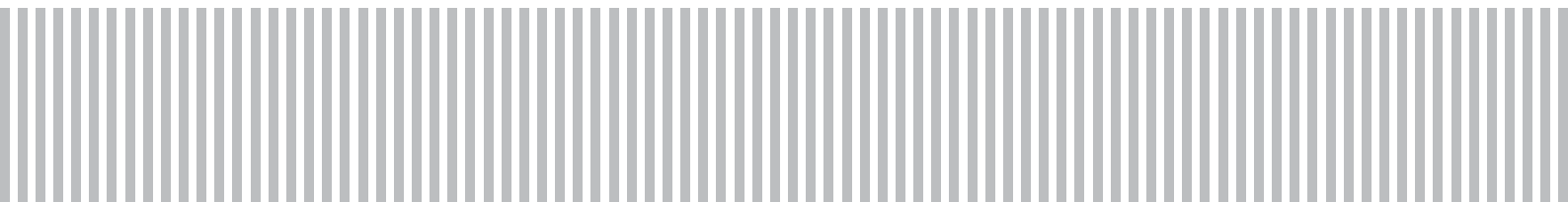


DOMEL



EC Motors

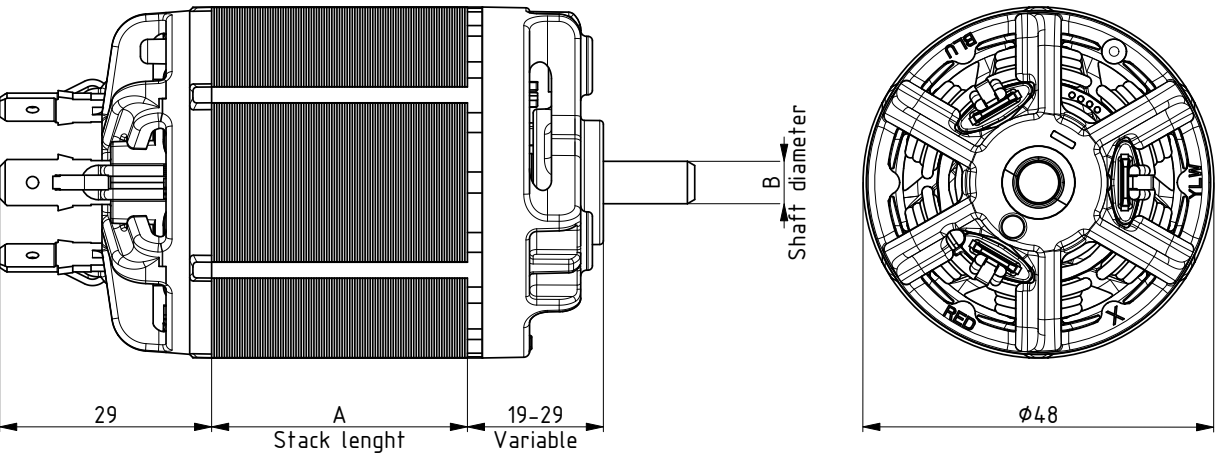


720 EC Motor variants

DOMEL

BASICS

Motor characteristics	4-pole rotor	8-pole rotor
	VALUE	
Nominal output power	Up to 2.500 W	Up to 2.000 W
Nominal speed	5.000 – 50.000 RPM	1.000 – 25.000 RPM
Nominal torque	Up to 1 Nm	Up to 1 Nm
Nominal voltage	Up to 230 V	Up to 230 V

