

5DA06-7SD  
5DA06-7ST (Tacho)  
5DA06-7SE3E (Encoder)

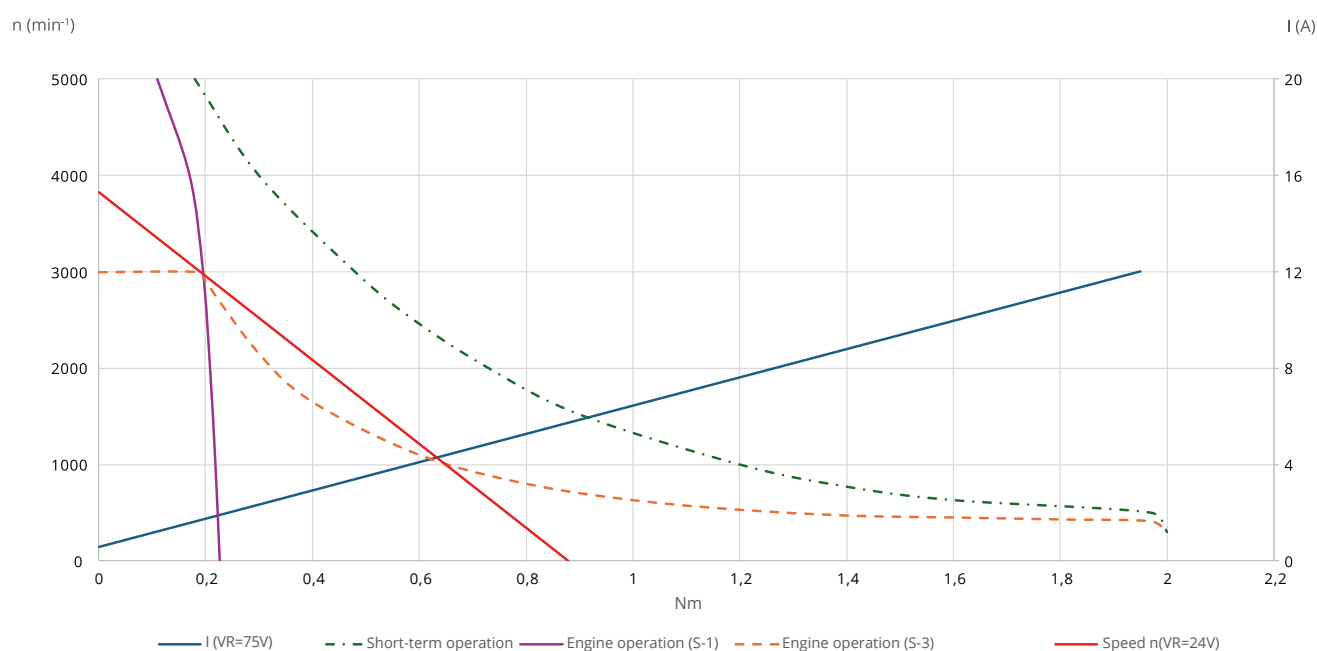
Product code: 068a-573  
Product code: 068a-554  
Product code: 068a-664

## Technical data

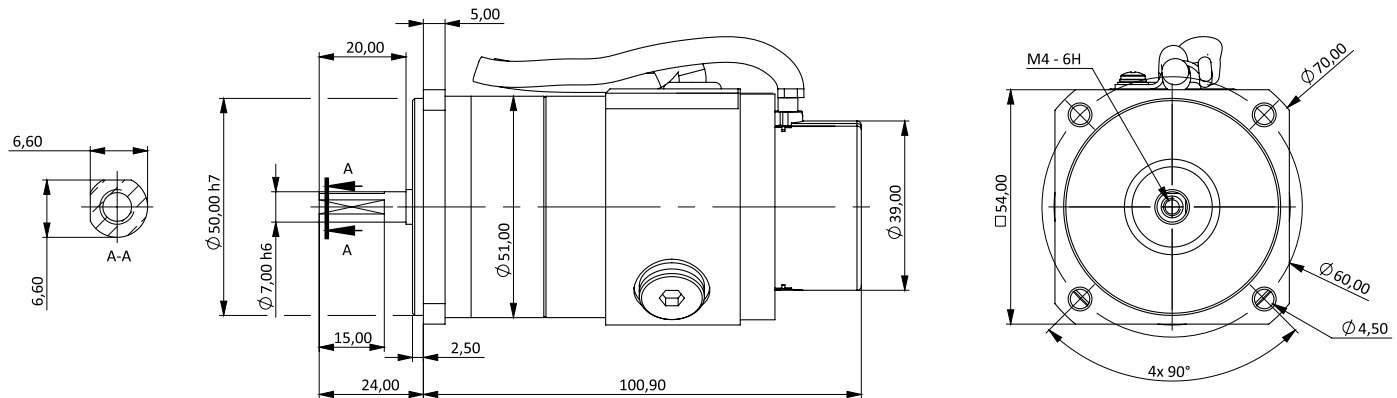
Values at rated voltage			5DA06-xxx
1	Rated power	W	60
2	Rated voltage	V	75
3	Rated torque	Nm	0.19
4	Max. torque	Nm (max)	0.57
5	Rated speed	rpm	3000
6	Max. no-load speed	rpm	5000
7	Rated current	A	1.3
8	Peak current	A	3.9
9	Ambient temperature range	°C	0-40
10	Standard protection classes	IP	40
11	Insulation class	-	F
12	Connection cable length (2x AWG20)	m	1

