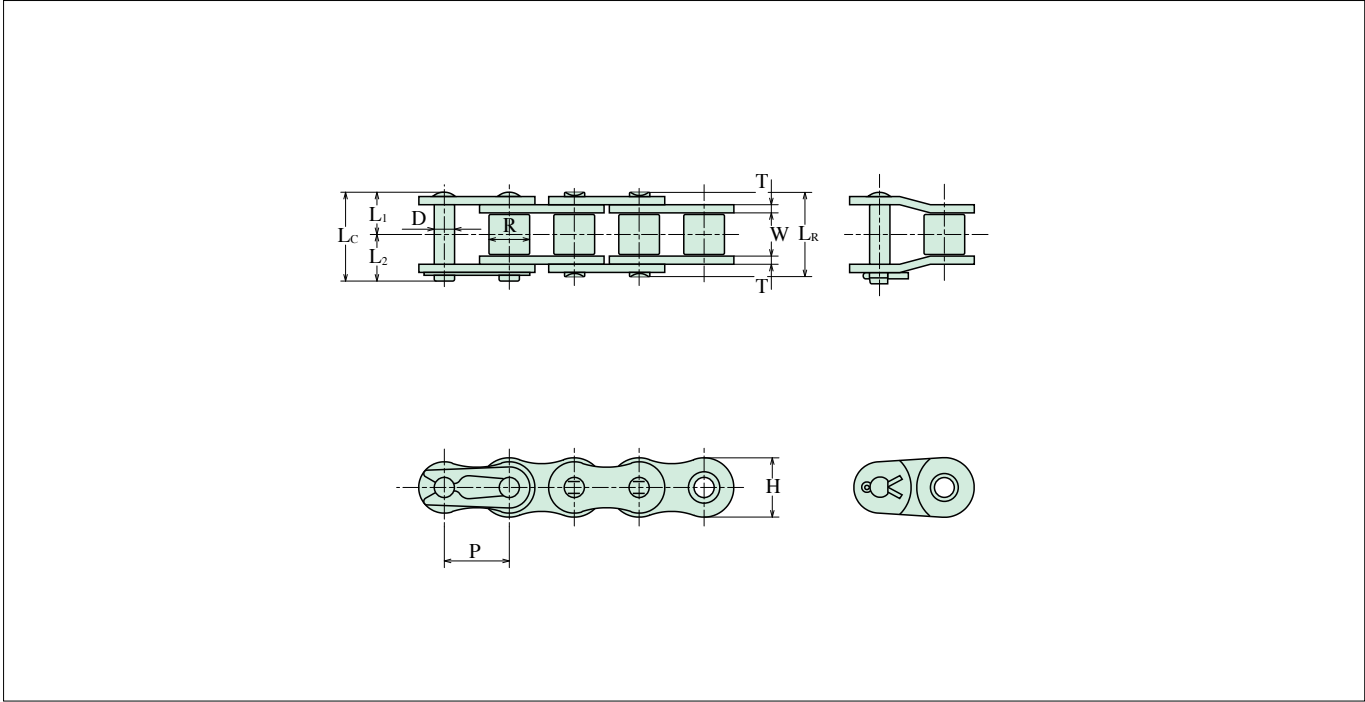


ANSI Standard Roller Chains

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

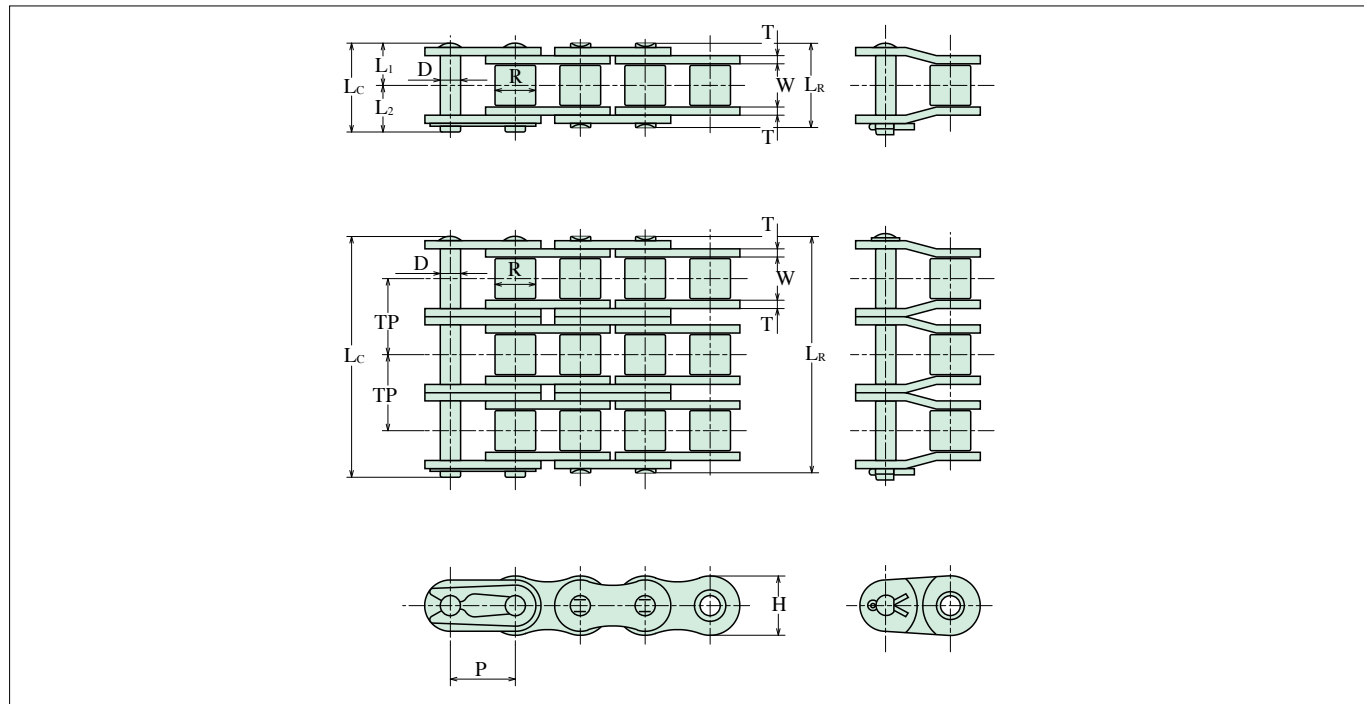
(kW)

No. of Teeth Small Spkt	Revolutions per Minute(r/min)-Small Sprocket																			
	100	500	900	1200	1800	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
	Lubrication System																			
	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

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												10.80	2.48	0.34
35-2	9.525	4.80	5.08	3.58	12.00	12.90	6.00	6.90	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

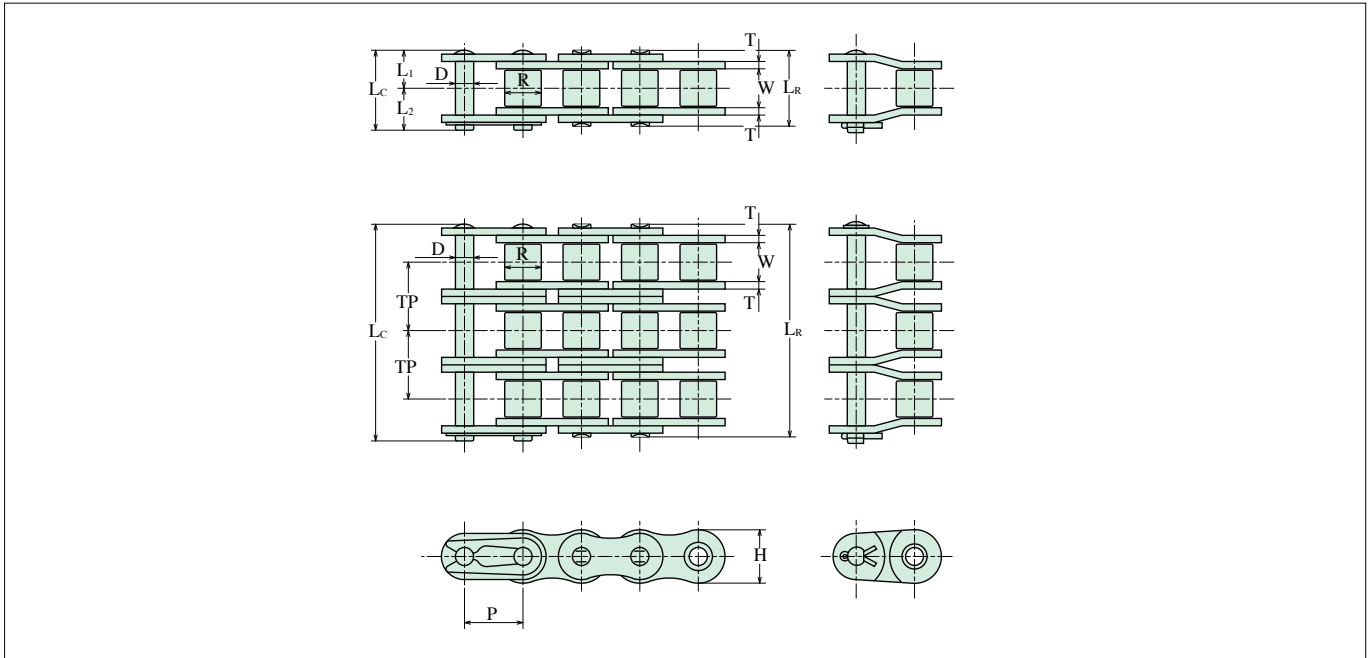
(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
	Lubrication System																			
	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 P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T					
					LR	LC	L1	L2						
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		38.20	6.17	1.22
40-3					45.00	46.60	22.50	24.10			14.40	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