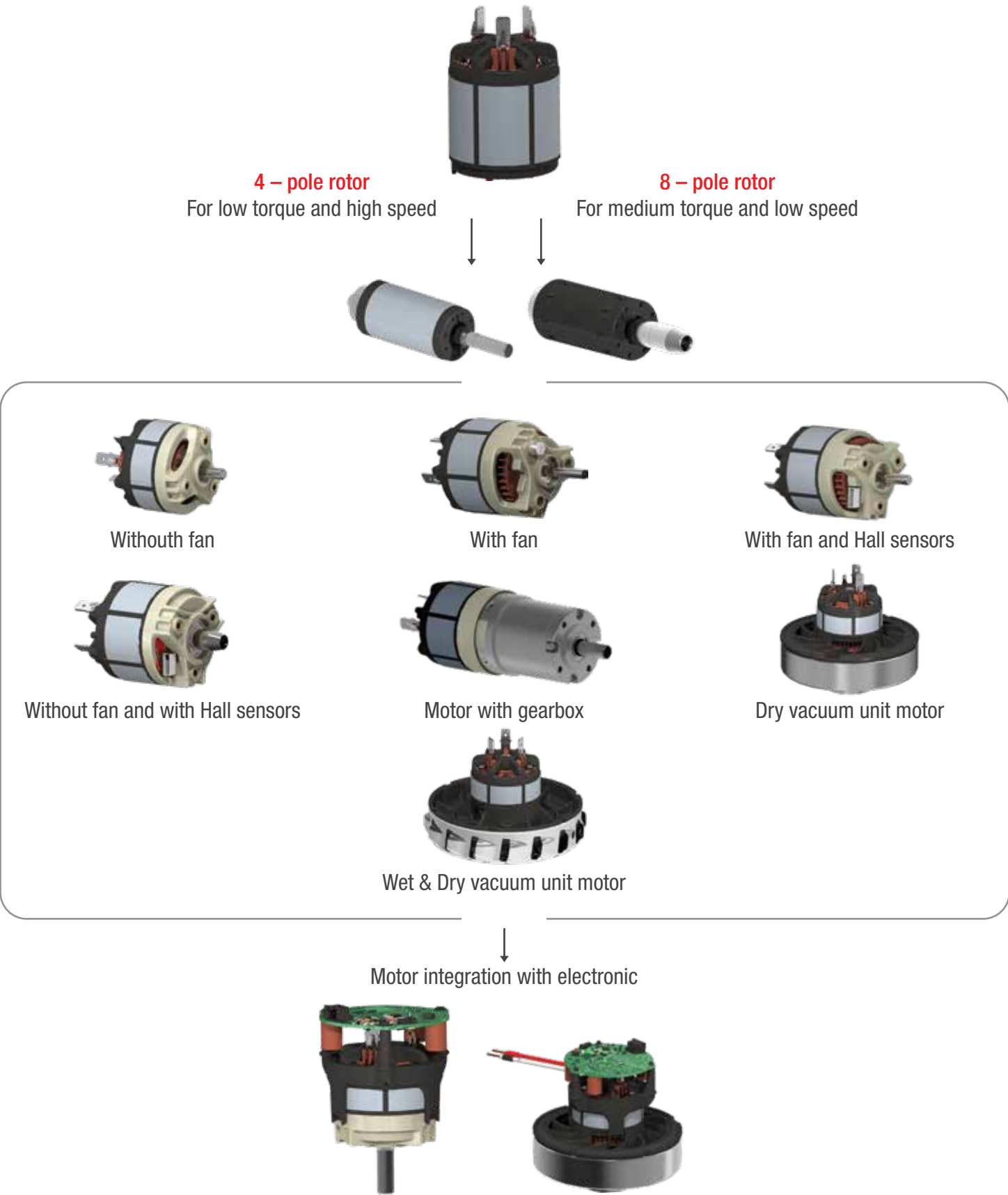


Stack lenght [mm]	Remark
10	In development, samples
13	Industrialized
15-17	In development, samples
20	Industrialized
25	In development, samples
30	In development, samples
35	Industrialized
42	Industrialized
50	In development, samples

Shaft	Remark
Shaft diameter A	Up to Ø9,9 mm
Shaft-end shapes	□ , ◇ , thread, ...



MODULAR DESIGN

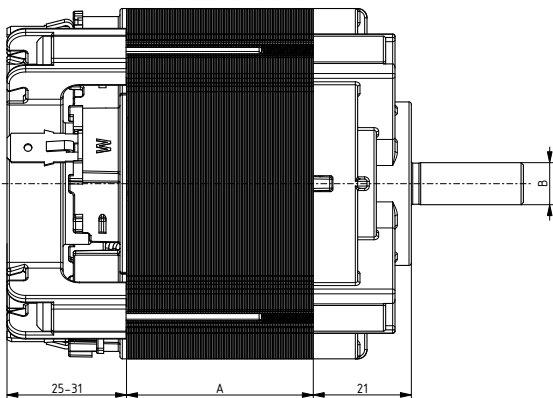
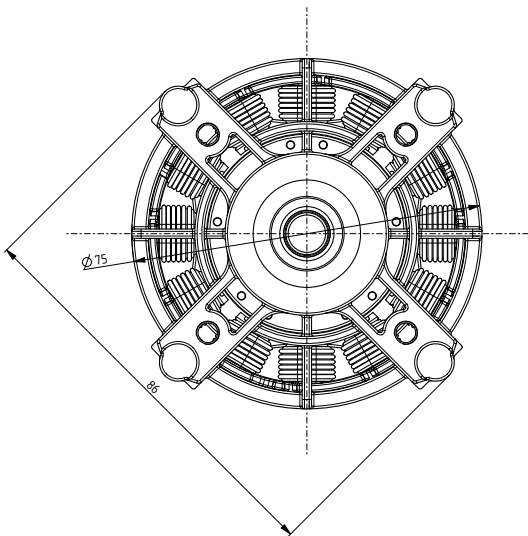


