Interroll Drum Motor 80i – Ø 81.5 mm – 3-phase

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]
0.018/0.024	8	0.19	3	54.73 38.18 31.09	0.05 0.07 0.08	14.4 10.1 8.2	352 245 200	3250	243
0.07/0.94	4	0.28	3	54.73 38.18 31.09	0.10 0.15 0.20	26.8 18.7 15.2	653 456 371	3250	243
			2	21.28 14.85 12.09	0.25 0.40 0.50	10.6 7.4 6.0	259 181 147	3250	
0.12/0.16	2	0.34	3	54.73 38.18 31.09	0.20 0.30 0.40	21.1 14.7 12.0	515 359 293	3250	243
			2	21.28 14.85 12.09	0.55 0.80 1.00	8.4 5.9 4.8	204 143 116	3250	

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

Interroll Drum Motor 80i – Ø 81.5 mm – 3-phase – Short version RL = 193 mm

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]	Shell length RL [mm]
0.04/ 0.054	4	0.21	3	54.73 38.18 31.09	0.10 0.15 0.20	14.4 10.1 8.2	352 245 200	3250	193
			2	21.28 14.85 12.09	0.25 0.40 0.50	5.7 4.0 3.3	140 97 79	3250	
0.07/ 0.94	2	0.22	3	54.73 38.18 31.09	0.20 0.30 0.40	12.4 8.6 7.0	302 210 171	3250	193
			2	21.28 14.85 12.09	0.55 0.80 1.00	4.9 3.5 2.8	120 83 68	3250	

Note! Short version available with one voltage only and 6 lead cable.

Standard RL Interroll Drum Motor 80i

Standard weight [kg] for standard Shell length RL mm

RL	243	293	343	393	443	493	543
Weight	4	4.5	5	5.5	6	6.5	7

Standard RL Interroll Drum Motor 80i – Short version

Standard weight [kg] for standard Shell length RL mm

RL	193
Weight	3.5

Standard RL Interroll Idler Pulley 80i

Standard weight [kg] for standard Shell length RL mm

RL	243	293	343	393	443	493	543
Weight	2	2.4	2.7	3	3.3	3.6	3.9