

Spindle motor iSA 2200 W



iSA 2200 W | Spindle motor with automatic tool changer

- robust 2-pole AC motor (asynchronous motor)
- square shape
- protection class IP 55, insulation class F
- M23 plug connection
- cast end shield A and B sides
- tool change SK 20 pneumatic (7,5 bar)
- incl. ER 20 collet, Ø 6 mm
- clamping range Ø 1 mm – Ø 13 mm
- intrinsic ventilation B-side
- two precision bearings
- controlled by frequency converter

Technical specification

Torque [Nm] (at rated speed 22,000 rpm)	1.26
Speed range [U/min.]	5,000 – 20,000
Cut-off frequency* [Hz] / Speed [U/min.]	300 / 18,000
Number of poles	2
Rated voltage [V]	3 x 230 (star connection)
Rated current [A]	7.6
Power factor (cos φ)	0.84
Rated power [kW] (S6 = 40% Operation)	2.2
Concentricity [mm]	0.01
Weight [kg]	14.6

*cut-off frequency = frequency to which the motor effect is designed.

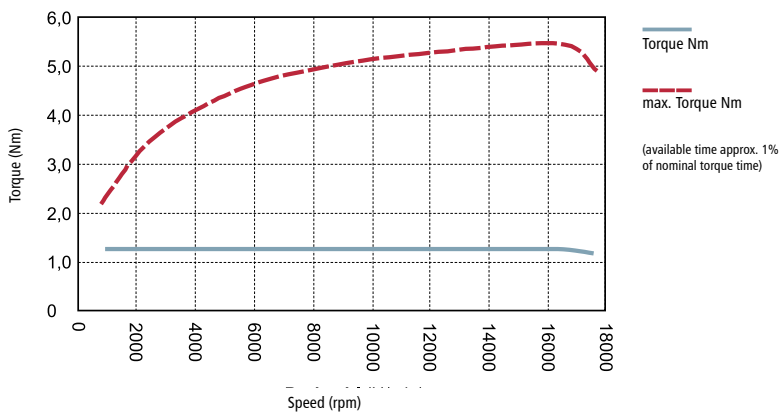
Options

- sensory module
- CoolMin[®] (external)
- CoolMin[®] (internal) with internal mold cooling
- frequency converter SKC 1500
- tool changing station
- suction device
- various collets ER 20
- mounting plates
- connection cable in different lengths
- sealing air connection

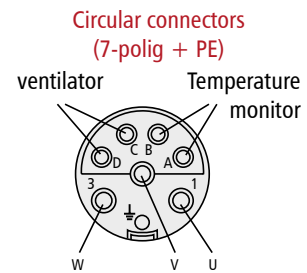


iSA 2200 W
with CoolMin[®] internal

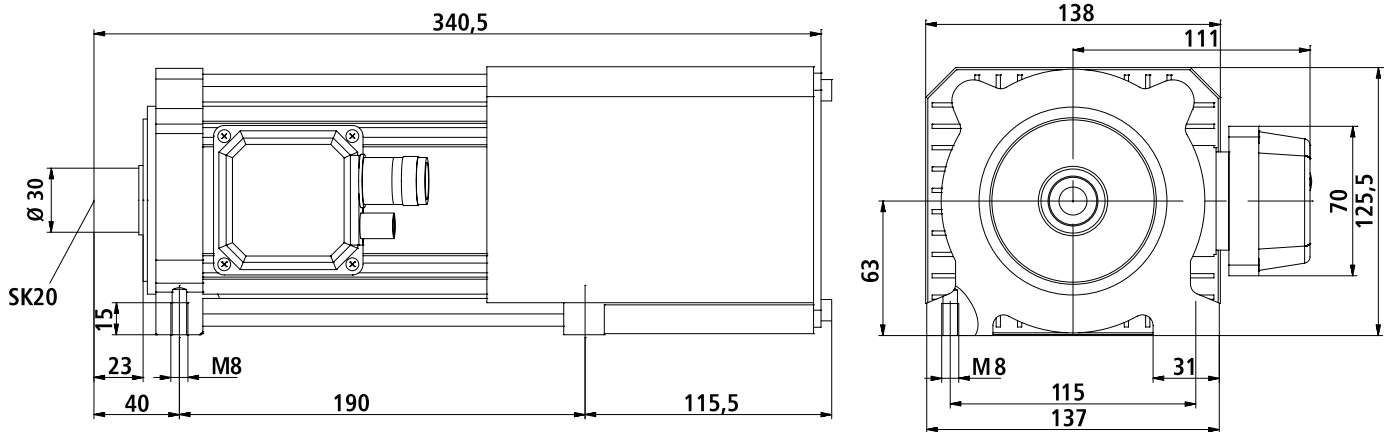
Torque curves



Motor connection



Dimensional drawing



Order data

Part no.

Spindle motor	with collet ER 20 (6 mm)	477022 3320
iSA 2200 W	with converter** and connecting cable (8 m), incl. collet ER 20 (6 mm)	310722 3621
	with CoolMin®, incl. collet ER 20 (6 mm)	477022 5320
	with converter** and connecting cable (8 m) and CoolMin®, incl. collet ER 20 (6 mm)	310722 3631
CoolMin®	external	239011 0119
Frequency converter	SKC 1500	311715 6000
Collet Set	ER 20 (1.0 / 2.0 / 3.0 / 4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0 / 13.0 mm)	239172 0001
Tool change station***	linear SK 20, 4-port	239011 0041
	linear SK 20, 8-port	239011 0081
	rund SK 20, 14-port	239100 6630
Tool holder	SK 20 (for collet ER 20)	239172 0020
Suction device	prepared for Ø 80 mm hose	239012 0002
	prepared for Ø 80 mm hose, with external tool cooling	239012 0003
Mounting plates	for EuroMod / FlatCom	277028 0004
isel systems (Z axis)	for linear unit LES 5	277028 0005

converter pre-set for spindle *special changing stations on request