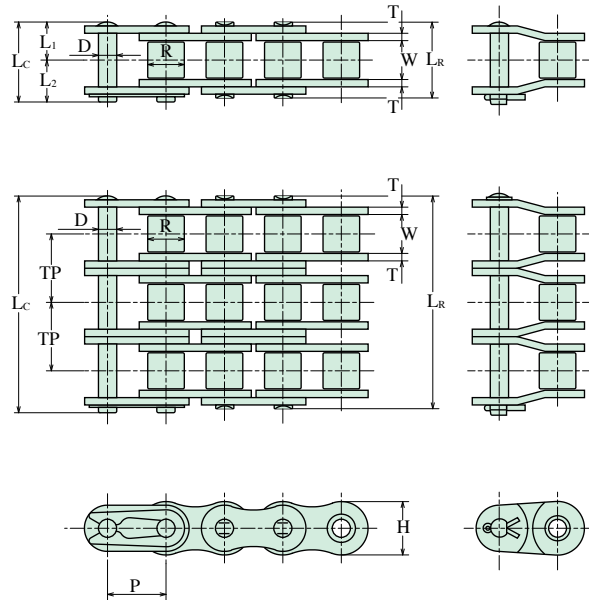
(kW)

No. of Teeth Small Spt.	Revolutions per Minute(r/min)-Small Sprocket																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
	Lubrication System																			
	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	10.8	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	10.6	11.6	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	11.6	12.8	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	10.7	13.5	14.8	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	12.2	15.3	16.8	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						
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	

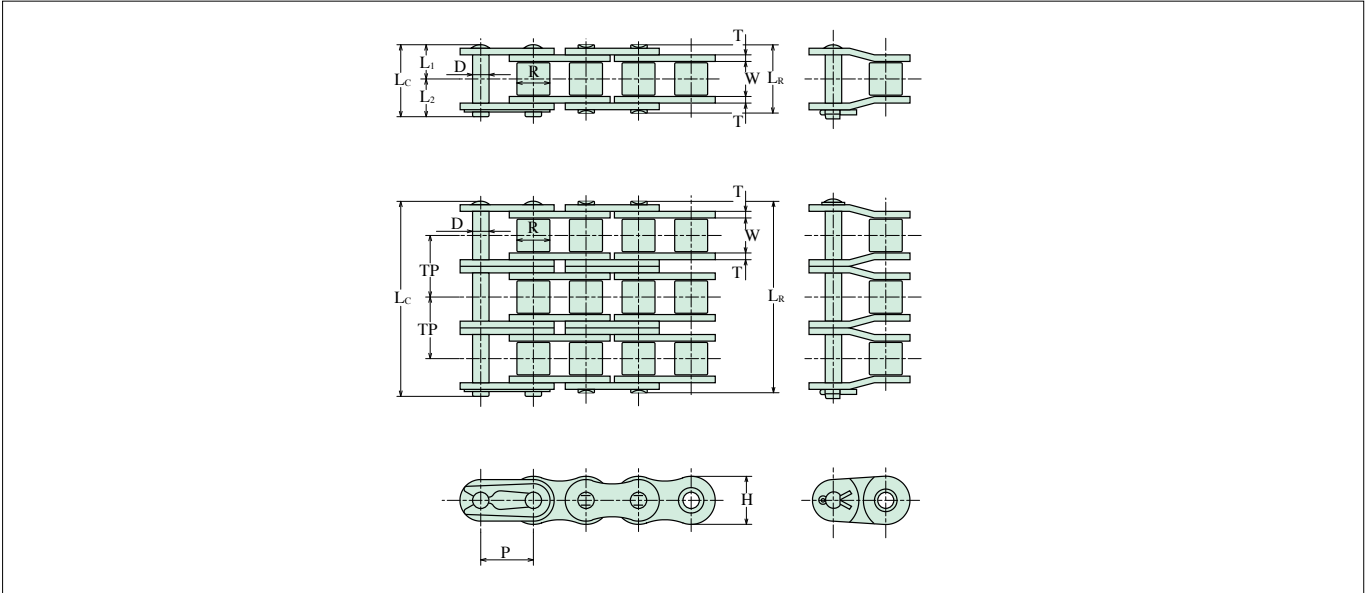
KILOWATT RATING OF 50

(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
	Lubrication System																			
	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	10.92	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	11.76	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	12.61	10.64	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	10.39	11.43	13.46	11.65	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	11.05	12.15	14.32	12.69	10.39	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	11.72	12.88	15.18	13.77	11.27	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	12.39	13.62	16.05	14.87	12.17	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	10.41	13.06	14.35	16.91	16.00	13.09	10.97	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	10.95	13.73	15.09	17.79	17.15	14.04	11.77	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	11.49	14.40	15.84	18.66	18.34	15.01	12.58	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	12.03	15.08	16.58	19.54	19.54	16.00	13.41	10.64	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	12.57	15.76	17.33	20.42	20.78	17.01	14.25	11.31	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	13.11	16.44	18.08	21.30	22.04	18.04	15.12	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	10.49	14.21	17.81	19.58	23.08	24.63	20.16	16.89	13.41	10.97	9.20	7.85	6.23
30	0.33	0.76	1.42	2.66	4.96	7.14	9.25	11.31	15.31	19.19	21.10	24.86	27.31	22.36	18.74	14.87	12.17	10.20	8.71	6.91
32	0.36	0.82	1.53	2.85	5.31	7.66	9.92	12.12	16.41	20.58	22.62	26.66	30.09	24.63	20.64	16.38	13.41	11.23	9.59	7.61
35	0.39	0.90	1.68	3.14	5.85	8.43	10.93	13.35	18.08	22.67	24.92	29.37	33.74	28.17	23.61	18.74	15.33	12.85	10.97	8.71
40	0.46	1.04	1.94	3.62	6.76	9.74	12.62	15.43	20.88	26.18	28.79	33.92	38.97	34.42	28.85	22.89	18.74	15.70	13.41	10.64
45	0.52	1.18	2.21	4.12	7.68	11.06	14.33	17.52	23.72	29.73	32.69	38.52	44.25	41.07	34.42	27.31	22.36	18.74	16.00	12.69

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 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			
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	19.05	12.70	11.91	5.95	71.20	72.60	35.20	37.40	17.40	2.40	22.80	129.00	21.60	4.43
60-4					94.40	95.40	47.20	48.20				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

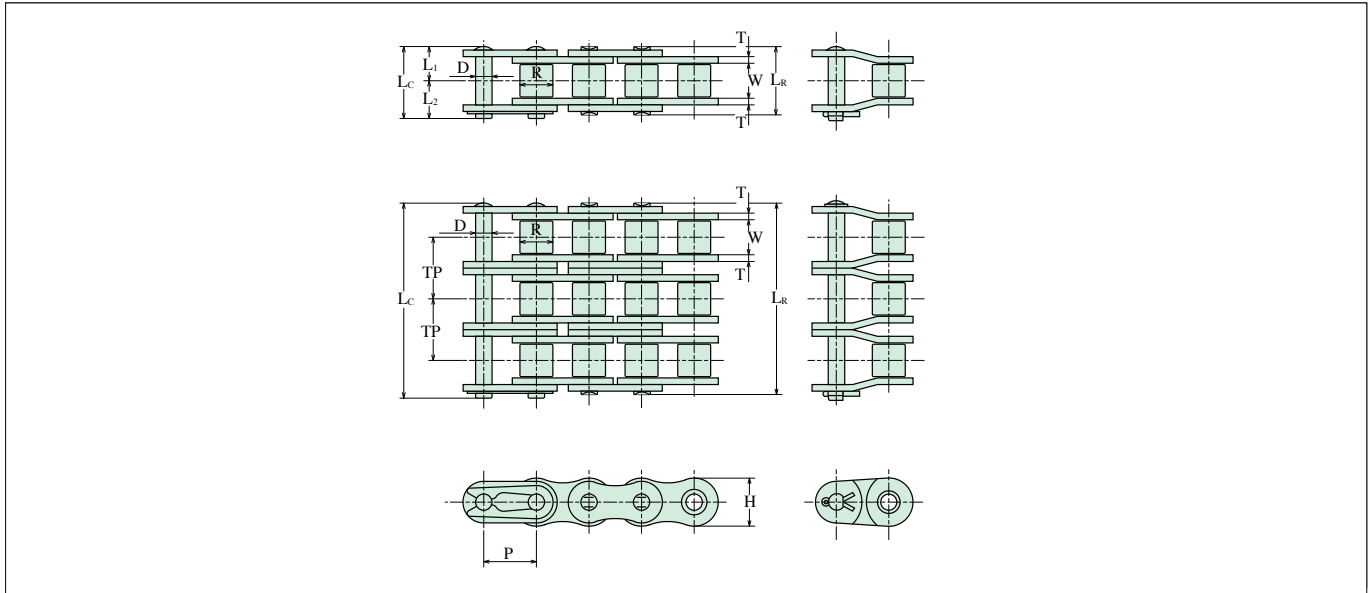
KILOWATT RATING OF 60

(kW)

