

Customized motors

As a specialist for customer-specific drive solutions, we focus on selected sizes.
Our diverse portfolio has a suitable drive ready for almost any application.

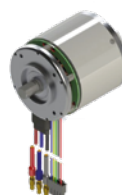


Performance range and key figures

power	1 W – 2 kW
Torque	0,01 Nm – 20 Nm
rotational speed	1 rpm – 50.000 rpm
diameter	4 mm – 100 mm

Drive units

- various possible combinations of motors and gears
- Design of the output shaft, as well as selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application
- even from medium quantities



Performance range and key figures

power	10 W – 1 kW
Torque	0,05 Nm – 10 Nm
rotational speed	100 – 12.000 rpm
diameter	20 mm – 90 mm

EC outer rotor motor

- particularly high power density
- Design of the output shaft, as well as selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application
- wide range from high-speed motors to multi-pole power packs



Performance range and key figures

power	1 W – 1 kW
Torque	0,01 Nm – 5 Nm
rotational speed	1.000 – 12.000 rpm
diameter	4 mm – 65 mm

Brushed DC motors

- particularly high power density
- Pairing with various gears possible
- Cable and plug according to customer specifications
- Available with a worm and optional ball bearing on request
- Adaptation of supply voltage and speed to your application



Performance range and key figures

power	10 W – 1 kW
Torque	0,1 Nm – 10 Nm
rotational speed	100 – 8.000 rpm
diameter	20 mm – 90 mm

EC flat motor

- particularly high power density
- Design of the output shaft, as well as selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application
- wide range from high-speed motors to multi-pole power packs



Performance range and key figures

power	1 W – 1 kW
Torque	0,01 Nm – 1 Nm
rotational speed	1.000 – 50.000 rpm
diameter	12 mm – 65 mm

EC inner rotor motor

- particularly high power density
- Design of the output shaft, as well as selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application
- wide range from high-speed motors to multi-pole power packs



Performance range and key figures

power	40 W – 1 kW
Torque	0,1 Nm – 10 Nm
rotational speed	100 – 8.000 rpm
diameter	45 mm – 90 mm

EC hollow shaft motors

- particularly high power density
- Execution of the hollow shaft as internal spline, hexagon or through hole
- Selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application

High-quality drive technology
Comprehensive service
Fair price

NOVO MOTEC
Individuelle Antriebslösungen



Performance range and key figures

power	1 W – 150 W
Torque	0,01 Nm – 1 Nm
rotational speed	2.000 – 10.000 rpm
diameter	4 mm – 40 mm

Coreless / Ironless DC motors

- high power density
- Particularly suitable for highly dynamic applications due to the ironless rotor
- Selection of cables and connectors according to your specifications
- Adaptation of supply voltage and speed to your application

Linear actuators

- Stepper motors with integrated spindles
- ideally suited for inexpensive, precise positioning in your application
- Available with various threaded and recirculating ball spindles



Features

- Sizes: Nema 8 (20 x 20 mm) to Nema 34 (86 x 86 mm)



Performance range and key figures

Output torque	0,05 Nm – 50 Nm
diameter	4 mm – 42 mm

Gearboxes

- various requirements can be implemented from high torque to low noise
- Adaptable drilling pattern and gear housing

IE stepper motors

- nice-price servo drives
- diverse functions and operating modes



Features

- up to 128 micro steps
- no loss steps
- Programmable inputs and outputs
- Standard control interface and RS485 Modbus protocol
- Plug and play for industrial controls and PLCs

Encoder

- optical and magnetic encoders available in many sizes
- internal and external encoder systems available



Features

- Resolution range: 1 cpr - 8192 cpr
- higher resolutions on request



Performance range and key figures

Volume flow	bis 750 L/min
pressure	bis 110 mbar

Radial Blower

- high pressure
- ideal for dry environments
- Adaptation of outlet, cable and plug to your application

