

# Spindle motor with manual tool changer

## iSA 500

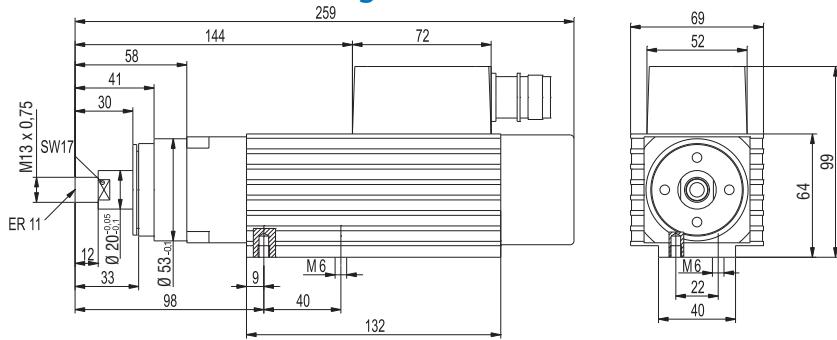
iSA 500 with manual tool change

iSA 500 with manual tool change  
and CoolMin tool cooling system

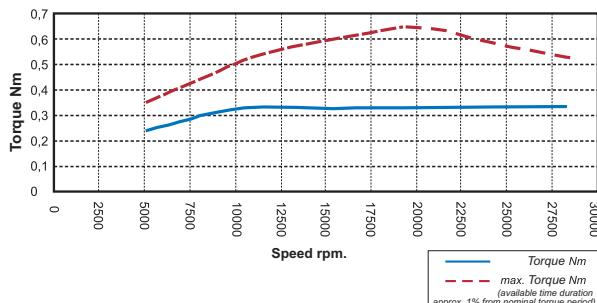
### Technical specification

Description	iSA 500
Torque at rated speed 18,000 rpm	[Nm] 0.28
Speed	[rpm] 5,000 to 30,000
Cut-off frequency	[Hz] 300
Number of poles	2
Rated voltage	[V] 230
Rated current	[A] 2.6
$\cos \phi$	0.75
S 6 = 40% rated output	[kW] 0.5
Concentricity	[mm] 0.01
Weight	[kg] 2.8

### Dimensioned drawings



### Torque curves



### Features

- Robust 2-pole AC motor (asynchronous motor)
- Square shape, protection class IP54, isolation class F
- Cast bearing apron A-side, aluminium extrusion B-side
- Motor shaft to take ER 11 collets
- Rated output 0.5 kW (S6-40% operation)
- Speed range 5,000 rpm. - 30,000 rpm.
- Manual tool change
- M23 plug connection
- incl. ER 11 collet, Ø 6 mm
- Clamping range Ø 1 mm – Ø 7 mm
- Intrinsic ventilation B-side
- Controlled by Frequency converter
- Spindle bearing: 2 bearings A-side  
1 bearing B-side
- Optional:
  - CoolMin® (internal and external)
  - Frequency converter
  - Various collets, mounting plates, lead lengths
  - Suction device

### Ordering information

iSA 500 spindle motor  
Part no.: **477004 3130**

iSA 500 spindle motor  
with converter and lead (8m)  
Part no.: **310704 1611**

iSA 500 spindle motor with CoolMin®  
Part no.: **477004 5130**

iSA 500 spindle motor with converter,  
lead (8 m) and CoolMin®  
Part no.: **310704 1631**

LES 5 mounting plate  
Part no.: **277014**

LES 6 / FB 2 mounting plate  
Part no.: **277028 0008 / 277013**

ICP/ICV mounting plate  
Part no.: **280000 0046**

EuroMod/FlatCom mounting plate  
Part no.: **277028**

- SKC 750 frequency converter  
see page **5-31**
- M23 motor side leads  
see page **5-31**
- Suction device for 38 mm hose  
see page **5-31**
- collet set, ER11 type  
see page **5-32**

Subject to technical changes.