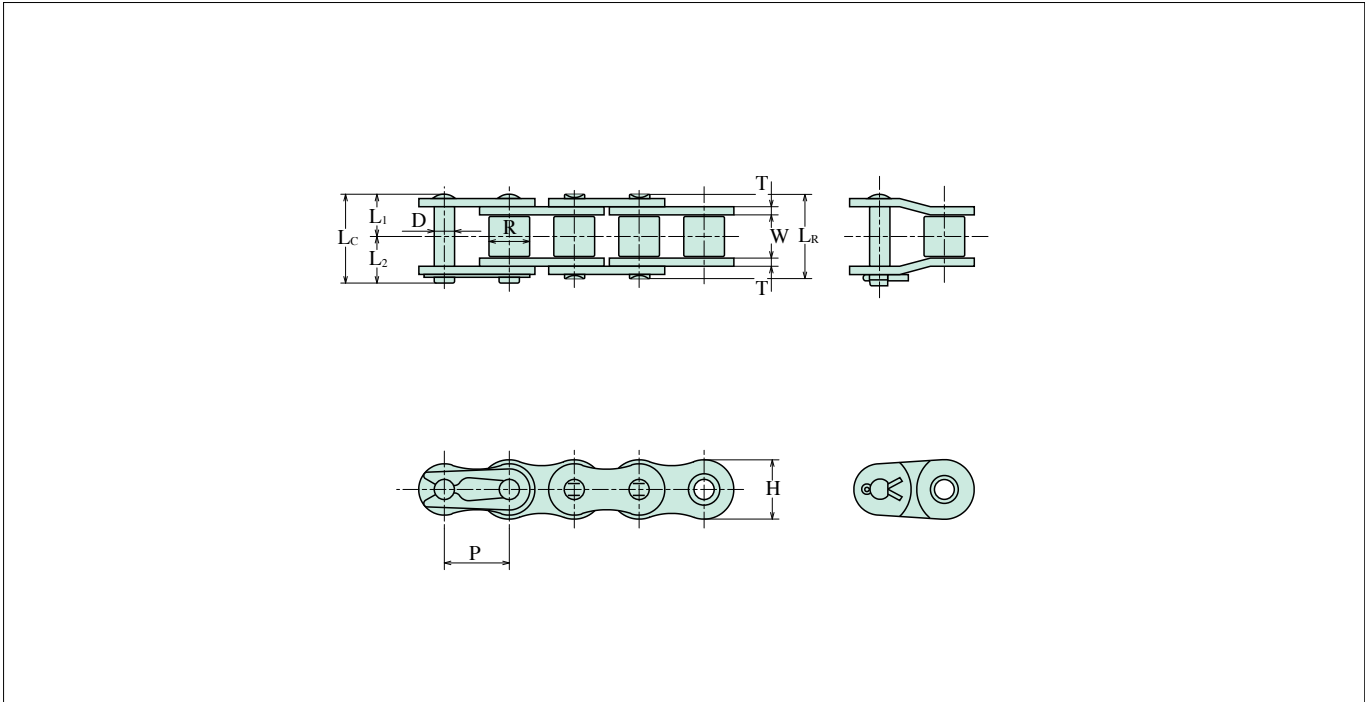


ANSI Standard Roller Chains

25 (BUSHED CHAIN)



Chain No.	Dimensions-mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Bushing		Pin				Plate					
		Width	Dia.	Dia.	Length			Height	Thick.				
	P	W	R	D	L _R	L _C	L ₁	L ₂	H	T			
25	6.35	3.10	3.30	2.31	7.60	8.60	3.80	4.80	6.02	0.75	4.40	0.64	0.13

KILOWATT RATING OF 25

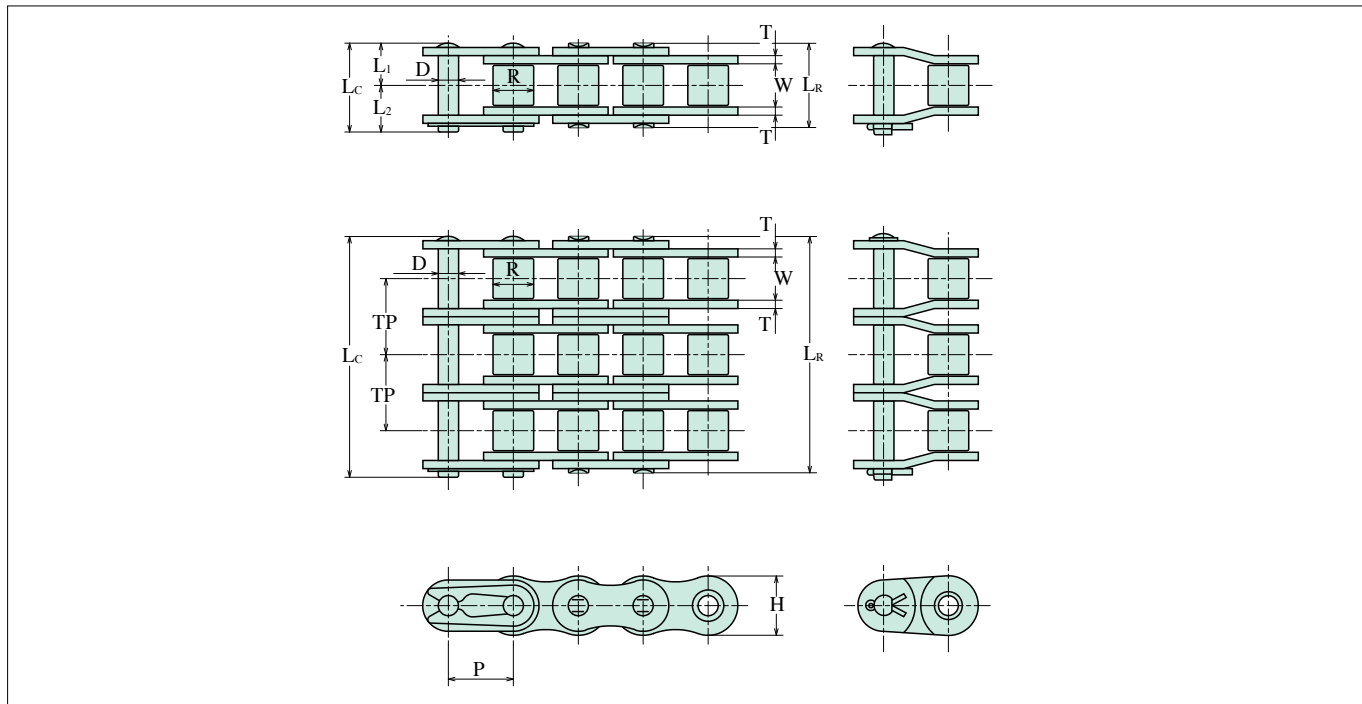
(kw)

No. of Teeth Small Spkt	Revolutions per Minute(RPM)-Small Sprocket																			
	100	500	900	1200	1800	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
	Lubrication Method																			
	A					C														
9	0.03	0.13	0.23	0.30	0.43	0.57	0.67	0.78	0.76	0.64	0.54	0.47	0.42	0.37	0.33	0.30	0.27	0.25	0.22	0.19
10	0.04	0.15	0.26	0.33	0.48	0.64	0.76	0.87	0.89	0.75	0.64	0.55	0.48	0.43	0.39	0.35	0.31	0.29	0.26	0.22
11	0.04	0.17	0.28	0.37	0.53	0.71	0.84	0.96	1.03	0.87	0.74	0.64	0.56	0.50	0.45	0.40	0.37	0.34	0.31	0.26
12	0.04	0.18	0.31	0.40	0.58	0.78	0.92	1.06	1.17	0.98	0.84	0.72	0.64	0.57	0.51	0.46	0.42	0.38	0.35	0.30
13	0.05	0.20	0.34	0.44	0.63	0.85	1.00	1.15	1.30	1.11	0.95	0.82	0.72	0.64	0.57	0.51	0.47	0.43	0.40	0.34
14	0.05	0.22	0.37	0.48	0.69	0.92	1.09	1.25	1.41	1.24	1.06	0.92	0.81	0.72	0.64	0.57	0.52	0.48	0.44	0.37
15	0.05	0.23	0.40	0.51	0.74	0.99	1.17	1.35	1.52	1.37	1.17	1.01	0.90	0.79	0.71	0.64	0.58	0.53	0.48	0.42
16	0.06	0.25	0.43	0.55	0.79	1.07	1.26	1.44	1.63	1.51	1.29	1.12	0.98	0.87	0.78	0.70	0.64	0.58	0.54	0.46
17	0.06	0.27	0.45	0.59	0.85	1.14	1.34	1.54	1.74	1.66	1.42	1.22	1.07	0.96	0.85	0.77	0.70	0.64	0.59	0.50
18	0.07	0.28	0.48	0.63	0.90	1.21	1.43	1.64	1.85	1.81	1.54	1.34	1.17	1.04	0.93	0.84	0.76	0.69	0.64	0.54
19	0.07	0.30	0.51	0.66	0.96	1.28	1.51	1.74	1.96	1.95	1.67	1.45	1.27	1.13	1.01	0.91	0.83	0.75	0.69	0.59
20	0.07	0.32	0.54	0.70	1.01	1.36	1.60	1.84	2.07	2.11	1.81	1.57	1.37	1.22	1.09	0.98	0.90	0.81	0.75	0.64
21	0.08	0.34	0.57	0.74	1.06	1.43	1.69	1.94	2.18	2.27	1.94	1.69	1.48	1.31	1.17	1.06	0.96	0.87	0.81	0.69
22	0.08	0.35	0.60	0.78	1.12	1.50	1.77	2.04	2.30	2.44	2.08	1.81	1.58	1.40	1.26	1.13	1.03	0.94	0.87	0.74
23	0.09	0.37	0.63	0.82	1.17	1.58	1.86	2.14	2.41	2.61	2.22	1.93	1.69	1.50	1.34	1.21	1.10	1.01	0.93	0.79
24	0.09	0.39	0.66	0.85	1.23	1.65	1.95	2.24	2.52	2.78	2.37	2.06	1.81	1.60	1.43	1.29	1.17	1.07	0.98	0.84
25	0.10	0.41	0.69	0.89	1.28	1.73	2.03	2.34	2.64	2.93	2.52	2.19	1.92	1.70	1.52	1.37	1.25	1.14	1.04	0.90
26	0.10	0.42	0.72	0.93	1.34	1.80	2.12	2.44	2.75	3.06	2.68	2.32	2.04	1.81	1.61	1.45	1.32	1.21	1.11	0.95
28	0.11	0.46	0.78	1.01	1.45	1.95	2.30	2.64	2.98	3.31	2.99	2.59	2.28	2.01	1.81	1.63	1.48	1.35	1.24	1.06
30	0.12	0.49	0.84	1.09	1.56	2.10	2.48	2.85	3.21	3.57	3.32	2.87	2.52	2.24	2.00	1.81	1.64	1.50	1.37	1.17
32	0.12	0.53	0.90	1.16	1.68	2.25	2.66	3.05	3.44	3.83	3.66	3.17	2.78	2.46	2.21	1.99	1.81	1.65	1.51	1.29
35	0.14	0.58	0.99	1.28	1.85	2.48	2.93	3.36	3.79	4.21	4.18	3.62	3.18	2.82	2.52	2.28	2.07	1.89	1.73	1.48
40	0.16	0.67	1.14	1.48	2.13	2.87	3.38	3.88	4.38	4.87	5.10	4.42	3.89	3.45	3.08	2.78	2.52	2.31	2.11	1.81
45	0.18	0.77	1.30	1.68	2.42	3.26	3.84	4.41	4.97	5.53	6.08	5.28	4.63	4.11	3.68	3.32	3.01	2.75	2.52	2.16
	A					C					D									

Note: Lubricated types A,B,C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

35 (BUSHED CHAIN)



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m	
	Pitch P	Bushing		Pin				Plate		Trans. Pitch TP					
		Width W	Dia. R	Dia. D	Length		Height H	Thick. T							
35						12.00	12.90	6.00	6.90			—	10.80	2.48	0.34
35-2	9.525	4.80	5.08	3.58		22.10	23.00	11.10	11.90	8.90	1.25	10.10	21.60	3.67	0.63
35-3						32.20	33.10	16.10	17.00				32.40	5.40	0.92

