MG8108-9 Parameters

Parameter	Unit	Configuration 1	Configuration 2
Winding method	Delta / Y	Y	Delta
Rated voltage	V	48	24
Driver board model	/	GDS810(SDC103	GDZ810
Voltage Range	V	12~48	12~48
Rated Power	W	192	214.32
Rated torque	N.M	8.19	8.02
Peak torque	N.M	27.38	34.67
Rated Speed after reduction	RPM	207	190
Max Speed after reduction	RPM	242	223
Rated current	A	4	8.93
Peak current	A	19.8	56.01
Phase-to-phase resistance	ohm	0.73	0.303
Phase-to-phase inductance	mH	0.49	0.099
Speed constant	rpm/v	5.04166666666667	9.29166666666667
Torque constant	N.M/A	1.83	0.72
Number of pole pairs	Pairs	21	21
Gear ratio	/	9:1	9:1
Gear type	/	Planetary	Planetary
Reducer gear material	/	STEEL	STEEL
Reducer gear backlash	arcmin	15	15
Motor weight without driver	g	525	525
Motor weight with driver	g	567	567
Size without Driver	mm	Dia. 96 x 34	Dia. 96 x 34
Size with Driver	mm	Dia. 96 x 41.5	Dia. 96 x 41.5
Max. axial load	N	225	225
Max. radial load	N	900	900
Noise	dB	<60	<60
Communication	/	CAN	CAN & 485
Second encoder on output shaft	/	NO	YES
Protection grade	/	IP54	IP54
Working temperature	deg C	-20~+80	-20~+80
Resolution of the encoder on the driver	Bit	14bit	14bit
Can support separate encoder or not	/	NO	NO
Can support custom brakes	/	YES	YES