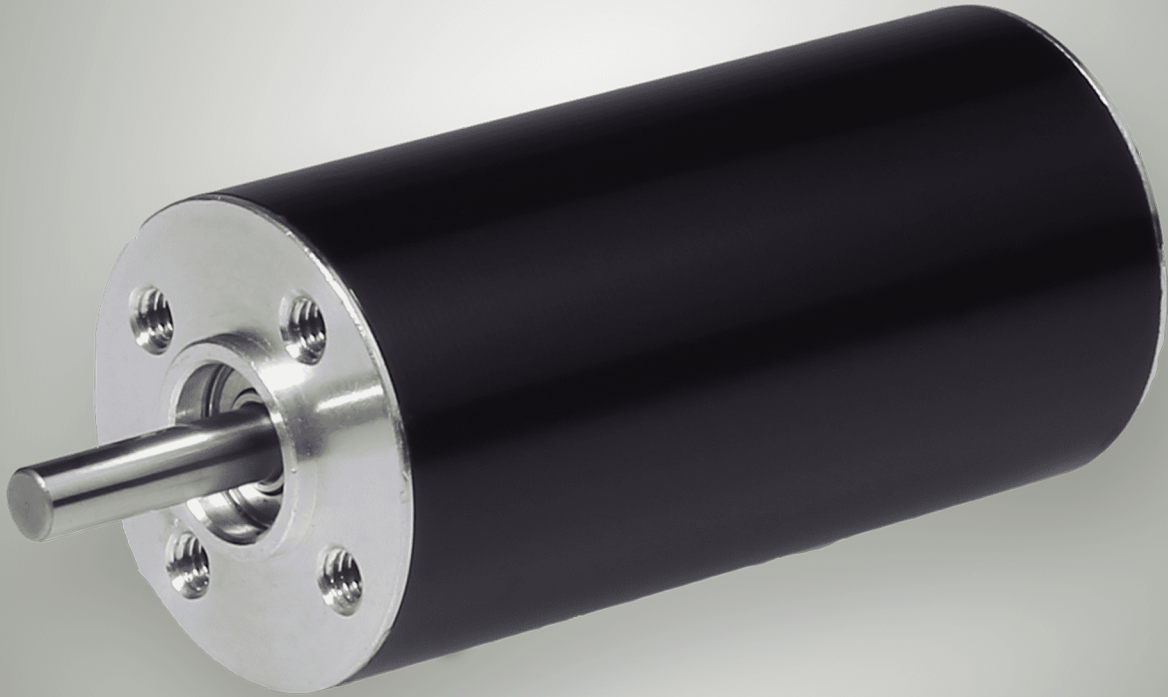




Brushless DC Motors – Gear Motors

Brushless DC Motors – Gear Motors

Inhaltsverzeichnis	Seite
B043**–42MP–	3
B043**–42MP–B04326NBH2B03-92-24.0	4
B043**–42MP–B04326NBH2B01-92-48.0	5
B043**–42MP–B04326NBH2B02-92-36.0	6
B048**–52MP–	7
B048**–52MP–B04831NH2B01-101-18.0	8
B048**–52MP–B04831NH2B02-101-24.0	9
B048**–52MP–B04831NH2B03-101-36.0	10
B061**–62MP–	11
B061**–62MP–B06133N2B01-50-48.0	12
B061**–62MP–B06133N2B02-50-36.0	13
B061**–62MP–B06133N2B03-50-24.0	14

B043**—42MP—

43mm 24V outerrotor brushless gear motor



<https://www.kocomotion.de/produkt/bo43-42mp/>



Produkte:

