

Machine Name : Surface grinder

Brand : Okamoto

Machine Model : PSG84DX

Stock No. : 4812789

Ex-factory Date : 2014



Main Technical Parameters:

Table size: 850 × 400 mm

Standard chuck size: 800 × 400 × 85 mm

Table load capacity (including magnetic chuck): 700 kg

T-slot (quantity × width): 17 × 3 mm

Longitudinal feed:

Maximum feed travel: 950 mm

Average longitudinal feed rate: 3–25 mm/min

Manual feed per revolution: 47 mm

Cross feed:

Maximum feed travel: 440 mm

Manual feed per revolution: 5.0 mm

Handwheel scale: 0.02 mm

Automatic feed:

Intermittent feed: 0.5–20 mm

Continuous feed: 0.2–1.0 m/min

Vertical feed:

Automatic plunge and cross feed: 0.0001–0.03 mm (15 levels)

Manual fine feed device: 0.0001 / 0.001 / 0.01 mm

Manual down feed per revolution: 0.01 / 0.1 / 1.0 mm

No-load grinding cycles: 0–5 times

Vertical rapid feed rate: 600 mm/min

Grinding wheel speed (50/60 Hz): 1500 / 1800 rpm

Motor power:

Spindle motor: 3.7 / 4 kW

Hydraulic pump: 2.2 / 4 kW

Vertical rapid & down feed: 0.4 kW (AC servo)

Total power requirement (magnetic chuck + cooling system): 11.0 kVA

Floor space: 3322 × 2211 × 2115 mm

Machine weight: 5000 kg

