

# Spindle motor iSA 750



## iSA 750 | Spindle motor with manual tool changer

- robust 2-pole AC motor (asynchronous motor)
- square shape
- protection class IP54, insulation class F
- M23 plug connection
- A side: aluminium extrusion / B side: cast iron end shield
- motor shaft to take ER 16 collets
- 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
- fitting holes Ø 5 mm ( $\pm 0.1$ ) for easy spindle replacement

## Technical specification

Torque [Nm] (at rated speed 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 (star connection)
Rated current [A]	3.4
Power factor (cos $\phi$ )	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.

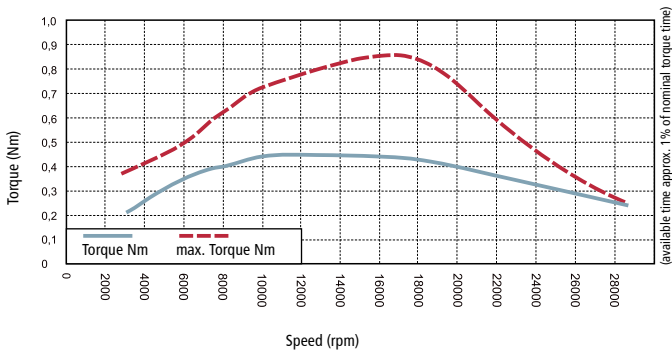
## Options

- CoolMin® (internal and external)
- frequency converter SKC 750
- various collets ER 16
- connection cable in different lengths
- suction device
- mounting plates
- sealing air connection

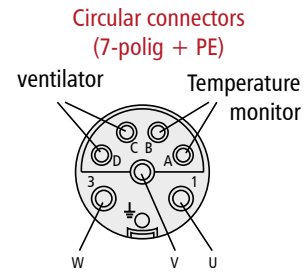


iSA 750  
with CoolMin® internal

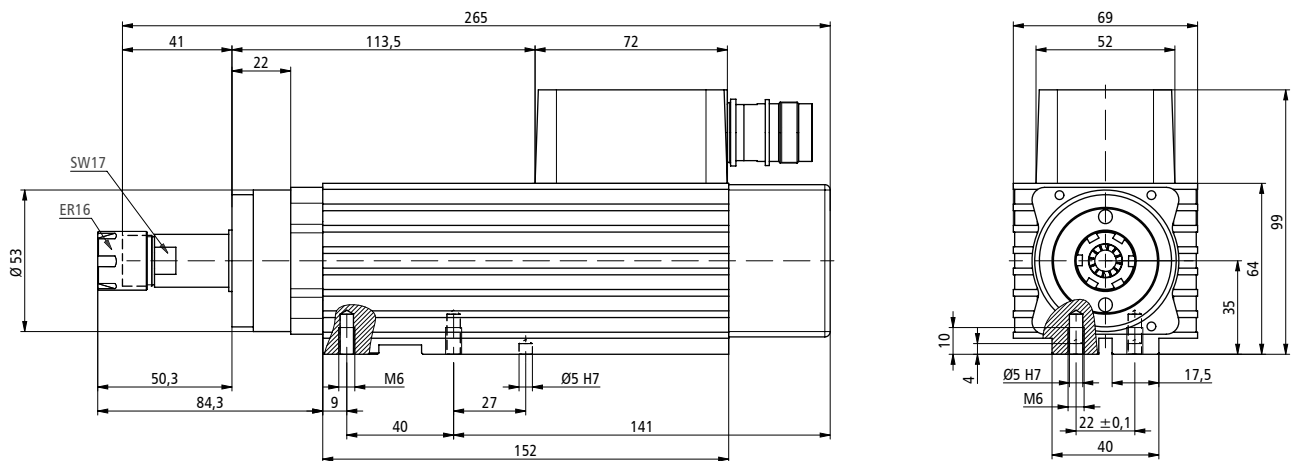
## Torque curves



## Motor connection



## Dimensional drawing



### Order data

		Part No.
Spindle motor iSA 750	with collet ER 16 (6 mm)	477008 3124
	with converter** and connecting cable (8 m), incl. collet ER 16 (6 mm)	310708 1611
	with CoolMin® (internal), incl. collet ER 16 (6 mm)	477008 5124
	with converter**, connecting cable (8 m) and CoolMin®, incl. collet ER 16 (6 mm)	310707 1631
CoolMin®	external	239011 0119
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
Suction 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
Suction head	AK 750 for CoolMin® (prepared for Ø 38 mm hose)	239012 0012
Mounting plates isel systems (Z axis)	Mounting plate set on LES 5	675015 9297
	Mounting plate set on LES 6	675015 9298

\*\*converter pre-set for spindle