

# Spindle Motors

iSA  
900

with  
automatic  
tool change!

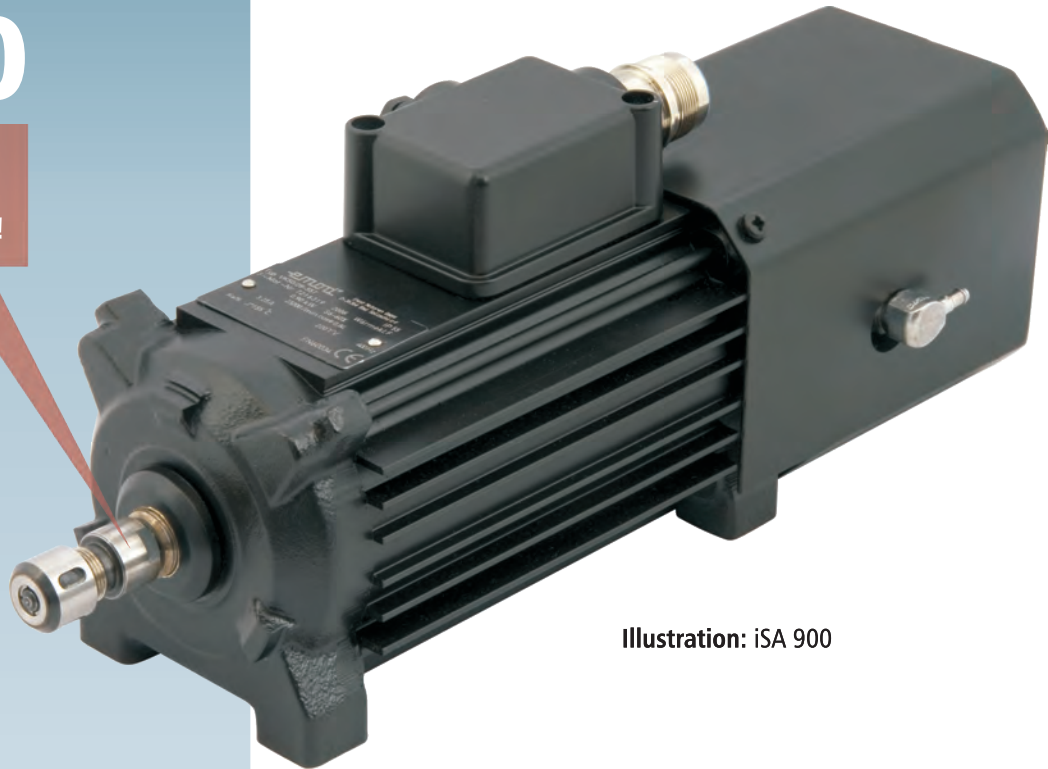


Illustration: iSA 900

## Optional:

- CoolMin tool and material cooling externally
- Frequency converter
- Tool changers
- Collets



Illustration:  
Frequency converter  
SKC 750

Illustration:  
CoolMin externally

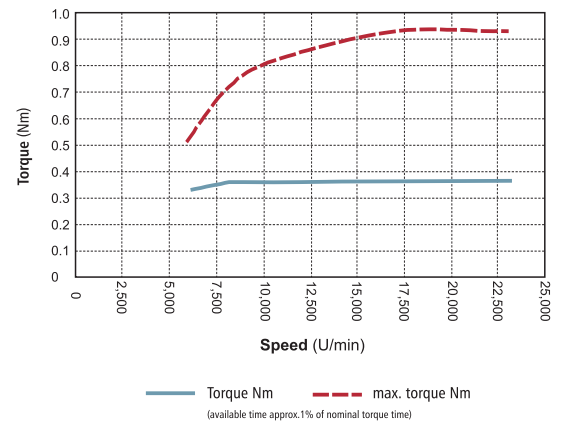
Illustration:  
Collet ER 11

- Robust 2-pole three-phase motor
- Protection Class IP55, Insulation Class F
- Die cast bearing bracket A and B side
- Nominal power output 0.9 kW (S6-40% operation)
- Speed range 6,000 rpm — 24,000 rpm
- Torque 0.37 Nm (at 24,000 rpm)
- Nominal voltage 230 V
- Automatic tool change
- Clamping range  $\varnothing$  1.0 - 7.0 mm
- Separately driven fan B side
- Speed control by means of frequency converter
- Dual precision bearing
- Tool change SK 11 pneumatic (7.5 bar)
- Concentricity: 0.01 mm
- Weight: 5.8 kg

