

394731 - Combination EC-Motor ECF Ø45×25.85mm, 50 W with Planetary Gearhead Ø42 3 Stages KL

Motor	601603	
Gear	203123	
Nominal Voltage	24	V
No-load speed	61.2	rpm
No-load current	451	mA
Nominal speed	61.2	rpm
Nominal torque	3570	mNm
Nominal current	2.07	A
Stall torque	57500	mNm
Stall current	42.3	A
Max. efficiency	48.9	%
Terminal Resistance	0.567	Ohm
Terminal Inductance	0.413	mH
Torque constant	1890	mNm/A
Speed constant	3.64	rpm/V
Speed/torque gradient	0.00152	rpm/mNm
Mechanical time constant	8.75	ms
Rotor inertia	1060000	gcm ²
Max. permissible speed	109	rpm
Max. intermittent torque	22	Nm
Gear Ratio	73.5	-
Number of stages	3	-
Weight	720	g
Therm. resistance housing-ambient at nominal working point	2.57	K/W
Therm. resistance winding-housing at nominal working point	6.7	K/W
Therm. time constant winding	45.1	s
Therm. time constant motor	239	s
Ambient temperature min.	-40	°C
Ambient temperature max.	85	°C
Max. adm. winding temperature	125	°C
Recommended max. input speed	8000	rpm
Axial play, maximum	0.3	mm
Axial play, minimum		mm
Preload force, min.	5	N
Radial play, maximum	0.06	mm
Max. dynamic axial force	150	N
Max. static axial force	300	N
Max. radial force	360	N
mm from flange	12	mm
Pole pair number	8	-
Phase number	3	-