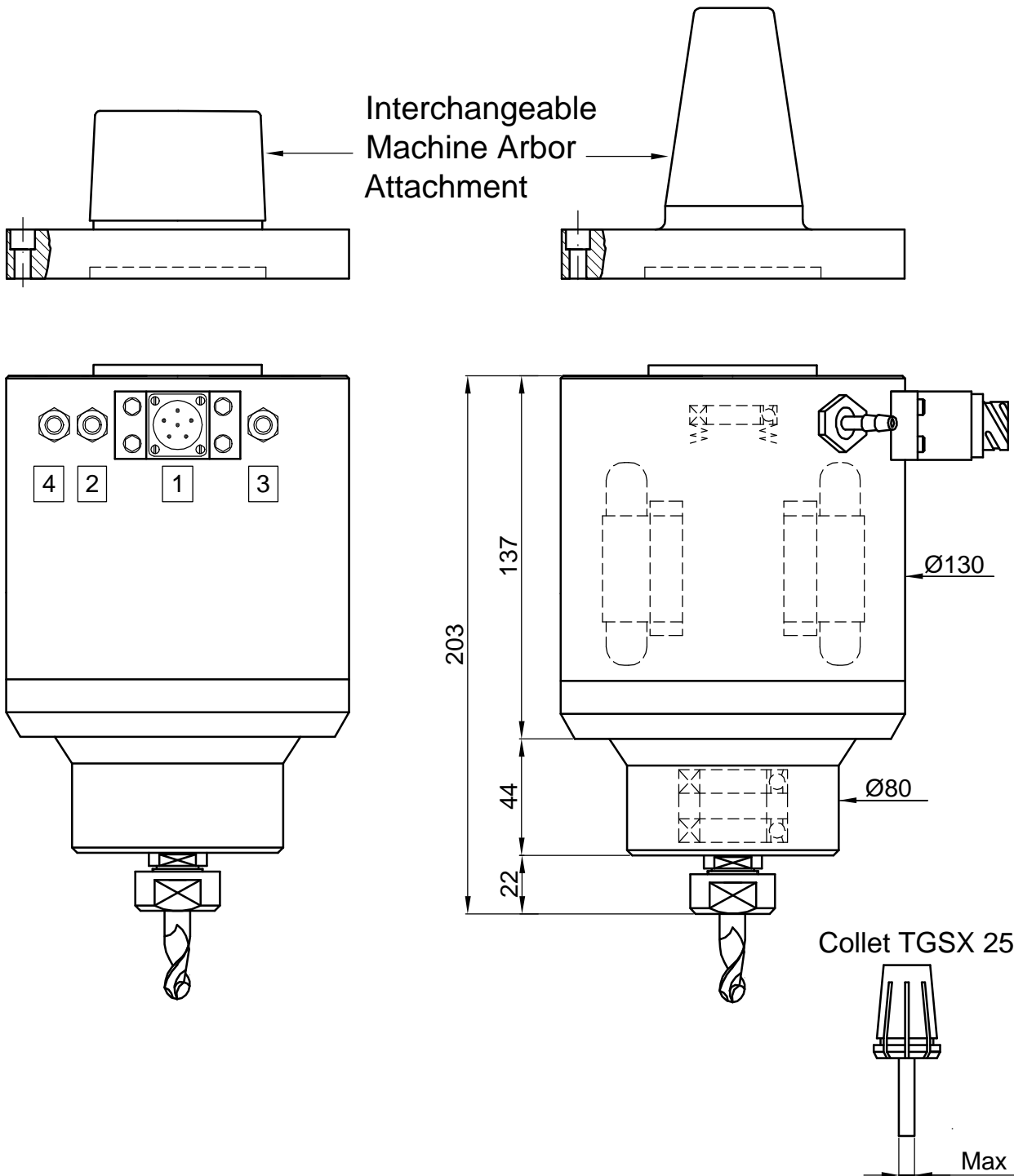


# FAEMAT

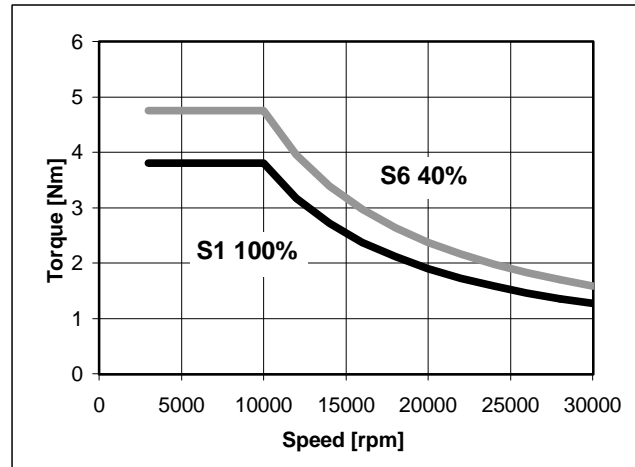
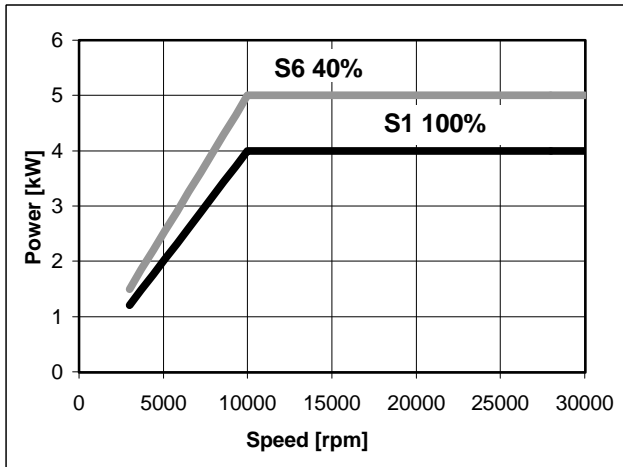
## Milling Electrospindle Type FA 80 HSL



SPEED	RPM	3000	10000	30000
FREQUENCY	Hz	100	333	1000
POWER (S1)	KW	1.5	4	4
TORQUE	Nm	4.8	3.8	2.3
VOLTAGE	V	90	270	350
CURRENT	A	11.7	11.7	9.3

1	Motor connector Motor phases Earth Thermal Switch N.C.
2	Coolant inlet
3	Coolant outlet
4	Continuous inlet filtered air 0.5 MICRON for pressurization (1-1.5 bar MAX)

## Torque & Power Diagram



## Technical data-sheet

<b>PERFORMANCES</b>	Max speed	30000 rpm
	Power (S1)	4 KW from 10000 rpm
	Power (S6-40%)	5 KW from 10000 rpm
	Max torque	3,8 Nm (S1) - 4,8 Nm (S6-40%)
	Front-side bearings diameter	30 mm
	Axial stiffness	200 N/ $\mu$ m
	Radial stiffness	90 N/ $\mu$ m
	Collet Type	TGSX 25
	Tool Diameter	From $\phi$ 0,75 to $\phi$ 16 mm
	Weight	15 Kg

<b>SERVICES</b>	Voltage	350 V Three-Phases
	Pressurization	Front Side
	Clamping system	Manual
	Bearings lubrication	Grease
	Type of bearings	High precision hybrid ceramic bearings
	Motor technology	Integrated Asynchronous motor
	Spindle cooling	Water and Oil
	Motor's thermal sensor	Thermal Switch N.C.
	Machine Arbor Attachment	ISO 40 - ISO 50 DIN 69871 BT 40 - BT 50 HSK A50 - A63 DIN 69893 Other arbors upon request