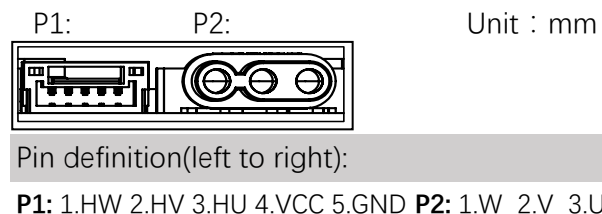


Signal connector (P1):	GH1.25-F-5P
Signal cable :	GH5P-M-28AWG-15cm
Phase connector (P2) :	AMASS MR30PW-F
Phase cable:	MR30-M-22AWG-15cm



General Characteristics :

General Features Unit

Diameter		42
Body length	mm	63.8
Output shaft diam.	mm	8
Output shaft length	mm	22

Motor Features

Motor type	BLDC outrunner
Motor model	MX3310KV200HA
Pole pairs	7
Number of phases	3
*For more motor features please refer datasheet "MX3310KV200HA".	

Gearbox Features Unit

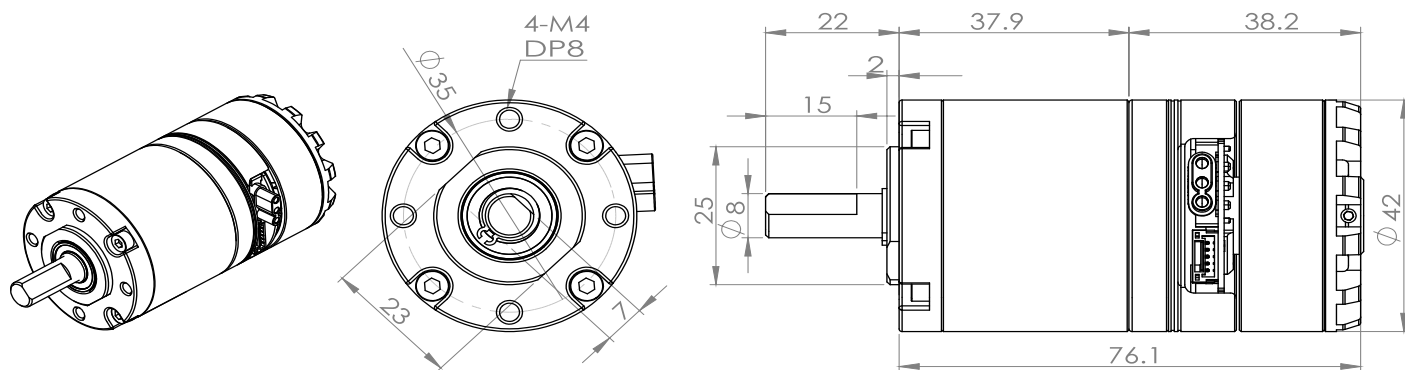
Gearbox model	GP42L1A	
Gearbox type	Planetary	
Gearbox ratio	K	3.7
Gearbox stages	1	
Gearbox diameter	mm	42
Gearbox length	mm	31.8
Gearbox efficiency	80%-90%	
Operating torque	kg*cm	20
Braking torque	kg*cm	60

Nominal & Stall Unit

Gearbox ratio	K	3.7	3.7
Nominal voltage	V	12	24
Noload speed	rpm	616	1232
Nominal speed	rpm	385	873
Nominal torque	Nm	0.4	0.7
Nominal current	A	2.3	3.9
Maximal power	W	16	63
Maximal efficiency		72%	77%
Stall torque*	Nm	1	1.5
Stall current*	A	6.5	9

Attention: Stall operation is not recommended, please do necessary protection to avoid irreparable damage!

*In case specific shaft, connector, or any other features need to be customized, please visit www.damoto.tech and contact us.



Signal connector (P1):	GH1.25-F-5P
Signal cable :	GH5P-M-28AWG-15cm
Phase connector (P2) :	AMASS MR30PW-F
Phase cable:	MR30-M-22AWG-15cm

P1:	P2:	Unit : mm
Pin definition(left to right):		
P1: 1.HW 2.HV 3.HU 4.VCC 5.GND P2: 1.W 2.V 3.U		

General Characteristics

General Features

Diameter	mm	42
Body length	mm	76.1
Output shaft diam.	mm	8
Output shaft length	mm	22

Motor Features

Motor type	BLDC outrunner
Motor model	MX3310KV200HA
Pole pairs	7
Number of phases	3
*For more motor features please refer datasheet "MX3310KV200HA".	

