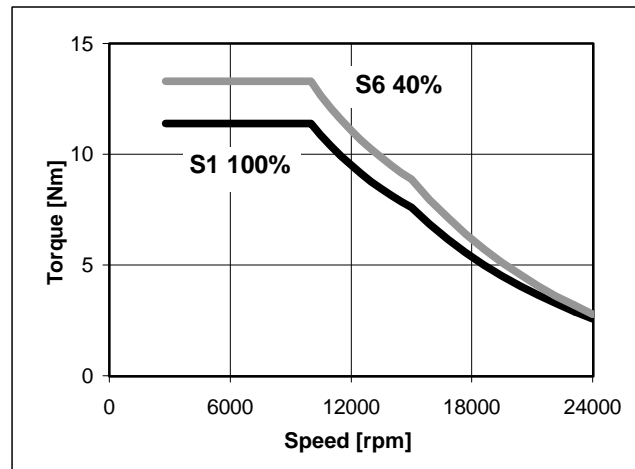
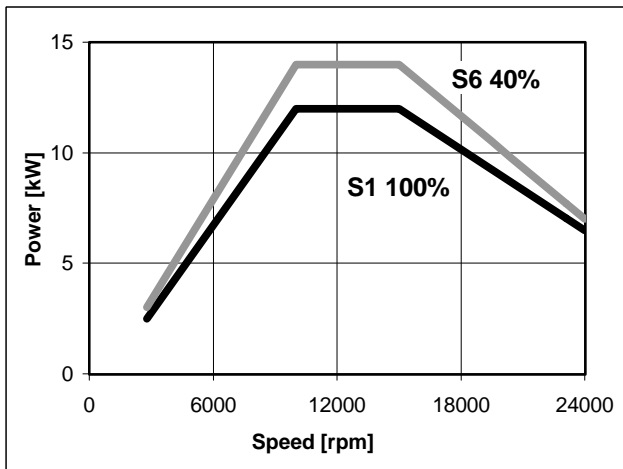


ARBOR HSK E 50
DIN 69893

SPEED	RPM	3000	10000	24000
FREQUENCY Hz		100	334	800
POWER (S1) KW		3.5	12	6.5
TORQUE Nm		11	11	3
VOLTAGE V		100	267	350
CURRENT A		30	30	15

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)
5	Inlet air tool change and air taper cleaning (6 bar)
6	Proximity Cables (PX1-PX2-PX3-PX4)
	PX1 = Tool's arbor clamped. PX2 = Piston under pressure ready for receiving tools arbor. PX3 = Signal of spindle rotating PX4 = Spindle without tool

Torque & Power Diagram



Technical data-sheet

PERFORMANCE	Max speed	24000 rpm
	Power (S1)	12 KW from 10000 to 15000 rpm
	Power (S6-40%)	14 KW from 10000 to 15000 rpm
	Max torque	11 Nm (S1) - 13 Nm (S6-40%)
	Front-side bearings diameter	45 mm
	Axial stiffness	270 N/μm
	Radial stiffness	130 N/μm
	Type of adaptor	HSK E50
	Tool clamping force	6500 N
	Weight	40 Kg

SERVICES	Voltage	350 V Three-Phases
	Pressurization	Front-side
	Taper cleaning of toll interface by air	Each tool change
	Tool change detection	Clamped - Unclamped - Without tool
	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 - ISO 50 DIN 69871 BT 40 - BT 50 HSK A63 - HSK A80 DIN 69893 Other arbors upon request