

SPEC SHEET

PSG 612 SURFACE GRINDER

TORMACH.COM/PSG612

PSG 612[®]

PERSONAL SURFACE GRINDER



SPINDLE

Spindle Motor	Industrial-Grade 3/4 hp (.559 kW) TEFC Single-Phase Induction Motor
Wheel Size	7 in. × 1-1/4 in. × 1/2 in. (178 mm × 32 mm × 13 mm)
Wheel Speed	3450 RPM (@ 60 Hz), providing 6300 SFM (with 7 in. wheel) (1925 SMM (with 178 mm wheel))

POWER

Power Required	115 Vac single-phase, 15A breaker
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MACHINE SPECIFICATIONS

Table Size	6 in. × 12 in. (152 mm × 305 mm)
Longitudinal (X) Max Travel	13.75 in. (349 mm)
Crossfeed (Y) Max Travel	7.25 in. (184 mm)
Vertical (Z) Max Travel	8 in. (203 mm)
Space Required for Full Range of Motion	51 in.W × 66 in.H × 30 in.D (1295 mm W × 1676 mm H × 762 mm D)
Machine Weight	400 lbs. (181 kg)

FRAME

Frame and Table	Cast iron frame and table, with hand-scraped hydrodynamic dovetail slideways and tapered adjustment gibs
Way Surfaces	Low-friction PTFE-filled, Acetyl-bonded sliding surface. Similar to Rulon [®] and Turcite [®] .

FEATURES

2-Axis Automatic
4 Pattern Control
Longitudinal (X) and Crossfeed (Y) Speed Control

OPTIONAL ACCESSORIES

Belt Sander Attachment
Automatic Oiler

MOTION

Max Feed Rate	0-45 FPM (0-13.7 MPM) (X) 0-24 FPM (0-7.3 MPM) (Y)	
Axis Drivers (X, Y)	High-Performance Stepper Motors with Leadshine [®] Microstepping	
Locomotion	Longitudinal (X)	Rack and Pinion (automatic)
	Crossfeed (Y)	Leadscrew w/ anti-backlash nut (manual or automatic)
	Vertical (Z)	Leadscrew w/ anti-backlash nut (manual)