

TECHNICAL DATA

ZV 40 CLASSIC

ZV 45 CLASSIC

ZV 48 CLASSIC

TRAVELS

X axis travel (length)	mm	①	(1200) 1600-6000 *	1600-6000 *
X travel working in 2 areas	mm	②	2x 420 - 2x 2620	2x 400 - 2x 2600
Y axis travel (cross)	mm		600	800
Z axis travel (vertical)	mm		600	800
Maximum width of piece	mm	③	720	990

TABLE

Fixed table dimensions	mm		X axis travel + 400 mm L (1200/1600/2200) & X axis travel + 600 mm (longer than 3000) / Y axis travel + 50 mm	
Max. table load capacity	kg/m²		1500	
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		150/750	200/1000
Table height	mm		900	

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

BELT & PULLEYS

Maximum Speed	rpm		8000	
Power 100% (S6 40%)	kW		Standard: 22 kW (33 kW) Option: 28 kW (42 kW)	
Maximum torque 100% (S6 40%)	Nm		Standard: 210 Nm (315 Nm) Option: 267 (401 Nm)	

CONTROLS

Available digital controls			Fanuc - Heidenhain - Siemens	
----------------------------	--	--	------------------------------	--

FEED

Feed thrust X/Y/Z 100% (S3 40%)	N		X: 10825 (15149) / Y/Z: 10668 (14991)	X:13983 (17850) / Y/Z: 14559 (18450)
Rapid feed for positioning X/Y/Z	m/min		40	
Maximum working feed X/Y/Z	m/min		20	

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 (40-52)	
Maximum tool length	mm		300	
Maximum tool weight	kg		10	
Maximum tool Ø with full magazine	mm		90	
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		50	
Power connection voltage	V		400V / 50 Hz	
Required compressed air pressure	bar		6	
Approximate net weight	kg	⑦	9500-19500	13000-23500
Machine length	mm	④	4850-11650	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)
** Fixed control in ZV-40L1200

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

TECHNICAL DATA

ZV 50 CLASSIC

ZV 55 CLASSIC

ZV 58 CLASSIC

TRAVELS

X axis travel (length)	mm	①	1600-6000 *		
X travel working in 2 areas	mm	②	2x 360 - 2x 2560		
Y axis travel (cross)	mm		600	800	1000
Z axis travel (vertical)	mm		800		
Maximum width of piece	mm	③	760	990	1160

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	200 / 1000	
Table height	mm	900	

MAIN SPINDLE

BELT & PULLEYS

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		Standard: 5000 rpm - Option: 6000 rpm		
Power 100% (S6 40%)	kW		Standard: 21,5 kW (30,5 kW) Option: 16 kW (24 kW) ... 29,6 kW (43 kW)		
Maximum torque 100% (S6 40%)	Nm		Standard: 410 Nm (592 Nm) Option: 305 Nm (458 Nm) ... 565 Nm (821 Nm)		

CONTROLS

Available digital controls			Fanuc - Heidenhain - Siemens		
----------------------------	--	--	------------------------------	--	--

FEED

Feed thrust X/Y/Z 100% (S3 40%)	N		X: 13983 (17850) / Y/Z: 14559 (18450)		X: 18464 (27058) / Y/ Z: 14559 (18450)
Rapid feed for positioning X/Y/Z	m/min		40		
Maximum working feed X/Y/Z	m/min		20		

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		1000		
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)	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		10"		
Chip to chip time	s		12"		

GENERAL

Machine painted in 3 colours	RAL		Grey 7021, Grey 9006, Violet 4008		
Total power installed	kW		50		
Power connection voltage	V		400V / 50 Hz		
Required compressed air pressure	bar		6		
Approximate net weight	kg	⑦	12300 - 21000	14500 - 25000	15500 - 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.