Details	Unit	GIM3505-6	GIM4305-10	GIM4310-10	GIM6010-6	GIM6010-36	GIM8108-6	GIM8108-9	GIM8108-36	GIM8115-6	GIM8115-9	GIM8115-36	GIM10015-4
(Nominal voltage)	V	20	24	24	24	24	24	24	24	48	48	48	48
(Voltage Range)	V	12~24	12~24	12~24	12~36	12~36	24~48	24~48	36~48	36~48	36~48	36~48	36~48
(Power)	W		30	15/40	90	90	125	125	125	160	160	160	260
(Nominal torque)	N.M		1	2/3	3	18	6	9	36	9	13	54	20
(Stall torque)	N.M		3	6	9	45	15	22	90	25	35	150	60
(Nominal Speed after reduce)	RPM		300	60/120	300	50	200	130	35	180	120	30	125
(Max Speed after reduce)	RPM		400	170/270	400	90	350	230	60	380	250	65	225
(Nominal current)	A		2	2.5/4	4	4	5	5	5	5	5	5	8
(Stall current)	A		5	5/8	15	15	20	20	20	20	20	20	20
(Phase to phase resitance)	Ω		1.26	4.8/2	0.28	0.2	0.28	0.28	0.28	0.43	0.43	0.43	0.76
(Phase to phase inductance)	mH		0.51	2.13/0.84	0.2	0.19	0.17	0.17	0.17	0.27	0.27	0.27	0.72
(Speed constant)	rpm/v		165	70/110	130	130	100	100	100	50	50	50	20
(Torque constant)	N.M/A		0.05	0.065	0.068	0.068	0.091	0.091	0.091	0.28	0.28	0.28	0.52
(Rotor inertia)	gcm^2		100	180	600	600	800	800	800	1200	1200	1200	4500
(Number of pole pairs)	Pairs	11	14	14	14	14	21	21	21	21	21	21	21
(Gear Rate)	/		10:1	10:1	6:1	36:1	6:1	9:1	36:1	6:1	9:1	36:1	4:1
(Gear type)	/	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary	Planetary
(Reducer gear material)	/	ALU or STELL	ALU or STELL	ALU or STELL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL
(Reducer gear backlash)	arcmin		＜7	＜7	＜5	＜8	＜5	＜5	＜5	＜5	＜5	＜5	＜5
(Motor weight without driver)	g		140	217	289	546	525	525	720	660	660	850	920
(Motor weight with driver)	g		150	225	318	574	567	567	760	705	705	890	960
(Size without Driver)	mm		Ø53*26	Ø53*32	Ø68	Ø68*53.5	Ø96*34	Ø96*34	Ø96*52.5	Ø96*41	Ø96*41	Ø96*59.5	Ø108*41
(Size with Driver)	mm		Ø53*26	Ø53*32	Ø68*36.5	Ø68*61.5	Ø96*41.5	Ø96*41.5	Ø96*60	Ø96*48.5	Ø96*48.5	Ø96*67	Ø108*51
(Max.Axial load)	N		300	300	600	900	800	800	900	800	800	900	5000
(Max.Radial load)	N		500	500	800	1000	900	900	1000	900	900	1000	7000
(Noise)	dB		＜65	＜65	＜65	＜70	＜65	＜65	＜70	＜65	＜65	＜70	＜65
(Protection grade)	/	Motor is IP54, (only motor not including the PCB driver,customer extra protection for electronic parts and connectors)											
(Working temperature)	℃	-20~+80											
(Communication)	/	CAN&PWM			CAN								
(Resolution of the encoder on the driver)	Bit	14Bit			12Bit (MA702)								
(Can support separate encoder or not)	/	AS5600/AS5048A/AS5047P Optional			No separate encoder, customer need make and assmbly the encoder by themselve								