

Specifications 30 FDZ



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 ³ /min	250	500

Main spindle drive (motor spindle)

Power at 40% c.d.f.	kW	16	30
Speed range	rpm	20 - 6,000/ (9,000/ 12,000/15,000/18,000)	20 - 9,000/ (12,000/ 15,000/18,000)
Torque, max.	Nm	100	190

2 head spindles (motor spindle with built-in A.C. motor)

Power at 40% c.d.f.	KW	22	30
Torque 40% c.d.f., max.	Nm	108	191
Speed control: continuous			
Speed range	rpm	0... 7,000	
Size of spindle head DIN 55026		A5	
C-axis drive			position-controlled motor spindle

Feed rates

Feed Z-axis	N	11,000	
Feed X-/Y-axis	N	8,000	
Rapid traverse speed	m/min	30/48/80 (Y=800/1,000) / 100 (Y=600 with linear drive)	
Programmable feed	mm/min	30,000/ (48,000/80,000/100,000)	

Tool spindle

Taper		HSK 63A
with internal cooling (optional)		HSK 63A
Spindle diameter	mm	70
Tool mounting/tightening force	N	12,000

Tool magazine

Capacity		24/ (36/48/60/80 up to 160)
Tool diameter, max.	mm	70/130
Tool length, max.	mm	300/380 (Z=800) / 450/530 (Z=1,100)
Tool weight, max.	kg	3/10

Tool change

Tool change time	sec.	2,5
Chip-to-chip time	sec.	4,5
Tool pocket coding		variable

Control

CNC path control	BOSCH/Siemens 840D

Machining area

X-axis	mm	2.000/ (up to 12,000)
Y-axis	mm	600/ (800 and 1,000)
Z-axis	mm	600
Distance spindle nose to table	mm	200-600 (100-1,000)
Machine table width	mm	500/ (up to 1,050)
T-slots		3 x 18H 10

General specifications

Dimensions (W X H)	mm	approx. 2,440 x 2,950
Power supply	kVA	20
Compressed air connection	bar	6