

HFA 250 & HFA 250W



Specifications

Cutting Capacity

Single cutting

Round work (Diameter)*	: 250 mm (9.84 in.)
Rectangular work (H X W)*	: 250 x 300 mm (9.84 x 11.81 in.) 250 x 270 mm (9.84 x 10.63 in.) when machine is equipped with optional runout detector
Stack cutting (H x W)	: 50 x 150mm (1.97 x 5.91 in.) to 150 x 150 mm (5.91 x 5.91 in.)

Motors

Saw blade motor	: HFA-250: 2.2 kW (3.0 HP), 4P : HFA-250W: 3.7 kW (5.0 HP), 4P
Hydraulic pump motor	: 0.75 kW (1.0 HP), 4P
Cutting fluid pump motor	: 0.18 kW (0.24 HP), 2P

Environment

Power source	: 3-phase, 400 VAC:± 10%, 50 Hz
Temperature	: Operating: 0 to 40°C (32 to 104°F) : Nonoperating: -5 to 50°C (23 to 122°F)
Humidity	: Operating: 30 to 90% : Nonoperating: 10 to 95% (noncondensing)

Control circuit voltage

AC 100V, DC 24 V, DC 12V

Saw Blade

Dimensions (W x T x L)	: HFA-250:25 x 0.95 x 3505 mm (1 in. x 0.037 in. x 11 ft 6 in.) : HFA-250W:32 x 1.066 x 3505 mm (1-1/4 in. x 0.042 in. x 11ft 6 in.)
Speed	: HFA-250: 20 to 80 m/min (66 to 262 fpm), stepless shift HFA-250W: 24 to 90 m/min (79 to 295 fpm), stepless shift
Tension control	: Hydraulic powered, with saw blade breakage and slip detection functions
Guide	
Side	: Insert 4-point support, bearing twist
Back	: Bearing, seesaw support

Vise operation

Hydraulic full-stroke cylinder

Cutting fluid

Tank capacity : 85 liters (22.4 US gal)
Pump type : Centrifugal pump
Pump capacity : 20 liters/min (5.3 US gal/min)

***When automatic operation is to be performed, work must be at least 30 mm (1.18 in.) in diameter or width.**

Hydraulic

Tank capacity : 30 liters (7.9 US gal)
Pump type : Variable-discharge vane pump
Pump capacity : 15 liters/min (3.9 US gal/min)
Pressure setting : 2.7 MPa (27 kgf/cm² or 384 psi)

Saw Blade control

UP

Automatic : Hydraulic automatic rise (automatic stop at upper limit)
Manual : Inching up by pushbutton operation
Rise height setting : Automatic setting with quick approach feeler

DOWN

Automatic : Rapid approach with quick approach feeler
Manual : Inching down by pushbutton operation
Depth-of-cut-control : Hydraulic pressure-flow control valve
Slip detection : Automatic stop at overload, jamming, or breakage

Work feed

Type (capacity) : Hydraulic shuttle type, maximum stroke length of 400 mm (15.75 in.), standby position selectable
Remnant length [for clamp clearance of 10mm (0.4 in.)] : Single cutting: 57 mm (2.24 in.)**
Stack cutting: 188 mm (7.40 in.)

Chip disposal

Chip conveyor (automatic hydraulic screw type)

Table height

700 mm (27.6 in.)

Saw blade twist angle

45°

Allowable loading mass on machine

1500 kg (3310 lb)

Machine dimensions (W x D x H)

2035 x 2370 x 1772 mm (80.1 x 93.3 x 69.8 in.)

Machine mass

Approx. 1500 kg (3310 lb)

**When the machine is equipped with an optional head-end positioning function, the remnant must be 150 mm (5.91 in.) or longer when work with a diameter or height of less than 12 mm (0.47 in.) is to be fed.

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



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