



Interroll Drum Motor 165i – Ø 164 mm – 3-phase

Motor		Full load current i_f 400 V/50 Hz [A]	Gear stages	Gear ratio i	Nominal speed at full load and 50 Hz [m/s]	Torque [Nm]	Belt pull at full load [N]	Max. Belt tension $T_1 + T_2$ [N]	Min. Shell length RL [mm]						
Power [kW/HP]	No. of poles														
0.15/0.20	12	0.65	3	62.37	0.06	184.3	2248	19000	400						
				46.56	0.08	137.6	1678								
				39.31	0.10	116.2	1417								
			31.56	0.12	93.3	1137									
			2	19.64	0.20	59.2	722								
				14.66	0.25	44.2	539								
12.38	0.30	37.3		455											
0.37/0.50	8	1.50	3	62.37	0.10	300.0	3666	19000	400						
				39.31	0.15	189.4	2310								
0.37/0.50	4	1.25	3	62.37	0.20	150.3	1833	19000	400						
				46.56	0.25	112.2	1368								
				39.31	0.30	94.7	1155								
				31.56	0.40	76.0	927								
				24.60	0.50	58.2	710								
			2	19.64	0.60	48.3	589								
				14.66	0.80	36.0	439								
				12.38	0.95	30.4	371								
				0.55/0.74	6	1.60	3			62.37	0.12	365.2	4453	19000	400
										46.56	0.15	272.6	3324		
37.38	0.20	218.8	2668												
2	19.64	0.35	117.3				1431								
	14.66	0.50	87.6				1068								
	12.38	0.60	73.9				902								
0.75/1.00	4	1.80	3	62.37	0.20	310.6	3787	19000	400						
				46.56	0.25	231.8	2827								
				39.31	0.30	195.7	2387								
				31.56	0.40	157.1	1916								
				24.60	0.50	118.1	1440								
			2	19.64	0.60	99.8	1217								
				14.66	0.80	74.5	908								
				12.38	0.95	62.9	767								
				1.10/1.50	4	2.80	3			46.56	0.25	348.8	4254	19000	400
										37.38	0.30	280.0	3415		
31.56	0.40	236.4	2883												
24.60	0.50	173.2	2112												
2	19.64	0.60	150.1				1831								
	14.66	0.80	112.1				1366								
	12.38	0.95	94.6				1154								
	1.10/1.50	2	2.40				3	46.56	0.50	161.7	1972	19000	400		
39.31				0.60	136.5	1665									
31.56				0.80	109.6	1337									
24.60				1.00	86.6	1056									
2				19.64	1.25	69.6	849								
				14.66	1.65	51.9	633								
				12.38	2.00	43.9	535								

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



Interroll Drum Motor 165i – Ø 164 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 speed at full load and 50 Hz [m/s]	Torque [Nm]	Belt pull at full load [N]	Max. Belt tension $T_1 + T_2$ [N]	Min. Shell length RL [mm]
0.37/0.50	12	1.60	3	50.07	0.08	365.2	4454	19000	450
0.75/1.00	8	2.05	3	39.31	0.15	383.7	4679	19000	450
0.75/1.00	6	2.10	3	46.56 37.38	0.15 0.20	371.6 298.3	4532 3638	19000	450
1.5/2.00	4	3.50	3	31.56	0.20	305.3	3723	19000	450
				24.60	0.50	236.2	2880		
			2	19.64	0.60	193.9	2364		
				14.68 12.38	0.80 0.95	144.7 122.2	1765 1490		
2.2/3.00	2	4.55	3	50.07	0.50	348.7	4253	19000	450
				39.31	0.60	273.8	3339		
				31.56	0.80	219.8	2680		
				24.60	1.00	173.0	2112		
			2	19.64	1.25	139.6	1702		
				14.66	1.65	104.2	1270		
				12.38	2.00	87.9	1073		
				9.65	2.55	68.7	828		

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 165i

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

RL	400	450	500	550	600	650	700	750	800	850	900	950	1000
Weight	35	36.9	38.8	40.7	42.6	44.5	46.4	48.3	50.2	52.1	54	55.9	57.8

Standard RL Interroll Drum Motor 165i – High Power

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

RL	450	500	550	600	650	700	750	800	850	900	950	1000
Weight	36.9	38.8	40.7	42.6	44.5	46.4	48.3	50.2	52.1	54	55.9	57.8

Standard RL Interroll Idler Pulley 165i

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

RL	400	450	500	550	600	650	700	750	800	850	900	950	1000
Weight	14	15.5	17	18.5	20	21.5	23	24.5	26	27.5	29	30.5	32