Interroll Drum Motor 138i – Ø 138 mm – 3-phase

Motor				Gear ratio i	Nominal belt speed at full load and 50 Hz	Torque	Belt pull	Max. Belt tension $T_1 + T_2$	Min. Shell length RL
Power [kW/HP]	No. of poles	Full load current i_f 400 V/50 Hz [A]	Gear stages		[m/s]	[Nm]	[N]	[N]	[mm]
0.09/0.12	12	0.6	3	74.98 61.68 39.87 32.07	0.04 0.05 0.07 0.09	146.00 120.00 78.00 63.00	2131 1754 1134 912	8300	300
			2	30.55	0.10	60.70	886	8300	
0.18/0.24	8	0.7	3	74.98 39.87	0.06 0.12	177.10 94.20	2586 1375	8300	300
			2	30.55 19.54 15.72 10.41	0.15 0.25 0.30 0.45	73.60 47.10 37.90 25.10	1075 688 553 366	8300	
0.25/0.34	6	0.75	3	74.98 61.68 47.97 32.07	0.08 0.10 0.13 0.20	184.90 152.10 118.30 79.10	2699 2220 1727 1154	8300	300
			2	25.13 19.54 15.72 10.41	0.25 0.35 0.45 0.65	63.20 49.20 39.60 26.20	923 718 577 382	8300	
0.37/0.50	4	0.97	3	74.98 61.68 47.97 39.87 32.07	0.13 0.15 0.20 0.25 0.30	186.30 153.30 119.20 99.10 79.70	2720 2237 1740 1446 1163	8300	300
			2	25.13 19.54 15.72 10.41	0.40 0.50 0.60 0.95	63.70 49.50 39.90 26.40	930 723 582 385	8300	
0.55/0.74	2	1.3	3	74.98 61.68 47.97 39.87 32.07	0.25 0.35 0.40 0.50 0.60	131.30 108.00 84.00 69.80 56.14	1916 1576 1226 1019 820	8300	300
			2	25.13 19.54 15.72 12.60 10.41	0.80 1.00 1.30 1.60 1.90	44.90 34.90 28.10 22.80 18.60	655 510 410 330 271	8300	

The maximum allowable belt tension of idler pulley is always according to the corresponding drum motor values in the tables.

Interroll Drum Motor 138i – Ø 138 mm – 3-phase – High Power

Motor Power [kW/HP]	No. of poles	Full load current i_f 400 V/50 Hz [A]	Gear stages	Gear ratio i	Nominal belt speed at full load and 50 Hz [m/s]	Torque [Nm]	Belt pull [N]	Max. Belt tension $T_1 + T_2$ [N]	Min. Shell length RL [mm]
0.75/1.00	4	1.9	3	47.97	0.20	234.30	3420	8300	350
				39.87	0.25	194.70	2843		
				32.07	0.30	156.60	2287		
			2	25.13	0.40	125.30	1828	8300	
				19.54	0.50	97.40	1422		
				15.72	0.60	78.40	1144		
				10.41	0.95	51.90	758		
1.00/1.34	2	2.4	3	47.97	0.40	155.30	2267	8300	350
				39.87	0.50	129.10	1884		
				32.07	0.60	103.80	1516		
			2	25.13	0.80	83.00	1212	8300	
				19.54	1.00	64.60	943		
				15.72	1.30	51.90	758		
				12.60	1.60	41.40	600		
				10.41	1.90	34.40	502		

The maximum allowable Belt tension of idler pulleys is always according to the corresponding drum motor values in the tables.

Standard RL Interroll Drum Motor 138i

Standard weight [kg] for standard Shell length RL [mm]

RL	300	350	400	450	500	550	600	650	700	750	800	850	900
Weight	14.5	15.7	16.9	18.1	19.3	20.5	21.7	22.9	24.1	25.3	26.5	27.7	28.9

Standard RL Interroll Drum Motor 138i – High Power

Standard weight [kg] for standard Shell length RL [mm]

RL	350	400	450	500	550	600	650	700	750	800	850	900
Weight	15.7	16.9	18.1	19.3	20.5	21.7	22.9	24.1	25.3	26.5	27.7	28.9

Standard RL Interroll Idler Pulley 138i

Standard weight [kg] for standard Shell length RL [mm]

RL	300	350	400	450	500	550	600	650	700	750	800	850	900
Weight	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5