

ST-30SSY**SWING DIAMETER**

	S.A.E.	METRIC
Over Front Apron	31.75 "	806 mm
Over Cross Slide	20.75 "	527 mm
Over Tailstock	23.0 "	584 mm

CAPACITIES

	S.A.E.	METRIC
Chuck Size	10.0 "	254 mm
Max Cutting Diameter (varies with turret)	16.0 "	406 mm
Max Cutting Length (without workholding)	23 "	584 mm
Bar Capacity	3.0 "	76 mm

TRAVELS & FEEDRATES

	S.A.E.	METRIC
X Axis	12.5 "	318 mm
Y Axis	±2.0 "	±51 mm
Z Axis	23 "	584 mm
Rapids on X	472 in/min	12 m/min
Rapids on Y	472 in/min	12 m/min
Rapids on Z	1200 in/min	30.5 m/min
Max Thrust X	4100 lb	18238 N
Max Thrust Y	2300 lb	10231 N
Max Thrust Z	4050 lb	18015 N

SPINDLE

	S.A.E.	METRIC
Max Rating	30 hp	22 kW
Max Speed	4500 rpm	4500 rpm
Max Torque	275 ft-lb @ 600 rpm	373 Nm @ 600 rpm
Spindle Nose	A2-6	A2-6
Spindle Bore ø	3.50 "	88.9 mm

MAIN SPINDLE C AXIS

	S.A.E.	METRIC
Max Rating	5 hp	3.7 kW
Positioning (±)	0.01 °	0.01 °
Brake Clamp Force	1000 lb	4448 N
Brake Diameter	14.4 "	366 mm
Control Type	Interpolated Motion & Positioning	Interpolated Motion & Positioning

TURRET

	S.A.E.	METRIC
Number of Tools	24 Stations	24 Stations
OD vs ID Tools	Hybrid 12 BOT/12 VDI	Hybrid 12 BOT/12 VDI
Boring Bar Rear Clearance (from back of turret)	4.0 "	102 mm

LIVE TOOLING

	S.A.E.	METRIC
Max Speed	6000 rpm	6000 rpm
Tooling	VDI40	VDI40

GENERAL

	S.A.E.	METRIC
Air Required	4 scfm, 100 psi	113 L/min, 6.9 bar
Coolant Capacity	55 gal	208 L
Air Required	4 scfm, 100 psi	113 L/min, 6.9 bar
Coolant Capacity	55 gal	208 L