

03

Technical data . C 62



03.1

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Working area	Traverse	X axis	1200 mm	
	Traverse	Y axis	1300 mm	
	Traverse	Z axis	900 mm	
	Rapid linear traverses	X-Y-Z	50 m/min	
	Linear acceleration	X-Y-Z	6 m/s ²	
	Linear feed force	X-Y-Z	16000 N	
	Max. vertical table clearance		1100 mm	
	Max. workpiece diameter		Ø 1200 mm	
	Max. workpiece height		900 mm	
	Collision circle (A axis) in 0° position		Ø 1400 mm	
Main spindle drive	Speed	9000 rpm	SK 50	○
	Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
	Speed	9000 rpm	HSK A 100	○
	Main power/Torque	20% c.d.f.	41 kW / 476 Nm	
	Speed	10000 rpm	HSK A 63	○
	Main power/Torque	20% c.d.f.	23 kW / 298 Nm	
	Speed	12000 rpm	HSK A 100	○
	Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
	Speed	15000 rpm	SK 40	●
	Main power/Torque	20% c.d.f.	35 kW / 215 Nm	
Speed	18000 rpm	HSK A 63	○	
Main power/Torque	20% c.d.f.	35 kW / 215 Nm		
Speed (MT variants)	12000 rpm	HSK A 100 / HSK T 100		
Main power/Torque	20% c.d.f.	56 kW / 356 Nm		
Speed (MT variants)	18000 rpm	HSK A 63 / HSK T 63		
Main power/Torque	20% c.d.f.	35 kW / 215 Nm		
Control unit	Heidenhain		TNC 640	●
	Siemens		Sinumerik 840 D sl	○

Tool changer (pick-up)	Interface	SK 40 / HSK A 63 / HSK T 63	SK 50 / HSK A 100 / HSK T 100	○
	Magazine pockets		70	50
Chip-to-chip time*		approx. 9.5 s	approx. 9.5 s	
*(chip-to-chip times for 3-axis units in milling mode calculated in keeping with German standard VDI 2852, page 1)				
Max. tool length		500 mm	500 mm	
Max. tool diameter		Ø 160 mm	Ø 250 mm	
Max. magazine load		560 kg	550 kg	

Extension of tool storage capacity*	Interface / Interface MT	additional magazine	max. magazine load	
		single	double	single
SK 40	ZM 90 / ZM 115	ZM 220 / ZM 270	90 / 115	220 / 270
SK 50	ZM 72 / ZM 92	ZM 176 / ZM 216	72 / 92	176 / 216
HSK A 63 / HSK T 63	ZM 110 / ZM 135	ZM 265 / ZM 325	110 / 135	265 / 325
HSK A 100 / HSK T 100	ZM 88 / ZM 108	ZM 212 / ZM 260	88 / 108	212 / 260

*The tool length depends on the use of the magazine and is at max. 500 mm. More details on request.

Table variants*	NC swivelling rotary table	Ø 900	Ø 1350	Ø 1200 (MT variant)
	Clamping surface	Ø 900 mm	Ø 1350 mm	Ø 1200 mm
Clamping surface flattened on 2 sides	-	1100 mm	-	
Swivelling range	+/- 130°	+/- 130°	+/- 130°	
C-axis drive mode	torque	torque	torque	
Speed - swivelling axis A	15 rpm	15 rpm	15 rpm	
Speed - rotary axis C	30 rpm	30 rpm	400 rpm	
Max. milling table load	2500 kg	2500 kg	2500 kg	
Max. turning table load	-	-	1500 kg	
T grooves parallel	7 units / 18 H7	11 units / 22 H7	-	
T grooves star			16 units / 22 H7	

*All tables available on demand

- Included in standard delivery
- Available upon request

Positional tolerance	<p>Tp in X-Y-Z axes according to VDI/DGQ 3441</p> <p>(calculated at a constant ambient temperature of 20 °C +/-1 °C. Our products are subject to the German Export Law and require authorization since the attainable precision may be less/greater than 6 µm.)</p>	0.008 mm ●
Chip conveyor	<p>Scraper belt conveyor ●</p> <p>Hinged belt conveyor ○</p> <p>Chip conveyor ejection height 1100 mm</p> <p>Chip cart 450 l ○</p>	
Coolant equipment	<p>Amount of coolant 600 l ●</p> <p>Pump capacity 5 bar / 80 l/min</p>	
Internal cooling lubricant supply with paper band filter	<p>Amount of coolant 1700 l</p> <p>Pressure (manually adjustable up to) max. 80 bar / 47 l/min</p> <p>Mains connection (ICS) 400 V / 50 Hz</p> <p>Power consumption (ICS) 24.8 kVA</p>	
Hydraulics	<p>Operating pressure 120 bar ●</p>	
Central lubrication	<p>Minimum grease lubrication quantity ●</p>	
Weight	<p>(Standard version without optional extras, attachments, workpieces and cooling lubricant)</p>	Approx. 30.0 t
Connected loads	<p>Mains connection 400 V / 50 Hz</p> <p>Power consumption C 62 U 78 / 90 kVA</p> <p>Power consumption C 62 U MT 90 / 104 kVA</p> <p>Compressed air 6 bar</p>	

● Included in standard delivery

○ Available upon request

