



## Interroll Drum Motor 113i – Ø 113.5 mm – 3-phase

Motor		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]
Power [kW/HP]										
0.035/0.05	12	0.41	3	43.49	0.05	38.9	688	6550	250	
				37.05	0.06	33.1	586			
				31.96	0.07	28.6	506			
				28.17	0.08	25.2	446			
0.08/0.11	8	0.4	3	37.05	0.10	39.1	691	6550	250	
				28.17	0.15	29.7	526			
				20.71	0.20	21.8	386			
				15.17	0.25	16.3	289			
0.10/0.13	6	0.46	2	11.15	0.35	12.0	212	6550	250	
				43.49	0.12	45.0	797			
				37.05	0.15	38.4	679			
				28.17	0.20	29.2	516			
0.15/0.20	4	0.54	3	20.71	0.25	21.4	379	6550	250	
				15.17	0.35	16.0	284			
				43.49	0.20	43.0	761			
				31.96	0.25	31.6	559			
0.225/0.30	2	0.70	2	28.17	0.30	27.8	493	6550	250	
				24.00	0.35	23.7	420			
				20.71	0.40	20.5	362			
				15.17	0.55	15.3	271			
0.225/0.30	2	0.70	3	12.92	0.60	13.0	231	6550	250	
				11.15	0.70	11.2	199			
				43.49	0.40	31.1	551			
				31.96	0.50	22.9	405			
0.225/0.30	2	0.70	2	28.17	0.60	20.2	357	6550	250	
				24.00	0.70	17.2	304			
				20.71	0.80	14.8	262			
				15.17	1.10	11.1	196			
0.225/0.30	2	0.70	2	12.92	1.30	9.4	167	6550	250	
				11.15	1.50	8.1	144			

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



## Interroll Drum Motor 113i – Ø 113.5 mm – 3-phase – High Power

Motor			Gear stages	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	No. of poles	Full load current $I_f$ 400 V/50 Hz [A]				[m/s]	[Nm]	[N]		
[kW/HP]								[N]	[mm]	
0.07/0.09	12	0.62	3	43.49	0.05	77.4	1369	6550	300	
				37.05	0.06	65.9	1166			
				31.96	0.07	56.9	1006			
				28.17	0.08	50.1	887			
0.15/0.20	8	0.68	3	43.49	0.09	86.4	1528	6550	300	
				37.05	0.10	73.6	1302			
				31.96	0.13	63.5	1123			
0.18/0.24	6	0.80	3	43.49	0.12	76.9	1362	6550	300	
				37.05	0.15	65.6	1160			
				28.17	0.20	49.8	882			
				20.71	0.25	36.6	648			
			2	15.17	0.35	27.4	485	6550		
				11.15	0.50	20.1	356			
0.30/0.40	4	0.91	3	43.49	0.20	85.1	1507	6550	300	
				31.96	0.25	62.6	1107			
				28.17	0.30	55.2	976			
				24.00	0.35	47.0	832			
			2	20.71	0.40	40.5	717	6550		
				15.17	0.55	30.3	536			
				12.92	0.60	25.8	457			
				11.15	0.70	22.3	394			
0.37/0.50	2	1.10	3	43.49	0.40	51.2	905	6550	300	
				31.96	0.50	37.6	666			
				28.17	0.60	33.1	587			
				24.00	0.70	28.2	500			
				20.71	0.80	24.4	431			
			2	15.17	1.10	18.2	322	6550		
				12.92	1.30	15.5	275			
				11.15	1.50	13.4	237			

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 113i

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

RL	250	300	350	400	450	500	550	600	650	700	750	800	850
Weight	8.5	9.2	9.7	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.3	16	16.2

### Standard RL Interroll Drum Motor 113i – High Power

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

RL	300	350	400	450	500	550	600	650	700	750	800	850
Weight	10.5	11.2	11.9	12.6	12.9	13.6	14.3	15	15.7	16.4	17.1	17.8

### Standard RL Interroll Idler Pulley 113i

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

RL	250	300	350	400	450	500	550	600	650	700	750	800	850
Weight	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5