

Machine Specifications

	Items	Unit	PROTEC-4N	PROTEC-5N
Capacity	Swing over bed	mm (in)	400 (15.7)	Ø 530 (20.9)
	Swing over carriage	mm (in)	225 (8.9)	Ø 300 (11.8)
	Max. turning diameter	mm (in)	400 (15.7)	Ø 530 (20.9)
	Distance between centers	mm (in)	750 (29.5) 1000 (39.4)	1000 (39.4) 1500 (59)
	Load capacity between centers	kg (lbs)	-	2000 (4410)
Spindle	Spindle bore	mm (in)	Ø 52 (2)	Ø 77 (3)
	Spindle nose	-	A2-6"	A1-8"
	Spindle center taper	-	MT#4	MT#4
	Spindle speeds	rpm	25~2500	7~1600
	Spindle speed range	-	(Gearless)	Manual 2-step
Tool Post	Type of tool post	-	H-4 (Curvic tool post)	Manual H-4 (Curvic tool post)
	Tool size	mm (in)	20 x 20 (0.8 x 0.8)	•25 (•1)
Travel	X-axis travel	mm (in)	260 (10.2)	342 (13.5)
	Z-axis travel	mm (in)	680 (26.8) 930 (36.6)	1055 (41.5) 1555 (61.2)
	X-axis rapid traverse	m/min	3 (120ipm)	3 (120ipm)
	Z-axis rapid traverse	m/min	6 (236ipm)	6 (236ipm)
Tailstock	Tailstock quill diameter	mm (in)	52 (2)	Ø 65 (2.5)
	Tailstock spindle taper	-	MT#4	MT#4
	Max. quill diameter	mm (in)	150 (5.9)	160 (6.3)
Bed	Bed width	mm (in)	300 (11.8)	370 (14.5)
	Bed length	mm (in)	1700 (67) 1950 (76.8)	2240 (88.2) 2740 (109.7)
Motor	Spindle motor (Cont./30 min)	kW (HP)	AC 5.5/7.5 (7.5/10)	AC 5.5/7.5 (7.5/10)
	X-axis servo motor	kW (HP)	AC 0.4 (0.5)	Nn/kW 3/0.3 (Torque/Power)
	Z-axis servo motor	kW (HP)	AC 0.9 (1.2)	Nm/kW 6/0.6 (Torque/Power)
	Machine weight	kg (lbs)	2000 (4410) 2200 (4850)	2500 (5500) 2870 (6230)
	CNC unit	-	FANUC 0i-T	FANUC 21i-T