



Interroll Drum Motor 216i – Ø 217.5 mm – 3-phase

Motor Power [kW/HP]	No. of poles	Full load current i_f 400 V/50 Hz [A]	Number of gear stages	Gear ratio i	Nominal belt speed 50 Hz [m/s]	Full load torque [Nm]	Full load belt pull [N]	Max. belt tension $T_1 + T_2$ [N]	Min. Shell length RL [mm]						
0.15/0.20	12	0.65	3	62.37	0.08	184.3	1695	19000	400						
				46.56	0.10	137.6	1265								
0.37/0.50	8	1.5	3	50.07	0.15	241.3	2219	19000	400						
				39.31	0.20	189.4	1742								
0.37/0.50	4	1.3	3	62.37	0.25	150.3	1382	19000	400						
				50.07	0.30	120.6	1109								
				46.56	0.35	112.2	1032								
				39.31	0.40	94.7	871								
				31.56	0.50	76.0	699								
			24.60	0.65	59.0	546									
			2	19.64	0.80	48.3	444								
				14.66	1.00	36.0	331								
				12.38	1.30	30.4	280								
				0.55/0.74	6	1.6	3			46.56	0.20	272.6	2506	19000	400
37.38	0.25	218.8						2012							
31.56	0.30	184.7	1699												
2	19.64	0.50	117.3				1079								
	14.66	0.65	87.6				805								
12.38	0.80	73.9	680												
0.75/1.00	4	1.8	3	62.37	0.25	310.6	2856	19000	400						
				46.56	0.35	231.8	2132								
				37.38	0.40	186.1	1711								
				31.56	0.50	157.1	1445								
				24.60	0.65	120.0	1107								
			2	19.64	0.80	99.8	917								
				14.66	1.05	74.5	685								
				12.38	1.25	62.9	578								
				1.10/1.50	4	2.8	3			37.38	0.40	280.0	2575	19000	400
										31.56	0.50	236.4	2174		
24.60	0.65	176.0	1624												
2	19.64	0.75	151.0				1387								
	14.66	1.00	113.0				1036								
12.38	1.20	95.1	874												
1.1/1.50	2	2.4	3	62.37	0.50	217.0	1997	19000	400						
				50.07	0.65	174.0	1603								
				39.31	0.80	137.0	1259								
				31.56	1.00	110.0	1010								
				24.60	1.30	88.0	812								
			2	19.64	1.60	69.8	642								
				14.66	2.20	52.1	479								
				12.38	2.60	44.0	404								

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



Interroll Drum Motor 216i – Ø 217.5 mm – 3-Phases – High Power

Motor Power [kW/HP]	No. of poles	Full load current i_f 400 V/50 Hz [A]	Number of gear stages	Gear ratio i	Nominal belt speed 50 Hz [m/s]	Full load torque [Nm]	Full load belt pull [N]	Max. belt tension $T_1 + T_2$ [N]	Min. Shell length RL [mm]
0.37/0.50	12	1.60	3	50.07	0.10	365.2	3359	19000	450
0.75/1.00	8	2.05	3	39.31	0.20	383.7	3528	19000	450
0.75/1.00	6	2.10	3	46.56 37.38	0.20 0.25	371.6 298.3	3417 2743	19000	450
1.5/2.00	4	3.50	3	31.56	0.50	305.3	2808	19000	450
				24.60	0.65	236.2	2172		
			2	19.64	0.80	193.9	1783		
				14.66 12.38	1.10 1.30	144.7 122.2	1331 1123		
2.2/3.00	2	4.55	3	50.07	0.65	348.7	3207	19000	450
				39.31	0.80	273.8	2518		
				31.56	1.00	219.8	2021		
			2	24.60	1.30	173.0	1590		
				19.64	1.60	139.6	1283		
				14.66 12.38	2.20 2.60	104.2 87.9	958 809		

Standard RL Interroll Drum Motor 216i

Standard weight [Kg] for standard shell length RL mm

RL	400	450	500	550	600	650	700	750	800	850	900	950	1000
Weight	46.5	47.8	49.1	50.4	51.7	53	54.3	55.6	56.9	58.2	59.5	60.8	62.10

Standard RL Interroll Drum Motor 216i – 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	47.8	49.1	50.4	51.7	53	54.3	55.6	56.9	58.2	59.5	60.8	62.10

Standard RL Interroll Idler Pulley 216i

Standard weight [Kg] for standard shell length RL mm

RL	400	450	500	550	600	650	700	750	800	850	900	950	1000
Weight	19	21	23	25	27	29	31	33	35	37	39	41	43