KILOWATT RATING OF 35

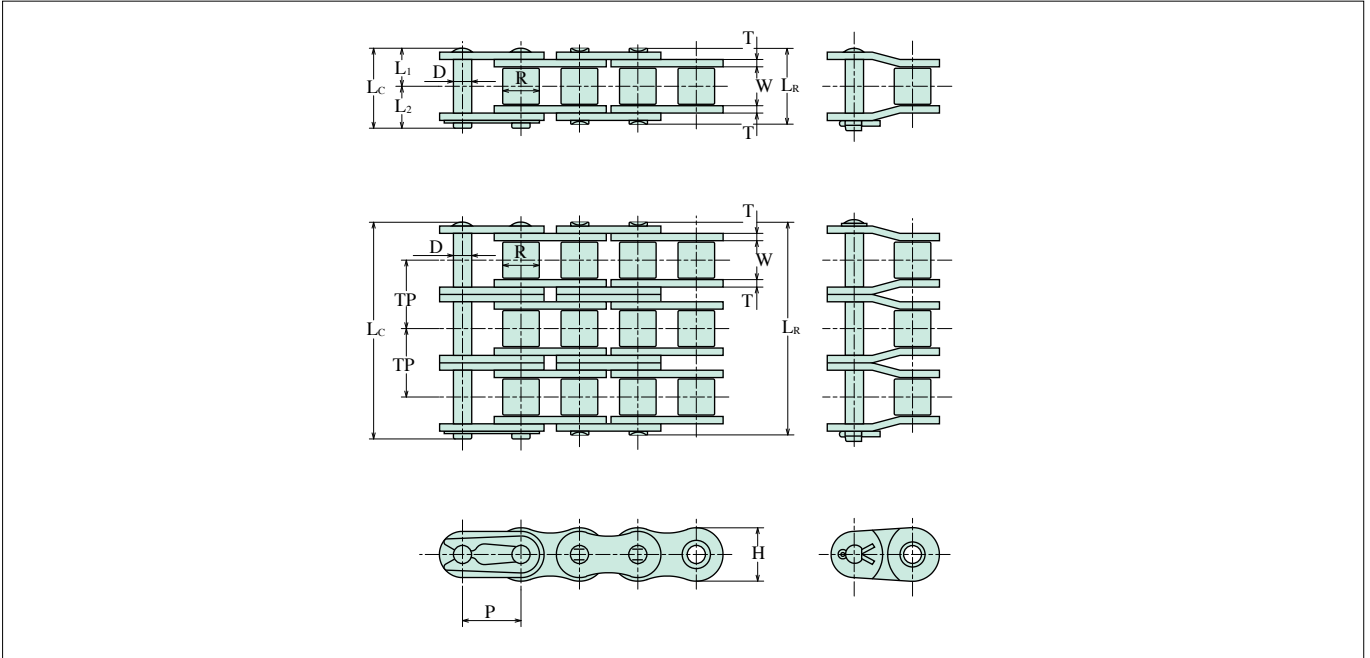
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
	Lubrication Method																			
	A			B			C			D										
11	0.10	0.20	0.52	0.83	1.12	1.41	1.83	2.23	2.63	3.02	2.88	2.19	1.74	1.42	1.19	1.02	0.88	0.77	0.69	0.61
12	0.11	0.21	0.58	0.91	1.24	1.55	2.01	2.45	2.89	3.32	3.28	2.50	1.98	1.62	1.36	1.16	1.01	0.88	0.78	0.70
13	0.13	0.23	0.63	0.99	1.35	1.69	2.19	2.67	3.15	3.62	3.70	2.82	2.23	1.83	1.53	1.31	1.13	1.00	0.88	0.79
14	0.14	0.25	0.68	1.08	1.46	1.83	2.37	2.90	3.41	3.92	4.14	3.15	2.50	2.04	1.71	1.46	1.27	1.11	0.99	0.88
15	0.15	0.27	0.73	1.16	1.57	1.97	2.55	3.12	3.68	4.23	4.59	3.49	2.77	2.27	1.90	1.62	1.41	1.23	1.09	0.98
16	0.16	0.29	0.79	1.25	1.69	2.11	2.74	3.35	3.94	4.53	5.05	3.84	3.05	2.50	2.09	1.79	1.55	1.36	1.21	1.08
17	0.17	0.31	0.84	1.33	1.80	2.26	2.92	3.57	4.21	4.84	5.54	4.21	3.34	2.73	2.29	1.96	1.70	1.49	1.32	1.18
18	0.18	0.33	0.89	1.41	1.91	2.40	3.11	3.80	4.48	5.14	6.02	4.59	3.64	2.98	2.50	2.13	1.85	1.62	1.44	1.29
19	0.19	0.35	0.95	1.50	2.03	2.54	3.30	4.03	4.75	5.45	6.38	4.98	3.95	3.23	2.71	2.31	2.00	1.76	1.56	1.40
20	0.20	0.37	1.00	1.58	2.14	2.69	3.48	4.26	5.02	5.76	6.74	5.37	4.26	3.49	2.92	2.50	2.16	1.90	1.68	1.51
21	0.21	0.39	1.05	1.67	2.26	2.83	3.67	4.49	5.29	6.08	7.11	5.78	4.59	3.75	3.15	2.69	2.33	2.04	1.81	1.62
22	0.22	0.41	1.11	1.76	2.38	2.98	3.86	4.72	5.56	6.39	7.48	6.20	4.92	4.03	3.37	2.88	2.50	2.19	1.94	1.74
23	0.23	0.43	1.16	1.84	2.49	3.13	4.05	4.95	5.84	6.70	7.84	6.63	5.26	4.30	3.61	3.08	2.67	2.34	2.08	1.86
24	0.24	0.45	1.22	1.93	2.61	3.27	4.24	5.19	6.11	7.02	8.21	7.06	5.61	4.59	3.84	3.28	2.85	2.50	2.21	1.98
25	0.25	0.47	1.27	2.02	2.73	3.42	4.43	5.42	6.39	7.34	8.58	7.51	5.96	4.88	4.09	3.49	3.03	2.65	2.35	2.11
26	0.26	0.49	1.33	2.10	2.85	3.57	4.63	5.65	6.66	7.65	8.95	7.96	6.32	5.17	4.34	3.70	3.21	2.82	2.50	2.23
28	0.29	0.54	1.44	2.28	3.08	3.87	5.01	6.12	7.22	8.29	9.70	8.90	7.06	5.78	4.84	4.14	3.59	3.15	2.79	2.50
30	0.31	0.58	1.55	2.45	3.32	4.17	5.40	6.60	7.78	8.93	10.45	9.87	7.83	6.41	5.37	4.59	3.98	3.49	3.10	2.77
32	0.33	0.62	1.66	2.63	3.56	4.47	5.79	7.07	8.34	9.58	11.20	10.87	8.63	7.06	5.92	5.05	4.38	3.84	3.41	3.05
35	0.37	0.68	1.83	2.90	3.93	4.92	6.38	7.79	9.18	10.55	12.34	12.44	9.87	8.08	6.77	5.78	5.01	4.40	3.90	3.49
40	0.42	0.79	2.12	3.35	4.53	5.68	7.36	9.00	10.61	12.19	14.26	15.20	12.06	9.87	8.27	7.06	6.12	5.37	4.77	4.26
45	0.48	0.89	2.40	3.80	5.15	6.46	8.36	10.22	12.05	13.84	16.19	18.13	14.39	11.78	9.87	8.43	7.31	6.41	5.69	5.09

Note: Lubricated types A,B,C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

40



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch	Roller		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length			Height	Thick.					
	P	W	R	D	LR	LC	L1	L2	H	T	TP			
40					16.50	17.90	8.30	9.60			—	19.10	4.17	0.60
40-2	12.70	7.95	7.92	3.96	30.80	32.20	15.40	16.80	11.60	1.50	14.40	38.20	6.17	1.22
40-3					45.00	46.60	22.50	24.10				57.30	9.08	1.85
40-4					60.00	60.80	30.00	30.80				76.40	12.00	2.46

KILOWATT RATING OF 40

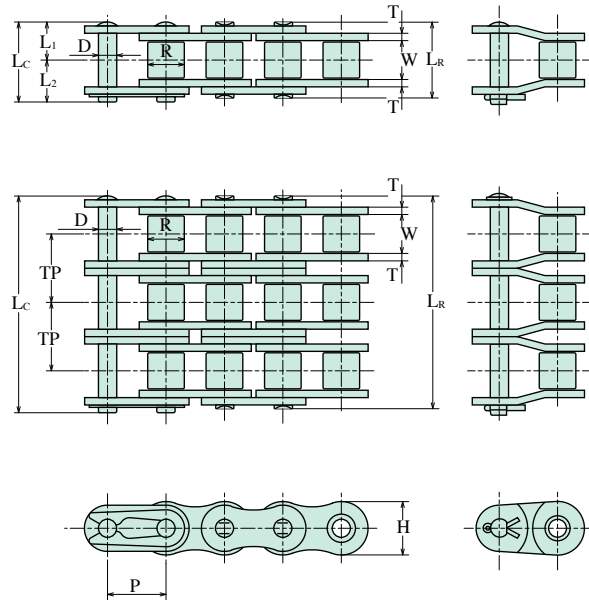
(kw)

No. of Teeth Small Spt.	Revolutions per Minute(RPM)-Small Sprocket																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
	Lubrication Method																			
	A				B				C											
11	0.06	0.13	0.25	0.46	0.86	1.24	1.61	1.97	2.66	3.34	3.67	4.32	4.97	4.15	3.48	2.76	2.26	1.89	1.62	1.28
12	0.06	0.15	0.27	0.51	0.95	1.36	1.77	2.16	2.92	3.67	4.03	4.75	5.46	4.73	3.96	3.15	2.58	2.16	1.84	1.46
13	0.07	0.16	0.30	0.55	1.03	1.49	1.93	2.35	3.19	4.00	4.39	5.18	5.95	5.33	4.47	3.55	2.90	2.43	2.08	1.65
14	0.08	0.17	0.32	0.60	1.12	1.61	2.09	2.55	3.45	4.33	4.76	5.61	6.44	5.96	5.00	3.96	3.25	2.72	2.32	1.84
15	0.08	0.19	0.35	0.65	1.20	1.74	2.25	2.75	3.72	4.66	5.13	6.04	6.94	6.61	5.54	4.40	3.60	3.02	2.58	2.04
16	0.09	0.20	0.37	0.69	1.29	1.86	2.41	2.95	3.99	5.00	5.50	6.48	7.44	7.28	6.10	4.84	3.96	3.32	2.84	2.25
17	0.09	0.21	0.40	0.74	1.38	1.99	2.57	3.15	4.26	5.34	5.87	6.92	7.95	7.98	6.69	5.31	4.34	3.64	3.11	2.47
18	0.10	0.23	0.42	0.79	1.47	2.11	2.74	3.35	4.53	5.68	6.25	7.36	8.45	8.69	7.28	5.78	4.73	3.96	3.39	2.69
19	0.10	0.24	0.45	0.83	1.56	2.24	2.90	3.55	4.80	6.02	6.62	7.80	8.96	9.43	7.90	6.27	5.13	4.30	3.67	2.91
20	0.11	0.25	0.47	0.88	1.64	2.37	3.07	3.75	5.08	6.36	7.00	8.25	9.47	10.18	8.53	6.77	5.54	4.64	3.96	3.15
21	0.12	0.27	0.50	0.93	1.73	2.50	3.23	3.95	5.35	6.71	7.38	8.69	9.99	10.95	9.18	7.28	5.96	5.00	4.27	3.39
22	0.12	0.28	0.52	0.98	1.82	2.62	3.40	4.16	5.63	7.05	7.76	9.14	10.50	11.74	9.84	7.81	6.39	5.36	4.57	3.63
23	0.13	0.29	0.55	1.02	1.91	2.75	3.57	4.36	5.90	7.40	8.14	9.59	11.02	12.42	10.52	8.35	6.83	5.73	4.89	3.88
24	0.14	0.31	0.57	1.07	2.00	2.88	3.74	4.57	6.18	7.75	8.52	10.04	11.53	13.01	11.21	8.90	7.28	6.10	5.21	4.14
25	0.14	0.32	0.60	1.12	2.09	3.01	3.90	4.77	6.46	8.10	8.90	10.49	12.05	13.59	11.92	9.46	7.74	6.49	5.54	4.40
26	0.15	0.34	0.63	1.17	2.18	3.14	4.07	4.98	6.74	8.45	9.29	10.95	12.58	14.18	12.64	10.03	8.21	6.88	5.88	4.66
28	0.16	0.36	0.68	1.27	2.36	3.41	4.41	5.39	7.30	9.15	10.06	11.86	13.62	15.36	14.13	11.21	9.18	7.69	6.57	5.21
30	0.17	0.39	0.73	1.37	2.55	3.67	4.75	5.81	7.87	9.86	10.80	12.78	14.68	16.55	15.67	12.44	10.18	8.53	7.28	5.78
32	0.18	0.42	0.78	1.46	2.73	3.93	5.10	6.23	8.43	10.60	11.60	13.70	15.74	17.75	17.27	13.70	11.21	9.40	8.02	6.37
35	0.20	0.46	0.86	1.61	3.01	4.33	5.61	6.86	9.29	11.60	12.80	15.09	17.34	19.55	19.75	15.67	12.83	10.75	9.18	7.28
40	0.23	0.53	1.00	1.86	3.48	5.01	6.49	7.93	10.70	13.50	14.80	17.43	20.03	22.58	24.13	19.15	15.67	13.13	11.21	8.90
45	0.27	0.61	1.13	2.12	3.95	5.69	7.37	9.00	12.20	15.30	16.80	19.80	22.74	25.65	28.51	22.85	18.70	15.67	13.38	10.62
	A			B			C						D							

