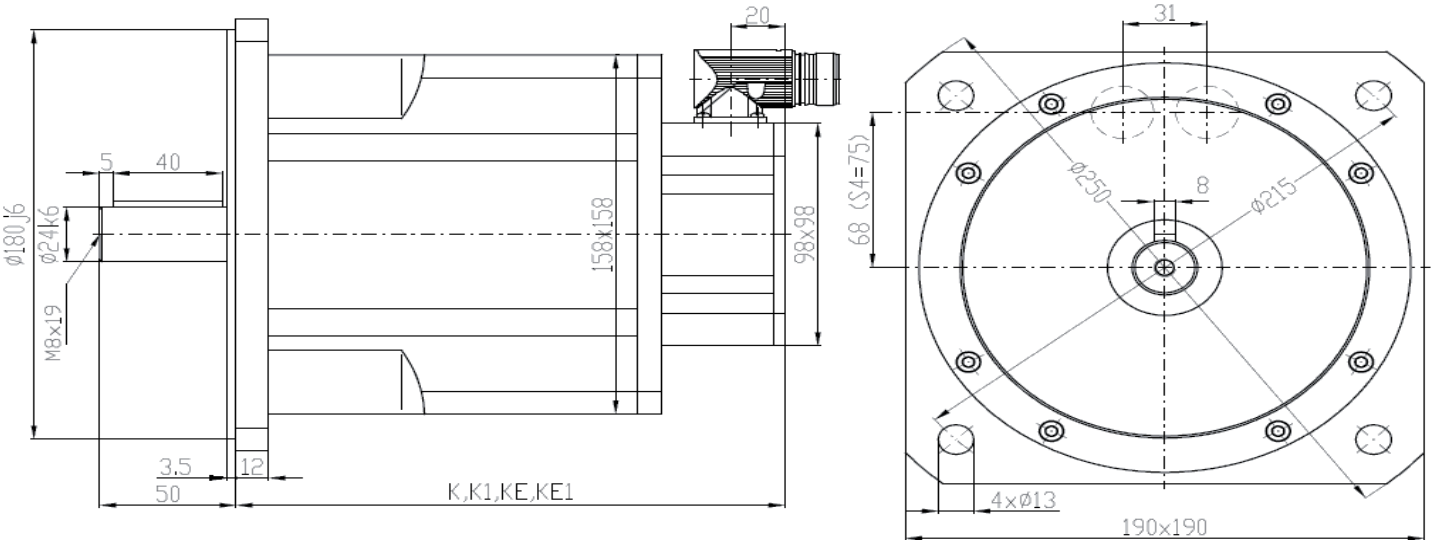
TECHNICAL DATA

		VDC	560				
Magnets Nd-Fe-B			SMXT6-700	SMXT6-1350	SMXT6-1900	SMXT6-2200	SMXT6-2900
Stall torque	M_0	Nm	7	13,5	19	22	29
Stall current	I_0	A	6,1	8,2	13,8	14,6	17,2
Nominal torque	M_N	Nm	6	13	17	19	24
Nominal speed	n_N	$min.^{-1}$	3000	3000	3000	3000	3000
Nominal power	P_N	W	1885	4084	5341	5969	7540
Nominal current	I_N	A	5,8	8,2	12,8	13,1	14,7
Maximum torque	M_{max}	Nm	21	47	57	66	87
Maximum current	I_{max}	A	26	35	59	62	73
Max. speed mech.	n_{max}	$min.^{-1}$	6000	6000	6000	6000	6000
Torque constant	K_M	Nm/A	1,14	1,65	1,37	1,51	1,69
Voltage constant	K_E	V/1000 $min.^{-1}$	69	100	83	91	102
Resistance 2 ph.	R_{2Ph}	Ω	1,83	1,1	0,42	0,41	0,31
Inductance 2 ph.	L_{2Ph}	mH	16,3	14,6	6,3	6,4	5,6
Inertia	J	$kgcm^2$	7,8	13,1	18,7	22	33
Mass without brake	m	kg	9,7	13,9	18,2	20,3	26,7
Mass with brake	m_{Br}	kg	12,7	17,9	21,2	23,3	29,7
Brake torque	M_{Br}	Nm	36	36	36	36	36

DIMENSIONS



Type	K (resolver)	K1 (resolver+brake)	KE (EnDat)	KE1(EnDat+brake)
SMXT6-700	169 mm	212 mm	177 mm	230 mm
SMXT6-1350	186 mm	229 mm	221 mm	274 mm
SMXT6-1900	220 mm	263 mm	255 mm	308 mm
SMXT6-2200	237 mm	280 mm	272 mm	325 mm
SMXT6-2900	271 mm	314 mm	330 mm	383 mm

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