

# Specifications 30 HV



## Performance

		Standard	Option
Drilling capacity in steel E 335 / AISI 1040	mm	40	60
Tapping in steel E 335 / AISI 1040	M	22	30
Milling capacity in steel E 335 / AISI 1040	cm <sup>3</sup> /min	250	500

## Main spindle drive (motor spindle)

Power at 40% c.d.f.	kW	16	30
Speed range	rpm	20 - 9,000/ (12,000/15,000/18,000)	
Torque max.	Nm	100	190

## Feed rates

Feed Z-axis	N	11,000
Feed X-/Y-axis	N	8,000
Rapid traverse speed	m/min	30/ (48/100 with linear drive)
Programmable feed	mm/min	30,000/ (48,000/100,000)

## Tool spindle

Taper		SK40 - DIN 69 871/72 form A (HSK 63A)
with internal cooling (optional)		SK40 - DIN 69 871/72 form B (HSK 63A)
Spindle diameter	mm	70
Tool mounting/tightening force	N	12,000

## Tool magazine

Capacity		24/ (36/48/60/80 up to 160)
Max. tool diameter	mm	70/130
Max. tool length	mm	300/(500)

## Tool change

		vertical	horizontal
Tool change time	sec.	approx. 3.5	approx. 6.5
Chip-to-chip time	sec.	approx. 5.5	approx. 8.5
Tool pocket coding		variable	

## Control

CNC path control		BOSCH/Heidenhain/Siemens 840D
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## Machining area

X-axis	mm	1,000/ (up to 12,000)
Y-axis	mm	600/ (800 and 1,000)
Z-axis	mm	800/ (1,100)
Distance spindle nose to table		
vertical	mm	0 - 700/ (1000)
horizontal	mm	150 - 950/ (1,250)
Machine table	mm	650/ (up to 1,050)
T-slots		5 x 18 H 10

## General specifications

Dimensions (W X H)	mm	approx. 2,760 x 3,000
Power supply	kVA	24
Compressed air connection	bar	6