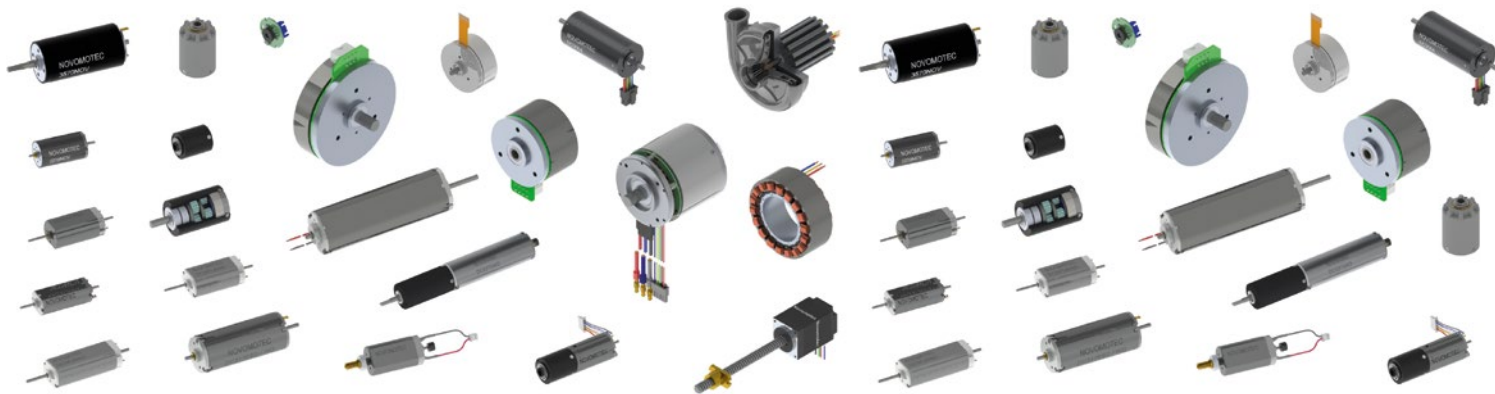
Controller

- open-loop
- closed-loop
- with hall sensors
- sensorless
- various inputs and outputs (RS485 Modbus, PWM, analog)
- Overload protection



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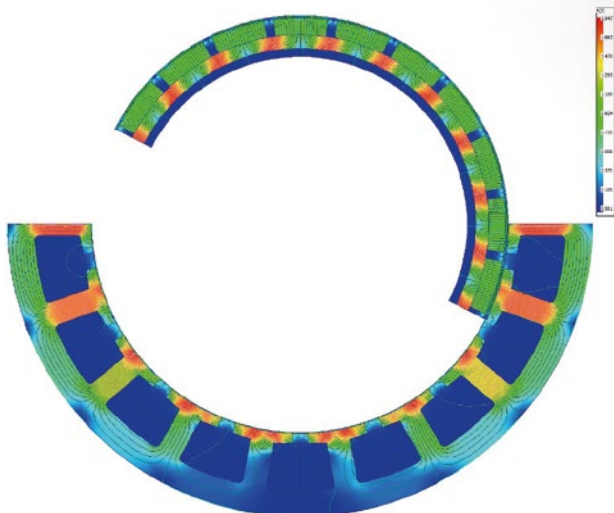
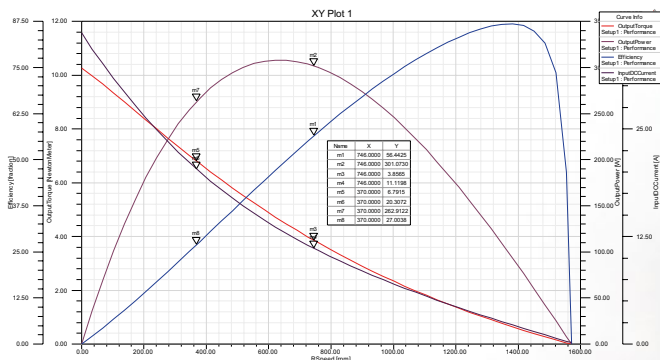
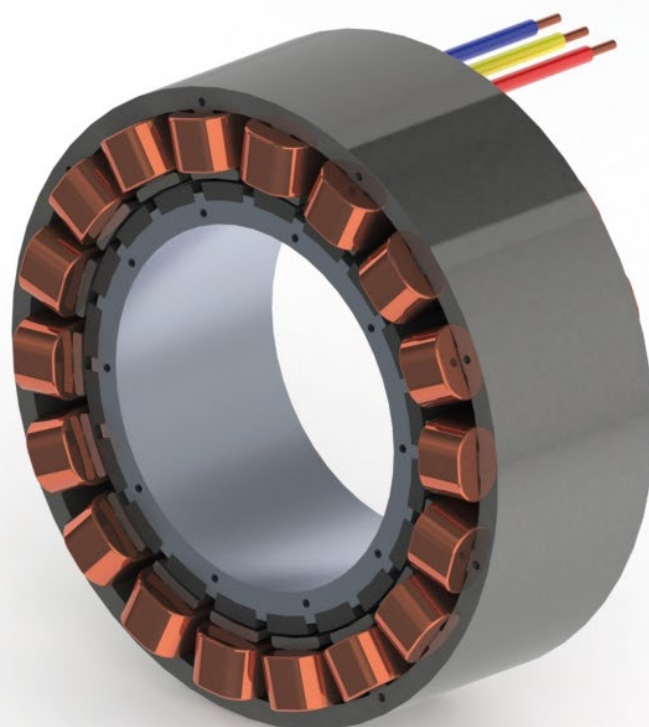
Customised for the mechanical and electrical requirements of your application

EC frameless kits

- Adaptation of the mechanics to your application
- Electrical design according to the operating points of the application

Performance range and key figures

power	50 W – 1 kW
Torque	0,1 Nm – 10 Nm
rotational speed	100 – 8.000 rpm
diameter	20 mm – 250 mm



Average torque (virtual work)	1.5294 Nm
Average torque (EC)	1.5588 Nm
Average torque (loop torque)	1.5199 Nm
Cogging Torque Ripple (Vw)	0.009584 Nm
Speed limit for zero torque	1524.2 rpm

Electromagnetic Power	119.1 Watts
Input Power	146.78 Watts
Output Power	117.63 Watts
Total Losses (on load)	29.147 Watts
System Efficiency	80.142 %