Characteristics			5DA06-xxx
13	Voltage constant at 1000 rpm	V/rpm	18.52
14	Torque constant	Nm/A	0.18
15	Electrical time constant	ms	0.57
16	Mechanical time constant	ms	6.9
17	Thermal time constant	min	15
18	Armature moment of inertia	Kgm <sup>2</sup> x10 <sup>-3</sup>	3.041
19	Armature inductance	mH	6.0
20	Armature resistance	Ω	10.5
21	Weight without brake	kg	0.9

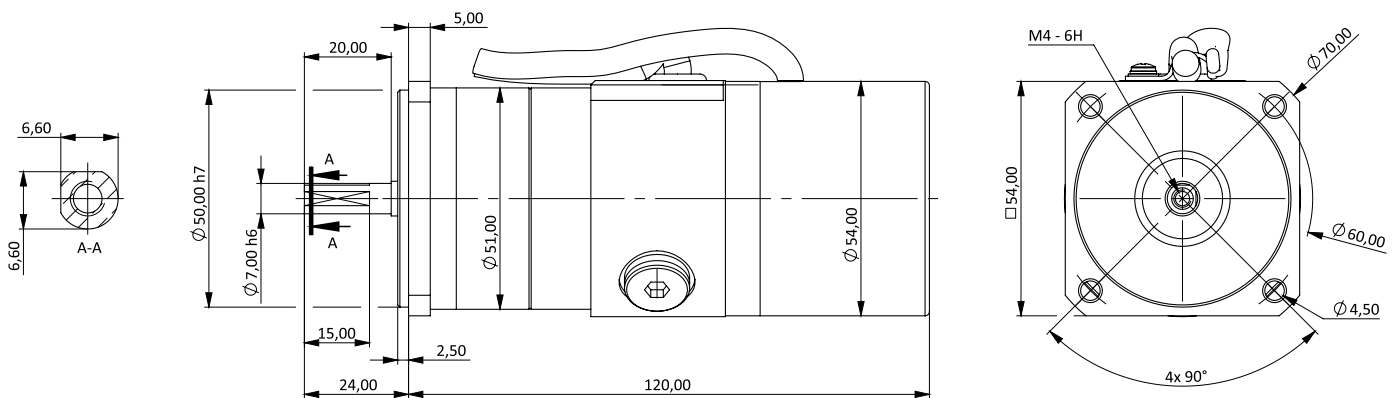
## Characteristic curves



## Dimensions: 5DA06-7SE3E



## Dimensions: 5DA06-7ST



## Accessories (optional) on request

- Gearbox
- Brake
- Tacho or encoder
- Different shaft designs (smooth, milled surfaces, with keyway)
- DC servo controller (Kern Drive)
- Matched cable length
- Version with plug
- Special paint finish
- 2nd shaft end
- Higher protection class

## Notes

- Tolerances comply with VDE0530. A tolerance of  $\pm 10\%$  applies to non-specified values.
- If a shaft seal is fitted on the drive shaft, slightly lower torque levels should be expected due to friction losses.
- The technical data provided in the table and power curves refers to a DC voltage supply with a permissible harmonic content of up to 5%.
- The data is only valid for use in ambient temperatures between  $0^{\circ}\text{C}$  and  $40^{\circ}\text{C}$ . Above or below this temperature range, there is a risk of permanent damage to the product.

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