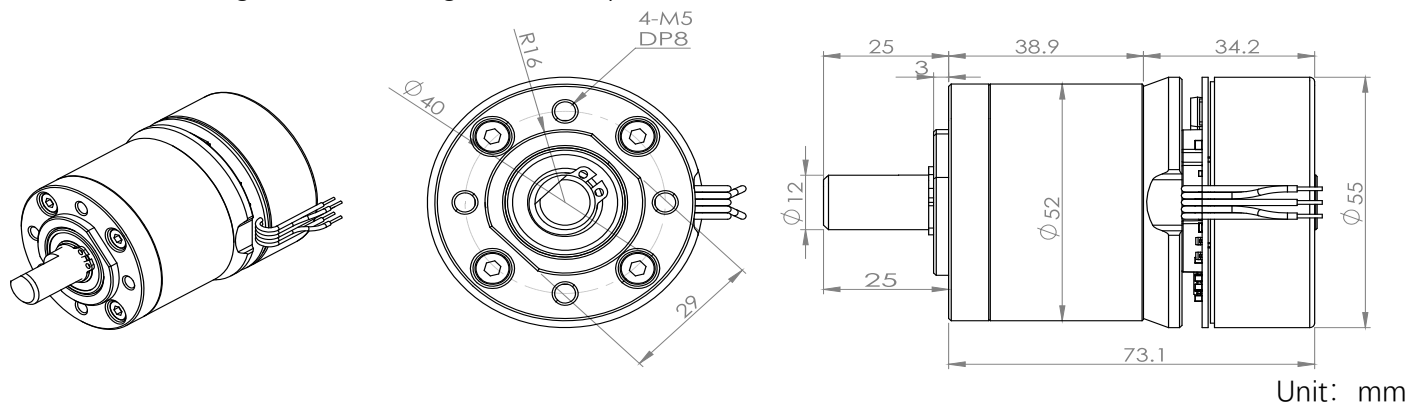


Motor, driver and gearbox are integrated in this product:



Unit: mm

General Characteris

Basic Dimensions

Unit

Diameter	mm	52/55
Body length	mm	73.1
Output shaft diam.	mm	12
Output shaft length	mm	25

Motor Features

Unit

Motor type	BLDC outrunner
Motor model	MXL5520KV260HA
Pole pairs	5
Number of phases	3

Controller Features

Control type:	Square-wave/openloop
Rated voltage:	24V(8V-25V)
Over Currunt Protection (OCF)	10 A
Signal voltage level:	5V

Pin definition(left to right):

1.PWM 2.GND 3.F/R 4.-FG 5.VCC

PWM frequency:	10K -20K Hz
Frequency Generator(FG):	5 PPR

Gearbox Features

Unit

Gearbox model	GP52L2A
Gearbox type	Planetary
Gearbox ratio	K 13.7/19.2/26.9
Gearbox stages	2
Gearbox diameter	mm 52
Gearbox length	mm 38.9
Gearbox efficiency	80%
Operating torque	kg*cm 80
Brakeing torque	kg*cm 240

Nominal & Stall

Unit

Gearbox ratio	K	13.7	19.2	26.9
Nominal voltage	V	24	24	24
Noload speed	rpm	423	302	215
Nominal speed	rpm	347	247	177
Nominal torque	Nm	2.0	2.8	3.9
Nominal current	A	5.4	5.5	5.6
Maximal power	W	122	122	122
Maximal efficiency		62%	62%	62%
Stall torque*	Nm	5.5	7.7	10.8
Stall current*	A	40	40	40

*Attention: Stall operation is only for reference due to Over Current Protection.

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