

**HFA500**

7/11/2014, by Ichiro Hanada

## Capacity

<b>Cutting Capacity</b>	Round (Diameter)	1.18" - 20"	30 - 500 mm
	Rectangle (W x H)	20" x 20"	500 x 500 mm
<b>Work Load Capacity</b>		6615 lbs.	3500 kg.

## Blade and Vise Operation

<b>Saw Blade</b>	Dimensions (L x T x W)	17'5" x 0.050" x 1- 1/2"	5300 x 1.3 x 41 mm
	Blade Speed	50-393 ft./min, 60 Hz Inverter	15-120 m/min, 50/60 Hz Inverter
	Tension Control	Hydraulic	
<b>Blade Control</b>	Raised Position Setting	Automatic Setting with Quick Approach Feeler	
	Cutting Control	Hydraulic Pressure & Flow Control Valve	
<b>Vise Operation</b>	Type	Front and Rear Vise	
	Control	Hydraulic Full-Stroke Cylinder	

## Motors

<b>Motors</b>	Saw Blade Motor	7.5 HP	5.5 kW
	Hydraulic Pump Motor	2 HP	1.5 kW
	Cutting Fluid Pump Motor	1/4 HP	0.18 kW

## Power Requirements

<b>Power Requirements</b>	Power Supply Voltage	AC220V±10%, 3 PH., 60 Hz
	Power Requirement	21 kVA

## Cutting Fluid and Hydraulic

<b>Cutting Fluid</b>	Tank Capacity	18.5 gal.	70 liters
	Pump Type	Electric	
<b>Hydraulic</b>	Tank capacity	18.5 gal.	70 liters
	Pressure Setting	498 psi	3.4 MPa (35 kgf/cm <sup>2</sup> )

## Chip Disposal

<b>Chip Disposal</b>	Chip Conveyor
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## Material Feed

<b>Material Feed</b>	Feed Mechanism	Hydraulic Shuttle Type	
	Feed Stroke	23.6"	600mm
	Feed Length	0.39-999.999"	10-9999.9 mm
	Number of Input Station	1-99	
	Number of Cut Off Pieces	1-9999	
	Remnant Length	4.9" plus length of parts	125 mm plus length of parts

## Dimensions and Weight

<b>Machine Dimensions (W x L x H)</b>	Head Up Position	100.4" x 131.1" x 107.1"	2550 x 3330 x 2720 mm
	Head Down Position	100.4" x 131.1" x 67"	2550 x 3330 x 1700 mm
<b>Table Height (Above Floor)</b>		31.5"	800 mm
<b>Machine Weight</b>		7940 lbs.	3600 kg.

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

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**Machine Standard Features**

LCD Touch Screen  
Blade Deviation Monitor  
Chip Conveyor  
Full Stroke Vises  
Motion Detector  
Auto Trim Cut Function  
Pressure Flow Valve  
Self Diagnostics  
Variable Blade Speed Drive  
Wheel Cover Limit Switch  
Auto Trim Cut  
Quick Approach

**Optional Accessories**

Roller Table 6.5ft  
Vertical Clamps  
Vise Pressure Control

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