No. of Teeth Small Spk.	Revolutions per Minute(r/min)-Small Sprocket																				
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	
	Lubrication System																				
	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	10.91	12.13	11.62	10.07	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	10.63	11.99	13.33	13.24	11.48	10.07	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	10.09	11.59	13.07	14.53	14.93	12.94	11.36	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	10.93	12.55	14.16	15.74	16.69	14.47	12.70	10.07	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	11.77	13.52	15.25	16.96	18.51	16.04	14.08	11.17	9.15	7.66	6.54	
16	0.32	0.72	1.35	2.52	3.62	4.70	6.76	8.76	10.71	12.62	14.50	16.35	18.18	19.99	17.67	15.51	12.31	10.07	8.44	7.21	
17	0.34	0.77	1.44	2.69	3.87	5.01	7.22	9.36	11.44	13.48	15.48	17.46	19.41	21.34	19.36	16.99	13.48	11.03	9.25	7.90	
18	0.36	0.82	1.53	2.86	4.12	5.33	7.68	9.95	12.17	14.33	16.47	18.57	20.65	22.70	21.09	18.51	14.69	12.02	10.07	8.60	
19	0.38	0.87	1.62	3.03	4.36	5.65	8.14	10.55	12.90	15.20	17.46	19.69	21.89	24.07	22.87	20.07	15.93	13.04	10.93	9.33	
20	0.40	0.92	1.72	3.20	4.61	5.98	8.61	11.15	13.63	16.06	18.45	20.81	23.14	25.44	24.70	21.68	17.20	14.08	11.80	10.07	
21	0.42	0.97	1.81	3.38	4.86	6.30	9.07	11.75	14.37	16.93	19.45	21.94	24.39	26.81	26.58	23.32	18.51	15.15	12.70	10.84	
22	0.45	1.02	1.90	3.55	5.11	6.62	9.54	12.36	15.11	17.80	20.45	23.07	25.64	28.20	28.50	25.01	19.85	16.24	13.61	11.62	
23	0.47	1.07	2.00	3.72	5.36	6.95	10.01	12.97	15.85	18.68	21.46	24.20	26.91	29.58	30.46	26.73	21.21	17.36	14.55	12.42	
24	0.49	1.12	2.09	3.90	5.62	7.28	10.48	13.58	16.60	19.56	22.47	25.34	28.17	30.97	32.47	28.50	22.61	18.51	15.51	13.24	
25	0.51	1.17	2.18	4.08	5.87	7.60	10.95	14.19	17.35	20.44	23.48	26.48	29.44	32.37	34.52	30.30	24.04	19.68	16.49	14.08	
26	0.54	1.22	2.28	4.25	6.12	7.93	11.43	14.80	18.10	21.32	24.50	27.63	30.72	33.77	36.61	32.13	25.50	20.87	17.49	14.93	
28	0.58	1.32	2.47	4.61	6.63	8.59	12.38	16.04	19.60	23.10	26.54	29.93	33.27	36.58	39.86	35.91	28.50	23.32	19.55	16.69	
30	0.62	1.42	2.66	4.96	7.15	9.26	13.34	17.28	21.12	24.89	28.59	32.24	35.85	39.41	42.94	39.82	31.60	25.87	21.68	18.51	
32	0.67	1.53	2.85	5.32	7.66	9.93	14.30	18.53	22.65	26.68	30.66	34.57	38.44	42.26	46.04	43.87	34.82	28.50	23.88	20.39	
35	0.74	1.68	3.14	5.86	8.44	10.94	15.75	20.41	24.95	29.40	33.77	38.08	42.34	46.55	50.72	50.18	39.82	32.60	27.32	23.32	
40	0.85	1.94	3.63	6.77	9.75	12.63	18.20	23.57	28.82	33.96	39.01	43.99	48.91	53.78	58.59	61.31	48.66	39.82	33.37	28.50	
45	0.97	2.21	4.12	7.69	11.07	14.35	20.67	26.77	32.73	38.56	44.30	49.96	55.55	61.07	66.54	71.96	58.06	47.52	39.82	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					
	P	W	R	D	LR	LC	L1	L2	H	T	TP			
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		236.00	36.80	7.68
80-4					120.40	123.50	60.20	63.30			29.30	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

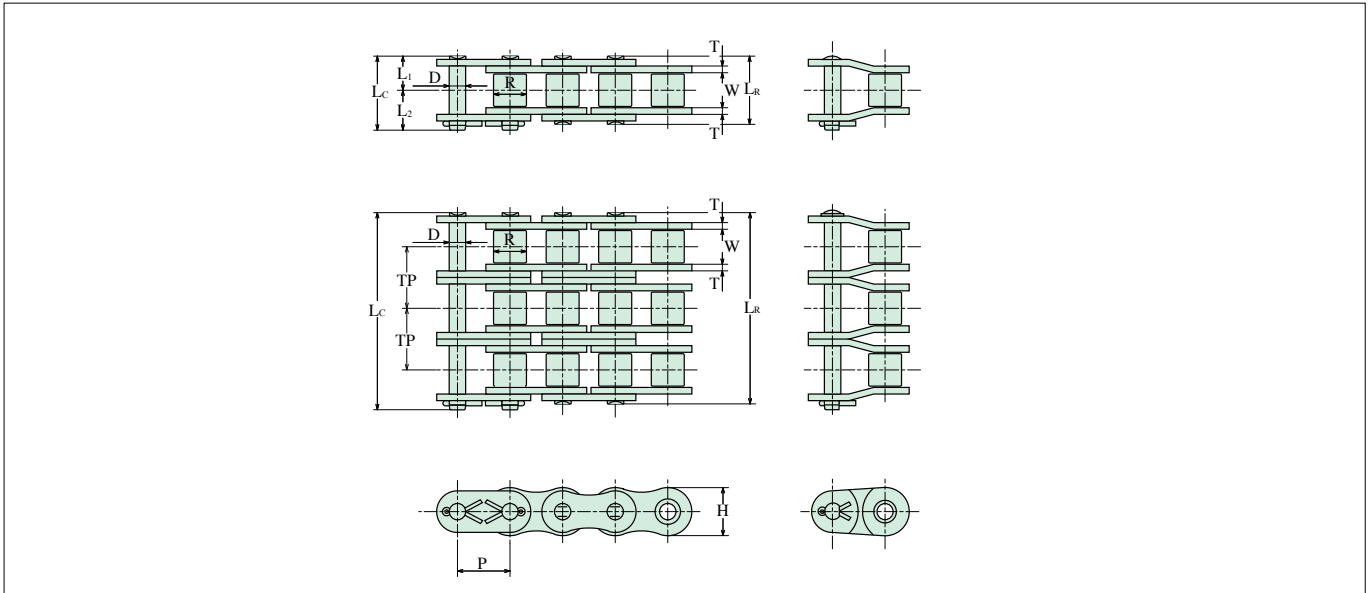
(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																			
	Lubrication System																			
	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	14.16	18.35	22.43	26.43	24.98	20.45	17.14	14.63	12.68	11.13	8.83	7.23	6.06	5.17
12	0.73	1.66	3.10	5.79	8.34	10.80	15.56	20.16	24.64	29.03	28.47	23.30	19.53	16.67	14.45	12.68	10.06	8.24	6.90	5.89
13	0.79	1.81	3.38	6.31	9.09	11.78	16.96	21.98	26.86	31.65	32.10	26.27	22.02	18.80	16.29	14.30	11.35	9.29	7.78	6.65
14	0.86	1.96	3.66	6.84	9.85	12.76	18.38	23.81	29.10	34.29	35.87	29.36	24.60	21.01	18.21	15.98	12.68	10.38	8.70	7.43
15	0.93	2.12	3.95	7.37	10.61	13.74	19.80	25.65	31.35	36.94	39.78	32.56	27.29	23.30	20.19	17.72	14.06	11.51	9.65	8.24
16	0.99	2.27	4.23	7.90	11.37	14.74	21.23	27.50	33.62	39.61	43.82	35.87	30.06	25.67	22.25	19.53	15.49	12.68	10.63	9.07
17	1.06	2.42	4.52	8.43	12.14	15.73	22.66	29.36	35.89	42.29	48.00	39.28	32.92	28.11	24.37	21.38	16.97	13.89	11.64	9.94
18	1.13	2.58	4.81	8.97	12.92	16.74	24.11	31.23	38.18	44.98	51.68	42.80	35.87	30.63	26.55	23.30	18.49	15.13	12.68	10.83
19	1.20	2.73	5.10	9.51	13.69	17.74	25.56	33.11	40.47	47.69	54.78	46.42	38.90	33.21	28.79	25.27	20.05	16.41	13.75	11.74
20	1.27	2.89	5.39	10.05	14.47	18.75	27.01	34.99	42.78	50.40	57.91	50.13	42.01	35.87	31.09	27.29	21.65	17.72	14.85	12.68
21	1.33	3.04	5.68	10.59	15.26	19.77	28.47	36.89	45.09	53.13	61.04	53.94	45.20	38.59	33.45	29.36	23.30	19.07	15.98	13.64
22	1.40	3.20	5.97	11.14	16.04	20.79	29.94	38.79	47.41	55.87	64.18	57.83	48.47	41.38	35.87	31.48	24.98	20.45	17.14	14.63
23	1.47	3.36	6.26	11.69	16.83	21.81	31.41	40.69	49.75	58.62	67.34	61.82	51.81	44.24	38.34	33.65	26.70	21.86	18.32	15.64
24	1.54	3.51	6.56	12.24	17.62	22.83	32.89	42.61	52.09	61.37	70.51	65.90	55.23	47.15	40.87	35.87	28.47	23.30	19.53	16.67
25	1.61	3.67	6.85	12.79	18.42	23.86	34.37	44.53	54.43	64.14	73.69	70.06	58.71	50.13	43.45	38.14	30.26	24.77	20.76	17.72
26	1.68	3.83	7.15	13.34	19.22	24.90	35.86	46.46	56.79	66.92	76.87	74.30	62.27	53.17	46.08	40.45	32.10	26.27	22.02	18.80
28	1.82	4.15	7.75	14.45	20.82	26.97	38.85	50.33	61.52	72.49	83.28	83.04	69.59	59.42	51.50	45.20	35.87	29.36	24.60	21.01
30	1.96	4.47	8.34	15.57	22.43	29.06	41.85	54.22	66.28	78.10	89.72	92.09	77.18	65.90	57.12	50.13	39.78	32.56	27.29	23.30
32	2.10	4.79	8.95	16.69	24.05	31.15	44.87	58.13	71.06	83.74	96.20	101.46	85.03	72.60	62.93	55.23	43.82	35.87	30.06	25.67
35	2.32	5.28	9.86	18.39	26.49	34.32	49.43	64.04	78.29	92.25	105.97	116.05	97.26	83.04	71.98	63.17	50.13	41.03	34.39	29.36
40	2.67	6.10	11.38	21.24	30.60	39.64	57.10	73.98	90.43	106.56	122.41	138.05	118.83	101.46	87.94	77.18	61.25	50.13	42.01	35.87
45	3.04	6.93	12.93	24.13	34.75	45.02	64.85	84.01	102.70	121.01	139.02	156.77	141.79	121.06	104.93	92.09	73.08	59.82	50.13	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