Gearbox Features

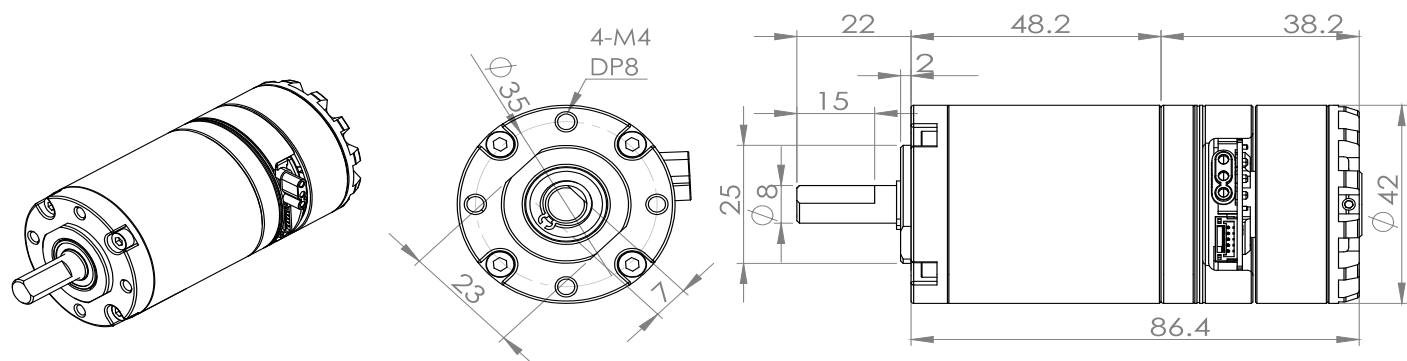
Gearbox model		GP42L2A
Gearbox type		Planetary
Gearbox ratio		K 10.2/13.7/19.2
Gearbox levels		2
Gearbox diameter	mm	42
Gearbox length	mm	37.9
Gearbox efficiency		85%
Operating torque	kg*cm	60
Braking torque	kg*cm	180

Nominal & Stall

Gearbox ratio	K	10.2	10.2	10.2	13.7	13.7	13.7	19.2	19.2
Nominal voltage	V	12	24	48	12	24	48	12	24
Noload speed	rpm	235	471	941	175	350	701	125	250
Nominal speed	rpm	147	333	765	109	248	569	78	177
Nominal torque	Nm	1.0	1.8	3.6	1.4	2.5	4.8	1.9	3.5
Nominal current	A	2.4	4.1	7.9	2.4	4.1	7.9	2.4	4.1
Maximal power	W	18	63	216	18	63	216	18	63
Maximal efficiency		68%	73%	73%	68%	73%	73%	68%	73%
Stall torque*	Nm	3	4	8	4	5	10	6	8
Stall current*	A	6.5	9	20	6.5	9	20	6.5	9

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*In case specific shaft, connector, or any other features need to be customized, please visit www.damoto.tech and contact us.



Signal connector (P1): GH1.25-F-5P
 Signal cable : GH5P-M-28AWG-15cm
 Phase connector (P2) : AMASS MR30PW-F
 Phase cable: MR30-M-20AWG-15cm

P1: P2: Unit : mm

Pin definition(left to right):
P1: 1.HW 2.HV 3.HU 4.VCC 5.GND **P2:** 1.W 2.V 3.U

General Characteristics

General Features Unit

Diameter		42
Body length	mm	86.4
Output shaft diam.	mm	8
Output shaft length	mm	22

Motor Features

Motor type	BLDC outrunner
Motor model	MX3310KV200HA
Pole pairs	7
Number of phases	3
*For more motor features please refer datasheet "MX3310KV200HA".	

Gearbox Features Unit

Gearbox model	GP42L2A	
Gearbox type	Planetary	
Gearbox ratio	K	32.5/50.9/71.2
Gearbox stages	3	
Gearbox diameter	mm	42
Gearbox length	mm	37.9
Gearbox efficiency	70%	
Operating torque	kg*cm	120
Braking torque	kg*cm	360

Nominal & Stall Unit

Gearbox ratio	K	32.5	32.5	50.9	50.9	71.2	71.2
Nominal voltage	V	12	24	12	24	12	24
Noload speed	rpm	73.8	148	47.2	94.3	33.7	67.4
Nominal speed	rpm	46	105	29	67	21	48
Nominal torque	Nm	3.3	5.9	5.1	9.2	7.1	12.8
Nominal current	A	2.42	4.07	2.42	4.07	2.42	4.07
Maximal power	W	18	63	18	63	18	63
Maximal efficiency		56%	60%	56%	60%	56%	60%
Stall torque*	Nm	10	13	15	20	21	28
Stall current*	A	6.5	9	6.5	9	6.5	9

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