

Art. No.	0.0.666.03	0.0.666.04	0.0.666.02	0.0.665.99	0.0.666.01	0.0.666.00	0.0.688.47	0.0.688.48	0.0.688.49	0.0.688.50	0.0.688.51	0.0.688.52
Product name	Motor SE 40-035-3-90-R	Motor SE 40-035-3-90-R-B	Motor SE 60-150-3-60-R	Motor SE 60-150-3-60-R-B	Motor SE 80-350-5-55-R	Motor SE 80-350-5-55-R-B	Motor SE 40-035-3-90-AK	Motor SE 40-035-3-90-AK-B	Motor SE 60-150-3-60-AK	Motor SE 60-150-3-60-AK-B	Motor SE 80-350-5-55-AK	Motor SE 80-350-5-55-AK-B
Rated speed [RPM]	9000	9000	6000	6000	5500	5500	6000	6000	6000	6000	5500	5500
Number of pole pairs	2	2	3	3	3	3	2	2	3	3	3	3
Intermediate circuit voltage [V]	320	320	320	320	560	560	320	320	320	320	560	560
Rated voltage [V]	132	132	180	180	316	316	132	132	180	180	316	316
Rated power [W]	200	200	550	550	1200	1200	200	200	550	550	1200	1200
Rated torque of Motor [Nm]	0.21	0.21	0.9	0.9	2.1	2.1	0.21	0.21	0.9	0.9	2.1	2.1
Stall torque of motor [Nm]	0.35	0.35	1.5	1.5	3.5	3.5	0.35	0.35	1.5	1.5	3.5	3.5
Rated current per phase [A]	1.2	1.2	2.2	2.2	2.8	2.8	1.2	1.2	2.2	2.2	2.8	2.8
Peak torque [Nm]	1.4	1.4	6	6	14	14	1.4	1.4	6	6	14	14
Peak current [A]	6.4	6.4	13.2	13.2	15.6	15.6	6.4	6.4	13.2	13.2	15.6	15.6
Max. speed [RPM]	10000	10000	7350	7350	6680	6680	6000	6000	6000	6000	6000	6000
Voltage constant at 1000 RPM [V]	13.2	13.2	27.9	27.9	55	55	13.2	13.2	27.9	27.9	55	55
Torque constant [Nm/A]	0.22	0.22	0.46	0.46	0.91	0.91	0.22	0.22	0.46	0.46	0.91	0.91
Mass moment of inertia, rotor [kgcm <sup>2</sup> ]	0.054	0.054	0.413	0.413	1.93	1.93	0.054	0.054	0.413	0.413	1.93	1.93
Holding brake	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Static braking torque [Nm]		0.4		2		4.5		0.4		2		4.5
Motor type	Permanent-magnet three-phase synchronous servomotor											
Ambient temperature (during operation)	-10°C to +40°C											
Storage temperature	-20°C to +70°C											
Humidity	Less than 90% relative humidity (without condensing)											
Insulation class	F (= up to 155°C) Delta T = 115 K											
Protection class	IP65											
Max. installation height	4,000 m over NN; with power reduction of 1% per 100 m starting from 1,000 m											
Property	white aluminium, similar to RAL 9006											
Shaft end	Cylindrical shaft end											
Magnetic material	Neodymium iron boron (NdFeB)											
Encoder systems	Resolver						Capacitive incremental encoder					
Approvals	CE, UL											