

	Item	Unit	V40R/2SP-V40	V100R
Capacity	Max turning diameter	mm (in)	ø400 (15.75)	ø1,000 (39.37)
	Max swing diameter	mm (in)	ø500(19.69)	ø1,250 (49.21)
	Max turning length	mm (in)	450 (17.72)	890 (35.04)
	Max chuck size	mm (in)	ø450 (17.72)	ø1,010 (39.76)
	Max workpiece weight*1	kg (lb)	300 (660)	1,200 (2,640)
			400 kg/800 min <sup>-1</sup> *2	2,000 kg/200 min <sup>-1</sup> *2
Travel	X axis	mm (in)	265 (10.43)	565 (22.24)
	Z axis	mm (in)	450 (17.72)	890 (35.04)
Spindle	Speed	min <sup>-1</sup>	25 to 2,500	13 to 1,250
	Speed ranges		Infinitely variable	2 auto ranges (2 range motor coil switching)
	Type of nose		A2-8	Flat ø380 (ø14.96)
	Front bearing dia	mm (in)	ø120 (4.72)	ø200 (7.87)
	Bore dia	mm (in)	ø77 (3.03)	ø110 (4.33)
	Floor to spindle nose	mm (in)	960 (37.80)	1,170 (46.06)
	Spindle support		2-point roller bearing	
Turret	Turret type		V12	
	OD tool shank dimensions	mm (in)	□25 (1)	□32 (1-1/4)
	ID tool shank diameter	mm (in)	ø40, ø50 (1.57, 1.97)	ø40, ø50, ø63 (1.57, 1.97, 2.48)
Feed Axis	Rapid traverse	X axis	m/min (fpm)	24 (78.74)
		Z axis	m/min (fpm)	24 (78.74)
Motor	Spindle drive	OSP	kW (hp)	22/18.5 (30/25) (30 min/cont)
		FANUC	kW (hp)	22/18.5 (30/25) (30 min/cont)
Machine Size	Required floor space	mm (in)	1,705 × 2,788 (67 × 110)	2,735 × 3,445 (107 × 135)
	(width × depth)	(2SP-V40) mm (in)	2,970 × 2,738 (116 × 108)	—
	Machine height	mm (in)	3,040 (119)	OSP: 3,510 (138) FANUC: 3,565 (140)
	Machine weight	kg (lb)	7,200 (15,840)	14,000 (30,800)
		(2SP-V40) kg (lb)	14,000 (30,800)	—
CNC Control			OSP-P300LA, FANUC 31i-B	

\*1. With chuck \*2. Maximum workpiece load and spindle speed when spindle speed is restricted