



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
	Lubrication Method																			
	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.