730 EC Motor variants

DOMEL

BASICS

Motor characteristics	5-magnet rotor	10-magnet rotor
	VALUE	
Nominal output power	Up to 2.500 W	Up to 3.000 W
Nominal speed	1.000 – 20.000 RPM	1.000 – 15.000 RPM
Nominal torque	Up to 2,5 Nm	Up to 3 Nm
Nominal voltage	Up to 230 V	Up to 230 V

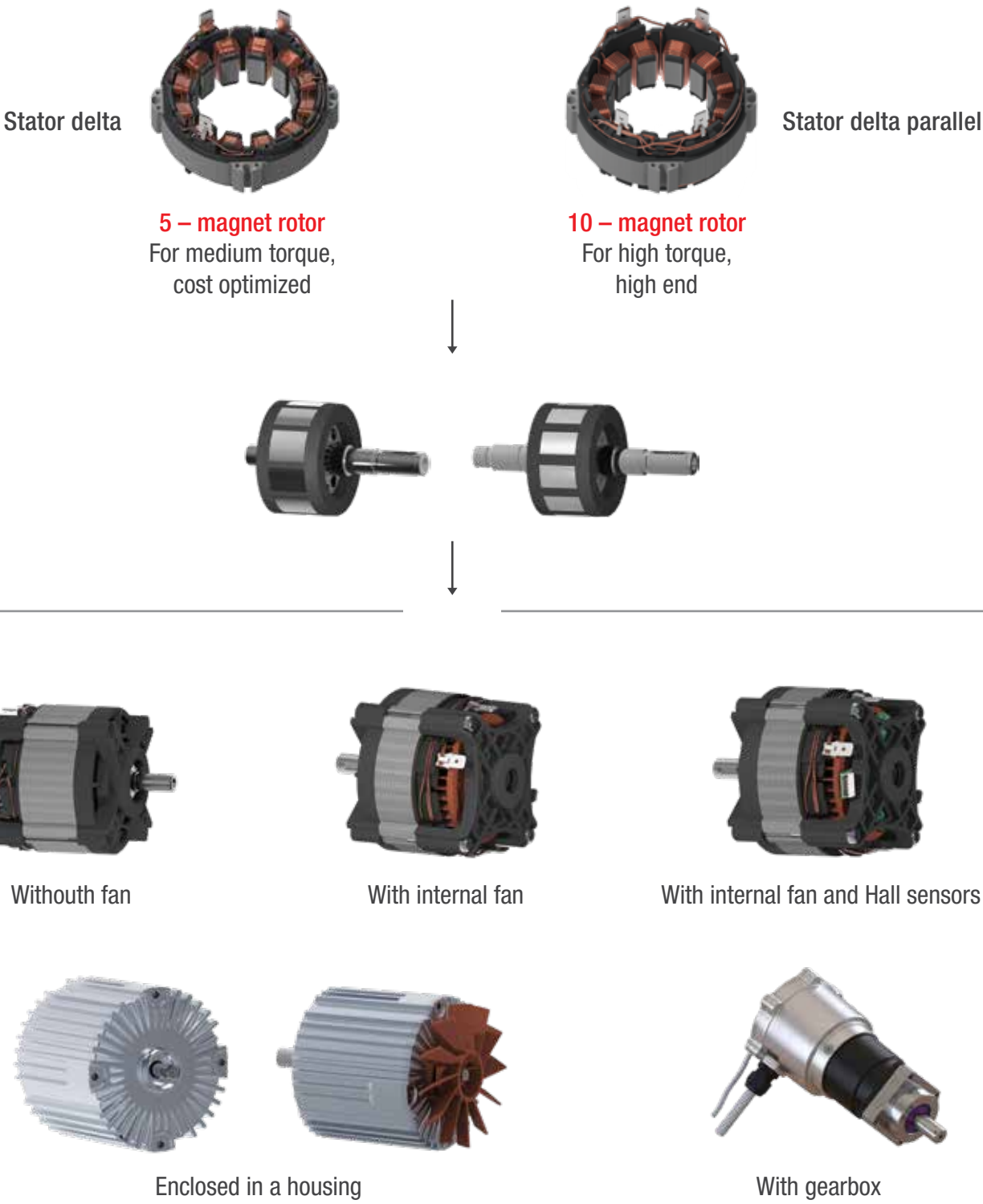


Stack lenght [mm]	Remark
10	Stator / rotor in production
15	Stator / rotor in production
20	Planned lenght, samples
25	Planned lenght, samples
30	Planned lenght, samples
35	Planned lenght, samples
40	Planned lenght, samples



