

Parameter	Unit	Configuration 1	Configuration 2	Configuration 3
Winding method	Delta / Y	Y	Y	Y
Rated voltage	V	48	24	48
Driver board model	/	GDS68(SDC104	GDZ468	GDZ468H
Voltage Range	V	12~56	12~40	12~48
Rated Power	W	336	180	229.44
Rated torque	N.M	7.5	6.6	6.71
Peak torque	N.M	22	18.31	23.09
Rated Speed after reduction	RPM	110	196	256
Max Speed after reduction	RPM	320	308.2	290
Rated current	A	7	7.5	4.78
Peak current	A	22	24.2	18.86
Phase-to-phase resistance	ohm	0.67	0.21	0.72
Phase-to-phase inductance	mH	0.3705	0.3705	0.3705
Speed constant	rpm/v	6.04166666666667	6.04166666666667	6.04166666666667
Torque constant	N.M/A	1	1.32168214090661	1.19
Number of pole pairs	Pairs	21	21	21
Gear ratio	/	8:1	8:1	8:1
Gear type	/	Planetary	Planetary	Planetary
Reducer gear material	/	STEEL	STEEL	STEEL
Reducer gear backlash	arcmin	15	15	15
Motor weight without driver	g	378	378	378
Motor weight with driver	g	396	396	396
Size without Driver	mm	Dia. 92 x 44	Dia. 92 x 44	Dia. 92 x 44
Size with Driver	mm	Dia. 92 x 55	Dia. 92 x 55	Dia. 92 x 55
Max. axial load	N	225	225	225
Max. radial load	N	900	900	900
Noise	dB	<60	<60	<60
Communication	/	CAN	CAN & 485	CAN & 485
Second encoder on output shaft	/	YES	YES	YES
Protection grade	/	IP54	IP54	IP54
Working temperature	deg C	-20~+80	-20~+80	-20~+80
Resolution of the encoder on the driver	Bit	16bit	16bit	16bit
Can support separate encoder or not	/	NO	NO	NO
Can support custom brakes	/	YES	YES	YES