

Technical data

Machine type			KEL-VITA
			1000
Main specifications			
Distance between centres		mm	1000
Grinding length	RS // URS	mm	800
R // UR	mm	600	1000
Centre height		mm	175
Weight of workpiece between centres		kg	100
Load on chucked work		Nm	100
Mains voltage required			3 x 400V / 50 Hz // 3 x 460V / 60 Hz
Power consumption depending on equipment	A		35 - 80
Space required / length x width	mm		3000 x 2000
Table / slide: Z-axis			
Travel		mm	1150
Rapid travers speed		m/min	20
Resolution		um	0.1
Swiveling range of upper table		degree	9
Wheelslide: X-axis			
Travel		mm	350
Rapid travers speed		m/min	10
Resolution		um	0.1
Swivel devices			
Autom. indexing	Hirth coupling	degree	1
Man. indexing	Hirth coupling	degree	2,5
Swiveling range of upper table		degree	+ 90-190
Wheelhead general			
Drive motor water-cooled		kW	10
Peripheral grinding wheel speed		m/s	35 / 45
Wheelhead R // UR			
Grinding wheel dimension lefthand side		mm	400 // 500
Options		mm	different dimensions
Grinding wheel dimension righthand side		mm	300 // 400
Options		mm	different dimensions
Wheelhead RS // URS			
Grinding wheel dimension righthand side		mm	400 // 500
Options		mm	different dimensions
Grinding wheel dimension lefthand side		mm	400
Options		mm	different dimensions
Internal grinding attachment			
Bore for spindle		mm	80 / 120
Rotational spindle speed, motor infinitely var.		min-l	6000 - 21 000
Motor output		kW	3
HF-spindles Option		kW	5.2 / 8
Workhead			
Rotational spindle speed		min-l	1 - 1000
Driving torque spindle		Nm	24
Spindle nose / internal taper			MT 5 // DIN 55026 #5 / ASA 5
Swiveling range		degree	- 10 + 100
Tailstock			
Internal taper			MT 4
Retraction of sleeve		mm	48
Micro-adjustment optional		um	+ / - 60
CNC control system			
GE Fanuc			310 is-A
Measuring systems			
Gap Control			KEL-TOUCH
Active longitudinal positioning			Movomatic // Marposs
Passive longitudinal positioning			Movomatic // Marposs
In-process gauging			Movomatic // Marposs
Balancing			KEL-BALANCE

All specifications and designs are subject to alterations without notice

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