Shaft	Remark
Shaft diameter B	Up to $\Phi 15$ mm
Shaft-end shapes	$\square$, $\diamond$, thread, square hole ...

MODULAR DESIGN



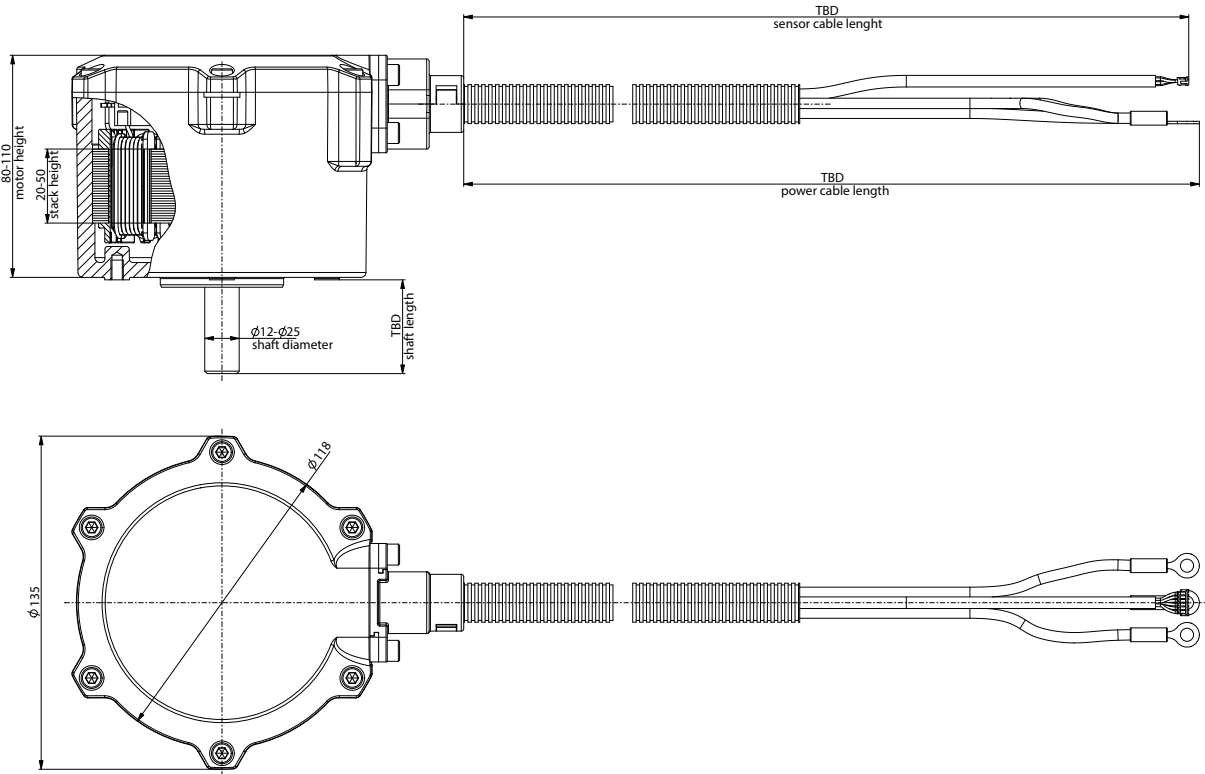
740 EC Motor variants



MODULAR DESIGN

BASICS

Motor characteristics	VALUE
Nominal output power	Up to 8.000 W
Nominal speed	500 – 8.000 RPM
Nominal torque	Up to 10 Nm
Nominal voltage	Up to 230 V



Stack lenght A [mm]	Remark
20	In development
30	In production
40	In development
50	In production

Shaft	Remark
Shaft diameter A	Up to Ø 25 mm
Shaft-end shapes	□ , ◇ , thread, ...



