MG4305-10 Parameters

Parameter	Unit	Configuration 1
Winding method	Delta / Y	Y
Rated voltage	V	24
Driver board model	/	GDZ34
Voltage Range	V	12~40
Rated Power	W	52.32
Rated torque	N.M	1.05
Peak torque	N.M	3.82
Rated Speed after reduction	RPM	312
Max Speed after reduction	RPM	402
Rated current	A	2.18
Peak current	A	14.99
Phase-to-phase resistance	ohm	1.113
Phase-to-phase inductance	mH	0.283
Speed constant	rpm/v	16.75
Torque constant	N.M/A	0.39
Number of pole pairs	Pairs	14
Gear ratio	/	10:1
Gear type	/	Planetary
Reducer gear material	/	ALU or STELL
Reducer gear backlash	arcmin	15
Motor weight without driver	g	140
Motor weight with driver	g	150
Size without Driver	mm	Dia. 53 x 26
Size with Driver	mm	Dia. 53 x 32
Max. axial load	N	125
Max. radial load	N	500
Noise	dB	<60
Communication	/	CAN&485
Second encoder on output shaft	/	NO
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