Note: Lubricated types A,B,C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

50



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
50					20.40	22.00	10.20	11.80			—	31.90	7.22	0.98
50-2	15.875	9.53	10.16	5.08	38.40	40.00	19.20	20.80	14.50	2.00	18.10	63.80	10.70	2.00
50-3					56.70	58.20	28.40	29.80				95.70	15.70	3.07
50-4					75.00	75.70	37.50	38.20				128.00	20.70	3.97

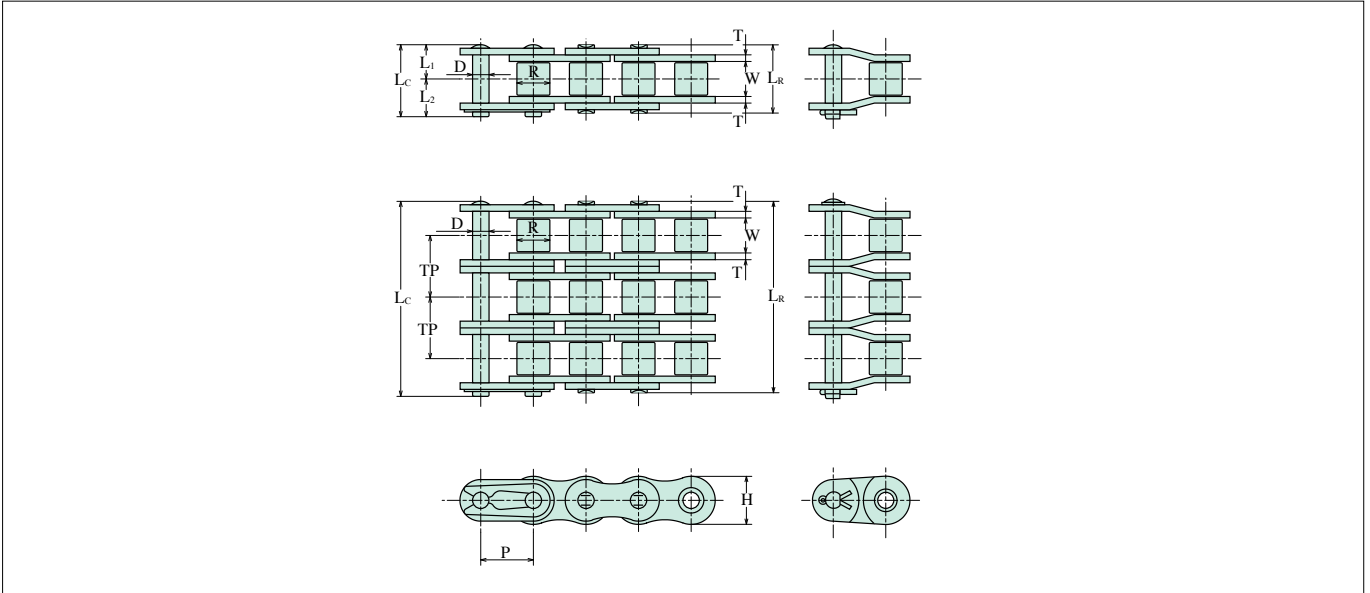
KILOWATT RATING OF 50

(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
	Lubrication Method																			
	A				B				C				D							
11	0.11	0.26	0.48	0.90	1.68	2.42	3.13	3.83	5.18	6.49	7.14	7.64	6.06	4.96	4.16	3.30	2.70	2.26	1.93	1.53
12	0.12	0.28	0.53	0.99	1.84	2.65	3.44	4.20	5.69	7.13	7.84	8.71	6.91	5.66	4.74	3.76	3.08	2.58	2.20	1.75
13	0.14	0.31	0.58	1.08	2.01	2.89	3.75	4.58	6.20	7.78	8.55	9.82	7.79	6.38	5.34	4.24	3.47	2.91	2.48	1.97
14	0.15	0.33	0.62	1.17	2.18	3.13	4.06	4.96	6.72	8.43	9.26	10.90	8.71	7.13	5.97	4.74	3.88	3.25	2.78	2.20
15	0.16	0.36	0.67	1.26	2.34	3.38	4.38	5.35	7.24	9.08	9.98	11.80	9.66	7.90	6.62	5.26	4.30	3.61	3.08	2.44
16	0.17	0.39	0.72	1.35	2.51	3.62	4.69	5.73	7.76	9.73	10.70	12.60	10.60	8.71	7.30	5.79	4.74	3.97	3.39	2.69
17	0.18	0.41	0.77	1.44	2.68	3.87	5.01	6.12	8.29	10.40	11.40	13.50	11.70	9.54	7.99	6.34	5.19	4.35	3.71	2.95
18	0.19	0.44	0.82	1.53	2.85	4.11	5.33	6.51	8.82	11.10	12.20	14.30	12.70	10.40	8.71	6.91	5.66	4.74	4.05	3.21
19	0.20	0.47	0.87	1.62	3.03	4.36	5.65	6.90	9.35	11.70	12.90	15.20	13.80	11.30	9.44	7.49	6.13	5.14	4.39	3.48
20	0.22	0.49	0.92	1.71	3.20	4.61	5.97	7.30	9.88	12.40	13.60	16.00	14.90	12.20	10.20	8.09	6.62	5.55	4.74	3.76
21	0.23	0.52	0.97	1.81	3.37	4.86	6.29	7.69	10.40	13.10	14.40	16.90	16.00	13.10	11.00	8.71	7.13	5.97	5.10	4.05
22	0.24	0.55	1.02	1.90	3.55	5.11	6.62	8.09	10.90	13.70	15.10	17.80	17.20	14.00	11.80	9.34	7.64	6.40	5.47	4.34
23	0.25	0.57	1.07	1.99	3.72	5.36	6.94	8.49	11.50	14.40	15.80	18.70	18.30	15.00	12.60	9.98	8.17	6.85	5.85	4.64
24	0.26	0.60	1.12	2.09	3.90	5.61	7.27	8.89	12.00	15.10	16.60	19.50	19.50	16.00	13.40	10.60	8.71	7.30	6.23	4.94
25	0.27	0.63	1.17	2.18	4.07	5.86	7.60	9.29	12.60	15.80	17.30	20.40	20.80	17.00	14.30	11.30	9.26	7.76	6.62	5.26
26	0.29	0.65	1.22	2.28	4.25	6.12	7.93	9.69	13.10	16.40	18.10	21.30	22.00	18.00	15.10	12.00	9.82	8.23	7.03	5.58
28	0.31	0.71	1.32	2.47	4.60	6.63	8.59	10.50	14.20	17.80	19.60	23.10	24.60	20.20	16.90	13.40	11.00	9.20	7.85	6.23
30	0.33	0.76	1.42	2.66	4.96	7.14	9.25	11.30	15.30	19.20	21.10	24.90	27.30	22.40	18.70	14.90	12.20	10.20	8.71	6.91
32	0.36	0.82	1.53	2.85	5.31	7.66	9.92	12.10	16.40	20.60	22.60	26.70	30.10	24.60	20.60	16.40	13.40	11.20	9.59	7.61
35	0.39	0.90	1.68	3.14	5.85	8.43	10.90	13.40	18.10	22.70	24.90	29.40	33.70	28.20	23.60	18.70	15.30	12.90	11.00	8.71
40	0.46	1.04	1.94	3.62	6.76	9.74	12.60	15.40	20.90	26.20	28.80	33.90	39.00	34.40	28.80	22.90	18.70	15.70	13.40	10.60
45	0.52	1.18	2.21	4.12	7.68	11.10	14.30	17.50	23.70	29.70	32.70	38.50	44.30	41.10	34.40	27.30	22.40	18.70	16.00	12.70

Note: Lubricated types A,B,C and D on the table are shown on page 70.
: Whenever possible, selection should not be made from the colored sections of the table.

60



Chain No.	Dimensions - mm											Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length			Height	Thick.					
		P	W	R	D	LR	LC	L1	L2		H			
60					25.50	26.90	12.80	14.10			—	43.10	10.70	1.46
60-2					48.20	49.70	24.00	25.70				86.20	14.70	2.95
60-3					71.20	72.60	35.20	37.40				129.00	21.60	4.43
60-4	19.05	12.70	11.91	5.95	94.40	95.40	47.20	48.20	17.40	2.40	22.80	172.00	28.50	5.92
60-5					117.00	118.20	58.50	59.70				216.00	33.70	7.41
60-6					140.00	140.90	70.10	70.80				259.00	39.70	8.90

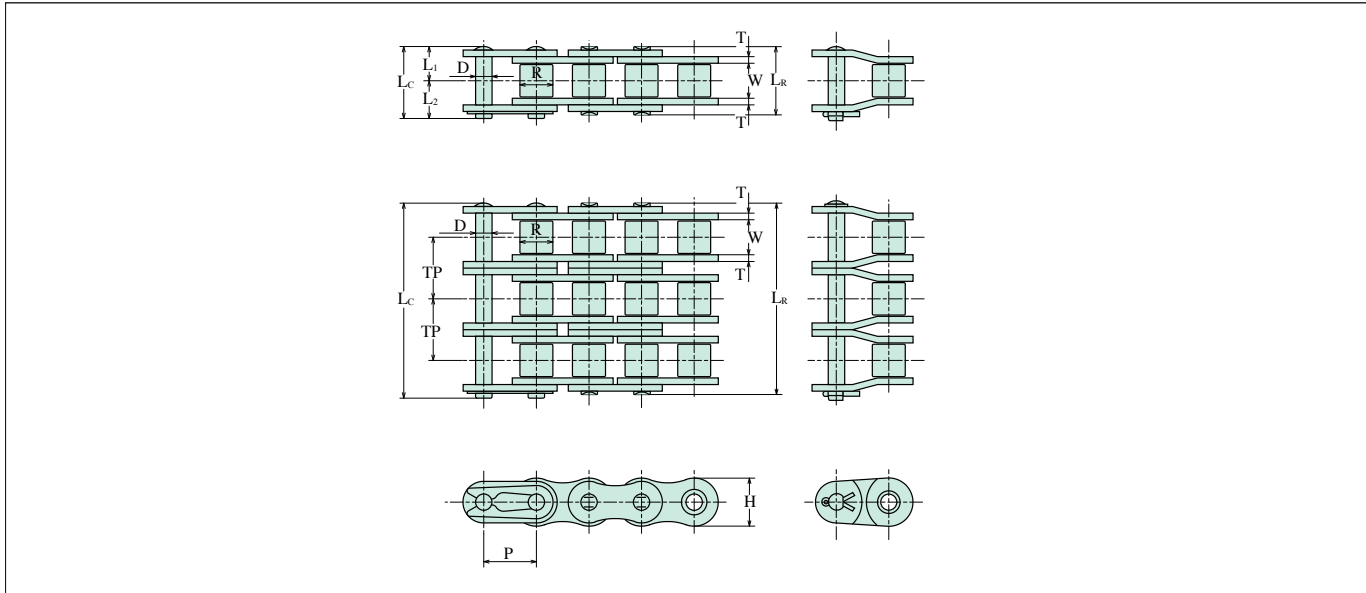
KILOWATT RATING OF 60

(kw)

