

PCSAW530AX

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Capacity

Cutting Capacity	Round (Diameter)	1.18" – 20.87"	30 - 530 mm
	Rectangle (W x H)	20.87" x 20.87"	530 x 530 mm
Work Load Capacity		10,141 lbs.	4,600 kg.

Blade and Vise Operation

Saw Blade	Dimensions (L x T x W)	22'11" x 0.063" x 2-5/8"	7000 x 1.6 x 67 mm
	Blade Speed	49-394 ft./min, by Inverter	15-120 m/min, by Inverter
	Tension Control	Hydraulic	
Blade Control	Top Limit Setting	Automatic Setting with Quick Approach Feeler	
	Cutting Control	Windows Based CNC Control, Servo Motor with Ball Screw	
Vise Operation	Type	Main Split Vise and Rear Vise	
	Control	Hydraulic Full-Stroke Cylinder	

Motors

Motors	Saw Blade Motor	20 HP	15 kW
	Hydraulic Pump Motor	3 HP	2.2 kW
	Pulse Cutting Motor	1/8 HP	0.09 kW
	Wire Brush Motor	1/2 HP	0.2 kW
	Cutting Fluid Pump Motor	1/2 HP	0.25 kW

Power Requirements

Power Requirements	Power Supply Voltage	AC220V±10%, 3 PH, 60 Hz All Other Voltages Require Transformer
	Power Requirement	22 kVA

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Cutting Fluid and Hydraulic

Cutting Fluid	Tank Capacity	50.2 gal.	190 liters
	Pump Type	Centrifugal Electric Pump	
	Pump Capacity	5.3 gal/min	20 L/min
Hydraulic	Tank Capacity	7.34 gal.	28 liters
	Pump Type	Piston Pump	
	Pressure Setting	753.8 psi	5.3 MPa (53 kgf/cm ²)

Chip Disposal

Chip Disposal	Built-In Wide Scraper Style Chip Conveyor
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Material Index

Material Index	Index Mechanism	Shuttle Vise	
	Stroke	19.685"	500 mm
	Length	0.394"-393.70"	10-9999.9 mm
	Number of Input Block	1-99	
	Number of Input Station	1-99	
	Number of Cut-Off Pieces	1-9999	
	Remnant Length	3.94" plus length of parts	100 mm plus length of parts

Dimensions and Weight

Machine Dimensions (W x L x H)	Head Up Position	127.6" x 83.2" x 102.5"	3240 x 2113 x 2603 mm
	Head Down Position	127.6" x 83.2" x 102.5"	3240 x 2113 x 2603 mm
Table Height (Above Floor)		31.5"	800 mm
Machine Weight		12125 lbs.	5500 kg.

Specifications may change without notice at the sole discretion of Amada's Engineering Department.

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Machine Standard Features

3D Self-Adjusting Wire Brush
Blade Deviation Monitor
Inverter Blade Speed Change
Cutting Control by Servo Motor with Ball Screw
Cutting Fluid Level Detector
Motion Detector
Large Area Chip Conveyor
Windows Based CNC Controls
Auto Trim Cut Function
Full Stroke Vise
Quick Approach
Split Front Vise
Work Light
Back Gauge Stopper
Vibration Prevent Roller

Optional Accessories

Roller Table
Return Conveyor
External Chip Conveyor
Vise Pressure Control
Signal Tower
Vertical Clamps