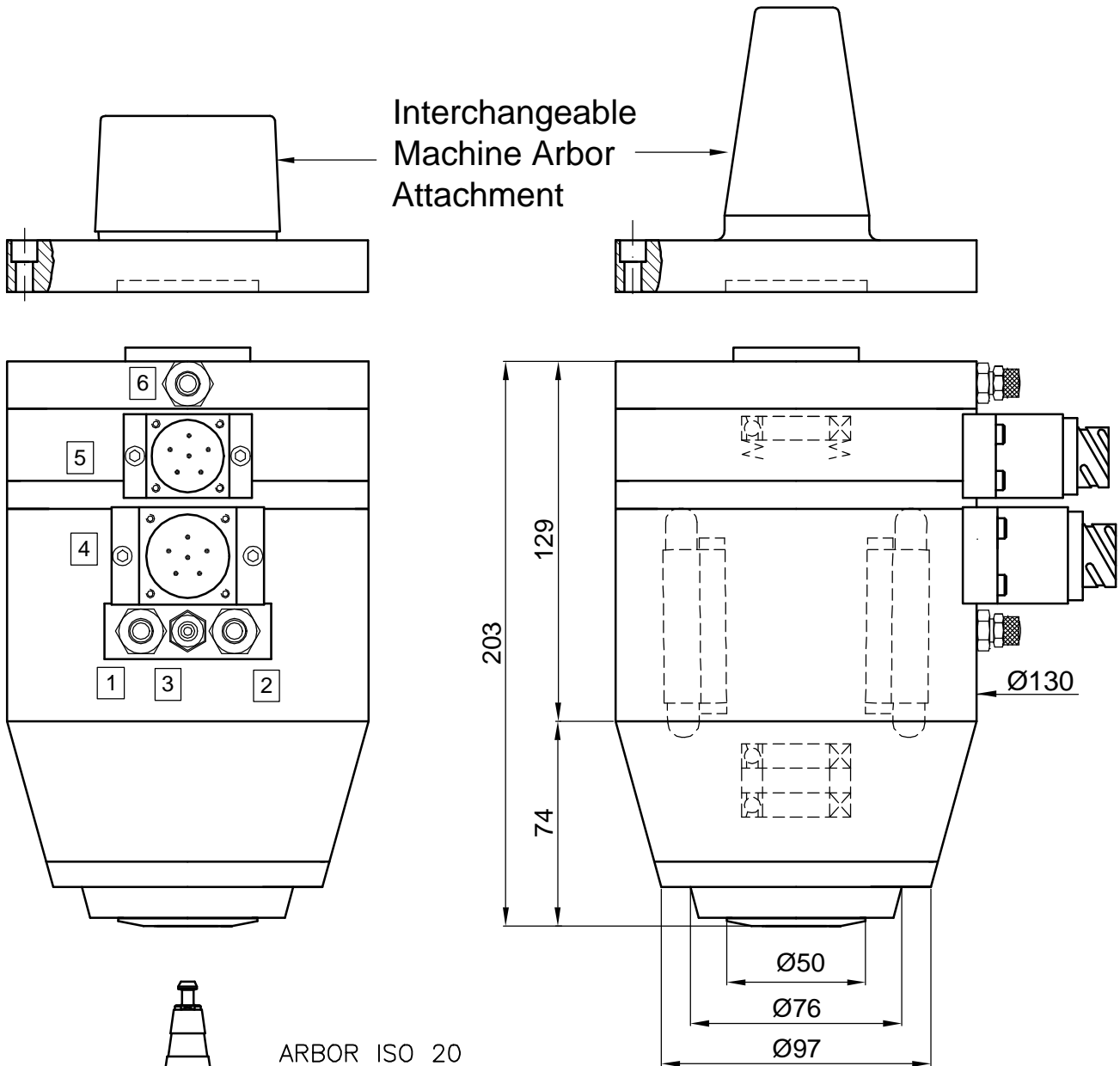




FAEMAT

Milling Electerspindle Type FA 80 H CU

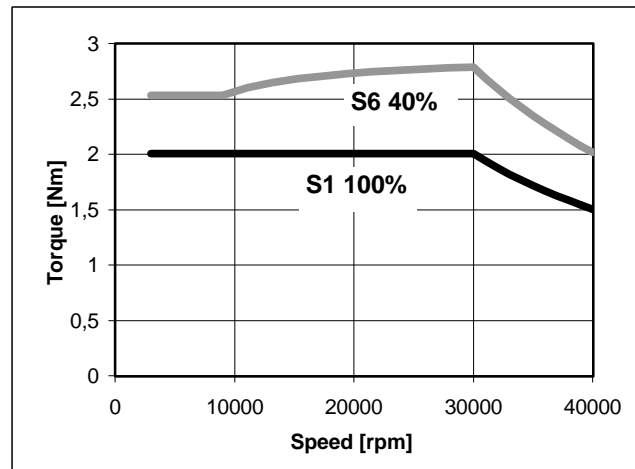
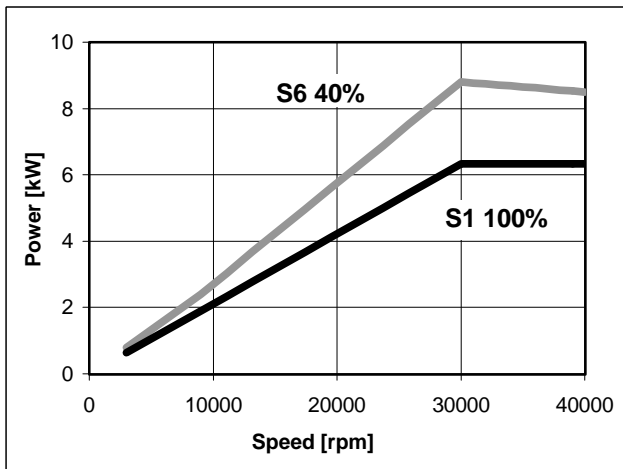


ARBOR ISO 20
DIN 69871

SPEED	RPM	9000	21000	30000	40000
FREQUENCY	Hz	300	700	1000	1334
POWER (S1)	KW	1.9	4.7	6.8	6.8
TORQUE	Nm	2.1	2.1	2.1	1.6
CURRENT	A	19	19	19	17
VOLTAGE	V	106	247	350	350

1	Coolant inlet
2	Coolant outlet
3	Continuous inlet filtered air 0.5 MICRON for pressurization (1-1.5 bar MAX)
4	Motor connector Motor phases Earth Thermal Switch N.C.
5	Outlet cables proximity (PX1-PX2) PX1 = Tool's arbor clamped. PX2 = Piston under pressure ready for <u>The electerspindle cannot run.</u> receiving tools arbor.
6	Inlet air tool change 6 bar

Torque & Power Diagram



Technical data-sheet

PERFORMANCE	
Max speed	40000 rpm
Power (S1)	6,8 KW from 30000 to 40000 rpm
Power (S6-40%)	8,8 KW from 30000 to 40000 rpm
Max torque	2,1 Nm (S1) - 2,7 Nm (S6-40%)
Front-side bearings diameter	25 mm
Axial stiffness	160 N/ μ m
Radial stiffness	80 N/ μ m
Type of adaptor	ISO 20 DIN 69871
Tool clamping force	1200 N
Weight	16 Kg

SERVICES	
Voltage	350 V Three-Phases
Pressurization	Front-side
Tool change detection	Clamped - Unclamped
Clamping system	Automatic - Pneumatic Piston 6 bar
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 Sensor N.C.
Machine Arbor Attachment	ISO 40 DIN 69871 - BT 40 HSK A50 - A63 DIN 69893 Other arbors upon request