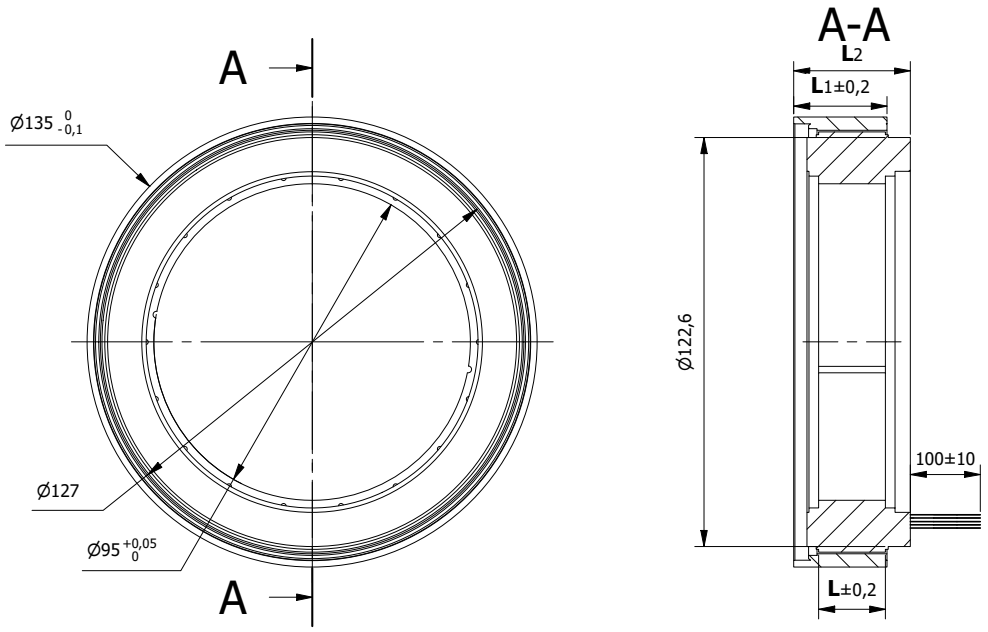
Brushless Frameless Out-Rotor Motor 135BLFOR

Ø 135mm

8Nm



Optional: Thermistor

Specification			
	Model		135BLFOR20
1	n° of Pole		42
2	n° of Phase		3
3	Rated Voltage	V	48
4	Rated Speed	rpm	2100
5	Max. Speed	rpm	2700
6	Rated Torque	Nm	8
7	Max. Peak Torque	Nm	24
8	Torque Constant	Nm/A	0,186
9	Rated Current	A	45,2
10	Max. Peak Current	A	135
11	No-Load Current	A	2,2
12	Line to Line Resistance	Ω	0,031
13	Line to Line Inductance	mH	0,051
14	Rotor Inertia	gcm2	13500
15	Back EMF	Vrms/Krpm	12,4
16	Stator height (L)	mm	20
17	Rotor height (L1)	mm	28
18	Length (L2)	mm	35
19	Weight	g	964

Characteristics	
Item	
Hall Effect Angle	120°
Insulation Class	B 130°C
Dielectric strength (for 1 sec.)	1000 VAC
Insulation Resistance (min. 500 VDC)	100 Mohm
Operating ambient temperature	-20°C to +50°C
Humidity	max. 85% not condensing

Connection		
Color	Gauge	Function
Yellow	AWG12	Phase U
Red	|	Phase V
Black	|	Phase W

