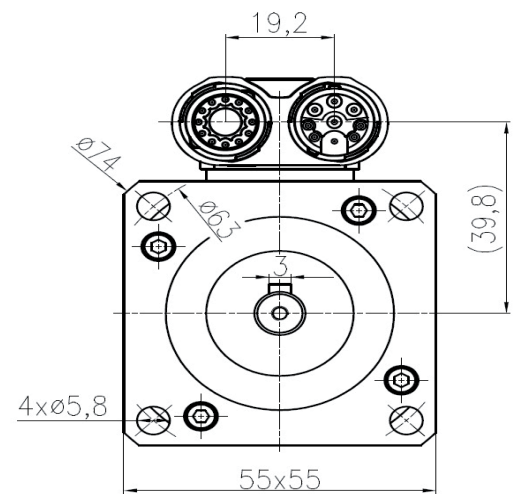
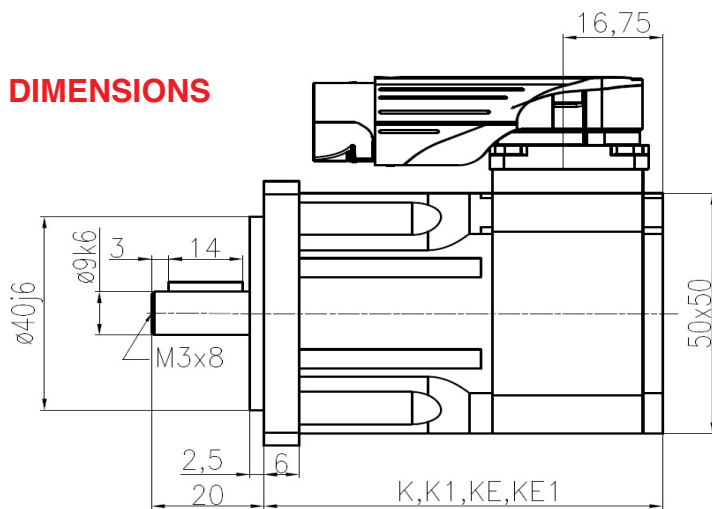


TECHNICAL DATA

		VDC	36				320			
Magnets Nd-Fe-B			SMXN2-28	SMXN2-54	SMXN2-75	SMXN2-95	SMXN2-28	SMXN2-54	SMXN2-75	SMXN2-95
Stall torque	M_0	Nm	0,28	0,54	0,75	0,95	0,28	0,54	0,75	0,95
Stall current	I_0	A	7,9	7,6	7,7	7,3	0,97	1,17	1,54	1,82
Nominal torque	M_N	Nm	0,25	0,51	0,72	0,93	0,25	0,48	0,68	0,85
Nominal speed	n_N	min. ⁻¹	4000	3000	2500	1500	4500	4500	4500	4500
Nominal power	P_N	W	104	160	188	146	117	226	320	400
Nominal current	I_N	A	7,8	7,77	7,8	7,5	0,96	1,12	1,48	1,7
Maximum torque	M_{max}	Nm	1,1	2,1	2,7	3,1	1,1	2,2	3	3,8
Maximum current	I_{max}	A	36	33	31	25	4,5	5,4	7,1	8,4
Max. speed mech.	n_{max}	min. ⁻¹	12000	12000	12000	12000	12000	12000	12000	12000
Torque constant	K_M	Nm/A	0,04	0,07	0,1	0,13	0,29	0,46	0,49	0,52
Voltage constant	K_E	V/1000	2,2	4,3	5,9	7,8	17,5	28	29,5	31,5
Motor poles	2p	-	6	6	6	6	6	6	6	6
Resistance 2 ph.	R_{2Ph}	Ω	0,43	0,62	0,66	0,82	28,3	25,9	17	13,1
Inductance 2 ph.	L_{2Ph}	mH	0,42	0,76	0,89	1,18	28,4	32,3	22,7	19
Inertia	J	kgcm ²	0,05	0,07	0,09	0,11	0,05	0,07	0,09	0,11
Mass without brake	m	kg	0,76	0,93	1,1	1,27	0,76	0,93	1,1	1,27
Mass with brake	m_{Br}	kg	1,2	1,37	1,54	1,71	1,2	1,37	1,54	1,71
Brake torque	M_{Br}	Nm	2	2	2	2	2	2	2	2

