

Spindle motor

with automatic tool changer

iSA 1500WL

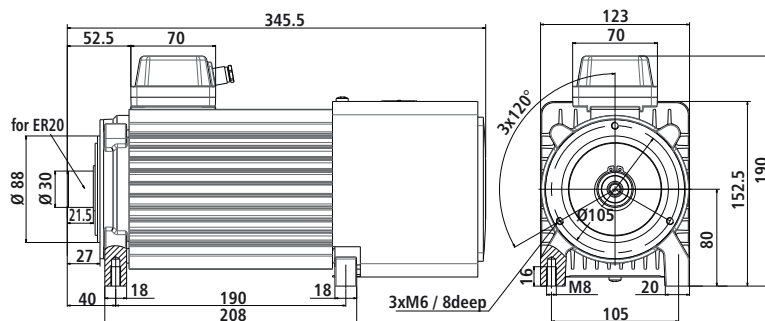


iSA 1500WL

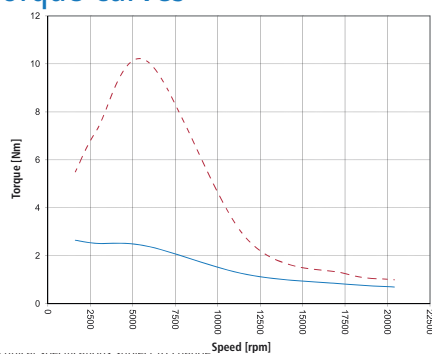
Technical Data

Description		iSA 1500WL
Torque at nominal speed 6,000 rpm	[Nm]	2,5
Max. Speed	[rpm]	1,000 - 20,000
Cut-off frequency	[Hz]	100
Number of poles		2
Rated voltage	[V]	3 x 230 /star connection
Rated current	[A]	6
cos ϕ		0.35
Rated power (S6 = 40% operation)	[W]	1,500
Concentricity	[mm]	0.01
Weight	[kg]	14.0

Dimensioned drawings



Torque curves



Technical specifications subject to change.

Features

- Robust 2-pole AC motor (hardened motor shaft)
- Protection class IP55, Isulation class F
- Cast bearing apron A and B sides
- Rated output 1.5 kW (S6-40% operation)
- Rotational speed range 6,000 rpm / 100 Hz
- Rated torque 2.5 Nm (at 6,000 rpm)
- Specific torque rating for drilling and lowering in the speed range 1,000-20,000 rev / min
- Rated voltage 3 x 230 V
- Automatic tool change
- Clamping range \varnothing 2 mm – \varnothing 13 mm
- Separately driven fan B-side
- Controlled by frequency converter
- Double precision bearings
- SK 20 tool changer pneumatic (7,5 bar)
- Concentricity: 0.01 mm
- Weight: 14.0 kg

- **Optional:**
 - CoolMin® Tool and material cooling (external)
 - Frequency converter
 - Tool changer
 - Collets

Ordering information

Spindle motor iSA 1500WL
with collets ER 20 (6 mm), nut ERM 20, clamping key ER 20 M, jaw key SW 22, Interconnection connection
Part no.: **477015 3320**

Spindle motor iSA 1500WL as above, plus
frequency converter SKC 1500, motor connecting cable 8 m
Part no.: **310715 3621**

SK20 tool change station 4-fold with hood
Part no.: **239011 0041**

SK 20 tool holder
Part no.: **239172 0020**

CoolMin® (external)
Part no.: **239011 0119**

Clamping set ER 20
2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13.0 mm
Part no.: **239172 0001**

Mounting plate isel systems (Z-axis)
LES 5 Part no.: **277028 0019**