MG3505-9 Parameters

Parameter	Unit	Configuration 1
Winding method	Delta / Y	Y
Rated voltage	V	24
Driver board model	/	/
Voltage Range	V	12~40
Rated Power	W	38.4
Rated torque	N.M	0.71
Peak torque	N.M	1.95
Rated Speed after reduction	RPM	258
Max Speed after reduction	RPM	380
Rated current	A	1.6
Peak current	A	4.19
Phase-to-phase resistance	ohm	4.466
Phase-to-phase inductance	mH	0.454
Speed constant	rpm/v	15.8333333333333
Torque constant	N.M/A	0.35
Number of pole pairs	Pairs	11
Gear ratio	/	9:1
Gear type	/	Planetary
Reducer gear material	/	ALU
Reducer gear backlash	arcmin	15
Motor weight without driver	g	120
Motor weight with driver	g	131.7
Size without Driver	mm	Dia. 45 x 32.3
Size with Driver	mm	Dia. 45 x 36.1
Max. axial load	N	75
Max. radial load	N	300
Noise	dB	<60
Communication	/	CAN&485
Second encoder on output shaft	/	YES
Protection grade	/	IP54
Working temperature	deg C	-20~+80
Resolution of the encoder on the driver	Bit	14bit
Can support separate encoder or not	/	YES
Can support custom brakes	/	YES