

## 2 SPECIFICATIONS

### 2.1 Machine Body Standard Specifications

	Descriptions	Unit	Specifications	Remarks	
Capacity	Swing over bed	mm (inch)	540 (21.25)		
	Distance between both centers	mm (inch)	750 (29.52)		
	Max.turning diameter	mm (inch)	350 (13.77)		
	Max.turning length	mm (inch)	730 (28.74)		
	Bed width	Across saddle slideway	mm (inch)	390 (15.35)	
		Across tailstock slideway	mm (inch)	280 (11.02)	
	Spindle center height	mm (inch)	1010 (39.76)		
Spindle	Nose type		JIS A2-8		
	Taper of hole		MT No.7		
	Front bearing diameter	mm (inch)	120 (4.72)		
	Hole diameter	mm (inch)	77 (3.03)		
	Support		Roller/angular Thrust Bearings		
Spindle drive	Number of spindle speed		Stepless		
	Spindle speed	rpm	35 ~ 3500		
	Spindle speed command method		Direct RPM programming Constant surface speed control		
	Spindle speed override	%	50 ~ 200	(stepless)	
Turret	Type		V12	Bi-directional short-cut indexing	
	Max.number of tools		12		
	Standard shank size	mm (inch)	□ 25 mm	□ 1 inch	
	Boring bar diameter	mm (inch)	40, 50	♂ 1 3/4 inch	

Descriptions		Unit	Specifications	Remarks	
Feed shaft	Travel	X-axis	mm (inch)	245 ( 9.65)	
		Z-axis	mm (inch)	750 (29.53)	
	Rapid traverse rate	X-axis	m/min	16	52.5 feet/min
		Z-axis	m/min	20	65.6 feet/min
	Feed range		mm/rev	F = 0.0001~500 (Max.F ≤ $\frac{15000}{R} \times \frac{100}{\alpha}$ )	R:Spindle speed $\alpha$ :Feed Rate Override
	Cutting feed override		%	0~150	(10% steps)
Tailstock	Tailstock quill		mm (inch)	φ 100 (φ 3.93)	
	Center bore			MT-5	
	Amount of quill movement		mm (inch)	120 (4.72)	(M-function)
	Thrust power		kgf (N)	175(1717)-675(6622)	386 - 1488 lbs
	Body drive system			Automatic	(M-function)
Electric equipment	NC unit type			FANUC OT	
	Main electric motor continuous 30 min. rating		kW	AC 18.5/22	
	Hydraulic pump motor		kW	AC 1.5 - 4 P	
	Way lubricating pump motor		kW	AC 0.025 - 4 P	
	Coolant pump motor		kW	AC 0.25 - 2 P	
	Fluorescent lamp for lighting			AC 220 V - 10 W×2	
	Total power consumption		kVA	35.7	
Dimensions	Floor space required	Width	mm (inch)	1920 ( 75.59)	
		Length	mm (inch)	2850 (112.20)	
	Overall machine height		mm (inch)	2040 ( 80.31)	
	App.machine weight		kg (lbs)	5000 (11000)	

Description and specification subject to change without notice.