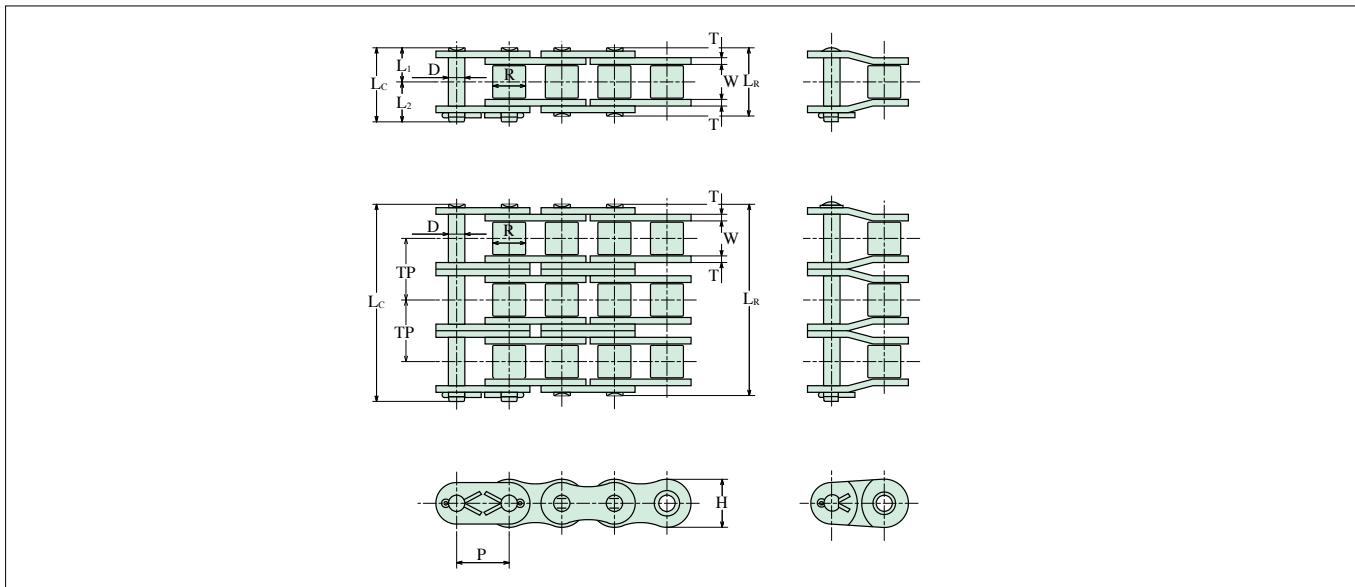
(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1800
	Lubrication System						Lubrication System						Lubrication System							
	A			B			C						D							
11	1.27	2.90	5.41	10.09	14.54	18.83	27.13	35.14	42.96	37.63	29.86	24.44	20.49	17.49	15.16	13.31	11.80	10.56	9.52	7.24
12	1.40	3.18	5.94	11.09	15.97	20.69	29.80	38.60	47.19	42.88	34.03	27.85	23.34	19.93	17.27	15.16	13.45	12.03	10.85	8.25
13	1.52	3.47	6.48	12.09	17.41	22.56	32.49	42.09	51.45	48.35	38.37	31.40	26.32	22.47	19.48	17.09	15.16	13.57	12.23	9.31
14	1.65	3.76	7.02	13.09	18.86	24.44	35.20	45.60	55.74	54.04	42.88	35.10	29.41	25.11	21.77	19.10	16.94	15.16	13.67	10.40
15	1.78	4.05	7.56	14.11	20.32	26.33	37.92	49.12	60.05	59.93	47.56	38.92	32.62	27.85	24.14	21.19	18.79	16.81	15.16	11.53
16	1.90	4.34	8.11	15.13	21.79	28.23	40.66	52.67	64.39	66.02	52.39	42.88	35.94	30.68	26.60	23.34	20.70	18.52	16.70	12.71
17	2.03	4.64	8.65	16.15	23.26	30.14	43.41	56.24	68.74	72.30	57.38	46.96	39.36	33.60	29.13	25.56	22.67	20.29	18.29	13.91
18	2.16	4.93	9.21	17.18	24.74	32.05	46.17	59.82	73.12	78.78	62.51	51.17	42.88	36.61	31.73	27.85	24.70	22.10	19.93	15.16
19	2.29	5.23	9.76	18.21	26.23	33.98	48.95	63.41	77.52	85.43	67.80	55.49	46.50	39.71	34.42	30.20	26.79	23.97	21.61	16.44
20	2.42	5.53	10.31	19.25	27.72	35.92	51.74	67.02	81.93	92.26	73.22	59.93	50.22	42.88	37.17	32.62	28.93	25.89	23.34	17.76
21	2.55	5.83	10.87	20.29	29.22	37.86	54.53	70.65	86.37	99.27	78.78	64.48	54.04	46.14	39.99	35.10	31.13	27.85	25.11	19.10
22	2.69	6.13	11.43	21.33	30.73	39.81	57.34	74.29	90.82	106.44	84.47	69.14	57.94	49.47	42.88	37.63	33.38	29.86	26.93	20.49
23	2.82	6.43	12.00	22.38	32.24	41.77	60.16	77.95	95.28	112.27	90.29	73.90	61.94	52.88	45.84	40.23	35.68	31.92	28.79	21.90
24	2.95	6.73	12.56	23.44	33.76	43.73	62.99	81.61	99.76	117.55	96.25	78.78	66.02	56.37	48.86	42.88	38.03	34.03	30.68	23.34
25	3.08	7.03	13.13	24.49	35.28	45.71	65.83	85.29	104.26	122.85	102.32	83.75	70.19	59.93	51.94	45.59	40.43	36.18	32.62	24.82
26	3.22	7.34	13.69	25.55	36.81	47.68	68.68	88.98	108.77	128.17	108.52	88.83	74.44	63.56	55.09	48.35	42.88	38.37	34.60	26.32
28	3.48	7.95	14.83	27.68	39.87	51.66	74.41	96.39	117.83	138.85	121.28	99.27	83.19	71.03	61.57	54.04	47.92	42.88	38.66	29.41
30	3.75	8.56	15.98	29.82	42.96	55.65	80.16	103.85	126.95	149.59	134.51	110.09	92.26	78.78	68.28	59.93	53.15	47.56	42.88	32.62
32	4.03	9.18	17.14	31.98	46.06	59.67	85.95	111.35	136.11	160.39	148.18	121.28	101.64	86.78	75.22	66.02	58.55	52.39	47.24	35.94
35	4.43	10.12	18.88	35.23	50.74	65.73	94.68	122.66	149.95	176.68	169.50	138.73	116.27	99.27	86.05	75.52	66.97	59.93	54.04	41.11
40	5.12	11.69	21.81	40.69	58.61	75.93	109.37	141.69	173.21	204.09	207.09	169.50	142.05	121.28	105.13	92.26	81.83	73.22	66.02	50.22
45	5.82	13.27	24.76	46.21	66.56	86.23	124.21	160.91	196.70	231.78	247.11	202.26	169.50	144.72	125.44	110.09	97.64	87.37	78.78	59.93

