MG6010-8 Parameters

Parameter	Unit	Configuration 1	Configuration 2
Winding method	Delta / Y	Y	Y
Rated voltage	V	24	48
Driver board model	/	GDS68(SDC104	GDZ468H
Voltage Range	V	12~56	12~48
Rated Power	W	252	137.76
Rated torque	N.M	5	4.2
Peak torque	N.M	11	11.27
Rated Speed after reduction	RPM	120	220
Max Speed after reduction	RPM	420	554
Rated current	A	10.5	2.87
Peak current	A	23.4042553191489	20.02
Phase-to-phase resistance	ohm	0.44	0.44
Phase-to-phase inductance	mH	0.23	0.23
Speed constant	rpm/v	11.5416666666667	11.5416666666667
Torque constant	N.M/A	0.47	0.65
Number of pole pairs	Pairs	14	14
Gear ratio	/	8:1	8:1
Gear type	/	Planetary	Planetary
Reducer gear material	/	STEEL	STEEL
Reducer gear backlash	arcmin	15	15
Motor weight without driver	g	370	370
Motor weight with driver	g	388	388
Size without Driver	mm	Dia. 80 x 29.5	Dia. 80 x 29.5
Size with Driver	mm	Dia. 80 x 40	Dia. 80 x 40
Max. axial load	N	200	200
Max. radial load	N	800	800
Noise	dB	<60	<60
Communication	/	CAN	CAN & 485
Second encoder on output shaft	/	YES	YES
Protection grade	/	IP54	IP54
Working temperature	deg C	-20~+80	-20~+80
Resolution of the encoder on the driver	Bit	16bit	16bit
Can support separate encoder or not	/	NO	NO
Can support custom brakes	/	YES	YES