Seite

B043**—42MP—B04326NBH2B03-92-24.0

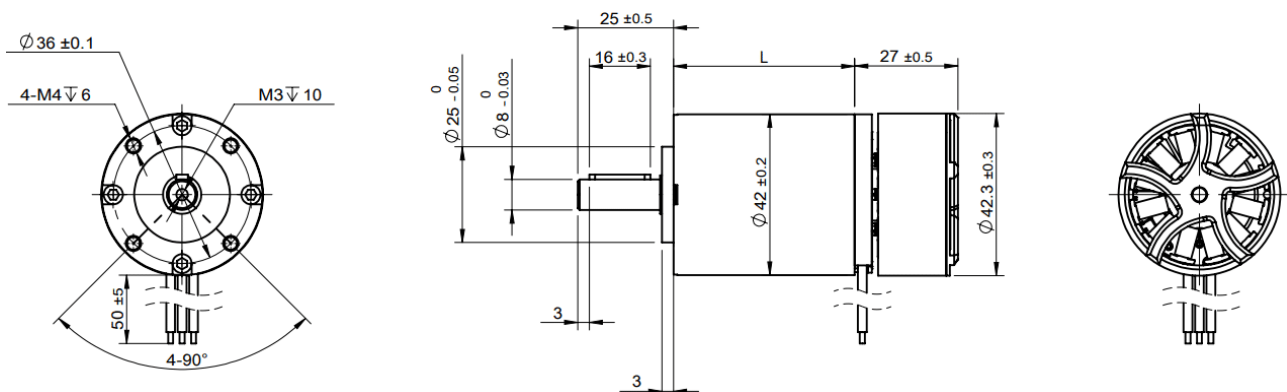
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B043**—42MP—B04326NBH2B01-92-48.0

5

B043**—42MP—B04326NBH2B02-92-36.0

6



B043**—42MP—B04326NBH2B03-92-24.0



43mm 24V outerrotor brushless gear motor



<https://www.kocomotion.de/produkt/bo43-42mp-bo4326nbh2b03-92-24-0/>

Specification	
Voltage	24.0 V
Terminal resistance	0.21 Ω
No-load speed	9200 rpm
No-load current	0.6 mA
Stall torque	2817 mNm
Stall current	114 mA
Nominal torque	194 mNm
Nominal speed	7000 rpm
Nominal current	7.2 mA
Max. output power	678 W
Max. efficiency	86 %
Back-EMF constant	2.60 mV/rpm
Torque constant	24.8 mNm/A
Speed/torque gradient	3.3 rpm/mNm
Rotor inertia	153 g·cm ²
Weight	132 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B043**—42MP—B04326NBH2B01-92-48.0



43mm 24V outerrotor brushless gear motor



<https://www.kocomotion.de/produkt/bo43-42mp-bo4326nbh2b01-92-48-0/>

Specification	
Voltage	48.0 V
Terminal resistance	1.0 Ω
No-load speed	9200 rpm
No-load current	0.3 mA
Stall torque	2361 mNm
Stall current	48 mA
Nominal torque	192 mNm
Nominal speed	7000 rpm
Nominal current	3.6 mA
Max. output power	569 W
Max. efficiency	84.8 %
Back-EMF constant	5.18 mV/rpm
Torque constant	49.5 mNm/A
Speed/torque gradient	3.9 rpm/mNm
Rotor inertia	153 g·cm ²
Weight	132 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B043**—42MP—B04326NBH2B02-92-36.0



43mm 24V outerrotor brushless gear motor



<https://www.kocomotion.de/produkt/bo43-42mp-bo4326nbh2b02-92-36-0/>

Specification	
Voltage	36.0 V
Terminal resistance	0.45 Ω
No-load speed	9200 rpm
No-load current	0.5 mA
Stall torque	2952 mNm
Stall current	80 mA
Nominal torque	190 mNm
Nominal speed	7000 rpm
Nominal current	4.8 mA
Max. output power	711 W
Max. efficiency	84.8 %
Back-EMF constant	3.89 mV/rpm
Torque constant	37.1 mNm/A
Speed/torque gradient	3.1 rpm/mNm
Rotor inertia	153 g·cm ²
Weight	132 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B048**—52MP—

