

PCSAW720

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Capacity

Cutting Capacity	Round (Diameter)	11.4" – 28.3"	290 - 720 mm
	Rectangle (W x H)	32.0" x 28.0"	815 x 715 mm
Work Load Capacity		17,640 lbs.	8,000 kg.

Blade and Vise Operation

Saw Blade	Dimensions (L x T x W)	27'3" x 0.063" x 2-5/8"	8300 x 1.6 x 67 mm
	Blade Speed	49-361 ft./min, by Inverter	15-110 m/min, by Inverter
	Tension Control	Hydraulic	
Blade Control	Top Limit Setting	Automatic Setting with Photo Sensor	
	Cutting Control	Windows Based CNC Control, Hydraulic Flow Control Valve with Stepping Motor	
Vise Operation	Type	Front and Rear Vise	
	Control	Hydraulic Full-Stroke Cylinder	

Motors

Motors	Saw Blade Motor	15 HP	11 kW
	Hydraulic Pump Motor	5 HP	3.7 kW
	Pulse Cutting Motor	1/8 HP	0.09 kW
	Cutting Fluid Pump Motor	1/2 HP	0.25 kW
	Wire Brush Motor	1/4 HP	0.2 kW

Power Requirements

Power Requirements	Power Supply Voltage	AC220V±10%, 3 PH, 60 Hz All Other Voltages Require Transformer
	Power Requirement	25 kVA

Cutting Fluid and Hydraulic

Cutting Fluid	Tank Capacity	52.8 gal.	200 liters
	Pump Type	Centrifugal Electric Pump	
	Pump Capacity	5.3 gal/min	20 L/min
Hydraulic	Tank Capacity	29.1 gal.	110 liters
	Pump Type	Piston Pump	
	Pressure Setting	783.7 psi	5.5 MPa (55 kgf/cm ²)

Chip Disposal

Chip Disposal	Chip Conveyor
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Material Index

Material Index	Index Mechanism	Shuttle Vise	
	Stroke	19.685"	500 mm
	Length	0.787"-393.70"	20-9999.9 mm
	Number of Input Block	1-99	
	Number of Input Station	1-99	
	Number of Cut-Off Pieces	1-9999	
	Remnant Length	1.57" plus length of parts or length of [work height x 1/3]	40 mm plus length of parts or length of [work height x 1/3]

Dimensions and Weight

Machine Dimensions (W x L x H)	Head Up Position	172.7" x 85.9" x 110.7"	4387 x 2181 x 2813 mm
	Head Down Position	172.7" x 85.9" x 108.9"	4387 x 2181 x 2765 mm
Table Height (Above Floor)		27.6"	700 mm
Machine Weight		17640 lbs.	8000 kg.

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

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Machine Standard Features

Blade Deviation Monitor

Inverter Blade Speed Change

Cutting Control by Hydraulic Flow Control Valve with Stepping Motor

Motion Detector

Windows Based CNC Controls

Auto Trim Cut Function

Full Stroke Vise

Quick Approach

Work Light

Vibration Prevent Roller

Optional Accessories

Signal Tower

Sub control Boxe

Free Roller Table

External Chip Conveyor