

SPECIFICATIONS

TURNMILL 1250

Working capacity

Max.workpiece swing	1500 mm
Max.turning diameter	1500 mm
Min. inner machining diameter	140 mm
Max. workpiece height	1250 mm

Travels

X – axis (cross rail)	1400 mm
Y – axis (slide)	1500 mm
Z – axis (ram)	1250 mm
C – axis (clamping plate)	n x 360°
Max.feedrate	20 000 mm/min.
Rapid traverse	25 m/min.
Acceleration	5 m /s ²

Accuracy (VDI/DGQ 3441)

Positioning accuracy (P)	0.012 mm
Repeatability (Ps max.)	0.006 mm
C - axis positioning accuracy	± 2,5"

Clamping plate

Plate diameter	1250 mm
Max. load	6000 kg
Max. Speed	630 rpm
Main motor power / S2 –30 min.	60 / 84 kW
Max.torque / S2 – 30 min.	14.600/ 20500 Nm
Clamping plate C-axis: max. speed	8 rpm
max. torque	10 000 Nm

Rotary tool drive

Max. speed	6500 rpm
Continuous power / S6-40%	38 / 48 kW
Max. torque / S6-40%	300 / 384 Nm

Automatic tool change system

Max. number of tool heads	10
Tool taper	ISO 50
ATC capacity	45
Max. tool diameter: - full magazine	125 mm
- adjacent pocket empty	250 mm
Tool length	350 mm
Max. tool weight	20 kg

Services

Mains	3 x 400 V / 50 Hz
Power input	100 kVA
Compressed air	0,6 – 0,8 MPa

Dimensions

Floor space	6 400 x 6 250 mm
Max. height	5 400 mm
Machine weight	35 000 kg

Control

SINUMERIK 840 D

STANDARD

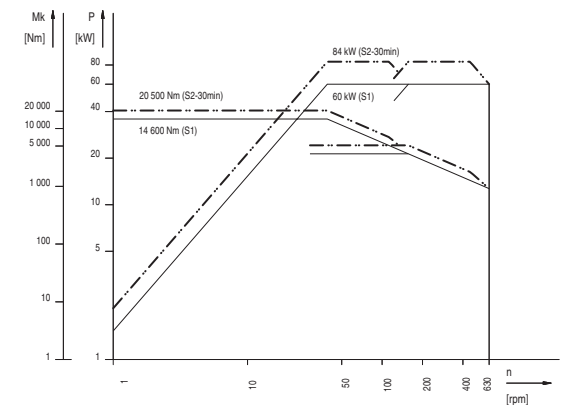
SINUMERIK 840D control
SIEMENS digital drives
Linear scales
Cooling unit – tool coolant system
Swarf conveyer

OPTIONS

Tool heads
Through – spindle tool coolant
Through – spindle cooling unit with filtration
High pressure cooling equipment
ATC capacity - 65, 85 or 120 tools
Air suction unit
Workpiece probe
Tool probe
Grinding wheel rotary truing
Pivoted viewing window
Upper, lower washing - off

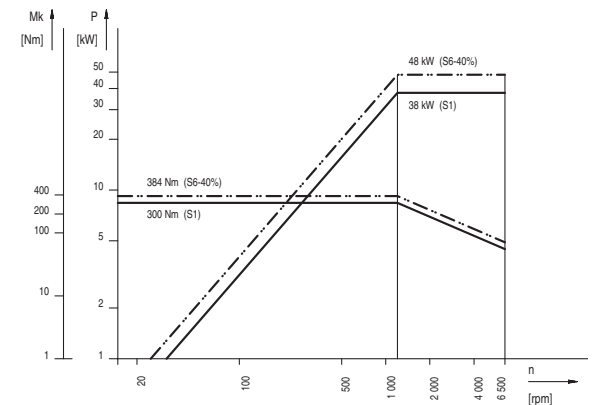
CLAMPING PLATE POWER AND TORQUE DIAGRAM

MOTOR SIEMENS 1PH7 186, 60 kW,
Two speed planetary gearbox



SPINDLE POWER AND TORQUE DIAGRAM

MOTOR SIEMENS, 38 kW



Specifications are subject to change without notice in line with our policy of continuous improvement.

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