No. of Teeth Small Spk.	Revolutions per Minute(RPM)-Small Sprocket																				
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	
	Lubrication Method																				
	A					B					C					D					
11	0.21	0.48	0.90	1.68	2.42	3.13	4.51	5.85	7.15	8.42	9.68	10.90	12.10	13.20	11.60	10.10	8.84	7.02	5.74	4.81	4.11
12	0.23	0.53	0.99	1.84	2.66	3.44	4.96	6.42	7.85	9.25	10.60	12.00	13.30	13.20	11.50	10.10	7.99	6.54	5.48	4.68	
13	0.25	0.58	1.08	2.01	2.90	3.75	5.41	7.00	8.56	10.10	11.60	13.10	14.50	14.90	12.90	11.40	9.01	7.38	6.18	5.28	
14	0.27	0.63	1.17	2.18	3.14	4.07	5.86	7.59	9.27	10.90	12.60	14.20	15.70	16.70	14.50	12.70	10.10	8.25	6.91	5.90	
15	0.30	0.67	1.26	2.35	3.38	4.38	6.31	8.17	9.99	11.80	13.50	15.30	17.00	18.50	16.00	14.10	11.20	9.15	7.66	6.54	
16	0.32	0.72	1.35	2.52	3.62	4.70	6.76	8.76	10.70	12.60	14.50	16.40	18.20	20.00	17.70	15.50	12.30	10.10	8.44	7.21	
17	0.34	0.77	1.44	2.69	3.87	5.01	7.22	9.36	11.40	13.50	15.50	17.50	19.40	21.30	19.40	17.00	13.50	11.00	9.25	7.90	
18	0.36	0.82	1.53	2.86	4.12	5.33	7.68	9.95	12.20	14.30	16.50	18.60	20.60	22.70	21.10	18.50	14.70	12.00	10.10	8.60	
19	0.38	0.87	1.62	3.03	4.36	5.65	8.14	10.60	12.90	15.20	17.50	19.70	21.90	24.10	22.90	20.10	15.90	13.00	10.90	9.33	
20	0.40	0.92	1.72	3.20	4.61	5.98	8.61	11.20	13.60	16.10	18.50	20.80	23.10	25.40	24.70	21.70	17.20	14.10	11.80	10.10	
21	0.42	0.97	1.81	3.38	4.86	6.30	9.07	11.80	14.40	16.90	19.50	21.90	24.40	26.80	26.60	23.30	18.50	15.10	12.70	10.80	
22	0.45	1.02	1.90	3.55	5.11	6.62	9.54	12.40	15.10	17.80	20.50	23.10	25.60	28.20	28.50	25.00	19.80	16.20	13.60	11.60	
23	0.47	1.07	2.00	3.72	5.36	6.95	10.00	13.00	15.90	18.70	21.50	24.20	26.90	29.60	30.50	26.70	21.20	17.40	14.60	12.40	
24	0.49	1.12	2.09	3.90	5.62	7.28	10.50	13.60	16.60	19.60	22.50	25.30	28.20	31.00	32.50	28.50	22.60	18.50	15.50	13.20	
25	0.51	1.17	2.18	4.08	5.87	7.60	11.00	14.20	17.30	20.40	23.50	26.50	29.40	32.40	34.50	30.30	24.00	19.70	16.50	14.10	
26	0.54	1.22	2.28	4.25	6.12	7.93	11.40	14.80	18.10	21.30	24.50	27.60	30.70	33.80	36.60	32.10	25.50	20.90	17.50	14.90	
28	0.58	1.32	2.47	4.61	6.63	8.59	12.40	16.00	19.60	23.10	26.50	29.90	33.30	36.60	39.90	35.90	28.50	23.30	19.50	16.70	
30	0.62	1.42	2.66	4.96	7.15	9.26	13.30	17.30	21.10	24.90	28.60	32.20	35.80	39.40	42.90	39.80	31.60	25.90	21.70	18.50	
32	0.67	1.53	2.85	5.32	7.66	9.93	14.30	18.50	22.60	26.70	30.70	34.60	38.40	42.30	46.00	43.90	34.80	28.50	23.90	20.40	
35	0.74	1.68	3.14	5.86	8.44	10.90	15.80	20.40	24.90	29.40	33.80	38.10	42.30	46.60	50.70	50.20	39.80	32.60	27.30	23.30	
40	0.85	1.94	3.63	6.77	9.75	12.60	18.20	23.60	28.80	34.00	39.00	44.00	48.90	53.80	58.60	61.30	48.70	39.80	33.40	28.50	
45	0.97	2.21	4.12	7.69	11.07	14.30	20.70	26.80	32.70	38.60	44.30	50.00	55.50	61.10	66.50	72.00	58.10	47.50	39.80	34.00	

Note: Lubricated types A,B,C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
80					32.80	35.10	16.40	18.70			—	78.50	19.10	2.52
80-2					61.60	64.50	30.80	33.70				157.00	25.00	5.10
80-3	25.40	15.88	15.88	7.93	90.90	94.10	45.50	48.60	23.40	3.20	29.30	236.00	36.80	7.68
80-4					120.40	123.50	60.20	63.30				314.00	48.50	10.25
80-5					149.80	152.80	74.90	77.90				393.00	57.30	12.84
80-6					179.10	182.10	89.60	92.50				471.00	67.60	15.42

KILOWATT RATING OF 80

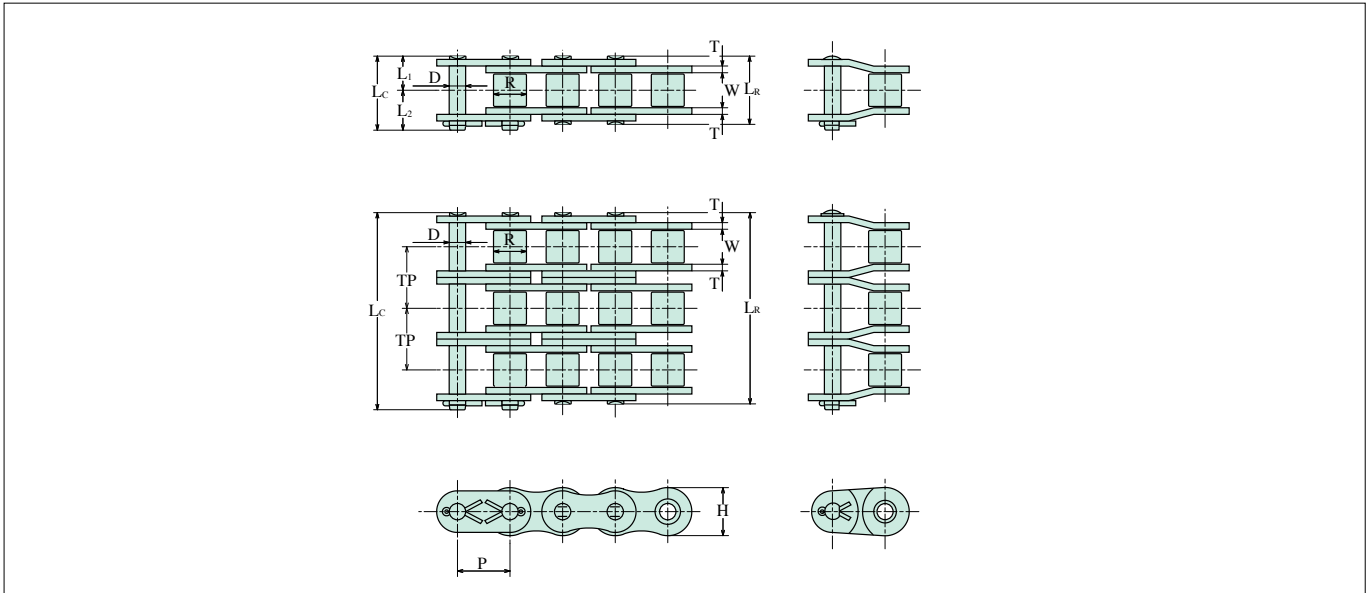
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
	A					B					C					D				
11	0.66	1.51	2.82	5.27	7.59	9.83	14.20	18.30	22.40	26.40	25.00	20.40	17.10	14.60	12.70	11.10	8.83	7.23	6.06	5.17
12	0.73	1.66	3.10	5.79	8.34	10.80	15.60	20.20	24.60	29.00	28.50	23.30	19.50	16.70	14.50	12.70	10.10	8.24	6.90	5.89
13	0.79	1.81	3.38	6.31	9.09	11.80	17.00	22.00	26.90	31.70	32.10	26.30	22.00	18.80	16.30	14.30	11.30	9.29	7.78	6.65
14	0.86	1.96	3.66	6.84	9.85	12.80	18.40	23.80	29.10	34.30	35.90	29.40	24.60	21.00	18.20	16.00	12.70	10.40	8.70	7.43
15	0.93	2.12	3.95	7.37	10.60	13.70	19.80	25.60	31.40	36.90	39.80	32.60	27.30	23.30	20.20	17.70	14.10	11.50	9.65	8.24
16	0.99	2.27	4.23	7.90	11.40	14.70	21.20	27.50	33.60	39.60	43.80	35.90	30.10	25.70	22.20	19.50	15.50	12.70	10.60	9.07
17	1.06	2.42	4.52	8.43	12.10	15.70	22.70	29.40	35.90	42.30	48.00	39.30	32.90	28.10	24.40	21.40	17.00	13.90	11.60	9.94
18	1.13	2.58	4.81	8.97	12.90	16.70	24.10	31.20	38.20	45.00	51.70	42.80	35.90	30.60	26.50	23.30	18.50	15.10	12.70	10.80
19	1.20	2.73	5.10	9.51	13.70	17.70	25.60	33.10	40.50	47.70	54.80	46.40	38.90	33.20	28.80	25.30	20.10	16.40	13.80	11.70
20	1.27	2.89	5.39	10.00	14.50	18.80	27.00	35.00	42.80	50.40	57.90	50.10	42.00	35.90	31.10	27.30	21.70	17.70	14.90	12.70
21	1.33	3.04	5.68	10.60	15.30	19.80	28.50	36.90	45.10	53.10	61.00	53.90	45.20	38.60	33.50	29.40	23.30	19.10	16.00	13.60
22	1.40	3.20	5.97	11.10	16.00	20.80	29.90	38.80	47.40	55.90	64.20	57.80	48.50	41.40	35.90	31.50	25.00	20.40	17.10	14.60
23	1.47	3.36	6.26	11.70	16.80	21.80	31.40	40.70	49.70	58.60	67.30	61.80	51.80	44.20	38.30	33.70	26.70	21.90	18.30	15.60
24	1.54	3.51	6.56	12.20	17.60	22.80	32.90	42.60	52.10	61.40	70.50	65.90	55.20	47.20	40.90	35.90	28.50	23.30	19.50	16.70
25	1.61	3.67	6.85	12.80	18.40	23.90	34.40	44.50	54.40	64.10	73.70	70.10	58.70	50.10	43.50	38.10	30.30	24.80	20.80	17.70
26	1.68	3.83	7.15	13.30	19.20	24.90	35.90	46.50	56.80	66.90	76.90	74.30	62.30	53.20	46.10	40.40	32.10	26.30	22.00	18.80
28	1.82	4.15	7.75	14.50	20.80	27.00	38.80	50.30	61.50	72.50	83.30	83.00	69.60	59.40	51.50	45.20	35.90	29.40	24.60	21.00
30	1.96	4.47	8.34	15.60	22.40	29.10	41.90	54.20	66.30	78.10	89.70	92.10	77.20	65.90	57.10	50.10	39.80	32.60	27.30	23.30
32	2.10	4.79	8.95	16.70	24.00	31.20	44.90	58.10	71.10	83.70	96.20	101.00	85.00	72.60	62.90	55.20	43.80	35.90	30.10	25.70
35	2.32	5.28	9.86	18.40	26.50	34.30	49.40	64.00	78.30	92.20	106.00	116.00	97.30	83.00	72.00	63.20	50.10	41.00	34.40	29.40
40	2.67	6.10	11.40	21.20	30.60	39.60	57.10	74.00	90.40	107.00	122.00	138.00	119.00	101.00	87.90	77.20	61.20	50.10	42.00	35.90
45	3.04	6.93	12.90	24.10	34.80	45.00	64.80	84.00	103.00	121.00	139.00	157.00	142.00	121.00	105.00	92.10	73.10	59.80	50.10	42.80

