

SPECIFICATIONS

MCFV 1060

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STANDARD

Travels

X-axis (worktable)	1 016 mm	1 270 mm
Y-axis (saddle)	610 mm	610 mm
Osa Z (vřeteník)	760 mm	760 mm
Z-axis (spindle head)	150 – 910 mm	150 – 910 mm
Max. feed rates X, Y, Z	15 000 mm/min	15 000 mm/min
Rapid traverse X,Y,Z	30 m/min	30 m/min
Acceleration	5 m/s ²	5 m/s ²

Table

Surface	1 270x 590 mm	1 450 x 590 mm
Number of T-slots x width x span	5 x 18 x 125 mm	5 x 18 x 125 mm
Max. load	1 350 kg	1 350 kg

Accuracy (VDI/DGQ 3441)

Positioning (P) X,Y/Z	0,012 / 0,016 mm	0,014 / 0,018 mm
Repeatability (Ps max.) X,Y/Z	0,006 / 0,008 mm	0,006 / 0,008 mm
Feedback	linear scales	linear scales

Spindle

Spindle taper	ISO 40	ISO 50
Speed	10 000	8 000 rpm
Power/ S6-40%	9/13	12/18,5 kW
Max. torque/ S6-40%	183/265	367/565 Nm
Transmission type	planetary gearbox	
Spindle orientation	electrical	electrical

Automatic tool changer

Number of tools	24	16
Change time	7 s	7,1 s
Max. tool diameter:		
– full magazine	90 mm	130 mm
– adjacent pocket empty	160 mm	220 mm
Max. tool length	300 mm	300 mm
Max. weight	8 kg	12 kg
Max. all tools weight	108 kg	108 kg

Services

Voltage	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Power input	30 kVA	35 kVA
Air supply	0,6 – 0,8 MPa	0,6 – 0,8 MPa

Dimensions

Floor space without conveyor	2 750 x 2 120 mm	3 200 x 2 120 mm
Max. height	3 320 mm	3 320 mm
Hmotnost stroje	7 700 kg	8 500 kg

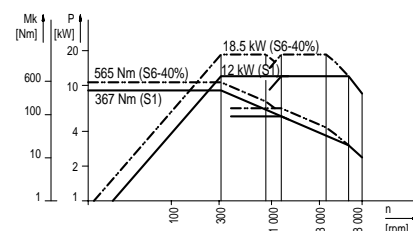
Control

HEIDENHAIN iTNC 530 HEIDENHAIN iTNC 530

Universal machine with wide use, designed for variable production assortment. Spindle with two-speed planetary gearbox.

SPINDLE POWER AND TORQUE DIAGRAM

Motor Siemens 1PH7-133-2ND PN, 12 kW, n_N = 1000 rpm, Two speed planetary gearbox ZF i₁ = 4, i₂ = 1, belt drive i₃ = 0.8



STANDARD EQUIPMENT

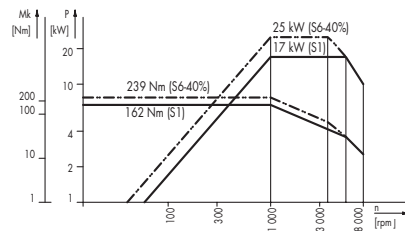
Control HEIDENHAIN iTNC 530
Digital drives SIEMENS
Linear scales
Central lubricating system
Tool holder air blasting
Cooling unit with tool cooling system
Way cover washing-off

TREND

Machine designed for modern technology of high performance machining. Direct belt drive spindle.

SPINDLE POWER AND TORQUE DIAGRAM

Motor Siemens 1PH7-137-2ND, 17 kW, n_N = 1000 rpm, belt drive i = 0.66



OPTIONS

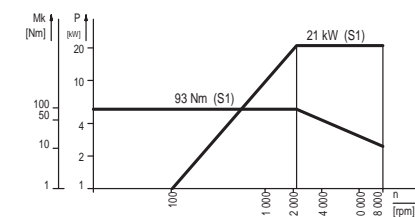
Through spindle coolant
Through spindle air coolant
Through spindle cooling unit with filtration unit
Hydropneumatic "Z" axis balance
Spindle headstock thermal stabilization
High speed spindle unit, 50 000 rpm
ATC pick-up version 24 tools (taper 40) 16 tools (taper 50)
Double arm ATC 30 tool capacity
Spindle taper CAT 40, BT 40 CAT 50, BT 50

CONTOUR

Machine designed for high speed machining. High speed spindle with max. speed of either 18 000 rpm or 24 000 rpm.

Pick-up tool magazine version with 20 tool capacity, taper HSK-A63.

SPINDLE POWER AND TORQUE DIAGRAM



4th, (4 / 5 th) axis rotary table
Workpiece measuring probe
Tool setting probe
Manual pallet changer, pallet size 760 x 460 mm
Swarf conveyor
Swarf pens
Upper, lower, washing-off
Control: SELCA S 4045 PD
Dyna Path DELTA 2000
SINUMERIK 840 D
FANUC 18i, (180i)

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Specifications are subject to change without notice in line with our policy of continuous improvement.