

DOMEL



EC Motors

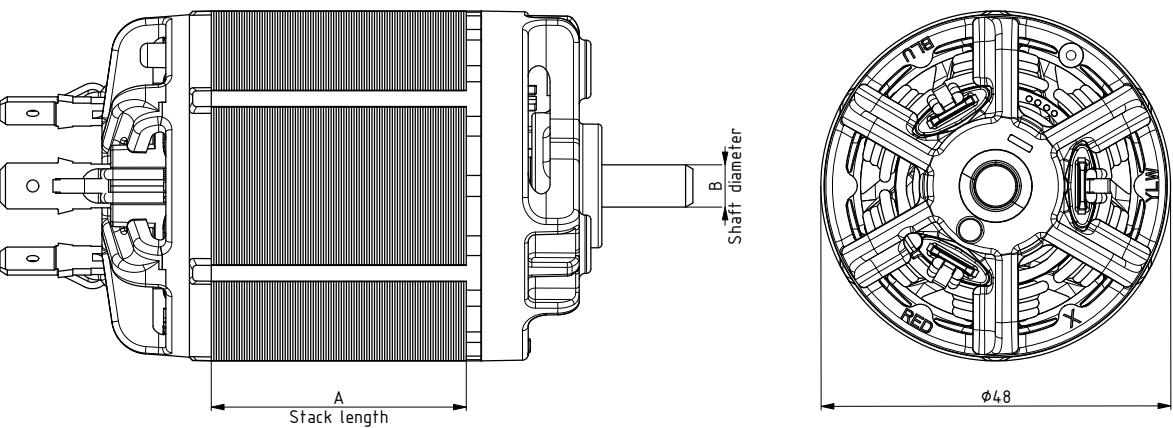


720 EC Motor variants

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

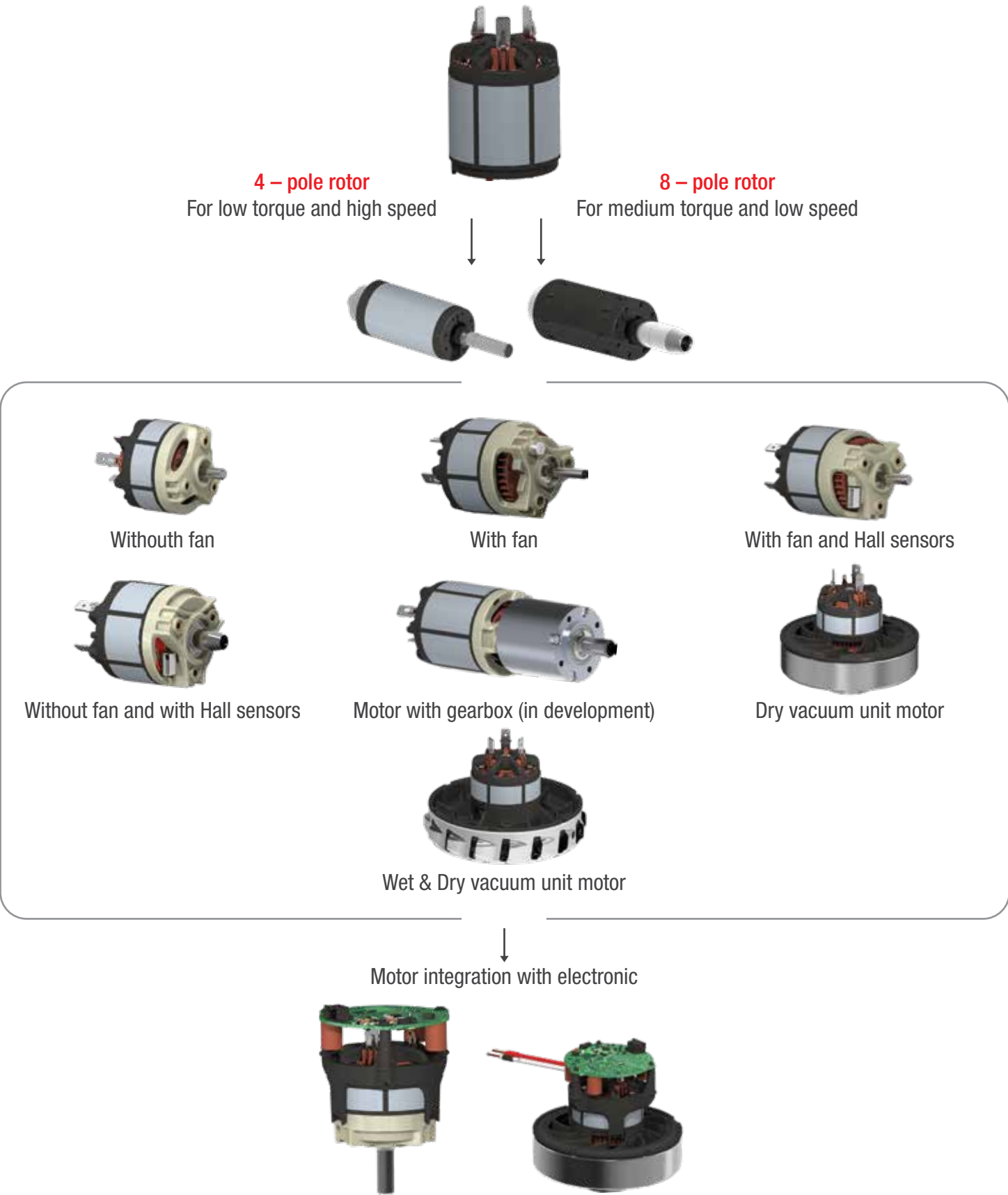


Stack lenght [mm]	Remark
10	In development, samples
13	Industrialized
15-17	In development, samples
20	Industrialized
25	In development, samples
30	In development, samples
35	Industrialized
42	Industrialized
50	In development, samples

Shaft	Remark
Shaft diameter A	Up to $\phi 9,9$ mm
Shaft-end shapes	$\square$, $\diamond$, thread, ...