Note: Lubricated types A,B,C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

100



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
100					39.40	43.00	19.70	23.30			—	118.00	29.40	3.84
100-2					75.10	78.80	37.60	41.20				236.00	38.40	7.74
100-3	31.75	19.05	19.05	9.53	110.90	114.60	55.50	59.10	29.30	4.00	35.80	354.00	56.50	11.58
100-4					147.40	150.80	73.70	77.10				471.00	74.40	15.06
100-5					183.00	186.60	91.50	95.10				590.00	88.10	19.26
100-6					218.80	222.40	109.40	113.00				708.00	104.00	23.10

KILOWATT RATING OF 100

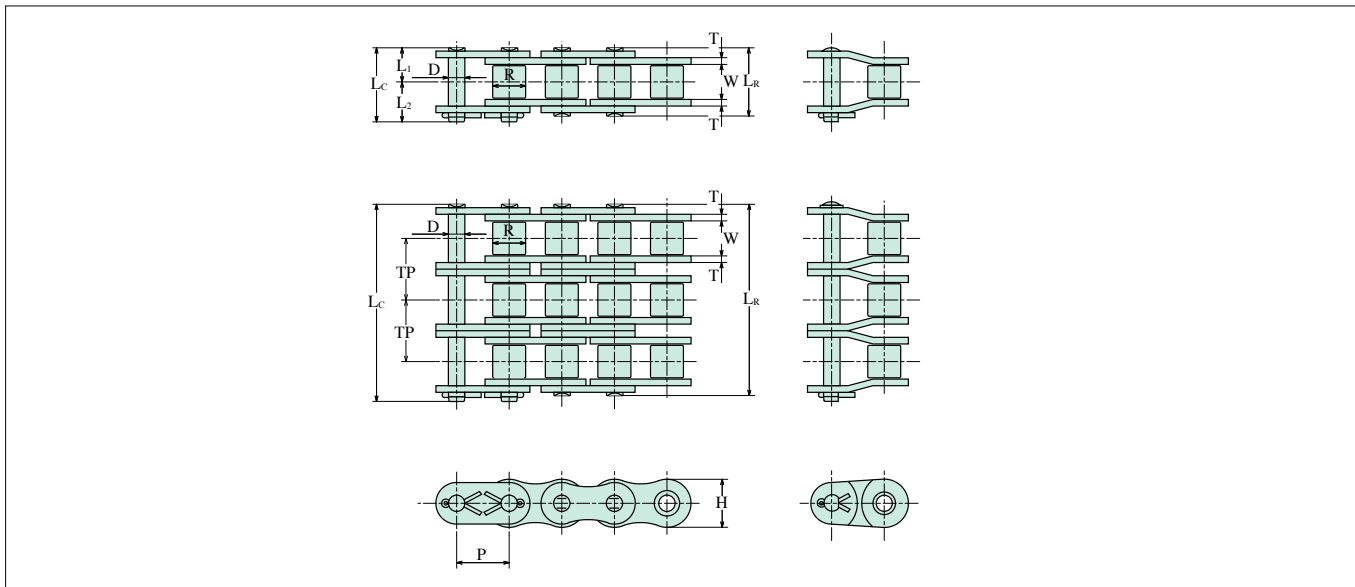
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																						
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1800			
	A						B						C						D				
11	1.27	2.90	5.41	10.10	14.50	18.80	27.10	35.10	43.00	37.60	29.90	24.40	20.50	17.50	15.20	13.30	11.80	10.60	9.50	7.20			
12	1.40	3.18	5.94	11.10	16.00	20.70	29.80	38.60	47.20	42.90	34.00	27.90	23.30	19.90	17.30	15.20	13.40	12.00	10.80	8.30			
13	1.52	3.47	6.48	12.10	17.40	22.60	32.50	42.10	51.50	48.40	38.40	31.40	26.30	22.50	19.50	17.10	15.20	13.60	12.20	9.30			
14	1.65	3.76	7.02	13.10	18.90	24.40	35.20	45.60	55.70	54.00	42.90	35.10	29.40	25.10	21.80	19.10	16.90	15.20	13.70	10.40			
15	1.78	4.05	7.56	14.10	20.30	26.30	37.90	49.10	60.10	59.90	47.60	38.90	32.60	27.90	24.10	21.20	18.80	16.80	15.20	11.50			
16	1.90	4.34	8.11	15.10	21.80	28.20	40.70	52.70	64.40	66.00	52.40	42.90	35.90	30.70	26.60	23.30	20.70	18.50	16.70	12.70			
17	2.03	4.64	8.65	16.10	23.30	30.10	43.40	56.20	68.70	72.30	57.40	47.00	39.40	33.60	29.10	25.60	22.70	20.30	18.30	13.90			
18	2.16	4.93	9.21	17.20	24.70	32.10	46.20	59.80	73.10	78.80	62.50	51.20	42.90	36.60	31.70	27.90	24.70	22.10	19.90	15.20			
19	2.29	5.23	9.76	18.20	26.20	34.00	48.90	63.40	77.50	85.40	67.80	55.50	46.50	39.70	34.40	30.20	26.80	24.00	21.60	16.40			
20	2.42	5.53	10.30	19.20	27.70	35.90	51.70	67.00	81.90	92.30	73.20	59.90	50.20	42.90	37.20	32.60	28.90	25.90	23.30	17.80			
21	2.55	5.83	10.90	20.30	29.20	37.90	54.50	70.70	86.40	99.30	78.80	64.50	54.00	46.10	40.00	35.10	31.10	27.90	25.10	19.10			
22	2.69	6.13	11.40	21.30	30.70	39.80	57.30	74.30	90.80	106.00	84.50	69.10	57.90	49.50	42.90	37.60	33.40	29.90	26.90	20.50			
23	2.82	6.43	12.00	22.40	32.20	41.80	60.20	77.90	95.30	112.00	90.30	73.90	61.90	52.90	45.80	40.20	35.70	31.90	28.80	21.90			
24	2.95	6.73	12.60	23.40	33.80	43.70	63.00	81.60	99.80	118.00	96.20	78.80	66.00	56.40	48.90	42.90	38.00	34.00	30.70	23.30			
25	3.08	7.03	13.10	24.50	35.30	45.70	65.80	85.30	104.00	123.00	102.00	83.80	70.20	59.90	51.90	45.60	40.40	36.20	32.60	24.80			
26	3.22	7.34	13.70	25.60	36.80	47.70	68.70	89.00	109.00	128.00	109.00	88.80	74.40	63.60	55.10	48.40	42.90	38.40	34.60	26.30			
28	3.48	7.95	14.80	27.70	39.90	51.70	74.40	96.40	118.00	139.00	121.00	99.30	83.20	71.00	61.60	54.00	47.90	42.90	38.70	29.40			
30	3.75	8.56	16.00	29.80	43.00	55.70	80.20	104.00	127.00	150.00	135.00	110.00	92.30	78.80	68.30	59.90	53.10	47.60	42.90	32.60			
32	4.03	9.18	17.10	32.00	46.10	59.70	85.90	111.00	136.00	160.00	148.00	121.00	102.00	86.80	75.20	66.00	58.50	52.40	47.20	35.90			
35	4.43	10.10	18.90	35.20	50.70	65.70	94.70	123.00	150.00	177.00	170.00	139.00	116.00	99.30	86.00	75.50	67.00	59.90	54.00	41.10			
40	5.12	11.70	21.80	40.70	58.60	75.90	109.00	142.00	173.00	204.00	207.00	170.00	142.00	121.00	105.00	92.30	81.80	73.20	66.00	50.20			
45	5.82	13.30	24.80	46.20	66.60	86.20	124.00	161.00	197.00	232.00	247.00	202.00	170.00	145.00	125.00	110.00	97.60	87.40	78.80	59.90			

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

120



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1				L2			
120					49.50	53.40	24.80	28.60			—	167.00	39.50	5.76
120-2					94.90	98.80	47.50	51.30				334.00	51.70	11.49
120-3	38.10	25.40	22.23	11.10	140.30	144.20	70.20	74.00	35.10	4.80	45.40	501.00	76.00	17.20
120-4					186.10	190.00	93.10	96.90				668.00	100.00	22.92
120-5					231.50	235.40	115.80	119.60				835.00	119.00	28.65
120-6					276.90	280.80	138.50	142.30				1002.00	140.00	34.36

KILOWATT RATING OF 120

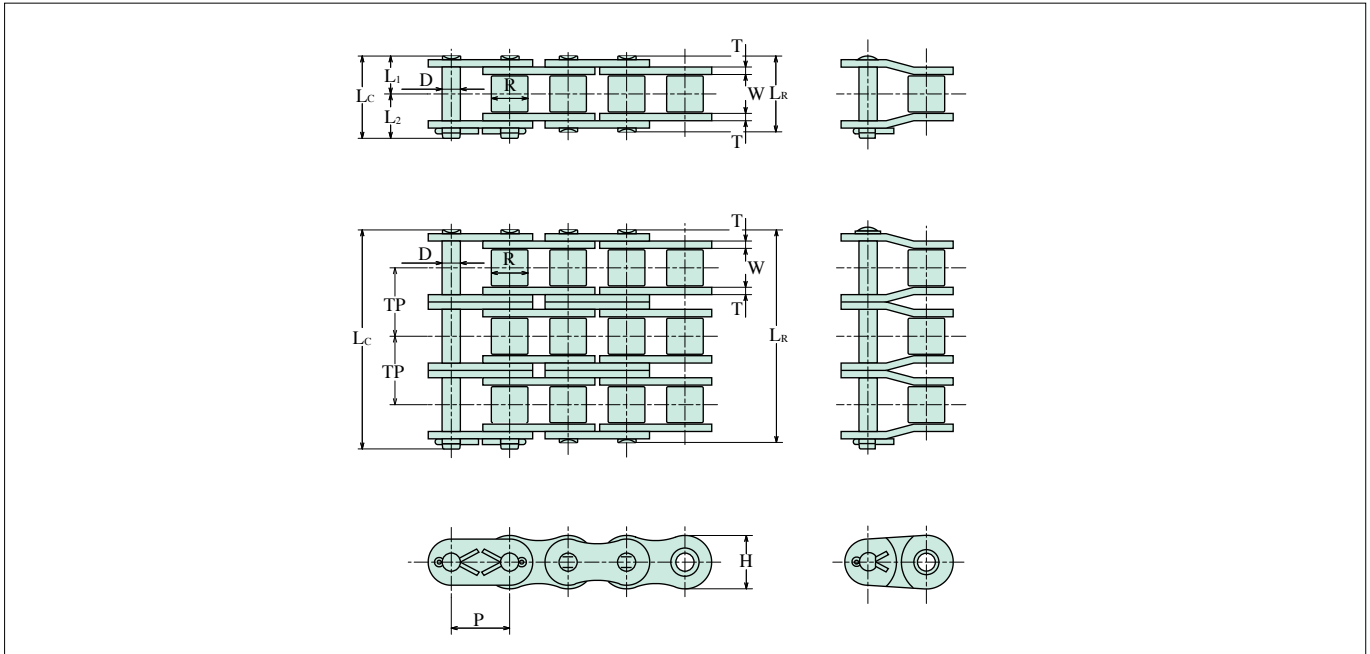
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																	
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
	Lubrication Method																	
	A			B			C						D					
11	2.04	4.66	8.70	16.20	23.40	30.30	43.60	56.50	57.20	43.50	34.60	28.30	23.70	20.20	17.50	15.40	13.70	12.20
12	2.24	5.12	9.55	17.80	25.70	33.30	47.90	62.10	65.20	49.60	39.40	32.20	27.00	23.10	20.00	17.50	15.60	13.90
13	2.45	5.58	10.40	19.40	28.00	36.30	52.20	67.70	73.50	55.90	44.40	36.30	30.50	26.00	22.50	19.80	17.50	15.70
14	2.65	6.05	11.30	21.10	30.30	39.30	56.60	73.30	82.20	62.50	49.60	40.60	34.00	29.10	25.20	22.10	19.60	17.50
15	2.86	6.52	12.20	22.70	32.70	42.30	61.00	79.00	91.10	69.30	55.00	45.00	37.70	32.20	27.90	24.50	21.70	19.50
16	3.06	6.99	13.00	24.30	35.00	45.40	65.40	84.70	100.00	76.40	60.60	49.60	41.60	35.50	30.80	27.00	24.00	21.40
17	3.27	7.46	13.90	26.00	37.40	48.50	69.80	90.40	110.00	83.70	66.40	54.30	45.50	38.90	33.70	29.60	26.20	23.50
18	3.48	7.93	14.80	27.60	39.80	51.60	74.30	96.20	118.00	91.10	72.30	59.20	49.60	42.40	36.70	32.20	28.60	25.60
19	3.69	8.41	15.70	29.30	42.20	54.70	78.70	102.00	125.00	98.80	78.40	64.20	53.80	45.90	39.80	34.90	31.00	27.70
20	3.90	8.89	16.60	31.00	44.60	57.80	83.20	108.00	132.00	107.00	84.70	69.30	58.10	49.60	43.00	37.70	33.50	30.00
21	4.11	9.37	17.50	32.60	47.00	60.90	87.70	114.00	139.00	115.00	91.10	74.60	62.50	53.40	46.30	40.60	36.00	32.20
22	4.32	9.85	18.40	34.30	49.40	64.00	92.20	119.00	146.00	123.00	97.70	80.00	67.00	57.20	49.60	43.50	38.60	34.60
23	4.53	10.30	19.30	36.00	51.90	67.20	96.80	125.00	153.00	132.00	104.00	85.50	71.70	61.20	53.00	46.50	41.30	36.90
24	4.75	10.80	20.20	37.70	54.30	70.30	101.00	131.00	160.00	140.00	111.00	91.10	76.40	65.20	56.50	49.60	44.00	39.40
25	4.96	11.30	21.10	39.40	56.70	73.50	106.00	137.00	168.00	149.00	118.00	96.90	81.20	69.30	60.10	52.70	46.80	41.90
26	5.17	11.80	22.00	41.10	59.20	76.70	110.00	143.00	175.00	158.00	126.00	103.00	86.10	73.50	63.70	55.90	49.60	44.40
28	5.60	12.80	23.90	44.50	64.10	83.10	120.00	155.00	190.00	177.00	140.00	115.00	96.30	82.20	71.20	62.50	55.40	49.60
30	6.04	13.80	25.70	48.00	69.10	89.50	129.00	167.00	204.00	196.00	156.00	127.00	107.00	91.10	79.00	69.30	61.50	55.00
32	6.47	14.80	27.60	51.40	74.10	96.00	138.00	179.00	219.00	216.00	171.00	140.00	118.00	100.00	87.00	76.40	67.70	60.60
35	7.13	16.30	30.40	56.70	81.60	106.00	152.00	197.00	241.00	247.00	196.00	161.00	135.00	115.00	99.60	87.40	77.50	69.30
40	8.24	18.80	35.10	65.40	94.30	122.00	176.00	228.00	279.00	302.00	240.00	196.00	164.00	140.00	122.00	107.00	94.70	84.70
45	9.36	21.30	39.80	74.30	107.00	139.00	200.00	259.00	316.00	360.00	286.00	234.00	196.00	167.00	145.00	127.00	113.00	101.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