48mm 12V brushless variable speed gear motor



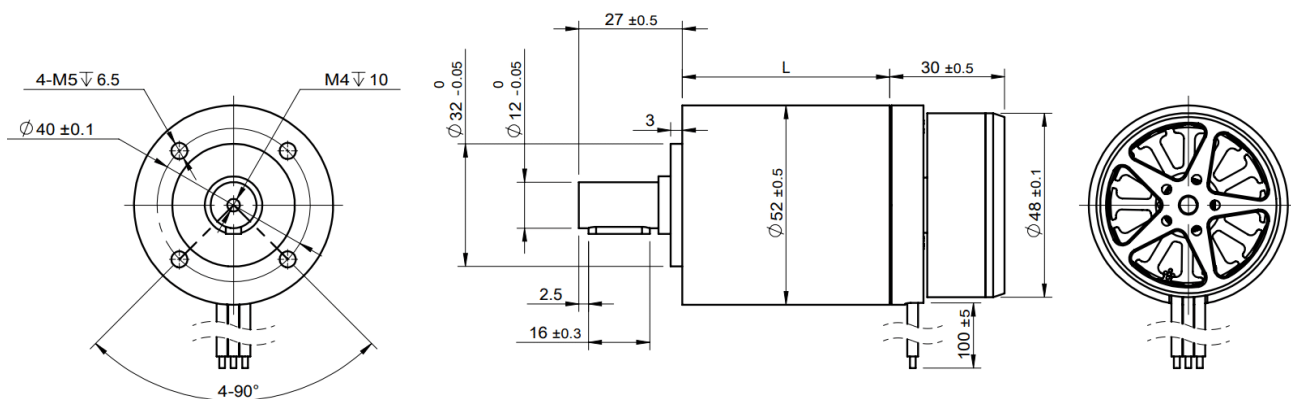
<https://www.kocomotion.de/produkt/bo48-52mp/>



Produkte:

Seite

B048**—52MP—B04831NH2B01-101-18.0	8
B048**—52MP—B04831NH2B02-101-24.0	9
B048**—52MP—B04831NH2B03-101-36.0	10



B048**—52MP—B04831NH2B01-101-18.0

48mm 12V brushless variable speed gear motor



<https://www.kocomotion.de/produkt/bo48-52mp-bo4831nh2b01-101-18-0/>



Specification	
Voltage	18.0 V
Terminal resistance	0.05 Ω
No-load speed	10160 rpm
No-load current	1.1 mA
Stall torque	6053 mNm
Stall current	360 mA
Nominal torque	449 mNm
Nominal speed	7600 rpm
Nominal current	23.5 mA
Max. output power	1609 W
Max. efficiency	89.2 %
Back-EMF constant	1.8 mV/rpm
Torque constant	16.9 mNm/A
Speed/torque gradient	1.68 rpm/mNm
Rotor inertia	306 g·cm ²
Weight	211 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B048**—52MP—B04831NH2B02-101-24.0

48mm 12V brushless variable speed gear motor



<https://www.kocomotion.de/produkt/bo48-52mp-bo4831nh2b02-101-24-0/>



Specification	
Voltage	24.0 V
Terminal resistance	0.08 Ω
No-load speed	10160 rpm
No-load current	0.9 mA
Stall torque	6726 mNm
Stall current	300 mA
Nominal torque	447 mNm
Nominal speed	7700 rpm
Nominal current	17.6 mA
Max. output power	1788 W
Max. efficiency	89.3 %
Back-EMF constant	2.4 mV/rpm
Torque constant	22.5 mNm/A
Speed/torque gradient	1.51 rpm/mNm
Rotor inertia	306 g·cm ²
Weight	211 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B048**—52MP—B04831NH2B03-101-36.0

48mm 12V brushless variable speed gear motor



<https://www.kocomotion.de/produkt/bo48-52mp-bo4831nh2b03-101-36-0/>



Specification	
Voltage	36.0 V
Terminal resistance	0.18 Ω
No-load speed	10160 rpm
No-load current	0.6 mA
Stall torque	6727 mNm
Stall current	200 mA
Nominal torque	457 mNm
Nominal speed	7700 rpm
Nominal current	12.0 mA
Max. output power	1788 W
Max. efficiency	89.3 %
Back-EMF constant	3.5 mV/rpm
Torque constant	33.7 mNm/A
Speed/torque gradient	1.51 rpm/mNm
Rotor inertia	306 g·cm ²
Weight	211 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B061**—62MP—

