

Spindle motor

with manual tool changer

iSA 500



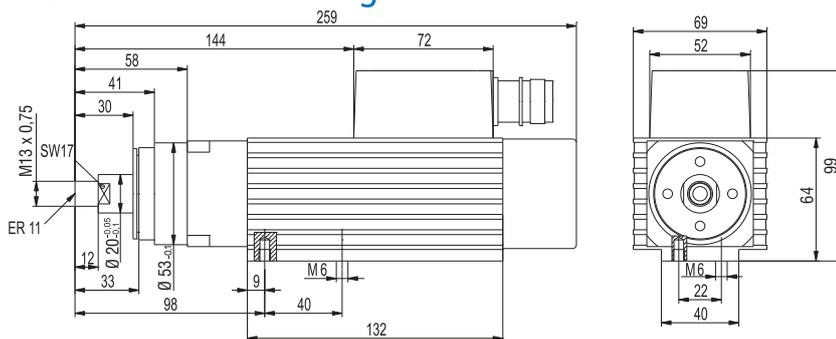
Features

- 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

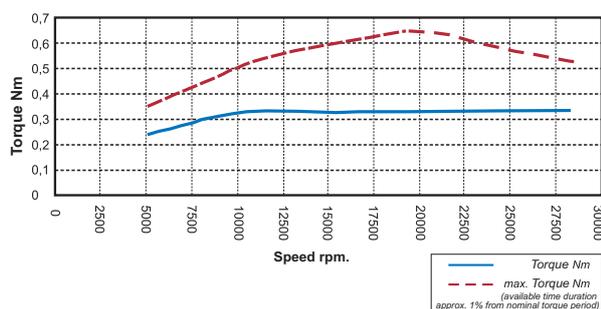
Technical specification

| 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 φ | | 0.75 |
| S 6 = 40% rated output | [kW] | 0.5 |
| Concentricity | [mm] | 0.01 |
| Weight | [kg] | 2.8 |

Dimensioned drawings



Torque curves



Subject to technical changes.

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**