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	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			
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

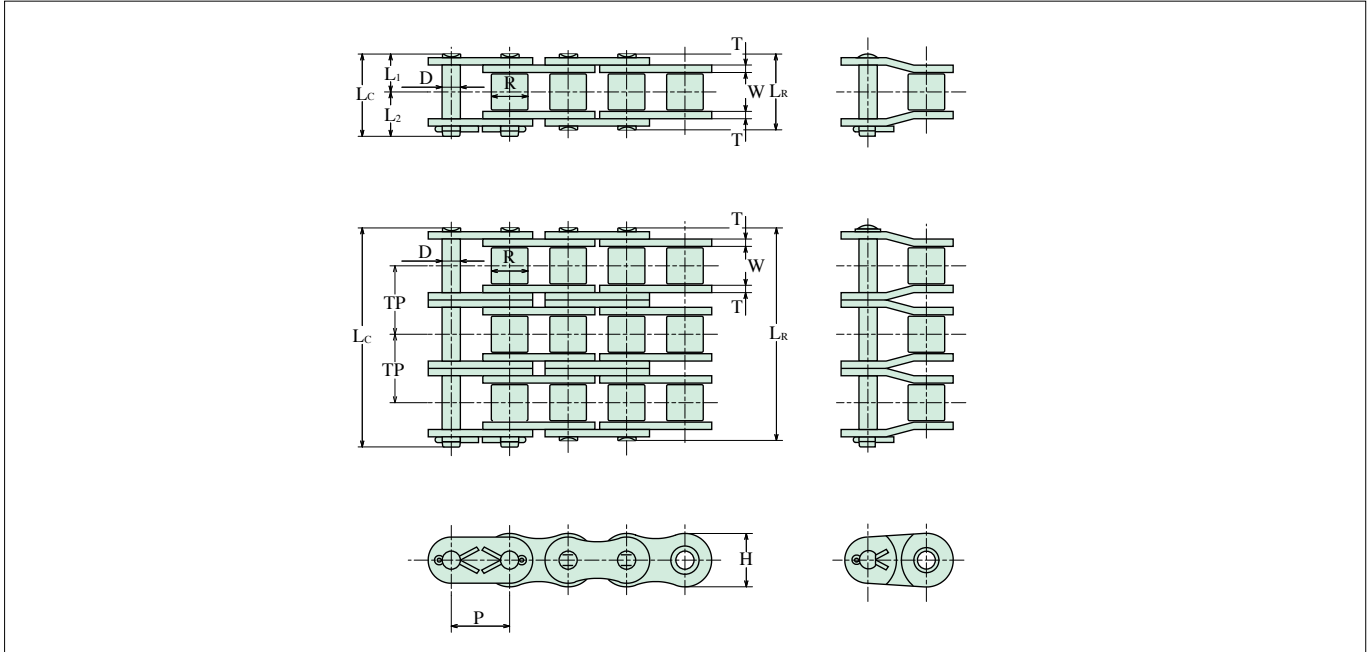
(kW)

No. of Teeth Small Splt.	Revolutions per Minute(r/min)-Small Sprocket																	
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
	Lubrication System																	
	A			B			C						D					
11	2.04	4.66	8.70	16.23	23.38	30.29	43.62	56.52	57.24	43.54	34.55	28.28	23.70	20.24	17.54	15.39	13.65	12.22
12	2.24	5.12	9.55	17.83	25.68	33.27	47.92	62.08	65.22	49.61	39.37	32.23	27.01	23.06	19.99	17.54	15.56	13.92
13	2.45	5.58	10.42	19.44	28.00	36.27	52.25	67.69	73.54	55.94	44.39	36.34	30.45	26.00	22.54	19.78	17.54	15.70
14	2.65	6.05	11.29	21.06	30.33	39.30	56.60	73.33	82.19	62.52	49.61	40.61	34.03	29.06	25.19	22.10	19.60	17.54
15	2.86	6.52	12.16	22.69	32.68	42.34	60.98	79.00	91.15	69.34	55.02	45.04	37.74	32.23	27.93	24.51	21.74	19.45
16	3.06	6.99	13.04	24.33	35.04	45.39	65.38	84.71	100.41	76.39	60.62	49.61	41.58	35.50	30.77	27.01	23.95	21.43
17	3.27	7.46	13.92	25.97	37.41	48.46	69.81	90.44	109.97	83.66	66.39	54.34	45.54	38.88	33.70	29.58	26.23	23.47
18	3.48	7.93	14.80	27.63	39.79	51.55	74.25	96.20	117.59	91.15	72.33	59.20	49.61	42.36	36.72	32.23	28.58	25.57
19	3.69	8.41	15.69	29.29	42.18	54.65	78.72	101.98	124.66	98.85	78.44	64.20	53.81	45.94	39.82	34.95	30.99	27.73
20	3.90	8.89	16.59	30.95	44.59	57.76	83.20	107.79	131.76	106.75	84.71	69.34	58.11	49.61	43.00	37.74	33.47	29.95
21	4.11	9.37	17.49	32.63	47.00	60.89	87.70	113.62	138.89	114.86	91.15	74.60	62.52	53.38	46.27	40.61	36.01	32.23
22	4.32	9.85	18.39	34.31	49.42	64.03	92.22	119.48	146.05	123.16	97.73	79.99	67.04	57.24	49.61	43.54	38.62	34.55
23	4.53	10.34	19.29	36.00	51.85	67.17	96.76	125.35	153.23	131.65	104.47	85.51	71.66	61.19	53.04	46.55	41.28	36.94
24	4.75	10.82	20.20	37.69	54.29	70.33	101.31	131.25	160.44	140.33	111.36	91.15	76.39	65.22	56.53	49.61	44.00	39.37
25	4.96	11.31	21.11	39.39	56.74	73.50	105.88	137.16	167.67	149.19	118.39	96.90	81.21	69.34	60.10	52.75	46.78	41.86
26	5.17	11.80	22.02	41.09	59.19	76.69	110.46	143.10	174.93	158.23	125.57	102.77	86.13	73.54	63.74	55.94	49.61	44.39
28	5.60	12.78	23.86	44.52	64.12	83.08	119.66	155.02	189.50	176.84	140.33	114.86	96.26	82.19	71.24	62.52	55.45	49.61
30	6.04	13.77	25.70	47.96	69.09	89.50	128.92	167.02	204.16	196.12	155.63	127.38	106.75	91.15	79.00	69.34	61.49	55.02
32	6.47	14.77	27.56	51.43	74.07	95.96	138.22	179.07	218.90	216.05	171.45	140.33	117.60	100.41	87.04	76.39	67.74	60.62
35	7.13	16.27	30.36	56.65	81.60	105.71	152.27	197.27	241.15	247.14	196.12	160.52	134.52	114.86	99.56	87.38	77.49	69.34
40	8.24	18.79	35.07	65.44	94.26	122.11	175.89	227.87	278.55	301.94	239.61	196.12	164.36	140.33	121.64	106.75	94.68	84.71
45	9.36	21.34	39.82	74.32	107.04	138.68	199.75	258.78	316.34	360.29	285.91	234.02	196.12	167.45	145.14	127.38	112.97	101.09

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.

