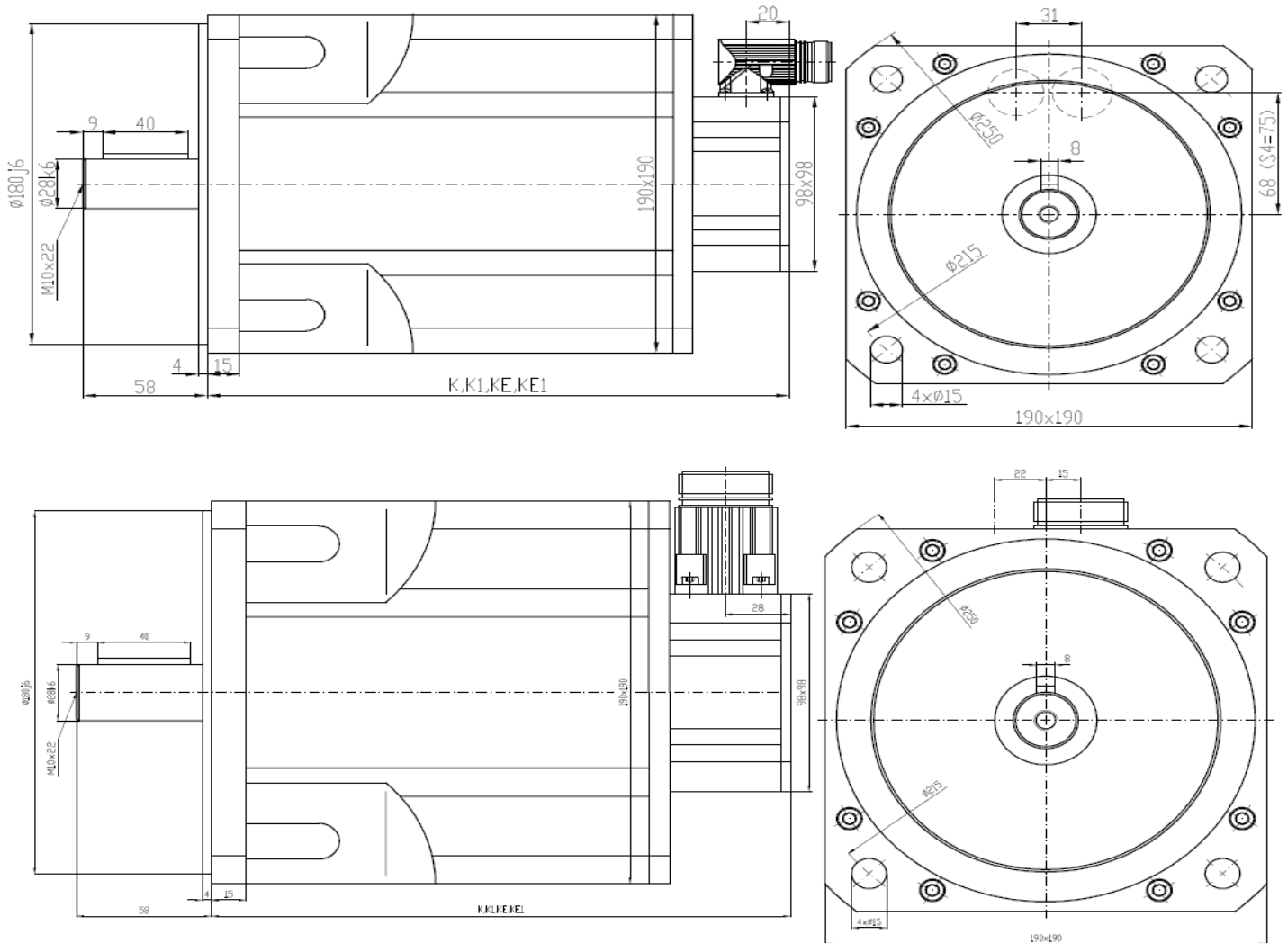


TECHNICAL DATA

		VDC	560					
Magnets Nd-Fe-B			SMXT7-850	SMXT7-1250	SMXT7-1850	SMXT7-2700	SMXT7-3200	SMXT7-4000
Stall torque	M_0	Nm	8,5	12,5	18,5	26	32	40
Stall current	I_0	A	5,9	8	11	16	20,8	24,7
Nominal torque	M_N	Nm	6,5	10,5	14	21	23	26
Nominal speed	n_N	min. ⁻¹	3000	3000	3000	3000	3000	3000
Nominal power	P_N	W	2042	3299	4398	6597	7226	8168
Nominal current	I_N	A	5	7,3	9,1	13,5	16,4	17,9
Maximum torque	M_{max}	Nm	26	38	56	81	96	120
Maximum current	I_{max}	A	23	31	43	62	81	96
Max. speed mech.	n_{max}	min. ⁻¹	6000	6000	6000	6000	6000	6000
Torque constant	K_M	Nm/A	1,44	1,57	1,69	1,69	1,54	1,62
Voltage constant	K_E	V/1000 min. ⁻¹	87	95	102	102	93	98
Resistance 2 ph.	R_{2Ph}	Ω	1,92	1,14	0,82	0,43	0,29	0,23
Inductance 2 ph.	L_{2Ph}	mH	20,5	14,1	12,1	7,5	5,3	4,5
Inertia	J	kgcm ²	23,5	26,7	29,8	36,1	39,2	45,5
Mass without brake	m	kg	12,4	15,1	17,9	23,5	26	31,5
Mass with brake	m_{Br}	kg	15,4	18,1	20,9	26,5	29	34,5
Brake torque	M_{Br}	Nm	36	36	36	36	36	36

DIMENSIONS



Type	K (resolver)	K1 (resolver+brake)	KE (EnDat)	KE1(EnDat+brake)
SMXT7-850	168 mm	222 mm	188 mm	242 mm
SMXT7-1250	183 mm	237 mm	203 mm	257 mm
SMXT7-1850	198 mm	252 mm	218 mm	272 mm
SMXT7-2700	242 mm	296 mm	262 mm	316 mm
SMXT7-3200	257 mm	326 mm	277 mm	331 mm
SMXT7-4000	287 mm	356 mm	307 mm	361 mm

On request we can send you the technical parameters of the motors designed for different DC-Voltages or speed/torque characteristics. Other adaptations and modifications are possible.