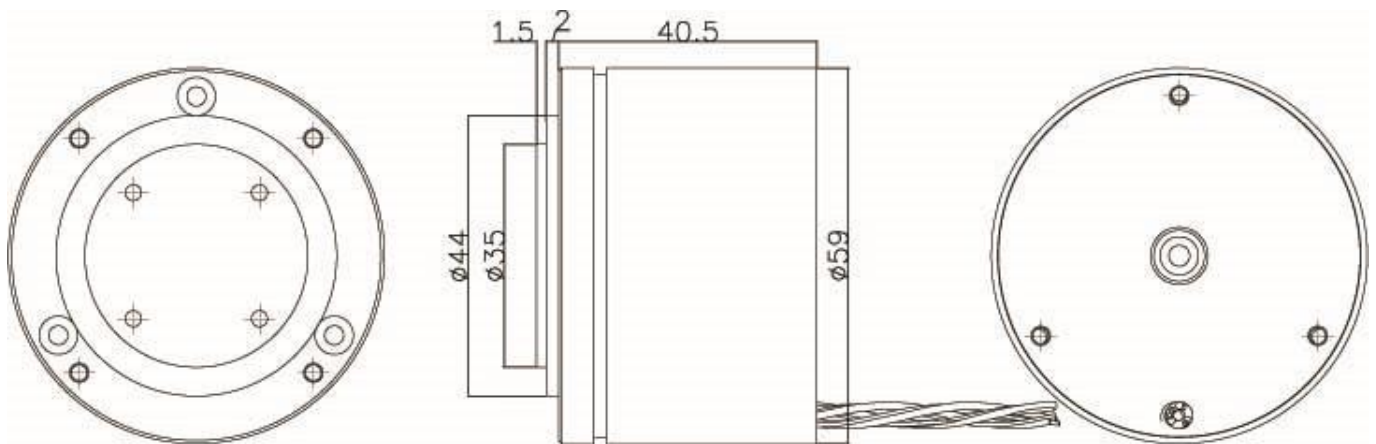


BLDC 기어드모터

DYVAST의 BLDC 기어드모터는 BLDC 모터와 사이클로이드 기어의 결합으로 모터의 크기와 무게에 비하여 강력한 힘을 낼 수 있어서 모바일기기를 구동하는데 특화된 제품입니다.



Items

Reduction Ratio:

Gear(31)

1/31

Gear(63)

1/63

Rated Speed:

53 RPM

24 RPM

Rated Torque:

8.0 N·m

15.0 N·m

Maximum

Tolerance Torque:

50 N·m

50 N·m

No Load Speed:

63 RPM

26 RPM

Backlash:

10 arc min.

5 arc min.

Nominal Voltage:

24 V

24 V

No Load Current:

0.4 A

0.4 A

Torque Constant:

3.2 N·m/A

6.6 N·m/A

Moment of Inertia:

0.052 g·m²

0.052 g·m²

Mass:

472 g

478 g

BLDC 모터 사양

Rated Specifications:

Nominal Voltage:	24 V
Power:	50 W
Current:	2.7 A
Speed:	1660 RPM
Torque:	0.28 N·m

Electrical Specifications:

Operating Voltage:	
Maximum Output Power:	115 W
Efficiency:	76 %
No Load Speed:	1950 RPM
No Load Current:	0.3 A
Torque Constant:	0.105 N·m/A
Back EMF Constant:	12.3 mV/RPM
Coil Resistance:	1.0 Ω
Coil Inductance:	

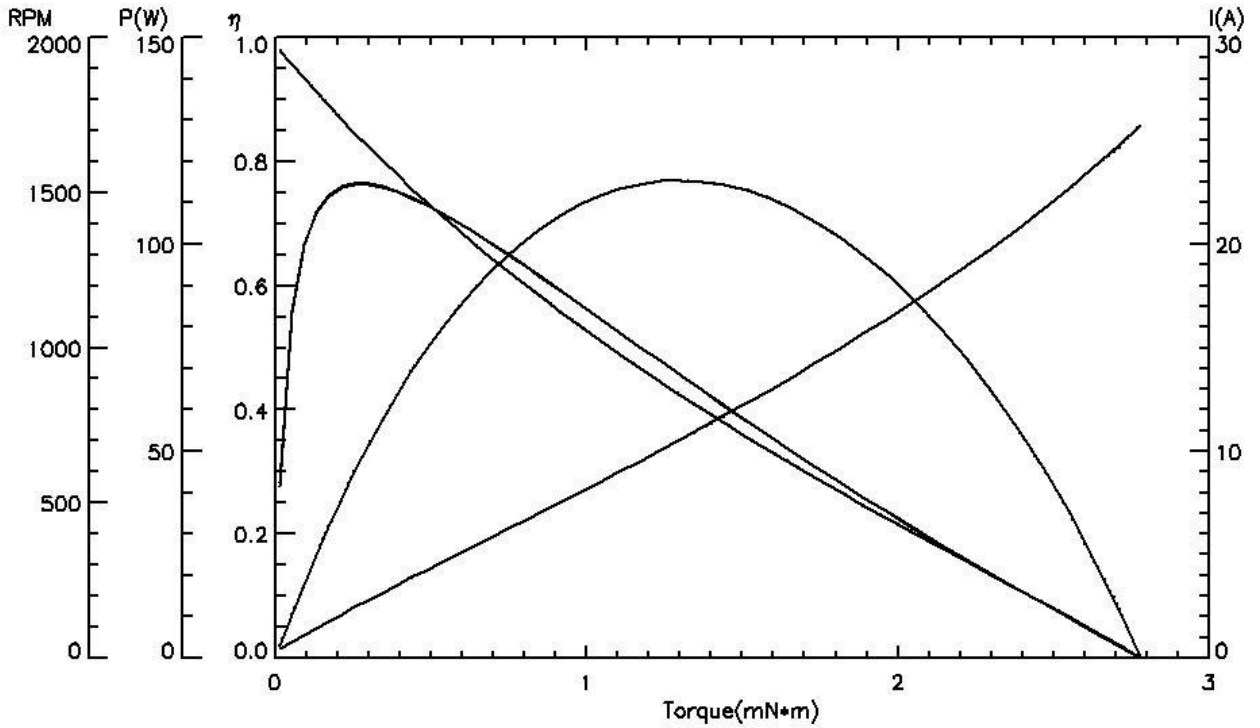
Mechanical Specifications:

Stator Length:	15 mm
Stator Diameter:	45
Shaft Diameter:	
Weight:	
Rotor Inertia:	525.2 g·cm ²
Mechanical Time Constant:	
Rotational Direction:	CW/CCW
Maximum Coil Temperature:	180 °C
Operating Temperature Range:	-20 ~ 90 °C

Cable Connections:

U:	Red	u:	brown
V:	Yellow	v:	yellow
W:	Blue	w:	blue
		Vcc:	red
		ground:	black

Characteristic Curves:



Motor Detail Drawing

