



Motor Data				SBR408524B-02	SBR408548B-02		
1	Nominal voltage	V	V	24	48		
2	No load speed	rpm	Wnl	10000	10000		
3	No load current	mA	InI	350	150		
4	Nominal speed	rpm	Wc	8250	9300		
5	Nominal torque	mNm	Tc	140	170		
6	Nominal current	A	Ic	6.74	3.72		
7	Output power	W	Pc	150	166.2		
8	Stall torque	mNm	Tmax	2076.2	2465.2		
9	Stall current	A	Imax	100	53.93		
10	Max. efficiency	%	η_{max}	93.3	93.1		
11	Terminal resistance	Ω	Rt	0.24	0.89		
12	Terminal inductance	L	mH	0.3	0.5		
13	Torque constant	mNm / A	Kt	20.76	45.71		
14	Speed constant	rpm / V	Kn	460	208.9		
15	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	5.04	3.9		

Specifications			
1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	12210 rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		3
7	weight of motor	Wt	578 g
8	Max. axial load (dynamic)		8N
9	Max. force for press fits (static)		211N
10	Max. radial load, 4 mm from flange		80N