140



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
140					54.00	58.30	27.00	31.30			—	216.00	52.30	7.41
140-2	44.45	25.40	25.40	12.70	102.90	107.20	51.50	55.70	40.90	5.60	48.90	432.00	68.30	14.63
140-3					151.70	156.30	75.90	80.40				648.00	101.00	21.91
140-4					201.20	205.50	100.60	104.90				864.00	133.00	29.17

KILOWATT RATING OF 140

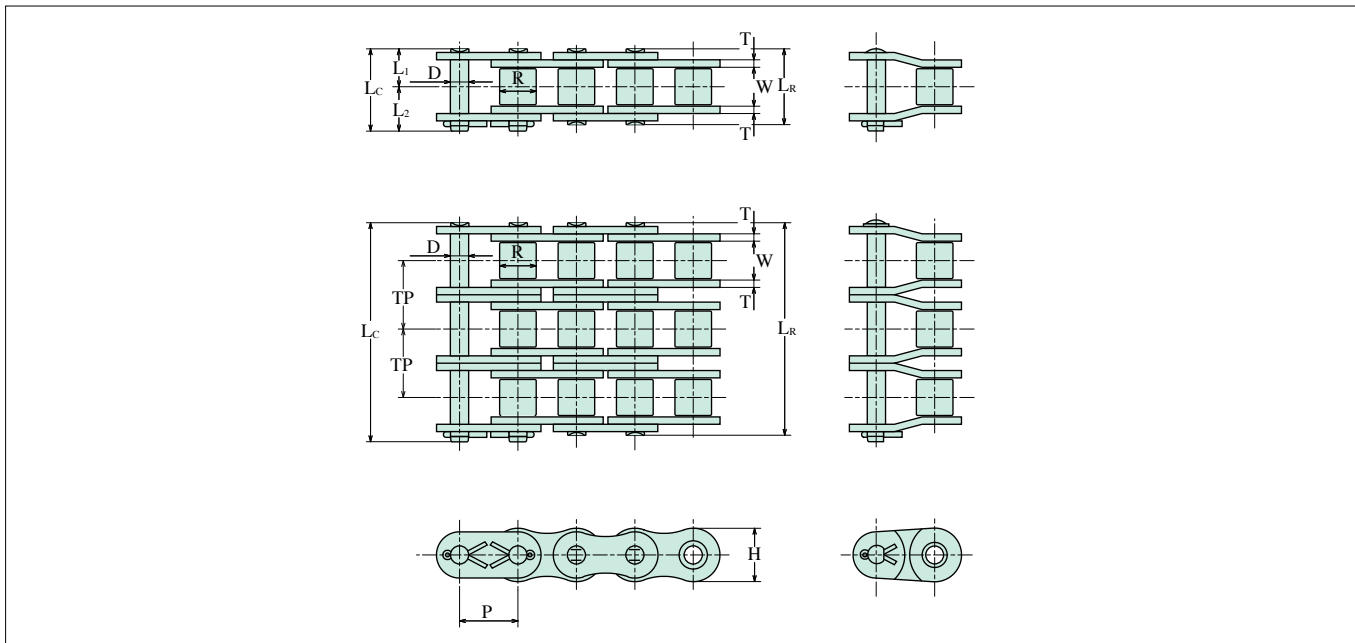
(kw)

No. of Teeth Small Spk.	Revolutions per Minute(RPM)-Small Sprocket																	
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000
	Lubrication Method																	
	A		B		C								D					
11	3.16	7.21	13.50	25.10	36.20	46.90	57.30	67.50	77.50	87.40	97.40	107.40	117.40	127.40	137.40	147.40	157.40	167.40
12	3.47	7.92	14.80	27.60	39.70	51.50	62.90	74.10	85.20	96.10	107.00	117.90	128.80	139.70	150.60	161.50	172.40	183.30
13	3.79	8.64	16.10	30.10	43.30	56.10	68.60	80.80	92.90	105.00	117.10	129.20	141.30	153.40	165.50	177.60	189.70	201.80
14	4.10	9.36	17.50	32.60	46.90	60.80	74.30	87.60	101.00	113.00	125.00	137.00	149.00	161.00	173.00	185.00	197.00	209.00
15	4.42	10.10	18.80	35.10	50.60	65.50	80.10	94.40	108.00	122.00	136.00	150.00	164.00	178.00	192.00	206.00	220.00	234.00
16	4.74	10.80	20.20	37.60	54.20	70.20	85.90	101.00	116.00	131.00	146.00	161.00	176.00	191.00	206.00	221.00	236.00	251.00
17	5.06	11.50	21.50	40.20	57.90	75.00	91.70	108.00	124.00	140.00	156.00	172.00	188.00	204.00	220.00	236.00	252.00	268.00
18	5.38	12.30	22.90	42.70	61.60	79.80	97.50	115.00	132.00	149.00	166.00	183.00	200.00	217.00	234.00	251.00	268.00	285.00
19	5.70	13.00	24.30	45.30	65.30	84.60	103.00	122.00	140.00	158.00	176.00	194.00	212.00	230.00	248.00	266.00	284.00	302.00
20	6.03	13.80	25.70	47.90	69.00	89.40	109.00	129.00	148.00	167.00	185.00	203.00	221.00	239.00	257.00	275.00	293.00	311.00
21	6.36	14.50	27.10	50.50	72.70	94.20	115.00	136.00	156.00	176.00	195.00	214.00	233.00	252.00	271.00	290.00	309.00	328.00
22	6.68	15.20	28.40	53.10	76.50	99.10	121.00	143.00	164.00	185.00	206.00	227.00	248.00	269.00	290.00	311.00	332.00	353.00
23	7.01	16.00	29.80	55.70	80.20	104.00	127.00	150.00	172.00	194.00	216.00	238.00	260.00	282.00	304.00	326.00	348.00	370.00
24	7.34	16.70	31.30	58.30	84.00	109.00	133.00	157.00	180.00	203.00	226.00	249.00	272.00	295.00	318.00	341.00	364.00	387.00
25	7.67	17.50	32.70	60.90	87.80	114.00	139.00	164.00	188.00	212.00	236.00	260.00	284.00	308.00	332.00	356.00	380.00	404.00
26	8.00	18.30	34.10	63.60	91.60	119.00	145.00	171.00	196.00	221.00	246.00	271.00	296.00	321.00	346.00	371.00	396.00	421.00
28	8.67	19.80	36.90	68.90	99.20	129.00	157.00	185.00	213.00	240.00	267.00	294.00	321.00	348.00	375.00	402.00	429.00	456.00
30	9.34	21.30	39.80	74.20	107.00	138.00	169.00	199.00	229.00	258.00	287.00	316.00	345.00	374.00	403.00	432.00	461.00	490.00
32	10.00	22.80	42.60	79.60	115.00	148.00	182.00	214.00	246.00	277.00	308.00	339.00	370.00	401.00	432.00	463.00	494.00	525.00
35	11.00	25.20	47.00	87.70	126.00	164.00	200.00	236.00	271.00	305.00	339.00	373.00	407.00	441.00	475.00	509.00	543.00	577.00
40	12.70	29.10	54.30	101.00	146.00	189.00	231.00	272.00	313.00	353.00	392.00	431.00	470.00	509.00	548.00	587.00	626.00	665.00
45	14.50	33.00	61.60	115.00	166.00	215.00	262.00	309.00	355.00	400.00	445.00	490.00	535.00	580.00	625.00	670.00	715.00	760.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

160



Chain No.	Dimensions - mm											Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length			Height	Thick.					
P	W	R	D	LR	LC	L1	L2	H	T	TP	kN	kN	kg/m	
160					64.30	68.70	32.20	36.50			—	275.00	69.00	9.79
160-2	50.80	31.75	28.58	14.28	122.80	127.20	61.40	65.80	46.70	6.40	58.50	550.00	90.10	19.45
160-3					181.30	185.70	90.70	95.00				825.00	133.00	29.17
160-4					240.30	244.70	120.20	124.50				1100.00	175.00	38.77