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		T				
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

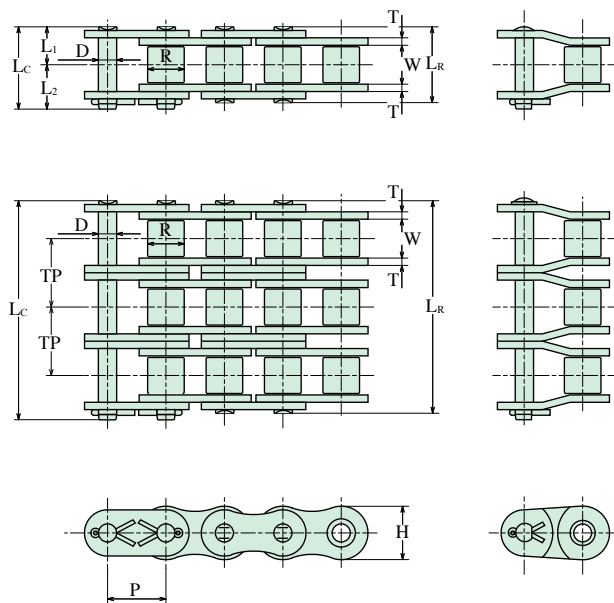
(kW)

No. of Teeth Small Spk	Revolutions per Minute(r/min)-Small Sprocket																	
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000
	Lubrication System																	
	A		B		C						D							
11	3.16	7.21	13.46	25.11	36.17	46.86	57.28	67.50	77.54	87.44	75.84	64.75	56.13	49.26	39.09	31.99	26.81	22.89
12	3.47	7.92	14.78	27.59	39.73	51.48	62.93	74.15	85.18	96.06	86.41	73.78	63.95	56.13	44.54	36.45	30.55	26.08
13	3.79	8.64	16.12	30.08	43.32	56.13	68.61	80.84	92.87	104.73	97.43	83.19	72.11	63.29	50.22	41.11	34.45	29.41
14	4.10	9.36	17.46	32.58	46.93	60.80	74.33	87.58	100.61	113.46	108.89	92.97	80.59	70.73	56.13	45.94	38.50	32.87
15	4.42	10.08	18.81	35.10	50.56	65.51	80.07	94.35	108.40	122.24	120.76	103.11	89.37	78.44	62.25	50.95	42.70	36.45
16	4.74	10.81	20.17	37.64	54.21	70.23	85.86	101.16	116.22	131.06	133.04	113.59	98.46	86.41	68.57	56.13	47.04	40.16
17	5.06	11.54	21.53	40.18	57.88	74.99	91.66	108.01	124.08	139.93	145.70	124.40	107.83	94.64	75.10	61.47	51.51	43.98
18	5.38	12.27	22.91	42.74	61.57	79.76	97.50	114.89	131.99	148.84	158.75	135.54	117.49	103.11	81.82	66.97	56.13	47.92
19	5.70	13.01	24.28	45.31	65.27	84.56	103.36	121.80	139.92	157.79	172.16	146.99	127.41	111.82	88.74	72.63	60.87	51.97
20	6.03	13.75	25.67	47.89	68.99	89.37	109.25	128.73	147.89	166.78	185.43	158.75	137.60	120.76	95.83	78.44	65.74	56.13
21	6.36	14.50	27.05	50.49	72.72	94.21	115.16	135.70	155.89	175.80	195.46	170.80	148.05	129.93	103.11	84.39	70.73	60.39
22	6.68	15.25	28.45	53.09	76.47	99.06	121.10	142.69	163.93	184.86	205.53	183.15	158.75	139.32	110.56	90.49	75.84	64.75
23	7.01	15.99	29.85	55.70	80.23	103.94	127.05	149.71	171.99	193.95	215.64	195.77	169.69	148.93	118.19	96.73	81.07	69.22
24	7.34	16.75	31.25	58.32	84.00	108.82	133.03	156.75	180.08	203.07	225.78	208.68	180.88	158.75	125.98	103.11	86.41	73.78
25	7.67	17.50	32.66	60.95	87.79	113.73	139.02	163.82	188.19	212.23	235.96	221.86	192.30	168.77	133.93	109.62	91.87	78.44
26	8.00	18.26	34.07	63.58	91.58	118.65	145.04	170.90	196.34	221.41	246.17	235.30	203.95	179.00	142.05	116.26	97.43	83.19
28	8.67	19.78	36.91	68.88	99.22	128.54	157.13	185.14	212.70	239.86	266.68	262.97	227.94	200.05	158.75	129.93	108.89	92.97
30	9.34	21.31	39.77	74.21	106.89	138.48	169.28	199.47	229.15	258.41	287.31	291.64	252.79	221.86	176.06	144.10	120.76	103.11
32	10.02	22.85	42.64	79.57	114.61	148.48	181.50	213.87	245.69	277.07	308.05	321.28	278.48	244.41	193.95	158.75	133.04	113.59
35	11.03	25.17	46.97	87.65	126.25	163.57	199.94	235.60	270.66	305.22	339.36	367.51	318.55	279.57	221.86	181.59	152.18	129.93
40	12.75	29.08	54.26	101.25	145.84	188.94	230.96	272.15	312.65	352.57	392.00	430.99	389.19	341.57	271.06	221.86	185.93	158.75
45	14.48	33.02	61.62	114.98	165.62	214.57	262.29	309.06	355.06	400.40	445.18	489.46	464.40	407.58	323.44	264.73	221.86	189.42

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			
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

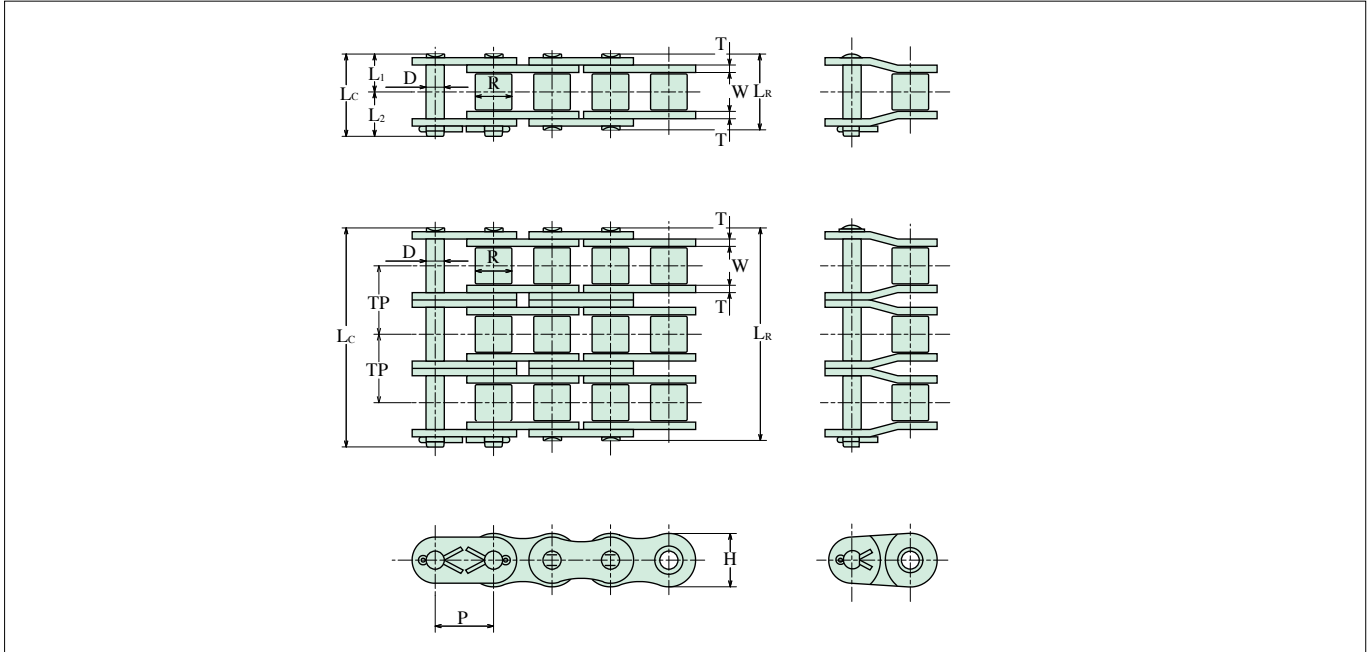
(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																	
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	Lubrication System																	
	A		B		C						D							
11	4.76	10.85	20.26	37.80	54.44	70.53	86.22	101.60	116.72	100.70	84.39	72.05	62.45	54.81	48.61	43.50	39.22	35.60
12	5.23	11.92	22.25	41.52	59.81	77.48	94.72	111.61	128.22	114.73	96.15	82.10	71.16	62.45	55.39	49.56	44.69	40.56
13	5.70	13.00	24.26	45.27	65.21	84.48	103.27	121.68	139.79	129.37	108.42	92.57	80.24	70.42	62.45	55.88	50.39	45.74
14	6.17	14.08	26.28	49.04	70.64	91.52	111.87	131.82	151.44	144.58	121.17	103.45	89.67	78.70	69.80	62.45	56.31	51.12
15	6.65	15.17	28.31	52.84	76.11	98.60	120.53	142.02	163.16	160.35	134.38	114.73	99.45	87.28	77.41	69.26	62.45	56.69
16	7.13	16.27	30.36	56.65	81.60	105.72	129.23	152.27	174.93	176.65	148.04	126.40	109.56	96.15	85.27	76.30	68.80	62.45
17	7.61	17.37	32.41	60.48	87.12	112.87	137.97	162.58	186.77	193.46	162.13	138.43	119.99	105.31	93.39	83.57	75.35	68.40
18	8.10	18.48	34.48	64.34	92.67	120.06	146.76	172.93	198.66	210.78	176.65	150.82	130.73	114.73	101.75	91.05	82.10	74.52
19	8.59	19.59	36.55	68.21	98.24	127.28	155.58	183.33	210.61	228.59	191.57	163.56	141.77	124.43	110.35	98.74	89.03	80.82
20	9.08	20.70	38.63	72.09	103.84	134.52	164.45	193.77	222.61	246.87	206.89	176.65	153.11	134.38	119.18	106.64	96.15	87.28
21	9.57	21.82	40.72	75.99	109.46	141.80	173.34	204.25	234.65	264.61	222.60	190.06	164.74	144.58	128.22	114.73	103.45	93.91
22	10.06	22.95	42.82	79.91	115.10	149.11	182.27	214.78	246.74	278.25	238.69	203.79	176.65	155.03	137.49	123.03	110.93	100.70
23	10.55	24.08	44.93	83.84	120.76	156.44	191.24	225.34	258.87	291.93	255.14	217.85	188.82	165.72	146.97	131.51	118.58	107.64
24	11.05	25.21	47.04	87.78	126.44	163.80	200.23	235.94	271.05	305.66	271.96	232.21	201.27	176.65	156.66	140.18	126.40	114.73
25	11.55	26.34	49.16	91.74	132.14	171.18	209.26	246.57	283.27	319.44	289.14	246.87	213.98	187.80	166.55	149.03	134.38	121.98
26	12.05	27.48	51.29	95.70	137.85	178.59	218.31	257.24	295.53	333.26	306.66	261.83	226.95	199.18	176.65	158.06	142.52	129.37
28	13.05	29.77	55.56	103.68	149.34	193.47	236.50	278.68	320.15	361.03	342.71	292.61	253.63	222.60	197.41	176.65	159.28	144.58
30	14.06	32.08	59.86	111.70	160.89	208.44	254.80	300.24	344.92	388.96	380.08	324.52	281.29	246.87	218.94	195.91	176.65	160.35
32	15.08	34.39	64.18	119.76	172.51	223.49	273.19	321.91	369.82	417.04	418.71	357.50	309.88	271.96	241.19	215.82	194.60	176.65
35	16.61	37.89	70.70	131.93	190.04	246.20	300.96	354.62	407.40	459.42	478.96	408.94	354.46	311.09	275.89	246.87	222.60	202.06
40	19.19	43.77	81.67	152.40	219.52	284.39	347.64	409.63	470.60	530.69	585.17	499.63	433.07	380.08	337.08	301.62	271.96	246.87
45	21.79	49.70	92.75	173.07	249.30	322.97	394.80	465.20	534.43	602.68	670.08	596.18	516.76	453.53	402.22	359.90	324.52	294.57