Open motor with Hall sensors



Closed motor with Hall sensors



Closed motor with Hall sensors and gearbox



725 EC Motor variants



MODULAR DESIGN

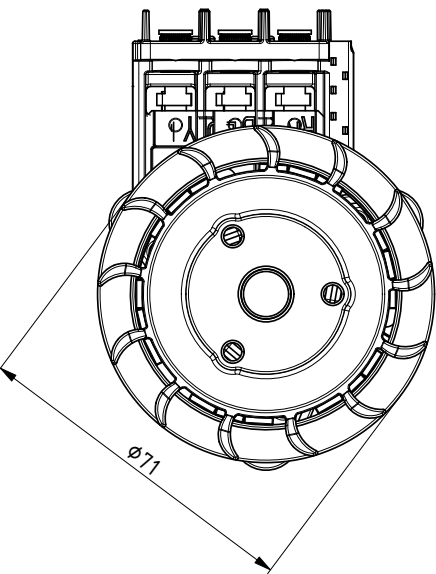
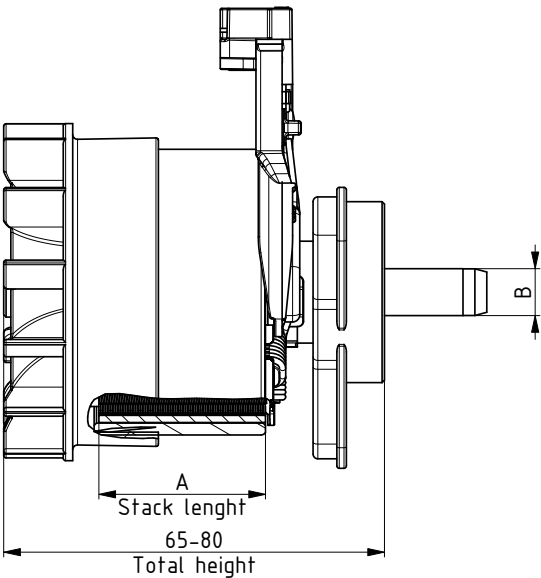
BASICS

Motor characteristics	VALUE
Nominal output power	Up to 2.500 W
Nominal speed	3.000 – 12.000 RPM
Nominal torque	Up to 2 Nm
Nominal voltage	Up to 48 V

High current contacts



Fast-on contacts (medium current)



Stack lenght A [mm]	Remark
20	In production
25	In production
35	In production

Shaft	Remark
Shaft diameter B	Up to Ø12 mm
Shaft-end shapes	□, thread, square hole ...

