



## Interroll Drum Motor 113s – Ø 113.3 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	Belt pull	Max. Belt tension $T_1 + T_2$ [N]	Min. roller length RL [mm]
Power [kW/HP]	[Nm]						[N]			
0.04/0.05	8	0.34	3	63.0	0.07	29.2	515	2700	282	
				49.3	0.08	22.9	403			
				38.5	0.11	17.9	315			
0.11/0.15	4	0.45	3	63.0	0.13	40.6	719	2000	262	
	6			49.3	0.17	31.4	554			
		0.62		15.0	0.43	13.0	229	1800	297	
				11.6	0.49	11.6	204			
0.16/0.22	4	0.57	3	44.1	0.19	40.9	721	2000	282	
0.18/0.25	4	0.62	3	38.5	0.22	39.3	695	2000	297	
				30.8	0.27	32.1	566			
				26.8	0.31	28.0	494			
			2	24.0	0.35	25.0	441	1500		
				15.0	0.56	16.6	292			
				11.6	0.72	12.8	225			
				10.3	0.81	11.4	200			
			8.9	0.94	9.8	173				
			7.9	1.06	8.7	153				
0.33/0.45	2	0.83	3	44.1	0.38	41.7	738	2000	297	
				38.5	0.44	36.0	638			
				30.8	0.54	29.3	519			
				26.8	0.62	25.6	452			
				24.0	0.70	22.6	401			
			2	15.0	1.12	15.0	265	1500		
				11.6	1.44	11.7	206			
				10.3	1.62	10.4	183			
				8.9	1.88	8.9	158			
				7.9	2.12	7.9	140			

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



## Interroll Drum Motor 113s – Ø 113.3 mm – 1-phase

Motor		Full load current $i_f$ 230 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. roller length RL [mm]				
Power [kW/HP]	No. of poles												
0.06/0.08	4	0.75	3	63.0	0.12	23.6	416	2000	262				
				49.3	0.16	18.5	325						
				44.1	0.18	16.5	291						
				38.5	0.20	14.4	254						
				30.8	0.25	11.5	203						
				26.8	0.29	10.1	177						
				24.0	0.32	9.0	158						
	2	15.0	0.52	5.9	105	1500	262						
		11.6	0.67	4.6	81								
		10.3	0.75	4.1	72								
		8.9	0.87	3.5	62								
		7.9	0.98	3.1	55								
		0.08/0.11	6	1.3				15.0	0.41	13.7	241	1800	297
								11.6	0.46	12.1	214		
0.11/0.15	4	1.1	3	63.0	0.12	43.3	764	2000	282				
				49.3	0.16	33.9	596						
				44.1	0.18	30.3	534						
				38.5	0.20	26.4	466						
				30.8	0.25	21.1	392						
				26.8	0.29	18.4	325						
				24.0	0.32	16.5	290						
	4	1.1	2	15.0	0.52	10.9	192	1500	282				
				11.6	0.67	8.4	148						
				10.3	0.75	7.5	132						
				8.9	0.87	6.5	114						
				7.9	0.98	5.7	101						

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 113s

Power [kW/HP]	No. of poles	No. of phases	Standard weight [kg] for standard roller length RL [mm]					Weight increases by 0.7 kg/50 mm					(RL > 1112 please contact Interroll)			Max. RL 1112
			262	312	362	412	462	512	562	612	662	712	762	812	862	
0.04/0.05	8	3	-	8.3	8.9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	19.6
0.11/0.15	4	3	7.1	7.6	8.3	8.9	9.5	10.2	10.8	11.4	12	12.6	14	14.7	15.4	18.9
0.11/0.15	6	3	-	9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	16.8	18.9
0.11/0.15	4	1	-	8.3	8.9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	19.6
0.11/0.15	6	1	-	9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	16.8	18.9
0.16/0.22	4	3	-	8.3	8.9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	19.6
0.18/0.25	4	3	-	9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	16.8	18.9
0.33/0.45	2	3	-	9	9.5	10.2	10.8	11.4	12	12.6	13.3	14.7	15.4	16.1	16.8	18.9

## Standard RL Interroll Idler Pulley 113s

Standard weight [kg] for standard roller length RL mm (RL > 1112 please contact Interroll) (Weight increases 0.4 kg/50 mm)														Max. RL
RL	262	312	362	412	462	512	562	612	662	712	762	812	862	1112
113LT	3	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	9.7

Max. Belt tension see drum motors.