MODULAR DESIGN

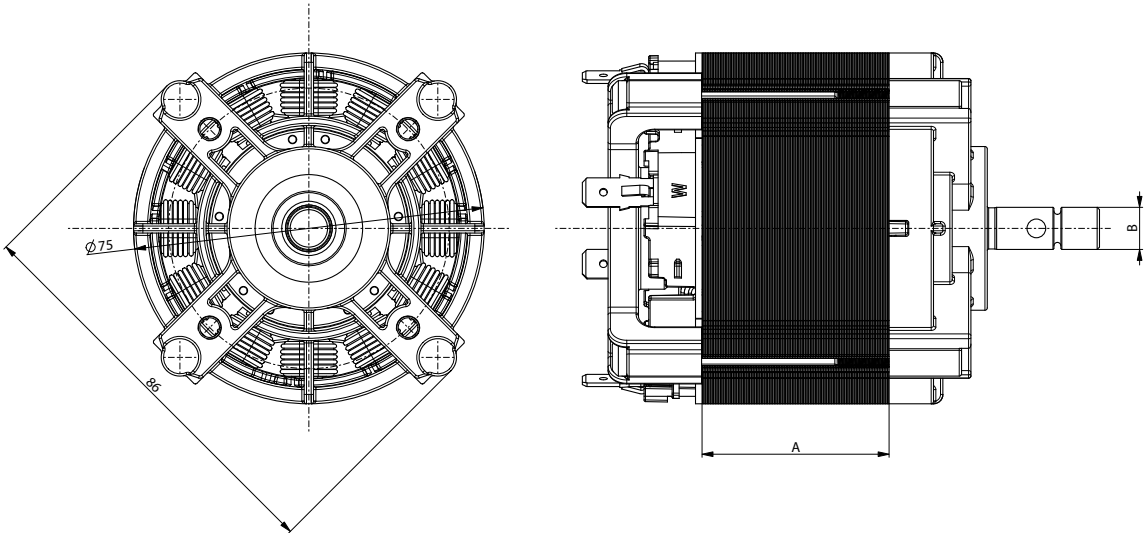


730 EC Motor variants

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

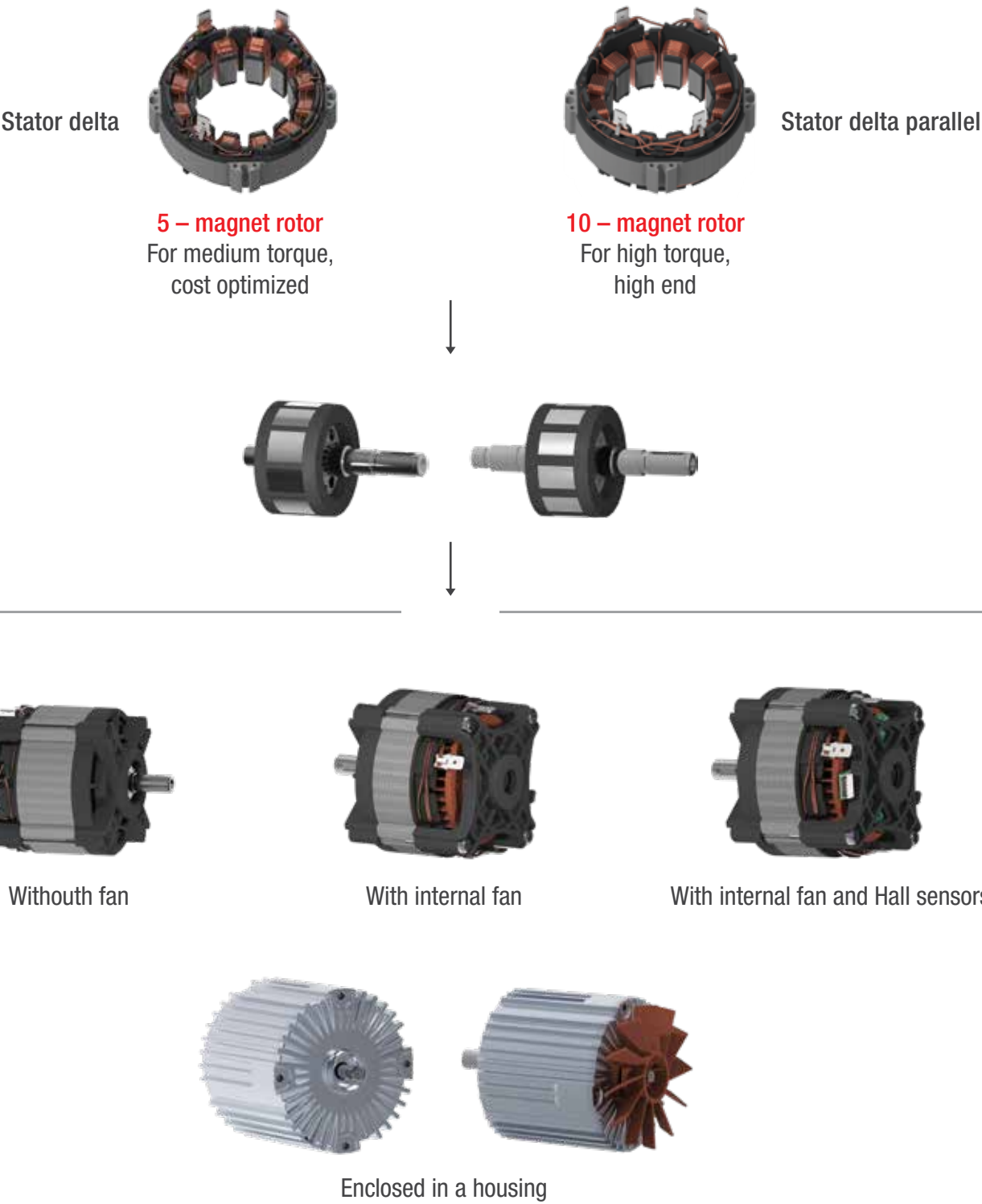


Stack lenght [mm]	Remark
10	Stator / rotor in production
15	Stator / rotor in production
20	Planned lenght, samples
25	Planned lenght, samples
30	Planned lenght, samples
35	Planned lenght, samples
