

Spindle motor with manual tool changer

iSA 1500

Features

- Robust 2-pole AC motor (asynchronous motor)
- Square shape, protection class IP54, insulation class F
- Cast bearing apron A and B sides
- Motor shaft to take ER 20 collets
- Rated output 1.5 kW (S6-40% operation)
- Speed range
5,000 rpm. - 20,000 rpm.
- Manual tool change
- M23 plug connection
- Incl. ER20 collet, Ø 6 mm
- Clamping range
Ø 2 mm – Ø 13 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
- 4-pole motor version to order

Ordering information

iSA 1500 spindle motor
Part no.: **477510 3120**

iSA 1500 spindle motor with converter
and connecting lead (8 m)
Part no.: **310610 3614**

iSA 1500 spindle motor with CoolMin®
Part no.: **477510 5120**

iSA 1500 spindle motor with converter
and CoolMin®
Part no.: **310610 3634**

LES 5 mounting plate
Part no.: **277028 0003**

EuroMod/FlatCom mounting plate
Part no.: **277028 0002**

- CoolMin® external with hose
see page **5-29**
- SKC 1500 frequency converter
see page **5-31**
- M23 motor side connecting leads
see page **5-31**
- Suction device for 80 mm hose
see page **5-31**
- collet set, ER20 type
see page **5-32**

iSA 1500 with manual tool change

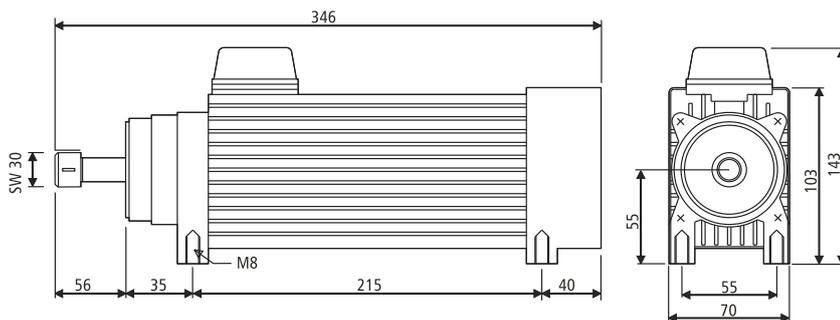


iSA 1500 with manual tool change
and CoolMin tool **cooling system**

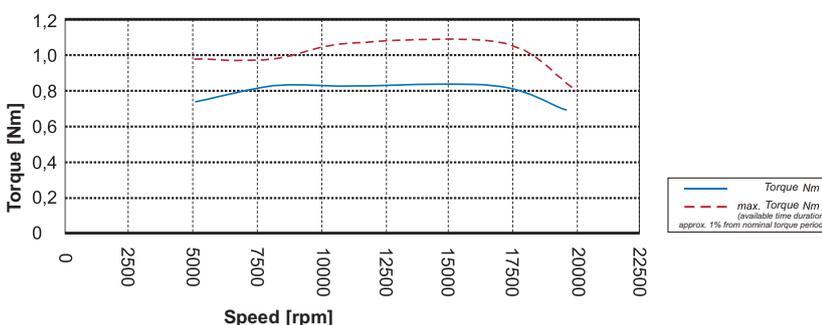
Technical specification

Description		iSA 1500
Torque at rated speed 20,000 rpm	[Nm]	0.72
Speed	[rpm]	5,000 to 20,000
Cut-off frequency	[Hz]	300
Number of poles		2
Rated voltage	[V]	230
Rated current	[A]	7
cos φ		0.85
S 6 = 40% rated output	[kW]	1.5
Concentricity	[mm]	0.01
Weight	[kg]	6.4

Dimensioned drawings



Torque curves



Subject to technical changes.