



Technical data – Three-phase winding drives

Torques of 1 up to 28 Nm; further sizes up to 260 Nm on request

Size IEC 63 - IEC 132

Protection class IP 54, insulation class „F“ DIN/VDE 0530

Cooling:

Type **F** and **K** : forced-ventilated, cooling mode IC 0541 with temperature sensor

Type **S**: self-cooling, cooling mode IC 0041

Appropriate control unit for all types:

Three-phase voltage regulator Type **W3412.1** or **W3405** (3x400VAC, 50-60 Hz)

Winder Type	Size IEC	Moment Md (Nm)	Synchro-nous torque n_s (min ⁻¹)	Calculation torque n_B (min ⁻¹)	Current consumption of winder (A) 3x400V; 50Hz	Current consumption of fan (A) 230V; 50Hz
Protection class IP 54						
F 472	71	2.0	1500	1200	0.9	0.12
F 480	80	3.0	1500	1200	1.38	0.25
F 481	80	3.5	1500	1200	1.52	0.25
F 490	90 S	3.7	1500	1200	1.52	0.25
F 491	90 L	4.9	1500	1200	1.66	0.25
F 4100	100	5.0	1500	1200	2.2	0.25
F 4102	100	6.5	1500	1200	3.25	0.25
F 4112	112 S	6.8	1500	1200	2.85	0.27
F 4113	112 M	9.0	1500	1200	4.0	0.27
F 4132	132	15.0	1500	1200	6,4	0.27
F 8100	100 L	8.0	750	600	2.0	0.25
F 8113	112M	15.0	750	600	3.6	0.27
F 12112	112 M	20.0	500	400	3.5	0.27
S 871	71	1.0	750	600	0.33	self-cooling
S 890	90	2.0	750	600	0.52	
S 8100	100	2.6	750	600	0.59	
S 1280	80	1.1	500	400	0.24	
S 1290	90	2.6	500	400	0.58	
S 12100	100	3.5	500	400	0.67	
S 12112	112	5.5	500	400	1.14	
Protection class IP 21 S						
K 4132	132 S	15.60	1500	1200	6.46	0.85
K 4133	132 M	28.50	1500	1200	11.4	0.85