

Standard machine specifications

Stroke	X axis (column travel left/right)	4200 mm (165.35")
	Y axis (spindle head travel up/down)	1500 mm (59.06")
	Z axis (spindle travel forward/backward)	550 mm (21.65")
	A axis (tilting)	±110°
	C axis (rotating)	±360° (cont.)
	Distance from table top to spindle nose	50 - 600 mm (1.97" - 23.62")
Table	Size	4000 × 1600 mm (157.48" × 62.99")
	Maximum load	3000 kg (6614 lbs)
	Surface	112-M16 × 2 (5/8-11UNC)
Spindle	Max. speed	30000 min ⁻¹ (rpm)
	Output (cont. rating)	120 kW
	Max. torque (cont. rating)	42.4 N·m (31 ft·lbs)
Feedrate	X/Y/Z axis	35000/30000/30000 mm/min (1378/1181/1181 IPM)
	A/C axis	50/50 min ⁻¹ (rpm)
	Minimum indexing increment	0.0001°
Tool magazine/ automatic tool changer	Tool shank	HSK-A63/80mz**
	Max. tool diameter/length (from gauge line)/weight	ø75 mm/200 mm/5 kg (ø2.95"/7.87"/11.02 lbs)
	Tool storage capacity	60 tools
Electrical and air requirement	Electric power supply	277 kVA (cont. rating)
	Air requirement	1300 NL/min (45.9 ft ³ /min) 1500 NL/min (52.7 ft ³ /min) (with optional flood air blast, air through spindle and laser tool length measurement)
Machine size	Height	4598 mm (181.02")
	Floor space requirement	10314 × 9608 mm (406.06" × 378.27")
	Weight	70000 kg (154321 lbs)

** HSK-A63/80mz is Mazak original standard.