

CNC LATHE DOOSAN PUMA 400 LA



TECHNICAL DATA

Fanuc 21i-TB CNC

STRUCTURE

Cast iron tilted bed, 45° tilt

Prismatic guides and counterguides coated with anti-friction material

Weight (approximately): 10.500 kg

SPINDLE

Spindle nose: ASA A2-8

Standard 3-jaw hydraulic chuck, diameter 305 mm

Set of soft jaws and set of reversible hardened jaws

Continuously variable spindle rotation speed: 30-3.000 min⁻¹

Speed ranges with automatic change: 2

Spindle motor power (continuous/30 min⁻¹): 22/26 kW

Maximum power available starting at: 251 min⁻¹

Max. Spindle motor torque (cont./30 min.): 837/989 Nm

Front bearing diameter: 160 mm

Spindle bore diameter: 102 mm

Internal tie rod diameter: 91 mm

TRAVEL

X-axis travel: 362 mm

Z-axis travel: 2.155 mm

FEEDS

X/Z-axis rapid feeds: 16/18 m/min

X/Z-axis feeds in linear interpolation (max.): 500/500 mm/rev

X/Z-axis ball screw diameter: 40/50 mm

TURRET

Automatic bidirectional turret, with hydraulic locking

Turret stations: no. 12

Indexing time (1 station): 0.9 sec

Coupling disc diameter: 320 mm

Turning/boring tool size: 32 x 32 mm/Ø60 mm

TAILSTOCK

Tailstock body in cycle (via automatic coupling to the carriage)

Tailstock quill in cycle

Rotating tailstock incorporated in the quill, Morse taper 5 connection

Quill diameter/stroke: Ø120/120 mm

Thrust (pressure 40 bar): 1.456 kg

CAPACITY

Maximum rotating diameter on the bed: 770 mm

Maximum rotating diameter on the carriage: 590 mm

Maximum turning diameter on the bed: 550 mm

Maximum turning length between centers: 2.129 mm

Maximum turning diameter from bar: 90 mm

Maximum permissible overhanging weight (chuck weight: 55 kg): 400 kg

Maximum permissible weight using the tailstock (chuck weight: 55 kg): 1.600 kg

Equipment supplied

- Morari automatic steady rest, diam. 250
- Automatic lowering/rising tool presetting (with button and M code)
- Automatic high-pressure coolant system: 6 bar
- Coolant collection tank, capacity: 370 liters
- Chip conveyor with right-side outlet
- Hydraulic power unit with chiller for service supply
- Automatic lubrication system
- On-board electrical cabinet with heat exchanger
- 3-color alarm and end-of-cycle light
- Halogen work area lighting
- Transformer
- Installation equipment
- Toolbox with essential tools and spare parts (e.g., fuses)
- Instruction manual and test certificate
- CE declaration of conformity

Year of manufacturing: 2007