

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	14000 rpm	HSK A 100 / HSK T 100	○
Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
Speed (MT)	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	
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 /	additional magazine		max. magazine load	
	Interface MT	single	double	single	double
SK 40		ZM 90 /115	ZM 220 /270	90 /115	220 /270
SK 50		ZM 72 /92	ZM 176 /216	72 /92	176 /216
HSK A 63 / HSK T 63		ZM 110 /135	ZM 265 /325	110 /135	265 /325
HSK A 100 / HSK T 100		ZM 88/108/128	ZM 212 /260/300	88 /108/128	212 /260 /300

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

Table variants*	Swivelling rotary table	Ø 900	Ø 1350	Ø 1200 (MT variant)
	Clamping surface		Ø 900 mm	Ø 1350 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 uncertainty	P in X-Y-Z axes according to VDI/DGQ 3441 (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.)	0.008 mm	●
Chip conveyor	Scraper belt conveyor		●
	Slat conveyor		○
	Chip conveyor ejection height	at least 940 mm	
	Chip cart	450 l	○
Coolant equipment	Amount of coolant	600 l	●
	Pump capacity	5 bar / 140 l/min	
Internal cooling lubricant supply with paper band filter	Amount of coolant	1650 l	
	Pressure	max. 80 bar / 39 l/min	
	Mains connection (ICS)	400 V / 50 Hz	
	Power consumption (ICS)	without temperature controller with temperature controller	25 kVA 31 kVA
Hydraulics	Operating pressure	120 bar	●
Central lubrication	Minimum grease lubrication quantity		●
Weight	(Standard version without optional extras, attachments, workpieces and cooling lubricant)	Approx. 30.5 t	
Connected loads	Mains connection	400 V / 50 Hz	
	Power consumption C 62 U	to 114 kVA	
	Power consumption C 62 U MT	to 114 kVA	
	Compressed air	6 bar	

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