KILOWATT RATING OF 160

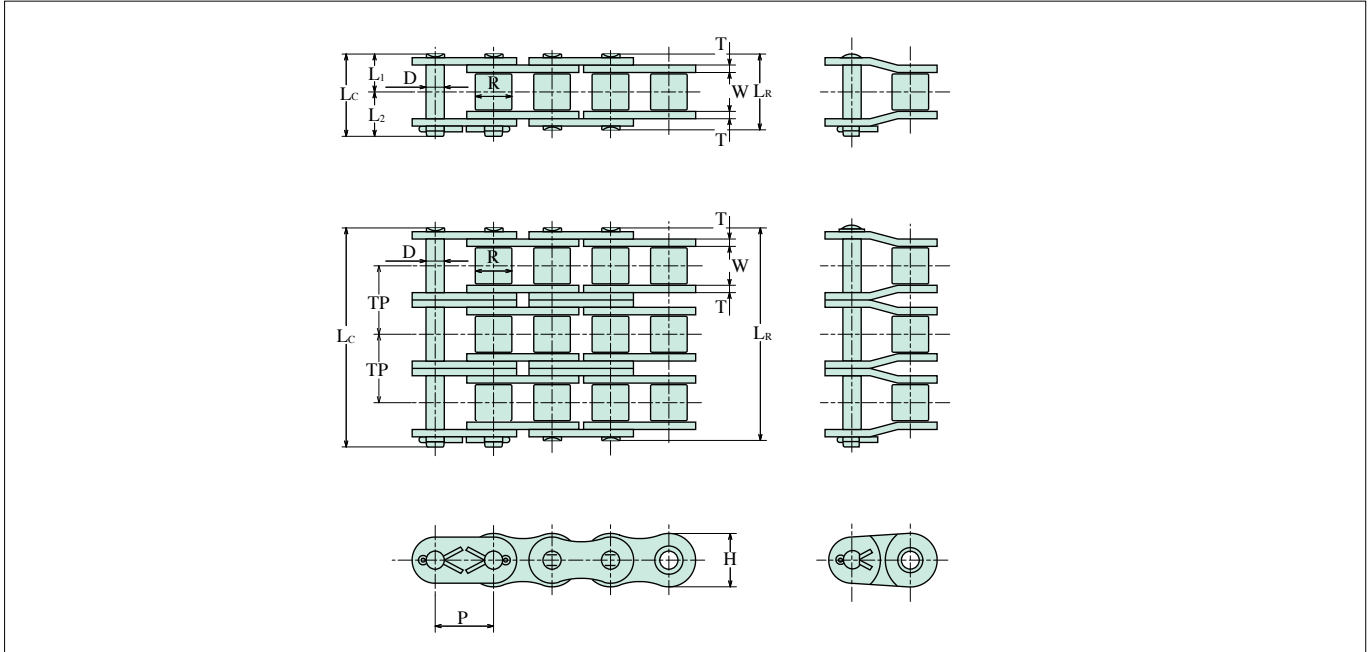
(kw)

No. of Teeth Small Splt.	Revolutions per Minute(RPM)-Small Sprocket																	
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	Lubrication Method																	
	A		B		C						D							
11	4.80	10.90	20.30	37.80	54.40	70.50	86.20	102.00	117.00	101.00	84.40	72.10	62.50	54.80	48.60	43.50	39.20	35.60
12	5.20	11.90	22.30	41.50	59.80	77.50	94.70	112.00	128.00	115.00	96.20	82.10	71.20	62.50	55.40	49.60	44.70	40.60
13	5.70	13.00	24.30	45.30	65.20	84.50	103.00	122.00	140.00	129.00	108.00	92.60	80.20	70.40	62.50	55.90	50.40	45.70
14	6.20	14.10	26.30	49.00	70.60	91.50	112.00	132.00	151.00	145.00	121.00	103.00	89.70	78.70	69.80	62.50	56.30	51.10
15	6.70	15.20	28.30	52.80	76.10	98.60	121.00	142.00	163.00	160.00	134.00	115.00	99.00	87.30	77.40	69.30	62.50	56.70
16	7.10	16.30	30.40	56.70	81.60	106.00	129.00	152.00	175.00	177.00	148.00	126.00	110.00	96.20	85.30	76.30	68.80	62.50
17	7.60	17.40	32.40	60.50	87.10	113.00	138.00	163.00	187.00	193.00	162.00	138.00	120.00	105.00	93.40	83.60	75.40	68.40
18	8.10	18.50	34.50	64.30	92.70	120.00	147.00	173.00	199.00	211.00	177.00	151.00	131.00	115.00	102.00	91.00	82.10	74.50
19	8.60	19.60	36.60	68.20	98.20	127.00	156.00	183.00	211.00	229.00	192.00	164.00	142.00	124.00	110.00	98.70	89.00	80.80
20	9.10	20.70	38.60	72.10	104.00	135.00	164.00	194.00	223.00	247.00	207.00	177.00	153.00	134.00	119.00	107.00	96.20	87.30
21	9.60	21.80	40.70	76.00	109.00	142.00	173.00	204.00	235.00	265.00	223.00	190.00	165.00	145.00	128.00	115.00	103.00	93.90
22	10.10	22.90	42.80	79.90	115.00	149.00	182.00	215.00	247.00	278.00	239.00	204.00	177.00	155.00	137.00	123.00	111.00	101.00
23	10.60	24.10	44.90	83.80	121.00	156.00	191.00	225.00	259.00	292.00	255.00	218.00	189.00	166.00	147.00	132.00	119.00	108.00
24	11.10	25.20	47.00	87.80	126.00	164.00	200.00	236.00	271.00	306.00	272.00	232.00	201.00	177.00	157.00	140.00	126.00	115.00
25	11.50	26.30	49.20	91.70	132.00	171.00	209.00	247.00	283.00	319.00	289.00	247.00	214.00	188.00	167.00	149.00	134.00	122.00
26	12.00	27.50	51.30	95.70	138.00	179.00	218.00	257.00	296.00	333.00	307.00	262.00	227.00	199.00	177.00	158.00	143.00	129.00
28	13.10	29.80	55.60	104.00	149.00	193.00	237.00	279.00	320.00	361.00	343.00	293.00	254.00	223.00	197.00	177.00	159.00	145.00
30	14.10	32.10	59.90	112.00	161.00	208.00	255.00	300.00	345.00	389.00	380.00	325.00	281.00	247.00	219.00	196.00	177.00	160.00
32	15.10	34.40	64.20	120.00	173.00	223.00	273.00	322.00	370.00	417.00	419.00	358.00	310.00	272.00	241.00	216.00	195.00	177.00
35	16.60	37.90	70.70	132.00	190.00	246.00	301.00	355.00	407.00	459.00	479.00	409.00	354.00	311.00	276.00	247.00	223.00	202.00
40	19.20	43.80	81.70	152.00	220.00	284.00	348.00	410.00	471.00	531.00	585.00	500.00	433.00	380.00	337.00	302.00	272.00	247.00
45	21.80	49.70	92.70	173.00	249.00	323.00	395.00	465.00	534.00	603.00	670.00	596.00	517.00	454.00	402.00	360.00	325.00	295.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

180



Chain No.	Dimensions - mm											Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length			Height	Thick.					
		P	W	R	D	LR	LC	L1	L2		H			
180					72.50	78.40	36.30	42.10			—	353.00	79.00	13.39
180-2	57.15	35.70	35.70	17.45	138.20	144.00	69.10	74.90	52.50	7.20	65.80	706.00	98.40	26.62
180-3					204.50	210.20	102.30	107.90				1059.00	145.00	39.85
180-4					270.20	275.90	135.10	140.80				1412.00	191.00	53.08

KILOWATT RATING OF 180

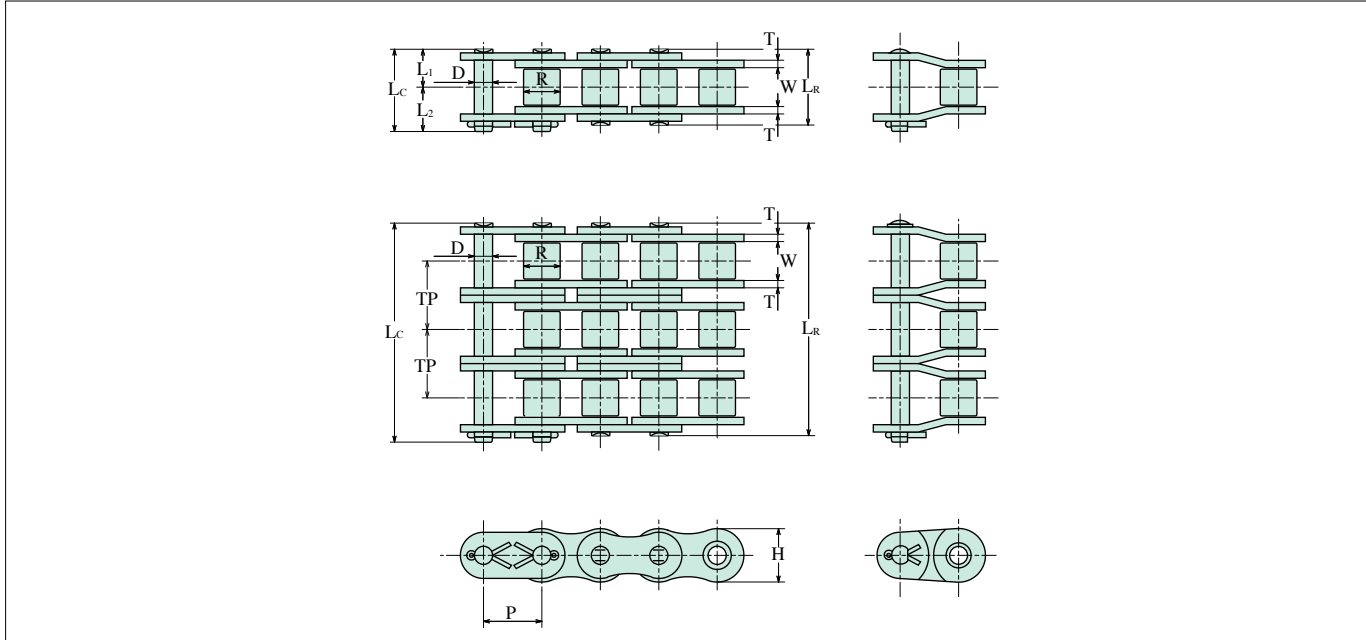
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																	
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	Lubrication Method																	
	A	B	C								D							
9	5.10	11.60	21.70	40.50	58.34	75.60	92.40	109.00	100.00	81.90	68.60	58.60	50.80	44.60	39.50	35.40	31.90	29.00
10	5.70	13.00	24.30	45.40	65.37	84.70	104.00	122.00	117.00	95.90	80.40	68.60	59.50	52.20	46.30	41.40	37.40	33.90
11	6.30	14.40	27.00	50.30	72.46	93.90	115.00	135.00	135.00	111.00	92.70	79.20	68.60	60.20	53.40	47.80	43.10	39.10
12	7.00	15.90	29.60	55.30	79.60	103.00	126.00	149.00	154.00	126.00	106.00	90.20	78.20	68.60	60.90	54.50	49.10	44.60
13	7.60	17.30	32.30	60.30	86.79	112.00	137.00	162.00	174.00	142.00	119.00	102.00	88.20	77.40	68.60	61.40	55.40	50.30
14	8.20	18.70	35.00	65.30	94.02	122.00	149.00	175.00	194.00	159.00	133.00	114.00	98.50	86.50	76.70	68.60	61.90	56.20
15	8.90	20.20	37.70	70.30	101.00	131.00	160.00	189.00	215.00	176.00	148.00	126.00	109.00	95.90	85.10	76.10	68.60	62.30
16	9.50	21.70	40.40	75.40	109.00	141.00	172.00	203.00	233.00	194.00	163.00	139.00	120.00	106.00	93.70	83.80	75.60	68.60
17	10.10	23.10	43.10	80.50	116.00	150.00	184.00	216.00	249.00	213.00	178.00	152.00	132.00	116.00	103.00	91.80	82.80	75.20
18	10.80	24.60	45.90	85.60	123.00	160.00	195.00	230.00	264.00	232.00	194.00	166.00	144.00	126.00	112.00	100.00	90.20	81.90
19	11.40	26.10	48.60	90.80	131.00	169.00	207.00	244.00	280.00	251.00	210.00	180.00	156.00	137.00	121.00	108.00	97.80	88.80
20	12.10	27.60	51.40	95.90	138.00	179.00	219.00	258.00	296.00	271.00	227.00	194.00	168.00	148.00	131.00	117.00	106.00	95.90
21	12.70	29.00	54.20	101.00	146.00	189.00	231.00	272.00	312.00	292.00	245.00	209.00	181.00	159.00	141.00	126.00	114.00	103.00
22	13.40	30.50	57.00	106.00	153.00	198.00	243.00	286.00	328.00	313.00	262.00	224.00	194.00	170.00	151.00	135.00	122.00	111.00
23	14.00	32.00	59.80	112.00	161.00	208.00	255.00	300.00	345.00	335.00	280.00	239.00	207.00	182.00	161.00	145.00	130.00	118.00
24	14.70	33.50	62.60	117.00	168.00	218.00	266.00	314.00	361.00	357.00	299.00	255.00	221.00	194.00	172.00	154.00	139.00	126.00
25	15.40	35.10	65.40	122.00	176.00	228.00	279.00	328.00	377.00	379.00	318.00	271.00	235.00	206.00	183.00	164.00	148.00	134.00
26	16.00	36.60	68.30	127.00	183.00	238.00	291.00	342.00	393.00	402.00	337.00	288.00	249.00	219.00	194.00	174.00	157.00	142.00
28	17.40	39.60	73.90	138.00	199.00	257.00	315.00	371.00	426.00	449.00	377.00	322.00	279.00	245.00	217.00	194.00	175.00	159.00
30	18.70	42.70	79.70	149.00	214.00	277.00	339.00	400.00	459.00	498.00	418.00	357.00	309.00	271.00	241.00	215.00	194.00	176.00
32	20.10	45.80	85.40	159.00	230.00	297.00	364.00	428.00	492.00	549.00	460.00	393.00	340.00	299.00	265.00	237.00	214.00	194.00
35	22.10	50.40	94.10	176.00	253.00	328.00	401.00	472.00	542.00	611.00	526.00	449.00	389.00	342.00	303.00	271.00	245.00	222.00
40	25.50	58.20	109.00	203.00	292.00	378.00	463.00	545.00	626.00	706.00	643.00	549.00	476.00	418.00	370.00	331.00	299.00	271.00
45	29.00	66.10	123.00	230.00	332.00	430.00	525.00	619.00	711.00	802.00	767.00	655.00	568.00	498.00	442.00	395.00	357.00	324.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

