.71	4.06	5.42	6.76	8.12	9.47	10.82	12.19
1600	0.00	1.39	2.80	4.19	5.59	6.98	8.38	9.77	11.17	12.58
1650	0.00	1.43	2.89	4.32	5.76	7.20	8.64	10.08	11.52	12.97
1700	0.00	1.48	2.98	4.45	5.94	7.42	8.90	10.38	11.87	13.37
1750	0.00	1.52	3.06	4.58	6.11	7.64	9.16	10.69	12.22	13.76

## Arc of contact correction factor G

$\frac{D-d}{A}$	Arc of contact on small pulley (degrees)	Factor G
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

## Belt length correction factor C<sub>L</sub>

Belt ref.	RMA effective length mm	Corr. factor C <sub>L</sub>
8VK-1250	3175	0.90
8VK-1320	3355	0.91
8VK-1400	3555	0.92
8VK-1500	3810	0.93
8VK-1600	4065	0.93
8VK-1700	4320	0.94
8VK-1800	4570	0.95
8VK-1900	4825	0.96
8VK-2000	5080	0.97
8VK-2120	5385	0.98
8VK-2240	5690	0.98
8VK-2360	5995	0.99
8VK-2500	6350	1.00
8VK-2650	6730	1.01
8VK-2800	7110	1.02
8VK-3000	7620	1.03
8VK-3150	8000	1.03
8VK-3350	8510	1.05
8VK-3550	9015	1.05
8VK-3750	9525	1.06
8VK-4000	10160	1.07
8VK-4500	11430	1.09
8VK-4750	12065	1.09
8VK-5000	12700	1.10
8VK-5600	14225	1.12

We recommend that all 8VK PowerBand® be matched in sets to one single match number only. To help alleviate some matching problems, the 8VK belts are now available in 3, 4, 5, 8, 10 and 12 strands. These are to be ordered in minimum quantities. Consult your Gates representative.

$$\text{Number of belts required} = \frac{\text{Design kW}}{(A + B + C) \times G \times C_L}$$