

# PC SAW 700



## Specifications

### Cutting Capacity

#### Single Cut

Round work (Diameter)	: Ø700mm (27.56 in.)*automatic cutting min. width 290 mm (11.42 in.)
Angular work (W X H)	: 800 x 700 mm (31.49 x 27.56 in.)

### Motors

Blade	: 18.5 kW (24.80 HP), 200V (50/60 Hz)
Hydraulic	: 3.7 kW (4.96 HP) x 4P, 200V (50/60 Hz)
Cutting fluid	: 0.37 kW (0.50 HP) x 2P, 200V (50/60 Hz)
Wire brush	: 0.09 kW (0.12 HP) x 4P, 200 V (50/60 Hz)
Housing	: 5.0 kW (6.71 HP), 200V (50/60 Hz)
Blade control	: 0.1 kW (0.13 HP), 200 V (50/60 Hz)

### Environment

Voltage	: AC 200 V:± 10% (50/60 Hz)
Capacity	: 50 kVA
Temperature	: In operation :0 to + 40°C Not in operation :-5 to + 50°C
Humidity	: In operation :30 to 90% Not in operation: 10 to 95% (No condensation)

### Control circuit voltage

AC 100V, DC 24V, 15V, 12V, 5V

### Blade

Size (W x T x L)	: 67 x 1.6 x 8300 mm (2.63 x 0.06 x 326.77 in.)
Speed	: 15 to 80 m/min (50 to 260 ft/min) (50/60 Hz)
Tension control	: Hydraulic (with Blade break slip detectors)

### Guide

Side	: Blade inserts 4 faces support
Back	: Back up tips

### Blade twisting angle

90°

### Vise

Type	: Single vise
Operation	: Hydraulic full stroke cylinder

### Cutting fluid

Tank capacity	: 140 L (36.98 U.S. gal)
Pump type	: Centrifugal pump
Pump capacity	: 100 L/min (26.4 U.S. gal/min) (50 Hz) 140 L/min (36.98 U.S. gal/min) (60 Hz)

## Hydraulic

Tank capacity	: 115 L (30.38 U.S. gal)
Pump type	: Variable delivery piston pump
Pump capacity	: 55 L/min (14.53 U.S. gal/min) (50 Hz) 66 L/min (17.44 U.S. gal/min) (60 Hz)
Setting pressure	: 5.5 MPa (55 kgf/cm <sup>2</sup> or 782.3 psi)

## Blade control

### UP

Auto	: Hydraulic automatic rise (auto stop)
Manual	: Inching up by pushbutton
Upper position setting	: Auto setting by inputting shape data

### DOWN

Auto	: Rapid down by quick approach device
Manual	: Inching down by pushbutton
Blade penetrating control	: Mechanical AC servo motor + ball screw
Blade slip detection	: Automatic shut down when overload, jamming, or blade break occurs.

## Work feed

Type (capacity)	: Hydraulic shuttle type vise clamping (maximum feed length 480mm (18.89 in.)/ stroke)
Remnant work length	: When the clamping allowance is 20mm (0.78 in.) the minimum remnant work length is 45mm (1.77 in.)

## Saw chips disposal

Chip conveyor (Hydraulic screw type)

## Longitudinal direction pulse cutting

Standard

## Penetrating direction pulse cutting

Standard

## Auto trim cut function

Standard

## Blade deviation monitor

Standard

## Sub control box

Standard

## Work light

Standard

## Cutting depth control

(measuring from table height as standard)

## Table height

700 mm (27.56 in.)

## Maximum allowable work load

8000 kg (17640 lb)(Machine main body)

## Machine size (W x D x H)

4701 x 2501 x 2859 mm (185.07 x 98.46 x 112.55 in)

## Machine mass

10000 kg (22050 lbs)

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



## Tru-Cut Tools (India) Pvt. Ltd.

1408, Dalamal Tower, 211, Nariman Point, Mumbai - 400021.  
Phone: (+91-22) 2202 0625 Fax: (+91-22) 2202 0626 Web:  
[www.trucut.co.in](http://www.trucut.co.in)

