

HKA 400



Specifications

Cutting Capacity

Round work (Diameter)	: 320 mm (12.6 in.) with sawhead at 0° 200 mm (7.9 in.) with sawhead at 45° 100 mm (3.9 in.) with sawhead at 60°
Rectangular work (W X H)	: 400 x 280 mm (15.7 x 11 in.) with sawhead at 0° 200 x 280 mm (7.9 x 11 in.) with sawhead at 45° 100 x 280 mm (3.9 x 11 in.) with sawhead at 60°

Motors

Saw blade	: 2.2 kW (3 HP), 4P 200 V, 50/60 Hz
Hydraulic pump	: 0.75 kW (1 HP), 4P 200 V, 50/60 Hz
Cutting fluid pump	: 0.06 kW (0.08 HP), 2P 200 V, 50/60 Hz
Wire brush	: 0.04 kW (0.05 HP), 4P 200 V, 50/60 Hz

Environment

Supply voltage	: AC 200/220V ± 10%, 50/60 Hz
Temperature	: 0 to 40°C(32 to 104°F) during operation and -5 to +50°C(23 to 122°F) during stoppage
Humidity	: 30 to 90% during operation and 10 to 95% during stoppage (without condensation)

Control circuit voltage

DC 24 V

Saw Blade

Dimensions (W x T x L)	: 32 x 1.066 x 3885 mm (1-1/4 x 0.042 x 153 in.)
Speed	: 30 to 100 m/min (100 to 325 ft/min) (inverter variable speed change)
Tension control	: Manually-operated spring type (with saw blade breakage detection function)

Vise

Type	: One-piece vise
Operation	: Hydraulic control (full-stroke type)
Work absence detector	: Minimum detectable work width: 20 mm (0.8 in)

Cutting fluid

Tank capacity	: 40 liters (10.7 US gal)
Pump type	: Centrifugal
Pump capacity	: 45/52 liters/min (11.9/13.7 US gal/min) at 50/60 Hz

Hydraulic oil

Tank capacity	: 40 liters (10.7 US gal)
Pump type	: Variable-discharge vane
Pump capacity	: 10.4/12.5 liters/min (2.7/3.3 US gal/min) at 50/60 Hz
Set pressure	: 2.7 MPa (27 kgf/cm ² or 391 psi)

Saw Blade control

UP

Automatic	: Hydraulic automatic rise (automatic stop at upper limit)
Manual	: Inching up by pushbutton control
Raised position setting	: Automatic setting with quick approach

DOWN

Automatic	: Rapid approach by quick approach
Manual	: Inching down by pushbutton control
Feed control	: Hydraulic pressure-flow control valve
Slip detection	: Automatic stop at overload, jam, or breakage

Work feed

Type (capacity)	: Hydraulic shuttle
Remnant length	: 70 mm (2.8 in.) for cutting single piece of work (when clamp allowance is 10mm(0.4in.))

Chip collection

Chip box accumulation

Table height (above floor)

770 mm (30.3 in.)

Maximum allowable loading capacity

400 kg (880 lb)

Machine dimensions (W x D x H)

2140 x 2345 x 1865 mm (84.2 x 92.3 x 73.4 in.)

Machine weight

Approx. 1600 kg (3528 lb)

Automatic cut-to-length function

Number of input stations	: 1
Part length	: 25.0 to 999.9 mm in 0.1-mm increments (1 to 99.999 in. in 0.001-in. increments)
Number of parts	: 1 to 9999 per station
Kerf compensation	: Automatic kerf compensation (automatic calculation during long work feed)

*Never stack cut during automatic operation. Otherwise the front vise may improperly feed the work.

*When a radio is used around the machine, it may receive noise from the inverter of the machine. Contact AMADA for reducing this noise.

Power supply voltage

200V

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



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