

**PCSAW430AX**

## Capacity

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

## Blade and Vise Operation

<b>Saw Blade</b>	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	
<b>Blade Control</b>	Top Limit Setting	Automatic Setting with Quick Approach Feeler	
	Cutting Control	Windows Based CNC Control, Servo Motor with Ball Screw	
<b>Vise Operation</b>	Type	Main Split Vise and Rear Vise	
	Control	Hydraulic Full-Stroke Cylinder	

## Motors

<b>Motors</b>	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	1/2HP	0.2 kW
	Cutting Fluid Pump Motor	1/2 HP	0.25 kW

## Power Requirements

<b>Power Requirements</b>	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

<b>Cutting Fluid</b>	Tank Capacity	47.3 gal.	179 liters
	Pump Type	Centrifugal Electric Pump	
	Pump Capacity	5.3 gal/min	20 L/min
<b>Hydraulic</b>	Tank Capacity	7.34 gal.	28 liters
	Pump Type	Piston Pump	
	Pressure Setting	597.4 psi	4.2 MPa (42 kgf/cm <sup>2</sup> )

Chip Disposal

<b>Chip Disposal</b>	Built-In Wide Scraper Style Chip Conveyor
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Material Index

<b>Material Index</b>	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

<b>Machine Dimensions (W x L x H)</b>	Head Up Position	112.2" x 83.2" x 100.0"	2850 x 2113 x 2285 mm
	Head Down Position	112.2" x 83.2" x 100.0"	2850 x 2113 x 2285 mm
<b>Table Height (Above Floor)</b>		27.6"	700 mm
<b>Machine Weight</b>		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 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