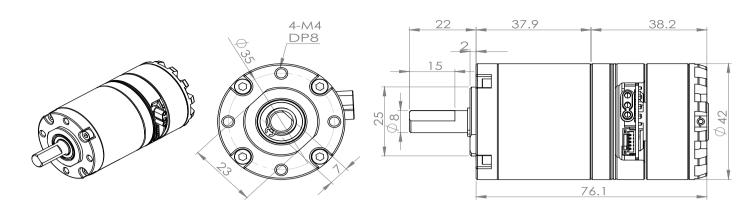
Unit: mm





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:

Pin definition(left to right):

P1: 1.HW 2.HV 3.HU 4.VCC 5.GND P2: 1.W 2.V 3.U

General Characteris

Genera	l Features	Unit
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Diameter	42
Body length mm	76.1
Output shaft diam. mm	8
Output shaft lengtl 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 10	0.2/13.7/19.2
Gearbox	levels		2
Gearbox	diameter	mm	42
Gearbox	length	mm	37.9
Gearbox	efficien	су	85%
Operating torque kg*cm 60			
Braking	torque	kg*cm	180

Nominal & Stall Unit

Gearbox	ratio	Κ	10.2	10.2	13.7	13.7	19.2	19.2	
Nominal	voltage	V	12	24	12	24	12	24	
Noload s	speed	rpm	235	471	175	350	125	250	
Nominal	speed	rpm	147	333	109	248	78	177	
Nominal	torque	Nm	1.0	1.8	1.4	2.5	1.9	3.5	
Nominal	current	Α	2.4	4.1	2.4	4.1	2.4	4.1	
Maximal	power	W	18	63	18	63	18	63	
Maximal	efficier	псу	68%	73%	68%	73%	68%	73%	
Stall to	rque*	Nm	3	4	4	5	6	8	
Stall cu	rrent*	Α	6.5	9	6.5	9	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.