61mm 24V DC brushless gear motor



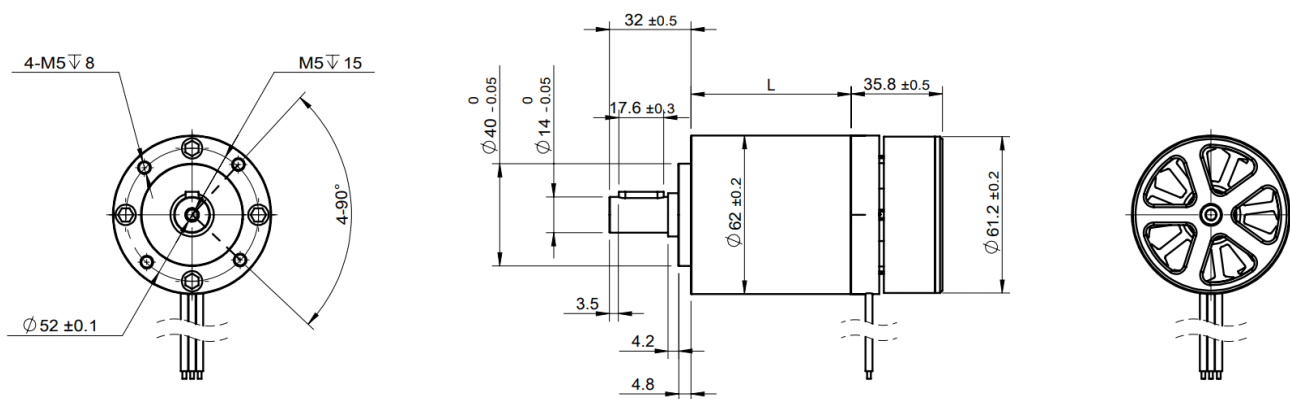
<https://www.kocomotion.de/produkt/bo61-62mp/>



Produkte:

Seite

B061**—62MP—B06133N2B01-50-48.0	12
B061**—62MP—B06133N2B02-50-36.0	13
B061**—62MP—B06133N2B03-50-24.0	14



B061**-62MP-B06133N2B01-50-48.0

61mm 24V DC brushless gear motor



<https://www.kocomotion.de/produkt/bo61-62mp-bo6133n2b01-50-48-0/>



Specification	
Voltage	48.0 V
Terminal resistance	0.78 Ω
No-load speed	5000 rpm
No-load current	0.35 mA
Stall torque	5577 mNm
Stall current	61.5 mA
Nominal torque	558 mNm
Nominal speed	3700 rpm
Nominal current	5.5 mA
Max. output power	730 W
Max. efficiency	85.4 %
Back-EMF constant	9.5 mV/rpm
Torque constant	91.2 mNm/A
Speed/torque gradient	0.9 rpm/mNm
Rotor inertia	599 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B061**–62MP–B06133N2B02-50-36.0

61mm 24V DC brushless gear motor



<https://www.kocomotion.de/produkt/bo61-62mp-bo6133n2b02-50-36-0/>



Specification	
Voltage	36.0 V
Terminal resistance	0.43 Ω
No-load speed	5000 rpm
No-load current	0.5 mA
Stall torque	5687 mNm
Stall current	83.7 mA
Nominal torque	553 mNm
Nominal speed	3700 rpm
Nominal current	7.3 mA
Max. output power	744 W
Max. efficiency	85.1 %
Back-EMF constant	7.2 mV/rpm
Torque constant	68.3 mNm/A
Speed/torque gradient	0.9 rpm/mNm
Rotor inertia	599 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment

B061**—62MP—B06133N2B03-50-24.0

61mm 24V DC brushless gear motor



<https://www.kocomotion.de/produkt/bo61-62mp-bo6133n2b03-50-24-0/>



Specification	
Voltage	24.0 V
Terminal resistance	0.19 Ω
No-load speed	5000 rpm
No-load current	0.7 mA
Stall torque	5725 mNm
Stall current	126.3 mA
Nominal torque	558 mNm
Nominal speed	3700 rpm
Nominal current	11.0 mA
Max. output power	749 W
Max. efficiency	85.6 %
Back-EMF constant	4.8 mV/rpm
Torque constant	45.6 mNm/A
Speed/torque gradient	0.9 rpm/mNm
Rotor inertia	599 g·cm ²
Weight	230 g

Optionen

- lead wires length
- shaft length
- special coils

Anwendungen

- medical equipment
- scientific instruments
- industrial equipment



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