

PCSAW430X

Capacity

Cutting Capacity	Round (Diameter)	1.18" – 16.93"	30 - 430 mm
	Rectangle (W x H)	16.93" x 16.93"	430 x 430 mm
Work Load Capacity		6613 lbs.	3000 kg.

Blade and Vise Operation

Saw Blade	Dimensions (L x T x W)	20' x 0.063" x 2"	6100 x 1.6 x 54 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, Hydraulic Flow Control Valve with Stepping Motor	
Vise Operation	Type	Main Split Vise and Rear Vise	
	Control	Hydraulic Full-Stroke Cylinder	

Motors

Motors	Saw Blade Motor	15 HP	11 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	17 kVA

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Cutting Fluid and Hydraulic

Cutting Fluid	Tank Capacity	47.3 gal.	179 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	597.4 psi	4.2 MPa (42 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	112.2" x 83.2" x 89.6"	2850 x 2113 x 2276 mm
	Head Down Position	112.2" x 83.2" x 79.6"	2850 x 2113 x 2023 mm
Table Height (Above Floor)		27.6"	700 mm
Machine Weight		10,361 lbs.	4700 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 Hydraulic Flow Control Valve with Stepping Motor

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