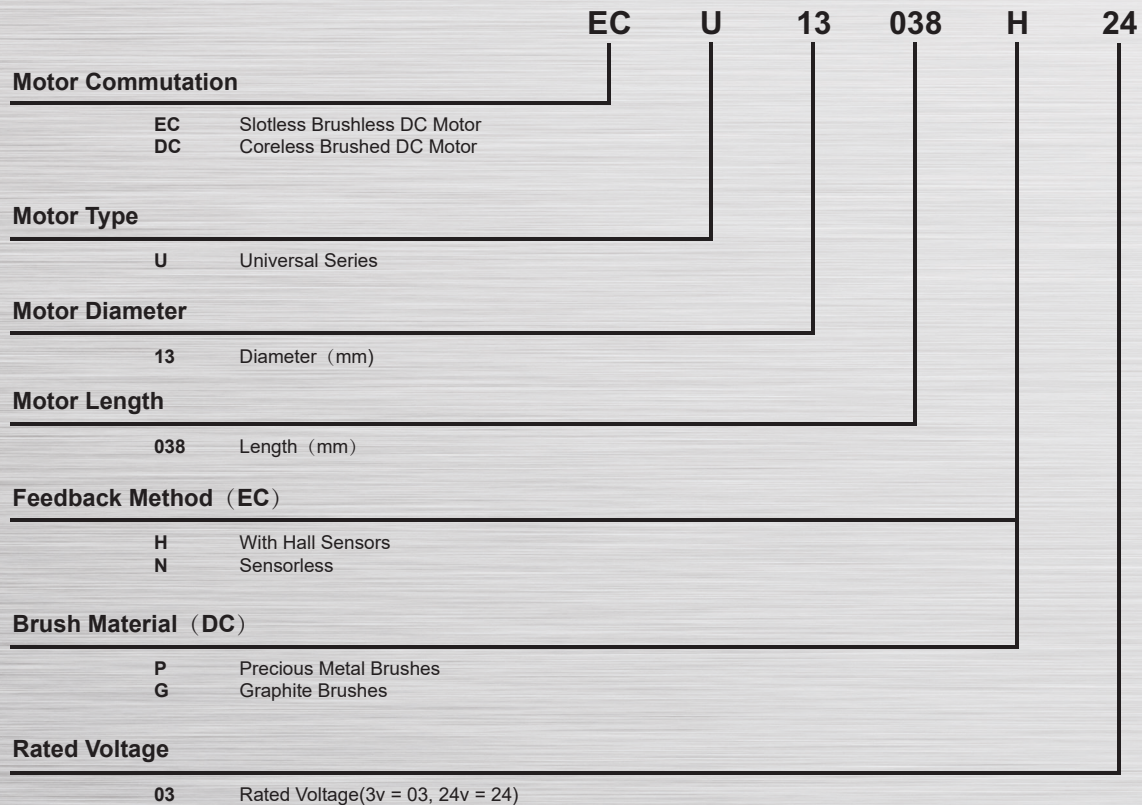


Product Feature

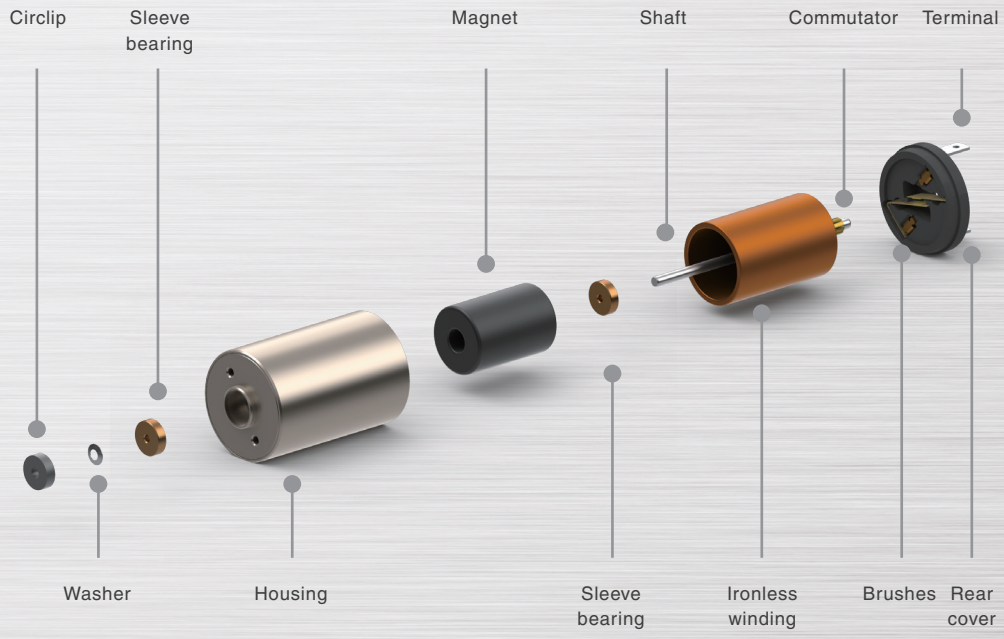
MOONS' EC motor and DC motor use independent patented ironless winding. this special design can bring high speed, high torque and low noise. Because of no cogging and compact structure, we can get smoother running at high or low speed, more accurate control, higher efficiency and higher power density.