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

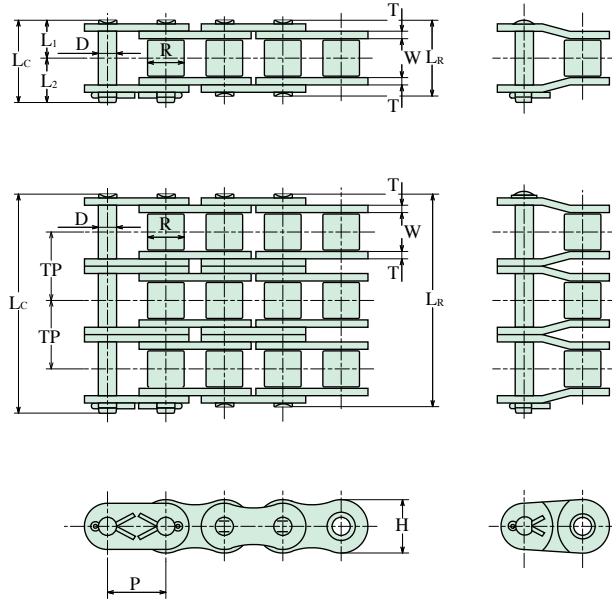
(kW)

No. of Teeth Small Spkt.	Revolutions per Minute(r/min)-Small Sprocket																	
	Lubrication System																	
	A		B		C					D								
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
9	5.10	11.63	21.71	40.50	58.34	75.58	92.39	108.87	100.05	81.89	68.62	58.59	50.79	44.57	39.53	35.37	31.89	28.95
10	5.71	13.03	24.32	45.38	65.37	84.69	103.53	121.99	117.17	95.91	80.37	68.62	59.48	52.20	46.30	41.43	37.35	33.91
11	6.33	14.45	26.96	50.31	72.46	93.87	114.75	135.21	135.18	110.65	92.73	79.17	68.62	60.23	53.41	47.79	43.10	39.12
12	6.96	15.87	29.61	55.26	79.60	103.12	126.06	148.54	154.03	126.07	105.65	90.21	78.19	68.62	60.86	54.46	49.10	44.57
13	7.59	17.30	32.29	60.25	86.79	112.43	137.44	161.95	173.68	142.15	119.13	101.72	88.17	77.38	68.62	61.40	55.37	50.26
14	8.22	18.74	34.98	65.27	94.02	121.80	148.89	175.44	194.10	158.87	133.14	113.68	98.53	86.48	76.69	68.62	61.88	56.17
15	8.85	20.19	37.68	70.32	101.29	131.22	160.41	189.01	215.26	176.19	147.66	126.07	109.28	95.91	85.06	76.11	68.62	62.29
16	9.49	21.65	40.40	75.40	108.60	140.70	171.99	202.66	232.82	194.10	162.67	138.89	120.38	105.65	93.70	83.84	75.60	68.62
17	10.13	23.12	43.14	80.50	115.95	150.22	183.63	216.37	248.57	212.58	178.15	152.11	131.84	115.71	102.62	91.82	82.80	75.16
18	10.78	24.59	45.89	85.63	123.33	159.78	195.32	230.15	264.40	231.61	194.10	165.72	143.65	126.07	111.81	100.05	90.21	81.89
19	11.43	26.07	48.64	90.77	130.75	169.39	207.07	243.99	280.30	251.17	210.50	179.73	155.78	136.72	121.25	108.50	97.83	88.80
20	12.08	27.55	51.42	95.94	138.20	179.04	218.86	257.89	296.27	271.26	227.33	194.10	168.24	147.66	130.95	117.17	105.65	95.91
21	12.73	29.04	54.20	101.14	145.68	188.73	230.70	271.84	312.30	291.86	244.59	208.84	181.02	158.87	140.89	126.07	113.68	103.19
22	13.39	30.54	56.99	106.35	153.18	198.45	242.59	285.85	328.39	312.95	262.27	223.93	194.10	170.35	151.08	135.18	121.89	110.65
23	14.05	32.04	59.79	111.58	160.71	208.21	254.52	299.90	344.54	334.53	280.35	239.37	207.48	182.10	161.49	144.50	130.30	118.27
24	14.71	33.55	62.60	116.82	168.27	218.00	266.49	314.01	360.74	356.58	298.84	255.15	221.16	194.10	172.14	154.03	138.89	126.07
25	15.37	35.06	65.43	122.09	175.86	227.83	278.50	328.16	377.00	379.10	317.71	271.26	235.13	206.36	183.01	163.76	147.66	134.03
26	16.04	36.58	68.26	127.37	183.47	237.69	290.55	342.36	393.31	402.07	336.96	287.70	249.37	218.86	194.10	173.68	156.60	142.15
28	17.37	39.63	73.95	137.99	198.76	257.49	314.76	370.89	426.09	449.35	376.58	321.53	278.69	244.59	216.92	194.10	175.02	158.87
30	18.72	42.69	79.67	148.66	214.13	277.41	339.11	399.58	459.05	498.34	417.63	356.58	309.08	271.26	240.57	215.26	194.10	176.19
32	20.07	45.77	85.42	159.39	229.59	297.44	363.59	428.43	492.19	549.00	460.09	392.83	340.50	298.84	265.03	237.14	213.83	194.10
35	22.11	50.43	94.10	175.59	252.92	327.66	400.54	471.97	542.20	611.44	526.28	449.35	389.49	341.83	303.16	271.26	244.59	222.02
40	25.53	58.25	108.69	202.83	292.16	378.49	462.68	545.18	626.32	706.30	642.99	549.00	475.86	417.63	370.39	331.42	298.84	271.26
45	29.00	66.15	123.44	230.34	331.79	429.84	525.44	619.14	711.28	802.10	767.24	655.08	567.82	498.34	441.96	395.46	356.58	323.68

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.

