

Machine - Datasheet

Machinetype:	Horizontal boring machine
Make:	PAMA
Type:	SPEEDRAM 2000
Year of manufacture:	2005
Control:	Heidenhain iTNC530
Term of delivery:	On request
Quotation:	Ex works



Technical details	Dimension
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- X-axis (longitudinal travel - table):	12.000 mm
- Programmable working feed:	0.5 – 6.000 mm/1'
- Rapid feed:	20.000 mm
- Motor speed:	3.000 rpm
- Y-axis (vertical travel / column):	3.500 mm
- Programmable working feed rate:	0.5 – 6.000 mm/min
- Rapid feed:	20.000 mm
- Motor speed:	3.000 rpm
- Nominal motor torque:	42 Nm
- Z - W axis (spindle head):	
- Drill spindle diameter:	150 mm
- Axial stroke of drill spindle (Z):	1.200 mm
- Rapid traverse Z axis:	20.000 mm
- Drill spindle internal cone:	DIN 69871, ISO 50
- Drill spindle diameter:	254 mm
- Inner diameter of front spindle bearing:	200 mm
- RAM dimensions:	400 x 400 mm
- Axial stroke of drilling spindle (W):	1.000 mm
- Rapid traverse W axis:	15.000 mm
- Total axial stroke (Z+W):	2.200 mm
- Nominal torque spindle motor W and Z axis:	42 Nm
- Number of spindle gear stages:	2
- Spindle speed range: 6 :	3.500 rpm
- Spindle motor power:	60 kW

Technical data without liability. Subject to errors and prior sale

Clamping plate fields:

- Dimensions:	2 x 1.500 x 4.500 mm, 1 x 2.000 x 4.500 mm
- Load capacity:	15.000 kg/m ²
- Plate thickness:	300 mm
- T-slot dimensions:	28 H12, DIN 650 mm
- T-slot centre distance:	250 mm
- Surface finish:	DIN 876/III

Workpiece table (axis V1 - B1 / V2 - B2):

- Table dimensions:	2.000 x 3.000 mm
- T-slot dimensions:	28 mm ³
- Centre distance between T-slots:	180 mm
- Floor height of table top:	650 mm
- Load capacity:	40 t
- Longitudinal stroke (axis V1-V2):	2.000 mm
- Feed speed (axis V1-V2):	0.5 – 15.000 rpm
- Rapid traverse (axis V1-V2):	45.000 rpm
- Table rotation (axis B1-B2):	360° (degrees)
- Rapid feed (axis B1-B2):	0,0005 + 2 rpm
- Motor speed (axis B1-B2):	2.000 rpm
- Motor speed (axis V1-V2):	3.000 rpm
- Nominal motor torque (axis B1-B2 and V1-V2):	58 N

Tool rack magazine ATC 13-150 R 147

- Max. capacity of the magazine:	147 pcs.
- Max. tool weight:	35 kg
- Max. tool length:	700 mm
- Tool taper:	DIN 69871
- Tool change time:	28 sec.

Milling head with indexed vertical axes, model TTL 2 18 360

- Tool holder:	ISO 50, DIN 69871
- Max. spindle power:	18 to 214 kW
- Max. spindle speed:	2.500 rpm
- Transmission ratio:	1:1
- Spindle indexing +/- 90°:	181 positions per 1°
- Milling head indexing +/- 180°:	360 positions per 1°
- Max. torque at the spindle:	800 Nm

GENERAL DATA:

Power supply consumption:

- Connected load:	195 kVA
- Frequency:	50 +/- 1% Hz
- Operating voltage:	400 +/- 10% V
- Cabinet lighting voltage:	220 V
- Solenoid valve voltage:	24 DC V

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EQUIPMENT:

- CNC control: Heidenhain iTNC 530
- Electronic handwheel
- Chip conveyor (year of manufacture: 2023)
- CE marking
- Documentation