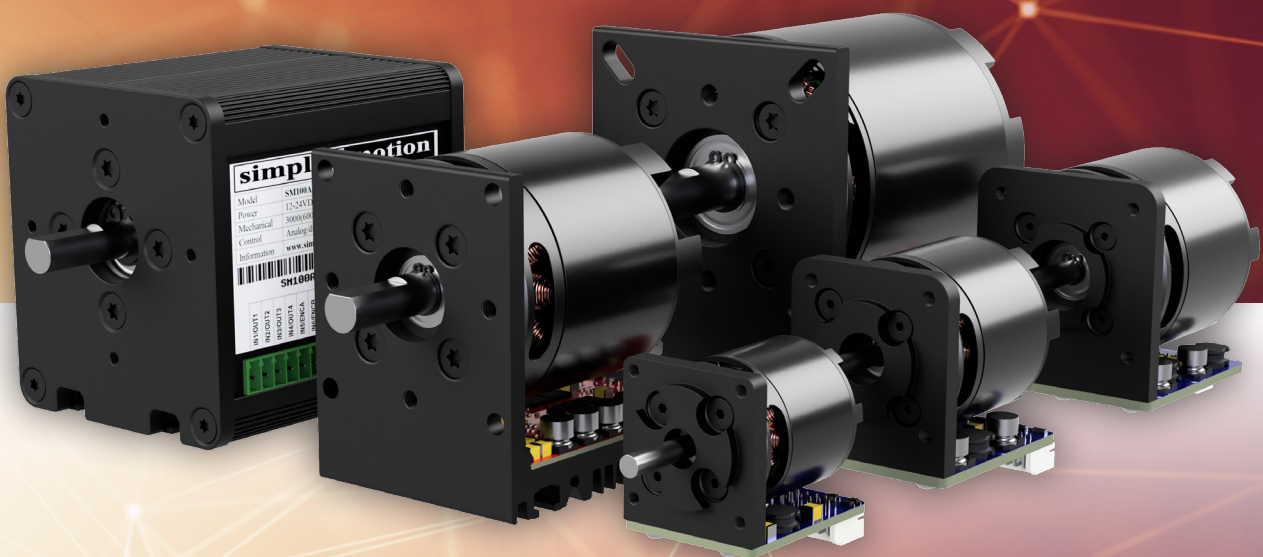


**simplex motion**

# Speed Control Motors

Motion control made simple



**MADE IN SWEDEN**

# Speed Control Motors

The Simplex Motion brushless DC motor is the perfect choice for constant speed applications. Set speed and torque to the specific needs of your application.

- **Speed and torque control**
- **Speed regulation from 0 rpm**
- **Reduce weight – excellent torque/weight ratio**
- **3 different ramping modes**
- **Plug and play solution**
- **Reduce components – driver integrated with motor**
- **Low speed mode for increased accuracy between 0-400 rpm**
- **High durability: only wearing parts are the high quality bearings**
- **Brushless DC motor for increased lifetime**

MOTOR SPEC.	SCM010	SCM020	SCM040	SCM100-E	SCM100	SCM200
Speed	0-6000 rpm					
Speed nominal	4000 rpm	4000 rpm	4000 rpm	3000 rpm	3000 rpm	4000 rpm
Torque peak	0,2 Nm	0,5 Nm	0,80 Nm	2,0 Nm	2,0 Nm	4,0 Nm
Torque nominal	0,06 Nm	0,12 Nm	0,28 Nm	0,32 Nm	0,51 Nm	0,72 Nm
Power nominal	25 W	50 W	120 W	100 W	160 W	300 W
Supply	12-48 VDC	12-48 VDC	12-48 VDC	12-24 VDC	12-24 VDC	24-48 VDC
Control	0-3,3 V	0-3,3 V	0-3,3 V	0-5 V	0-5 V	0-5 V
Weight	0,08 kg	0,16 kg	0,28 kg	0,65 kg	0,50 kg	1,13 kg
Torque nominal / Weight	0,75 Nm/kg	0,75 Nm/kg	1,00 Nm/kg	0,49 Nm/kg	1,02 Nm/kg	0,64 Nm/kg