200



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length		Height H	Thick. T						
					LR	LC	L1	L2						
200					78.50	87.00	39.30	47.70			—	451.00	93.00	16.93
200-2	63.50	38.10	39.68	19.84	150.20	158.70	75.10	83.60	59.50	8.00		902.00	122.00	33.73
200-3					221.70	230.20	110.90	119.30			71.60	1353.00	179.00	50.53
200-4					293.30	302.40	146.70	155.70				1804.00	236.00	67.34

KILOWATT RATING OF 200

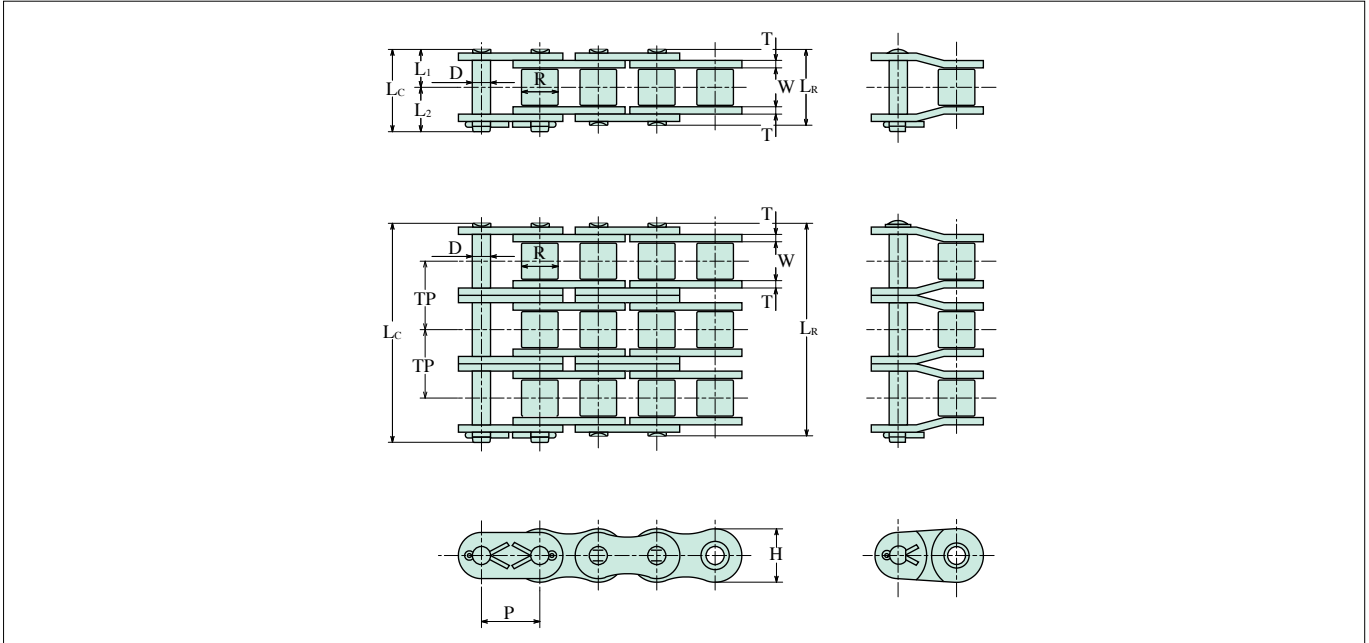
(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																	
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600
	Lubrication Method																	
	A			B				C					D					
9	6.80	9.80	12.60	18.20	23.60	28.80	39.00	53.78	77.50	100.00	123.00	137.00	109.00	89.10	74.70	63.70	55.30	48.50
10	7.60	10.90	14.20	20.40	26.40	32.30	43.70	60.26	86.80	112.00	137.00	161.00	127.00	104.00	87.40	74.70	64.70	56.80
11	8.40	12.10	15.70	22.60	29.30	35.80	48.50	66.79	96.20	125.00	152.00	180.00	147.00	120.00	101.00	86.10	74.70	65.50
12	9.20	13.30	17.20	24.80	32.20	39.30	53.20	73.37	106.00	137.00	167.00	197.00	168.00	137.00	115.00	98.10	85.10	74.70
13	10.10	14.50	18.80	27.10	35.10	42.90	58.00	80.00	115.00	149.00	182.00	215.00	189.00	155.00	130.00	111.00	95.90	84.20
14	10.90	15.70	20.40	29.30	38.00	46.40	62.90	86.66	125.00	162.00	198.00	233.00	211.00	173.00	145.00	124.00	107.00	94.10
15	11.80	16.90	21.90	31.60	40.90	50.00	67.70	93.37	134.00	174.00	213.00	251.00	234.00	192.00	161.00	137.00	119.00	104.00
16	12.60	18.20	23.50	33.90	43.90	53.60	72.60	100.00	144.00	187.00	228.00	269.00	258.00	211.00	177.00	151.00	131.00	115.00
17	13.50	19.40	25.10	36.20	46.90	57.30	77.50	107.00	154.00	199.00	244.00	287.00	283.00	231.00	194.00	165.00	143.00	126.00
18	14.30	20.60	26.70	38.50	49.80	60.90	82.50	114.00	164.00	212.00	259.00	306.00	308.00	252.00	211.00	180.00	156.00	137.00
19	15.20	21.90	28.30	40.80	52.80	64.60	87.40	121.00	174.00	225.00	275.00	324.00	334.00	273.00	229.00	196.00	169.00	149.00
20	16.00	23.10	29.90	43.10	55.80	68.30	92.40	127.00	183.00	238.00	291.00	342.00	361.00	295.00	247.00	211.00	183.00	161.00
21	16.90	24.30	31.50	45.40	58.90	72.00	97.40	134.00	193.00	251.00	306.00	361.00	388.00	318.00	266.00	227.00	197.00	173.00
22	17.80	25.60	33.20	47.80	61.90	75.70	102.00	141.00	203.00	263.00	322.00	380.00	416.00	340.00	285.00	244.00	211.00	185.00
23	18.60	26.90	34.80	50.10	64.90	79.40	107.00	148.00	213.00	276.00	338.00	398.00	445.00	364.00	305.00	260.00	226.00	198.00
24	19.50	28.10	36.40	52.50	68.00	83.10	113.00	155.00	223.00	289.00	354.00	417.00	474.00	388.00	325.00	278.00	241.00	211.00
25	20.40	29.40	38.10	54.90	71.10	86.90	118.00	162.00	233.00	302.00	370.00	436.00	501.00	412.00	346.00	295.00	256.00	225.00
26	21.30	30.70	39.70	57.20	74.10	90.60	123.00	169.00	244.00	316.00	386.00	455.00	522.00	437.00	367.00	313.00	271.00	238.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.

240



Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
240					96.40	104.10	48.20	55.90			—	677.00	129.00	23.64
240-2	76.20	47.63	47.63	23.80	184.20	191.80	92.10	99.70	70.30	9.50	87.80	1354.00	167.00	47.13
240-3					272.00	279.60	136.00	143.60				2031.00	245.00	70.61
240-4					359.80	367.40	179.90	187.50				2708.00	324.00	94.09

KILOWATT RATING OF 240

(kw)

No. of Teeth Small Spkt	Revolutions per Minute(RPM)-Small Sprocket																	
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350
	Lubrication Method																	
	A				B				C				D					
9	5.80	10.90	15.70	20.30	24.90	29.30	38.00	46.40	54.70	70.90	86.60	106.00	125.00	143.00	162.00	198.00	159.00	126.00
10	6.50	12.20	17.60	22.80	27.90	32.80	42.50	52.00	61.30	79.40	97.10	119.00	140.00	161.00	181.00	221.00	186.00	147.00
11	7.30	13.50	19.50	25.30	30.90	36.40	47.20	57.60	67.90	88.00	108.00	131.00	155.00	178.00	201.00	245.00	241.00	170.00
12	8.00	14.90	21.40	27.80	33.90	40.00	51.80	63.30	74.60	96.70	118.00	144.00	170.00	196.00	221.00	270.00	244.00	194.00
13	8.70	16.20	23.40	30.30	37.00	43.60	56.50	69.00	81.40	105.00	129.00	157.00	186.00	213.00	240.00	294.00	275.00	219.00
14	9.40	17.60	25.30	32.80	40.10	47.20	61.20	74.80	88.10	114.00	140.00	171.00	201.00	231.00	260.00	318.00	308.00	244.00
15	10.10	18.90	27.30	35.30	43.20	50.90	65.90	80.60	95.00	123.00	150.00	184.00	217.00	249.00	281.00	343.00	341.00	271.00
16	10.90	20.30	29.20	37.90	46.30	54.60	70.70	86.40	102.00	132.00	161.00	197.00	232.00	267.00	301.00	368.00	376.00	299.00
17	11.60	21.70	31.20	40.40	49.40	58.20	75.50	92.20	109.00	141.00	172.00	210.00	248.00	285.00	321.00	393.00	412.00	327.00
18	12.40	23.10	33.20	43.00	52.60	62.00	80.30	98.10	116.00	150.00	183.00	224.00	264.00	303.00	342.00	418.00	449.00	356.00
19	13.10	24.40	35.20	45.60	55.70	65.70	85.10	104.00	123.00	159.00	194.00	237.00	280.00	321.00	362.00	443.00	487.00	386.00
20	13.80	25.80	37.20	48.20	58.90	69.40	89.90	110.00	130.00	168.00	205.00	251.00	296.00	340.00	383.00	468.00	526.00	417.00
21	14.60	27.20	39.20	50.80	62.10	73.20	94.80	116.00	137.00	177.00	216.00	264.00	312.00	358.00	404.00	493.00	566.00	449.00
22	15.30	28.60	41.20	53.40	65.30	77.00	99.70	122.00	144.00	186.00	227.00	278.00	328.00	376.00	424.00	519.00	607.00	481.00
23	16.10	30.00	43.30	56.10	68.50	80.70	105.00	128.00	151.00	195.00	239.00	292.00	344.00	395.00	445.00	544.00	641.00	514.00
24	16.90	31.50	45.30	58.70	71.70	84.50	110.00	134.00	158.00	204.00	250.00	305.00	360.00	413.00	466.00	570.00	671.00	548.00
25	17.60	32.90	47.30	61.30	75.00	88.30	114.00	140.00	165.00	214.00	261.00	319.00	376.00	432.00	487.00	596.00	702.00	583.00
26	18.40	34.30	49.40	64.00	78.20	92.20	119.00	146.00	172.00	223.00	272.00	333.00	392.00	451.00	508.00	621.00	732.00	618.00

Note: Lubricated types A, B, C and D on the table are shown on page 70.

: Whenever possible, selection should not be made from the colored sections of the table.