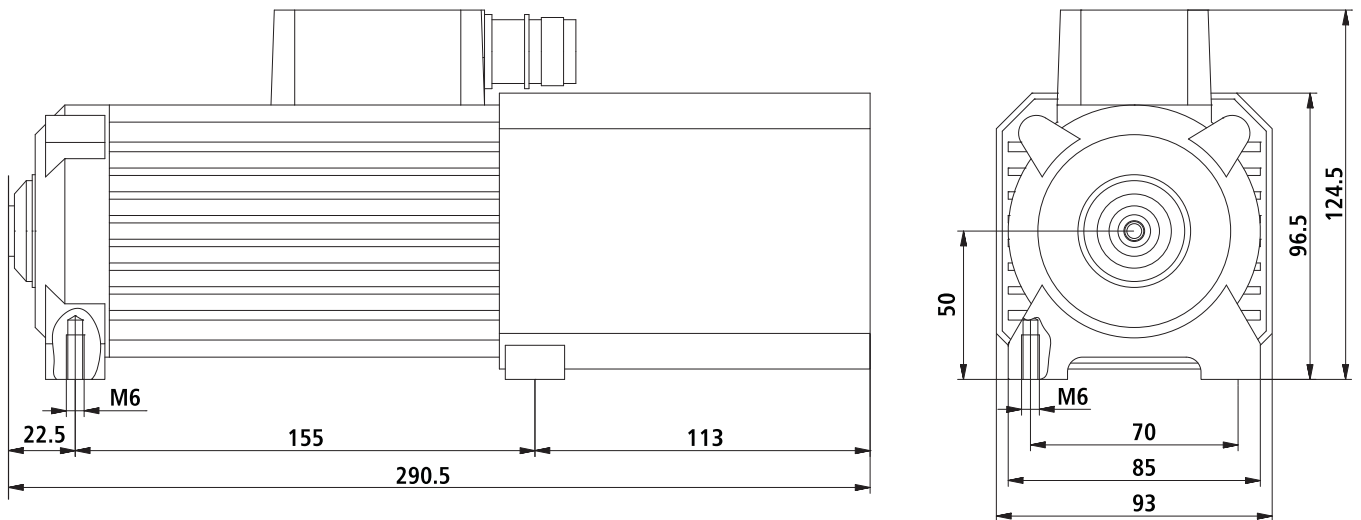
## Technical Data

Torque with nominal speed (22,000 rpm)	Nm	0.37
Speed range	rpm	6,000 ... 24,000
Cut-off frequency	Hz	400
Pole number		2
Nominal voltage	V	230
Nominal current	A	3.25
Cos $\Phi$		0.84
Nominal capacity (S6 = 40% operation)	W	900
Concentricity	mm	0.01
Weight	kg	5.8

## Torque Curve



## Dimensions



## Ordering Information

Item name		Item number
iSA 900	with collet ER 11 (6 mm), clamping nut ERM 11, chuck key ER 11 M, spanner SW 17, Interconnectron connector	477009 3324
iSA 900 with converter	as described above, plus frequency converter SKC 1500, motor connection cable 8 m	310709 3612
Tool change station SK 11	5x with hood	239011 0053
Tool change station SK 11	5x without hood	239011 0054
Tool holder SK 11	for collet ER 11	239111 0001
CoolMin	external	239011 0119
Collet set ER 11	1 – 7 mm	239170 0001
Mounting panels for isel Systems (Z axis)	LES 5	277028 0003