

1.7.7 SPECIFICATIONS

Table 1-7: 6535 40T SPECIFICATIONS

6535/40T SPECIFICATIONS	6535/40T STANDARD	6535/40T METRIC
Table Size	74.8" x 26.5"	1,899mm x 673.1mm
Floor to Table	40.3"	1024mm
T-Slots (No. x Width x Span)	5 x .709" x 4.92"	5 x 18mm x 125mm
Cutting Feed Rate	.01-400 ipm (600 ipm @ 150%)	.25-10,160 mm/min (15,240 @ 150%)
Rapid Feed Rate (X/Y/Z)	900 ipm (X/Y) 700 ipm (Z)	30.5 m/min (X,Y) 17.8 m/min (Z)
Max. Weight on Table	4,250 lbs.	1,928 kg.
Axis Drive Motor (X/Y/Z)	AC 3,800 lbs peak thrust	AC, 16,903 N*thrust.
Ball Screw Size (X/Y/Z)	62.2mm Dia.	
Longitudinal (X Axis)	65"	1,651mm
Cross (Y Axis)	35"	889mm
Vertical (Z Axis)	34"	864mm
Spindle Nose to Table	5"-39"	127mm-991mm
Spindle Center to Column Ways	37.4"	950mm
Spindle Drive Motor	15HP (Constant) 24HP (Peak)	11Kw (Constant) 17.5Kw (Peak)
Torque	103 ft-lbs (Constant) 169 ft-lbs (Peak)	140Nm (Constant) 229 Nm (Peak)
Very High Torque Spindle	30 HP & 209 ft-lbs (Peak)	22.2 Kw & 283 Nm (Peak)
Accuracy, Axis Positioning	± .00016"	±.004mm
Accuracy, Axis Repeatability	± .00006"	±.0015mm
Glass Scales (X/Y/Z)	Optional	
Spindle Speed	10-10,000 rpm (15,000 Opt.),	
Spindle Orientation	Electromechanical	
Spindle Taper	No. 40	
ATC, Number of Tools	1.9 sec dual arm / 24 tools	
ATC, Tool Selection	Random, Bi-directional	
Max. Tool Diameter	Ø9.85"	Ø250mm
Max. Tool Length	15.75"	400mm
Max. Tool Weight	40 lbs.	18 kg
Machine Width and Depth	219" W x130" D	5.56m W x 3.3m D
Machine Maximum Height	133"	3.4m
Machine Weight	29,000 lbs.	6,169 kg
Air Pressure Reqs. (Momentary)	120 psi, 15 scfm	5.5 Bar
Power Reqs. (3-phase)	76A, 230VAC	
Cool Power System	Spindle, Ballscrews	
Ball Screw Supports (X/Y/Z)	dual	
No. of Ground Boxways per Axis (X/Y/Z)	2	