

TECHNICAL DATA

ZV 40 EXTREME

ZV 45 EXTREME

ZV 48 EXTREME

TRAVELS

X axis travel (length)	mm	1	1600-6000 *		
X travel working in 2 areas	mm	2	2x 515 - 2x 2715		
Y axis travel (cross)	mm		600	800	1000
Z axis travel (vertical)	mm		800		
Maximum width of piece	mm	3	900	1100	1300

TABLE

Fixed table dimensions	mm		X axis travel + 400 mm L (1600/2200) & X axis travel + 600 mm (longer than 3000) / Y axis travel + 50 mm		
Maximum table load capacity	kg/m²		1500		
Number of "T" slots			5	7	7
"T" slots size	mm		18 H7		
Distance between "T" slots	mm		125		
Min/max distance spindle nose/table	mm		100 / 900		
Table height	mm		975		

MAIN SPINDLE

Spindle taper			Standard: SK-40 / Option: BT-40 / Option: HSK A-63		
Tool clamping force	N		Standard: SK-40 (12000) / Option: BT-40 (12000) / Option: HSK A-63 (18000)		

MAIN SPINDLE MOTOR

Maximum Speed	rpm		12000 / Option: 18000-24.000		
Power 100% (S6 40%)	kW		Standard: 28 kW (36 kW) / Option: 25 kW (35 kW), 19 kW (26.7 kW)		
Maximum torque 100% (S6 40%)	Nm		Standard: 121 Nm (156 Nm) / Option: 87 Nm (130 Nm) / 60 Nm (86 Nm)		

CONTROLS

Available digital controls			Fanuc - Heidenhain - Siemens		
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FEED

Feed thrust X/Y/Z 100% (S3 40%)	N		X: 11992 (17261) / Y: 8521 (11689) / Z: 7669 (10520)		
Rapid feed for positioning X/Y/Z	m/min		45-48-48		
Maximum working feed X/Y/Z	m/min		30		

ACCURACY ACCORDING TO VDI / DGQ3441

Positioning accuracy Tp X-Y (1000 mm)	m		10		
Repeatability	m		5		

CAPACITY

Milling capacity in steel St 60	cm /min		900		
Drilling capacity in steel St 60	Ø mm		50		
Tapping capacity in steel St 60	mm		M33		

TOOL MAGAZINE

Number of tools (optional)			24 (40-60)		
Maximum tool length	mm		350		
Maximum tool weight	kg		10		
Maximum tool Ø with full magazine	mm		90 (65 with 60 tool ATC)		
Maximum tool Ø with free spaces	mm		125		
Tool changing time	s		6"		
Chip to chip time	s		8"		

GENERAL

Machine painted in 3 colours	RAL		Grey 7021, Grey 9006, Violet 4008		
Total power installed	kW		55		
Power connection voltage	V		400V / 50 Hz		
Required compressed air pressure	bar		6		
Approximate net weight	kg	7	12000-27000	14000-29000	15000-32000
Machine length	mm	4	5850-11650		

STANDARD EQUIPMENT

Measuring by glass scales X/Y/Z	
Chip conveyor and coolant tank	
Full protection guarding	
Movable control panel	
Automatic central lubrication system	
Lighting equipment	
Climatized electrical cabinet	
Air blowing for clone cleaning	
Headstock hydraulic counter balance	
Vertical protections in X axis	

MAIN OPTIONS

Coolant through main spindle	
Dividing wall and NSM software	
*X axis travel 6000-12000 mm (with rack)	

 Subject to change without prior notice. Informative contents are not binding.

TECHNICAL DATA

ZV 50 EXTREME

ZV 55 EXTREME

ZV 58 EXTREME

TRAVELS

X axis travel (length)	mm	1	1600-6000 *		
X travel working in 2 areas	mm	2	2x 465 - 2x 2665		
Y axis travel (cross)	mm		600	800	1000
Z axis travel (vertical)	mm		1000		
Maximum width of piece	mm	3	1000	1200	1400

TABLE

Fixed table dimensions	mm	X axis travel + 400 mm L (1600/2200) & X axis travel + 600 mm (longer than 3000) / Y axis travel + 50 mm		
Maximum table load capacity	kg/m²	2000		
Number of "T" slots		5	7	
"T" slots size	mm	18 H7		
Distance between "T" slots	mm	125		
Min/max distance spindle nose/table	mm	100 - 1100		
Table height	mm	1075		

MAIN SPINDLE

Spindle taper			Standard: SK-50 / Option: BT-50 / Option: HSK A-100		
Tool clamping force	N		Standard: SK-50 (25000) / Option: BT-50 (25000) / Option: HSK A-100 (45000)		

MAIN SPINDLE MOTOR

Maximum Speed	rpm		9000 / Option: 12000-6.000		
Power 100% (S6 40%)	kW		Standard: 35 kW (48 kW) / Option: 35 kW (48 kW), 35 kW (48 kW)		
Maximum torque 100% (S6 40%)	Nm		Standard: 239 Nm (327Nm) / Option: 239 Nm (327 Nm) / 334 Nm (458 Nm)		

CONTROLS

Available digital controls			Fanuc - Heidenhain - Siemens		
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FEED

Feed thrust X/Y/Z 100% (S3 40%)	N		X: 15021 (22971) / Y: 12154 (17255) / Z: 10649 (15529)		
Rapid feed for positioning X/Y/Z	m/min		45		
Máx. working feed X/Y/Z	m/min		30		

ACCURACY ACCORDING TO VDI / DGQ3441

Positioning accuracy Tp X-Y (1000 mm)	µm		10		
Repeatability	µm		5		

CAPACITY

Milling capacity in steel St 60	cm³/min		1100		
Drilling capacity in steel St 60	Ø mm		70		
Tapping capacity in steel St 60	mm		M45		

TOOL MAGAZINE

Number of tools (optional)			30 (40-60)		
Maximum tool length	mm		400		
Maximum tool weight	kg		20		
Maximum tool Ø with full magazine	mm		125 (100 with 60 tool ATC)		
Maximum tool Ø with free spaces	mm		175		
Tool changing time	s		8"		
Chip to chip time	s		10"		

GENERAL

Machine painted in 3 colours	RAL		Grey 7021, Grey 9006, Violet 4008		
Total power installed	kW		55		
Power connection voltage	V		400V / 50 Hz		
Required compressed air pressure	bar		6		
Approximate net weight	kg	7	15500 - 32500	18500 - 34500	21500 - 38500
Machine length	mm	4	58500 - 11650		

STANDARD EQUIPMENT

Measuring by glass scales X/Y/Z	
Chip conveyor and coolant tank	
Full protection guarding	
Movable control panel	
Automatic central lubrication system	
Lighting equipment	
Climatized electrical cabinet	
Air blowing for clone cleaning	
Headstock hydraulic counter balance	
Vertical protections in X axis	

MAIN OPTIONS

Coolant through main spindle	
Dividing wall and NSM software	

*X axis travel 6000-12000 mm (with rack)

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IBARMIA.
your machine-tool point