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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

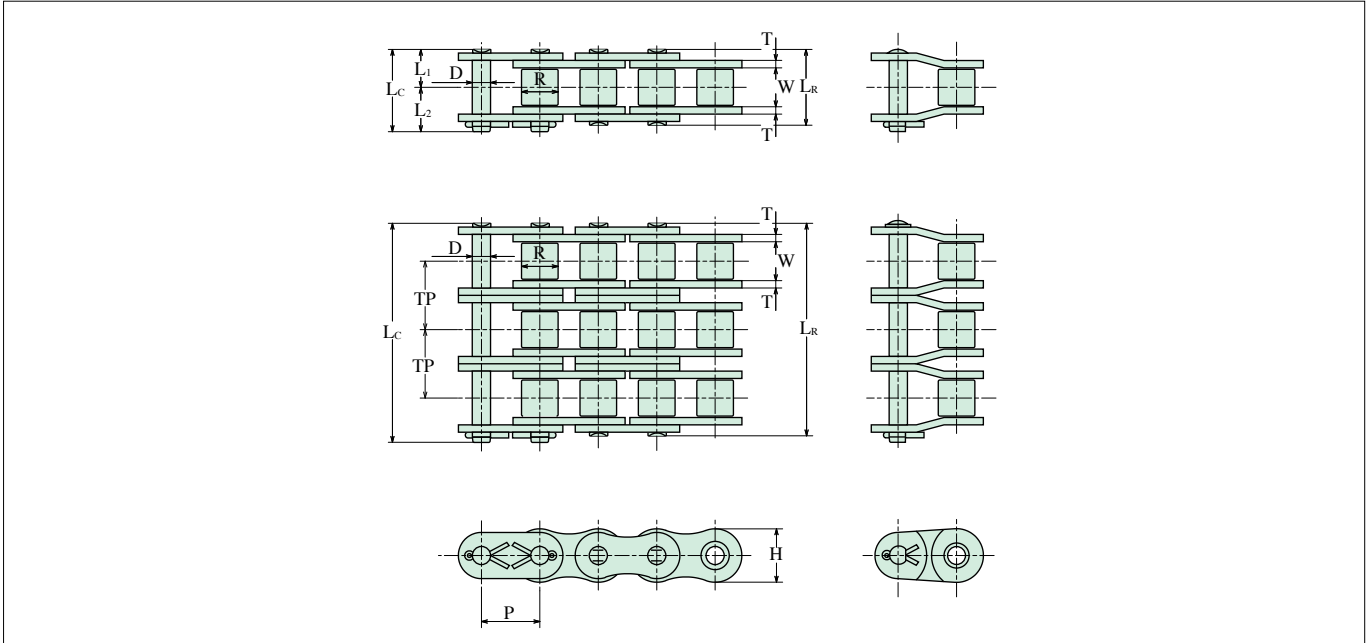
(kW)

No. of Teeth Small Splt.	Revolutions per Minute(r/min)-Small Sprocket																	
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600
	Lubrication System																	
	A			B				C				D						
9	6.77	9.75	12.63	18.20	23.57	28.82	39.01	53.78	77.46	100.35	122.67	137.16	108.84	89.09	74.66	63.75	55.25	48.49
10	7.59	10.93	14.16	20.39	26.42	32.29	43.71	60.26	86.79	112.44	137.45	160.64	127.48	104.34	87.44	74.66	64.71	56.80
11	8.41	12.11	15.69	22.60	29.28	35.79	48.45	66.79	96.20	124.64	152.36	179.52	147.07	120.38	100.88	86.13	74.66	65.52
12	9.24	13.30	17.24	24.83	32.16	39.32	53.22	73.37	105.68	136.92	167.37	197.21	167.58	137.16	114.95	98.14	85.07	74.66
13	10.07	14.51	18.79	27.07	35.07	42.87	58.03	80.00	115.23	149.28	182.48	215.02	188.95	154.66	129.61	110.66	95.92	84.18
14	10.91	15.71	20.36	29.32	37.99	46.44	62.87	86.66	124.83	161.72	197.68	232.94	211.17	172.84	144.85	123.67	107.20	94.08
15	11.75	16.93	21.93	31.59	40.93	50.03	67.73	93.37	134.48	174.23	212.98	250.96	234.19	191.68	160.64	137.16	118.89	104.34
16	12.60	18.15	23.52	33.87	43.88	53.65	72.62	100.11	144.19	186.80	228.35	269.07	258.00	211.17	176.97	151.10	130.97	114.95
17	13.46	19.38	25.11	36.17	46.85	57.28	77.53	106.88	153.95	199.44	243.80	287.28	282.56	231.27	193.82	165.48	143.44	125.89
18	14.31	20.62	26.71	38.47	49.84	60.92	82.47	113.69	163.75	212.14	259.33	305.57	307.86	251.98	211.17	180.30	156.28	137.16
19	15.17	21.85	28.31	40.78	52.83	64.59	87.43	120.52	173.60	224.90	274.92	323.95	333.86	273.26	229.01	195.53	169.48	148.75
20	16.04	23.10	29.93	43.11	55.84	68.26	92.41	127.39	183.49	237.71	290.58	342.40	360.56	295.12	247.32	211.17	183.04	160.64
21	16.90	24.35	31.55	45.44	58.87	71.96	97.41	134.28	193.41	250.57	306.30	360.92	387.94	317.53	266.10	227.20	196.94	172.84
22	17.78	25.60	33.17	47.78	61.90	75.67	102.43	141.20	203.38	263.48	322.09	379.52	415.98	340.47	285.33	243.62	211.17	185.33
23	18.65	26.86	34.80	50.13	64.94	79.39	107.46	148.14	213.38	276.44	337.93	398.18	444.66	363.95	305.01	260.42	225.73	198.11
24	19.53	28.13	36.44	52.49	68.00	83.12	112.52	155.11	223.42	289.44	353.82	416.91	473.97	387.94	325.12	277.59	240.61	211.17
25	20.41	29.39	38.08	54.85	71.06	86.87	117.59	162.10	233.49	302.49	369.77	435.71	500.55	412.44	345.65	295.12	255.80	224.50
26	21.29	30.67	39.73	57.23	74.14	90.63	122.68	169.11	243.59	315.58	385.77	454.56	522.21	437.43	366.59	313.00	271.30	238.11

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	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			
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(r/min)-Small Sprocket																	
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350
	Lubrication System																	
	A				B				C				D					
9	5.84	10.90	15.71	20.35	24.87	29.31	37.97	46.41	54.69	70.85	86.61	105.88	124.76	143.32	161.62	197.57	158.70	125.94
10	6.55	12.22	17.60	22.80	27.87	32.84	42.55	52.01	61.28	79.39	97.05	118.64	139.79	160.59	181.10	221.38	185.87	147.50
11	7.26	13.54	19.51	25.27	30.89	36.40	47.16	57.65	67.93	88.00	107.57	131.50	154.95	178.01	200.74	245.38	214.43	170.17
12	7.97	14.88	21.43	27.76	33.94	39.99	51.80	63.33	74.62	96.67	118.17	144.45	170.21	195.55	220.52	269.56	244.33	193.89
13	8.69	16.22	23.36	30.27	37.00	43.60	56.48	69.04	81.36	105.40	128.84	157.50	185.58	213.20	240.43	293.90	275.50	218.62
14	9.42	17.57	25.31	32.79	40.08	47.23	61.19	74.80	88.14	114.18	139.58	170.62	201.05	230.97	260.46	318.39	307.89	244.33
15	10.14	18.93	27.27	35.33	43.18	50.88	65.92	80.58	94.95	123.01	150.38	183.82	216.60	248.83	280.61	343.02	341.46	270.97
16	10.88	20.30	29.24	37.88	46.30	54.56	70.68	86.40	101.81	131.89	161.23	197.09	232.24	266.80	300.87	367.78	376.17	298.51
17	11.61	21.67	31.22	40.44	49.43	58.25	75.46	92.25	108.70	140.82	172.14	210.43	247.95	284.85	321.22	392.67	411.98	326.93
18	12.35	23.05	33.20	43.01	52.58	61.96	80.27	98.12	115.62	149.79	183.10	223.83	263.74	302.99	341.68	417.67	448.86	356.20
19	13.10	24.44	35.20	45.60	55.74	65.68	85.10	104.02	122.57	158.79	194.11	237.28	279.60	321.21	362.22	442.79	486.78	386.29
20	13.84	25.83	37.20	48.20	58.92	69.43	89.94	109.95	129.55	167.84	205.17	250.80	295.52	339.50	382.86	468.01	525.71	417.18
21	14.59	27.23	39.22	50.81	62.11	73.18	94.81	115.90	136.56	176.92	216.27	264.37	311.51	357.87	403.57	493.33	565.63	448.86
22	15.34	28.63	41.24	53.42	65.31	76.95	99.69	121.87	143.60	186.03	227.41	277.99	327.56	376.31	424.37	518.75	606.51	481.30
23	16.10	30.04	43.27	56.05	68.52	80.74	104.60	127.86	150.66	195.18	238.60	291.66	343.67	394.82	445.24	544.26	641.32	514.49
24	16.85	31.45	45.30	58.69	71.74	84.53	109.52	133.87	157.75	204.36	249.82	305.38	359.84	413.39	466.18	569.86	671.48	548.40
25	17.61	32.87	47.34	61.33	74.98	88.34	114.45	139.91	164.86	213.58	261.08	319.15	376.06	432.02	487.19	595.55	701.75	583.03
26	18.38	34.29	49.39	63.99	78.22	92.17	119.40	145.96	171.99	222.82	272.38	332.96	392.33	450.72	508.27	621.32	732.11	618.36

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.