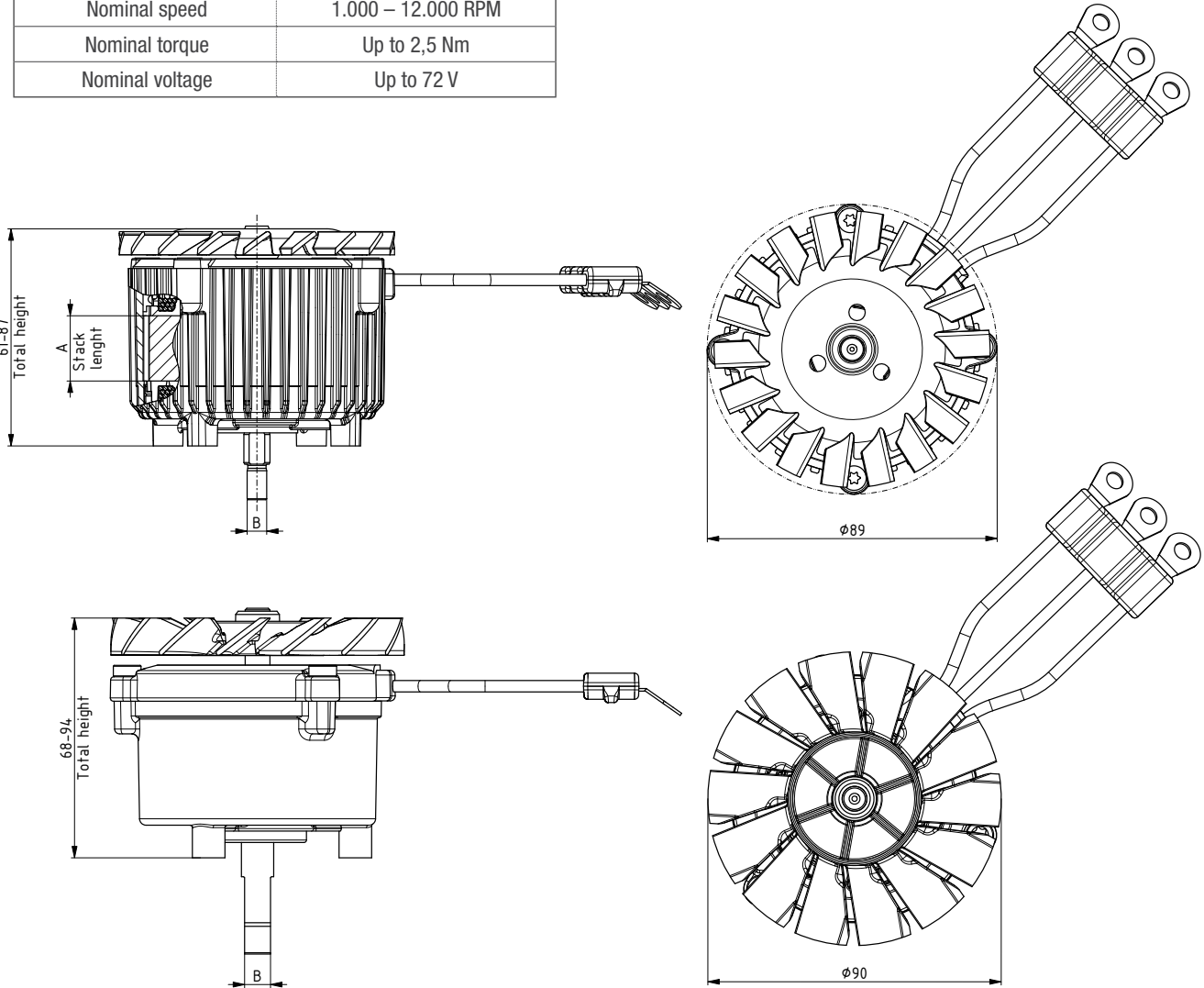
731 EC Motor variants



MODULAR DESIGN

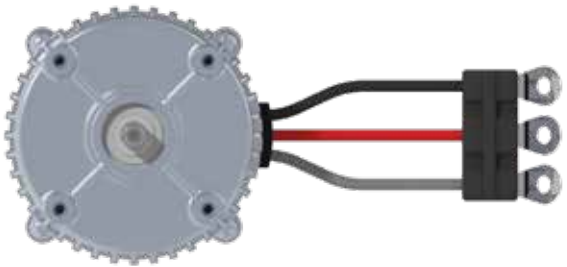
BASICS

Motor characteristics	VALUE
Nominal output power	Up to 2.500 W
Nominal speed	1.000 – 12.000 RPM
Nominal torque	Up to 2,5 Nm
Nominal voltage	Up to 72 V



Stack lenght A [mm]	Remark
14	In production
20	In production
25	In production
40	In production

Shaft	Remark
Shaft diameter B	Up to Ø12 mm
Shaft-end shapes	□, ○, ○, thread, ...



Open motor with cooling fan



Closed motor without cooling fan



Closed motor with cooling fan





Headquarters

Domel, Otoki, Železniki, Slovenia

- Vacuum cleaner Motors
- Brushless Motors
- Automotive
- PM Motors



Locations

Na Plavžu, Železniki, Slovenia

- EC Systems
- Laboratory equipment



Trata, Škofja Loka, Slovenia

- Components and Tools



Reteče, Škofja Loka, Slovenia

- DC Motors
- PM Motors



Domel Electric Motors Suzhou, China

- Vacuum cleaner Motors



Domel motors Odžaci, Serbia

- Vacuum cleaner Motors

DOMEL
SINCE **1946**