40	Planned lenght, samples

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



MODULAR DESIGN



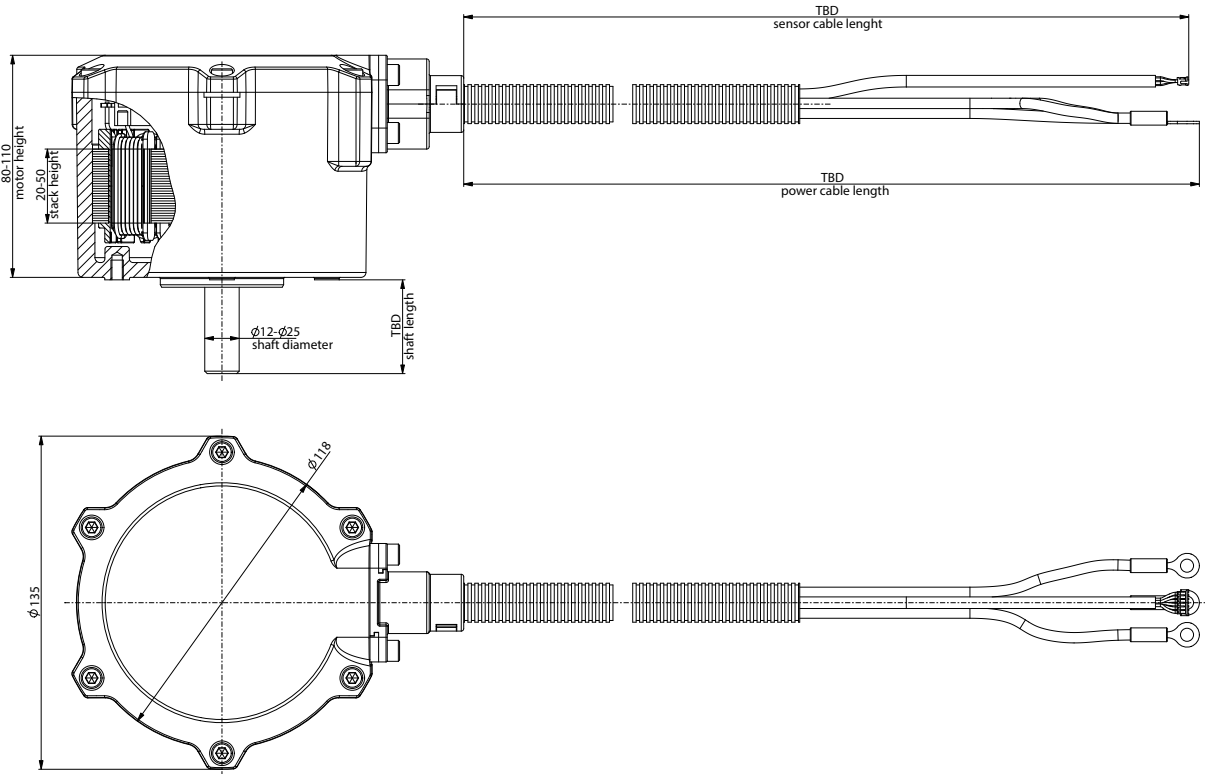
740 EC Motor variants



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	Available Q3/25
40	In development
50	Available Q3/25

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





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