

Technical Data

Working area

Max. width between columns	7,500 mm
Max. workpiece height (distance between table surface and spindle nose of GB 1N head)	6,000 mm

faceplate

Diameter	6,000 mm
Number of clamping jaws	8 pcs.
Max. clamping force each	200 kN
Width of T-slots	36 ^{H12} mm
Drive power	256 kW
Speed stepless for turning operation	0 – 48 min ⁻¹
Speed stepless for milling operation	0 – 7 min ⁻¹
Max. torque	321 kNm
Max. load	150 t

Floor plate

Width	6,000 mm
Length	17,000 mm
Width of T-slots	36 ^{H12} mm
Distance of T-slots	250 mm
Max. load	25 t/m ²

Gantry (X-axis)

Travel	21,000 mm
Feed / rapid rate	0 – 16,000 mm/min

Cross rail (W-axis)

Travel (stepless)	4,000 mm
Max. speed	2,000 mm/min

Saddle (Y-axis)

Travel from middle to right side	7,000 mm
Travel from face plate center to left side	5,000 mm
Feed / rapid rate	0 – 16,000 mm/min

Ram (Z-axis)

Diameter	560 mm
Guidance length	2,200 mm
Travel	3,000 mm
Min. bore to enter	570 mm
Speed / feed range	0 – 16,000 mm/min
Max. cutting force for turning operation	75 kN

Masterhead-Principle for Boring and Milling Head

Drive power S1 (100% ED)	100 kW
Number of gears	3
Spindle speed, max.	range 1 0 – 100 – 400 min ⁻¹
	range 2 0 – 400 – 1,600 min ⁻¹
	range 3 0 – 1.600 – 2,500 min ⁻¹
Max. spindle torque	range 1 9,000 Nm
	range 2 2,100 Nm
	range 3 500 Nm

Integrated C-axis

Speed	0 – 5 min ⁻¹
Max. feed torque	9,000 Nm
Max. clamping torque	36,000 Nm
Swivel range, stepless	±240 °

Attachment changer

SK 60 tool holder
 Stations for 5 machining heads

Machining heads

Straight drilling and milling head GB1N
 Angle drilling and milling head WB1N
 Universal drilling and milling head UB1N
 Straight drilling and milling head GB1XN
 Angle drilling and milling head WB1XN
 Straight drilling and milling head GB1XXN
 Turning tool holder Capto C8
 Standard tool holder 60 x 60 NSH
 Reduction sleeve SK60/SK50

General data

Required space (LxWxH), approx.:	37,000 x 18,000 x 14,000 mm
Chip conveyor	2 pcs.
Electrical connection:	
Voltage	380 V
Total connected load, approx.	420 kVA
Frequency	50 Hz
Coolant system:	
Tank volume, total	6,000 l
External coolant supply:	
Pump capacity	60 l/min
Pump pressure	4 bar
Internal coolant supply:	
Pump capacity	15-25 l/min
Pump pressure	40 bar
Control	Siemens Sinumerik 840Dsl