

Spindle motors iSA 750 S



iSA 750 S | Spindle motor with manual tool changer

- robust 2-pole AC motor (asynchronous motor)
- square shape
- Protection class IP54, insulation class F
- motor shaft to take ER 16 collets
- aluminium extrusion A and B sides
- manual tool change
- M23 plug connection
- incl. ER 16 collet, Ø 6 mm
- clamping range Ø 1 mm – Ø 10 mm
- intrinsic ventilation B-side
- two precision bearings
- controlled by frequency converter
- max. tool diameter: 3 mm
- max. tool length: Ø x 5
- recommended use of the tool: 2-cutter

Technical specification

Torque at rated speed [Nm] (22.000 rpm)	0,34
Speed range [U/min.]	3.000 – 28.000
Cut-off frequency* [Hz] / Speed [U/min.]	300 / 18.000
Number of poles	2
Rated voltage [V]	220
Rated current [A]	3.4
cos	0.79
Rated power [kW] (S6 = 40% Operation)	0.75
Concentricity [mm]	0.01
Weight [kg]	2.6

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

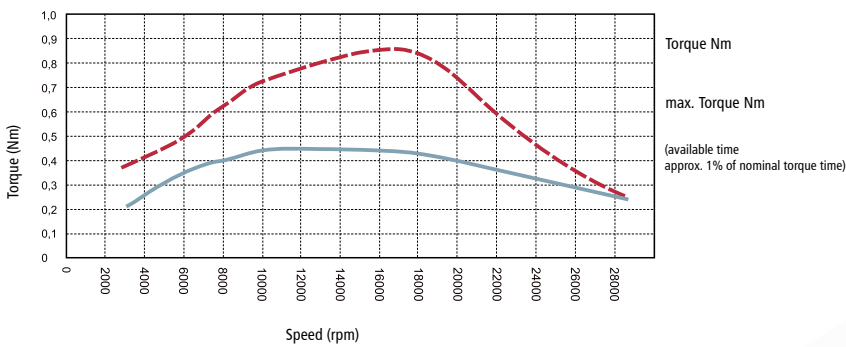
Optional

- CoolMin[®] (internal and external)
- frequency converter SKC 750
- suction device
- various collets ER 16,
- mounting plates
- lead lengths
- sealing air connection possible

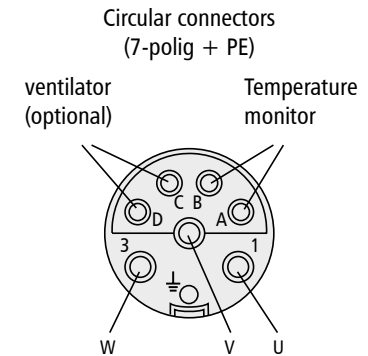


iSA 750 S
with CoolMin[®]

Torque curves

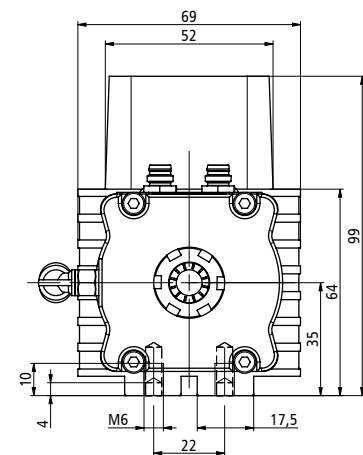
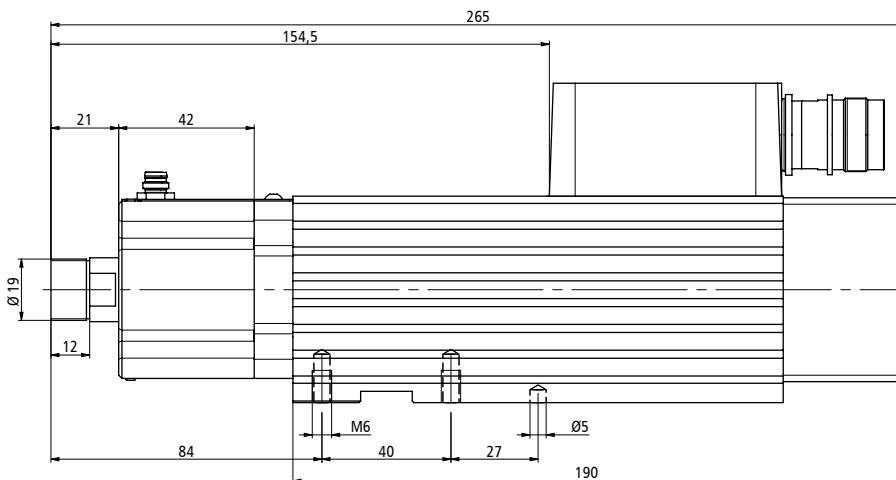


Motor connection



- 2 x Sensor output for standstill monitoring redundant safety system (2 x VCC = 12 V – 24 V, 2 x L on spindle rotation),
- 2 x Output separated
- 2 x H at standstill

Dimensioned drawings



Ordering information

Part no.

Spindle motor iSA 750	with collet ER 16 (6 mm)	477008 31245
	with converter** and connecting cable (8 m), incl. chuck key ER 16 (6 mm)	310708 16115
	with CoolMin®, incl. chuck key ER 16 (6 mm)	477008 51245
	with converter**, connecting cable (8 m) and CoolMin®, incl. chuck key ER 16 (6 mm)	310707 16315
Frequency converter	SKC 750	311707 6000
Collet set	ER 16 (1,0 / 2,0 / 3,0 / 4,0 / 5,0 / 6,0 / 7,0 / 8,0 / 9,0 / 10,0 mm)	239171 0001
Exhaust device	for EuroMod / FlatCom (prepared for Ø 38 mm hose)	239012 0000
	for ICP / ICV 4030 (prepared for Ø 21 mm hose, with cold air nozzle)	280211 9001
	AK 750 for CoolMin® (prepared for Ø 38 mm hose)	239012 0012
Mounting panels for isel Systems (Z axis)	for Linear unit LES 5 / FB 2	277014 / 277013
	for Linear unit LES 6	277028 0008
	for ICP / ICV	280000 0046
	for EuroMod / FlatCom	277028

**converter pre-set for spindle