

Machine Name : Cylindrical grinder

Brand : Forever

Machine Model : G27

Stock No. : 4812820

Ex-factory Date : 2018



Main Technical Parameters:

Machining Capacity

Swing over bed: 270 mm

Distance between centers: 600 mm

Maximum workpiece weight between centers: 60 kg

Maximum workpiece weight on workhead only: 20 kg

Grinding Wheel Head and Feed

Grinding wheel head swivel angle: Left/Right 0°

Standard grinding wheel size: $\phi 405 \times 32-50 \times \phi 152.4$ mm

Grinding wheel spindle speed: 1650-1850 rpm

Travel distance: 250 mm

Rapid feed travel: Servo driven

Automatic feed: Servo driven

Handwheel feed (MPG): 1μ / 10μ / 100μ

Workhead

Spindle rotation mode: Live Center / Dead Center

Workhead swivel angle: 30°

Grinding wheel side rotation angle: 90°

Spindle speed: 30-450 rpm

Center taper: MT No.4

Spindle through-hole diameter: 25 mm

Tailstock

Quill travel: 32 mm

Center taper: MT No.4

Worktable

Worktable swivel angle:

Workhead side: 4°

Grinding wheel side: 9°

Handwheel feed (MPG): 1μ / 10μ / 100μ

Automatic feed speed: Max. 4000 mm/min

Motor

Grinding wheel spindle motor: 3.7 kW (5 HP $\times$ 4P)

Workhead spindle motor: 0.4 kW (1/2 HP $\times$ 2P)

Power circulation oil pump: 0.75 kW (1 HP × 4P)

Grinding wheel spindle lubrication pump: 0.1 kW (1/8 HP × 4P)

Coolant pump: 0.2 kW (1/4 HP × 4P)

Tank Capacity

Grinding wheel spindle lubrication oil tank: 30 L

Power circulation oil tank: 60 L

Coolant tank: 80 L

Machine Dimensions and Weight

Overall dimensions (L × W × H): 2700 × 1520 × 1650 mm

Net machine weight: 2200 kg

