

DYNASAW430

Capacity

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

Blade and Vise Operation

| | | | |
|-----------------------|------------------------|---|------------------------------|
| Saw Blade | Dimensions (L x T x W) | 17'5" x 0.050" x 1-1/2" | 5300 x 1.3 x 41 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 | CNC Control, Hydraulic Flow Control Valve with Stepping Motor | |
| Vise Operation | Type | Front and Rear Vises | |
| | Control | Hydraulic Full-Stroke Cylinder | |

Motors

| | | | |
|---------------|--------------------------|--------|---------|
| Motors | Saw Blade Motor | 7.5 HP | 5.5 kW |
| | Hydraulic Pump Motor | 2 HP | 1.5 kW |
| | Wire Brush Motor | 1/8 HP | 0.09 kW |
| | Cutting Fluid Pump Motor | 1/4 HP | 0.18 kW |

Power Requirements

| | | |
|---------------------------|----------------------|---|
| Power Requirements | Power Supply Voltage | AC220V±10%, 3 PH, 60 Hz All Other Voltages Require Transformer |
| | Power Requirement | 13 kVA |

DYNASAW430

Cutting Fluid and Hydraulic

| | | | |
|----------------------|------------------|---------------------------|-----------------------------------|
| Cutting Fluid | Tank Capacity | 33 gal. | 125 liters |
| | Pump Type | Centrifugal Electric Pump | |
| | Pump Capacity | 2.6 gal/min | 10 L/min |
| Hydraulic | Tank Capacity | 5.3 gal. | 20 liters |
| | Pump Type | Vane Pump | |
| | Pressure Setting | 508 psi | 3.5 MPa (35 kgf/cm ²) |

Chip Disposal

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|----------------------|--|
| Chip Disposal | Automatic Hydraulic Screw-Type Chip Conveyor |
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Material Index

| | | | |
|-----------------------|--------------------------|----------------------------|----------------------------|
| Material Index | Index Mechanism | Shuttle Vise | |
| | Stroke | 27.559" | 700 mm |
| | Length | 0.394"-99.999" | 10-9999.9 mm |
| | Number of Input Block | 1-99 | |
| | Number of Input Station | 1-30 | |
| | Number of Cut-Off Pieces | 1-9999 | |
| | Remnant Length | 1.38" plus length of parts | 35 mm plus length of parts |

Dimensions and Weight

| | | | |
|---------------------------------------|--------------------|-----------------------|-----------------------|
| Machine Dimensions (W x L x H) | Head Up Position | 99.2" x 85.8" x 79.5" | 2520 x 2180 x 2020 mm |
| | Head Down Position | 99.2" x 85.8" x 79.5" | 2520 x 2180 x 2020 mm |
| Table Height (Above Floor) | | 27.6" | 700 mm |
| Machine Weight | | 7718 lbs. | 3500 kg. |

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

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Machine Standard Features

Self-Adjusting Wire Brush

Blade Deviation Monitor

Inverter Blade Speed Change

CNC Cutting Control by Hydraulic Flow Control Valve with Stepping Motor

Motion Detector

Auto Trim Cut Function

Full Stroke Vise

Quick Approach

Work Light

Vibration Prevent Roller

Chip Flusher

Burr Removal Through Uniquely Designed Table

Optional Accessories

Roller Table 6 ft

External Chip Conveyor

Vise Pressure Control

Signal Tower

Vertical Clamps