- Ironless Winding
- Small Size
- High Torque
- High Speed

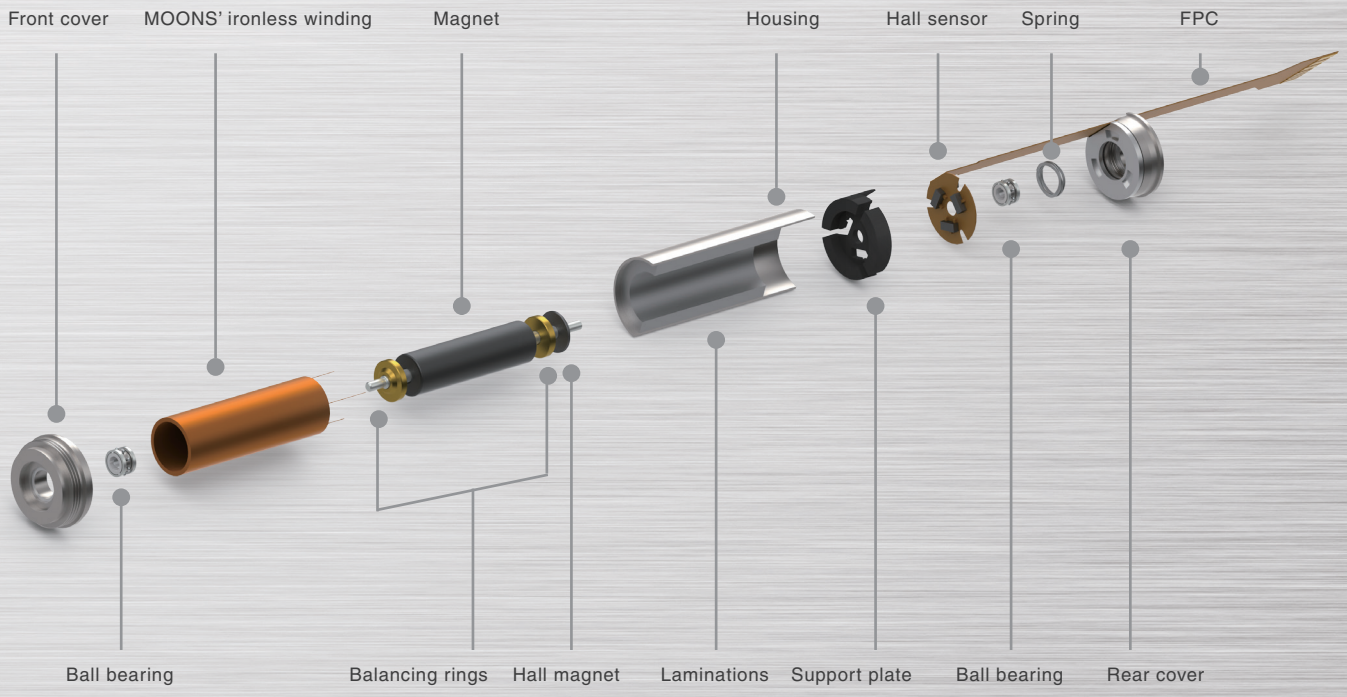
Product Code



DC Series Motor Structure



EC Series Motor Structure



DCU24032

Ø24mm Graphite Brushes 9.5W

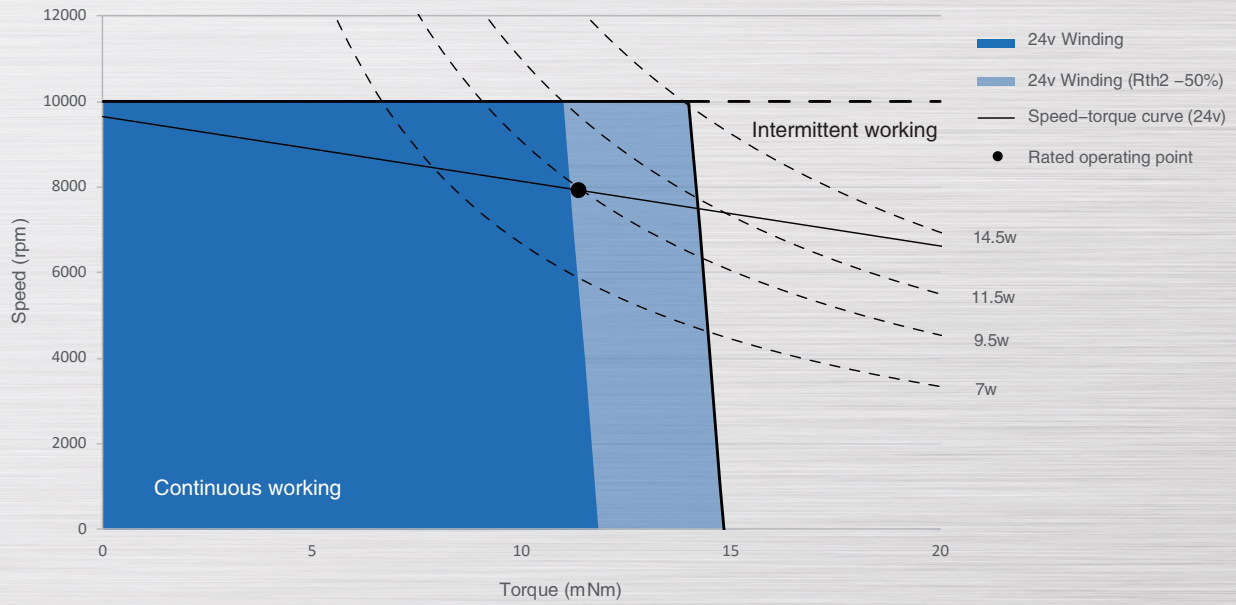
Preliminary Version

Motor Data		Part Numbers	
		DCU24032G12	DCU24032G24
Nominal voltage	V	12	24
No load speed	rpm	9670	9630
No load current	mA	26	21
Rated speed	rpm	7500	7750
Rated torque	mNm	10.45	11.84
Rated current	A	0.93	0.52
Stall torque	mNm	47.59	61.44
Stall current	A	4.14	2.61
Max efficiency	%	83	84
Terminal Resistance	Ohm	2.9	9.2
Terminal Inductance	mH	0.062	0.293
Torque constant	mNm / A	11.5	23.5
Speed constant	rpm / V	810	405
Speed/torque gradient	rpm / mNm	209	159
Mechanical time constant	ms	6.49	5.31
Rotor inertia	gcm ²	2.680	3.490

Specification

Max speed	rpm	10000
Number of pole pairs		1
Number of commutator segments		5
Ambient temperature	° C	-10~+60
Max winding temperature	° C	125
Thermal resistance		
Housing - Ambient	° C/ W	24
Winding - Housing	° C/ W	5
Thermal time constant		
Motor	s	650
Winding	s	9
Axial play	mm	≤0.3
Weight	g	79

Operating Range



Dimension

