

ST-30Y**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)	18.0 "	457 mm
Max Cutting Length (without workholding)	23 "	584 mm
Bar Capacity	3.0 "	76 mm
Between Centers	30 "	762 mm

TRAVELS & FEEDRATES

	S.A.E.	METRIC
X Axis	12.5 "	318 mm
Y Axis	±2.00 "	±50.8 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	945 in/min	24.0 m/min
Max Thrust X	4100 lb	18238 N
Max Thrust Y	2300 lb	10231 N
Max Thrust Z	5100 lb	22686 N

SPINDLE

	S.A.E.	METRIC
Max Rating	30 hp	22.4 kW
Max Speed	3400 rpm	3400 rpm
Max Torque	300 ft-lb @ 500 rpm	407 Nm @ 500 rpm
Spindle Nose	A2-6	A2-6
Max Torque w/opt Gearbox	1000 ft-lb @150 rpm	1356 Nm @ 150 rpm
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	12 Stations	12 Stations
	Hybrid 6 BOT/6 VDI (will vary with turret style)	Hybrid 6 BOT/6 VDI (will vary with turret style)
OD vs ID Tools		
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

GENERAL

Air Required

Coolant Capacity

VDI40

S.A.E.

4 scfm, 100 psi

55 gal

VDI40

METRIC

113 L/min, 6.9 bar

208 L