MG8115-36 Parameters

Parameter	Unit	Configuration 1	Configuration 2
Winding method	Delta / Y	Delta	Y
Rated voltage	V	24	48
Driver board model	/	GDS810(SDC103	GDZ810
Voltage Range	V	12~48	12~48
Rated Power	W	163.2	409.44
Rated torque	N.M	45.6	48
Peak torque	N.M	132	190.2
Rated Speed after reduction	RPM	26	28
Max Speed after reduction	RPM	32	35
Rated current	A	6.8	8.53
Peak current	A	20.5	48.91
Phase-to-phase resistance	ohm	0.98	0.351
Phase-to-phase inductance	mH	0.55	0.157
Speed constant	rpm/v	1.33333333333333	0.729166666666667
Torque constant	N.M/A	6.56	5.8
Number of pole pairs	Pairs	21	21
Gear ratio	/	36:1	36:1
Gear type	/	Planetary	Planetary
Reducer gear material	/	STEEL	STEEL
Reducer gear backlash	arcmin	15	15
Motor weight without driver	g	920	920
Motor weight with driver	g	960	960
Size without Driver	mm	Dia. 96 x 51.5	Dia. 96 x 51.5
Size with Driver	mm	Dia. 96 x 64	Dia. 96 x 64
Max. axial load	N	250	250
Max. radial load	N	1000	1000
Noise	dB	<65	<65
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