		VDC	560			
Magnets Nd-Fe-B			SMXN2-28	SMXN2-54	SMXN2-75	SMXN2-95
Stall torque	M_0	Nm	0,28	0,54	0,75	0,95
Stall current	I_0	A	0,97	0,93	0,86	1,15
Nominal torque	M_N	Nm	0,25	0,48	0,68	0,85
Nominal speed	n_N	min. ⁻¹	4500	4500	4500	4500
Nominal power	P_N	W	117	226	320	400
Nominal current	I_N	A	0,96	0,9	0,83	1,07
Maximum torque	M_{max}	Nm	1,1	2,2	3	3,8
Maximum current	I_{max}	A	4,5	4,3	3,9	5,3
Max. speed mech.	n_{max}	min. ⁻¹	12000	12000	12000	12000
Torque constant	K_M	Nm/A	0,29	0,58	0,88	0,83
Voltage constant	K_E	V/1000	17,5	35	53	50
		rpm	6	6	6	6
Motor poles	2p	-	28,3	41,1	54	33,6
Resistance 2 ph.	R_{2Ph}	Ω	28,4	51	72	48,5
Inductance 2 ph.	L_{2Ph}	mH	0,05	0,07	0,09	0,11
Inertia	J	kgcm ²	0,76	0,93	1,1	1,27
Mass without brake	m	kg	1,2	1,37	1,54	1,71
Mass with brake	m_{Br}	kg				
Brake torque	M_{Br}	Nm				

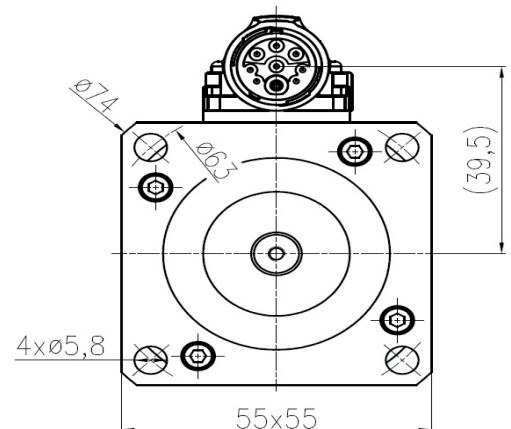
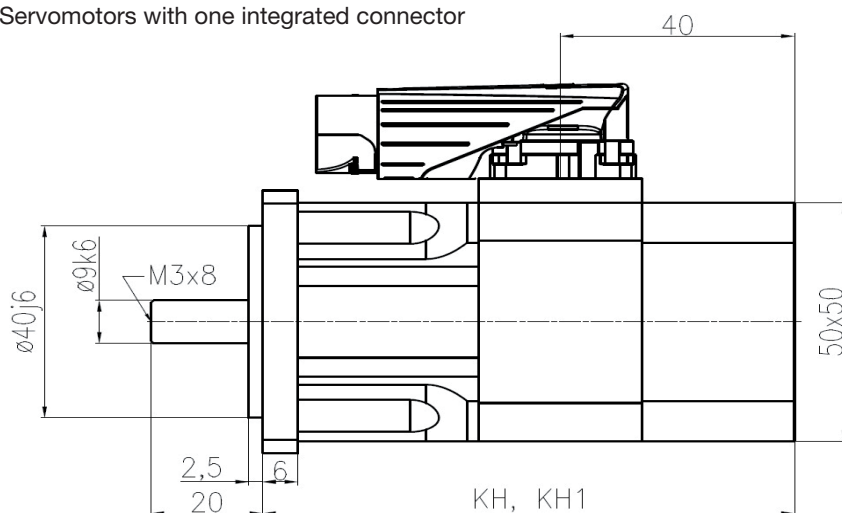
DIMENSIONS



Type	K (Resolver)	K1 (Resolver+brake)	KE (EnDAT)	KE1 (EnDAT+brake)
SMXN2-028	67 mm	105 mm	131 mm	166 mm
SMXN2-054	82 mm	120 mm	146 mm	181 mm
SMXN2-075	97 mm	135 mm	161 mm	196 mm
SMXN2-095	112 mm	150 mm	176 mm	211 mm

Length of motor with Hiperface sensor is the same like length of motor with EnDat sensor. In some types of motor can be smaller.

Servomotors with one integrated connector



Type	KH (DSL)	KH1 (DSL+brake)
SMXN2-028	94 mm	128 mm
SMXN2-054	109 mm	143 mm
SMXN2-075	124 mm	158 mm
SMXN2-095	139 mm	173 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.