

HKB 6050 CNC



Specifications

Automatic positioning

Maximum cut off length	: 99999.9 mm (999.999 in.) Maximum feed distance of rear vise is 2000 mm (78.7 in) per feed (when multi-vises are not used), 1870 mm (73.6 in.) per feed (when multi-vises are used). Maximum feed distance of front vise is 600 mm (23.6 in.) per feed
Minimum cut off length	: 30 mm (1.2 in.) Sawhead pauses at lower limit in case cutoff length is less than 30mm (1.2 in)
Remnant length	: 15 mm (0.6 in.) or more
Positioning accuracy	: ± 0.2 mm (± 0.008 in.) per feed of rear vise or front vise
Minimum work length	: 400 mm (15.7 in.) when work headend positioning is to be performed
Minimum end trimming length	: 25 mm (1.0 in.)

Input settings

Cut off length	: 10.0 to 99999.9 mm (in 0.1-mm increments) (0.394 to 999.999 in. (in 0.001-in. increments)) Automatic positioning cannot be performed when cutoff length is less than 30 mm (1.2 in.).
Quantity of pieces to be cut	: 1 to 999 (per station)
Maximum number of blocks	: 30
Maximum number of station	: 10 per (block)

Minimum clampable height

of multi-vises
50 mm (2.0 in.)

Cutting capacity

Maximum work size (W X H)	: 600 x 500 mm (23.6 x 19.7 in.)
Maximum work size (W X H)	: 25 x 25 mm (1.0 x 1.0in.) Automatic positioning cannot be performed when work height is less than 25 mm (1.0in.)

One work piece size

in stack cutting operation

Minimum OD or width	: 25mm (1.0 in.)
Minimum wall thickness	: 1mm (0.04 in.)

Motors

Saw blade	: 5,5 KW(7.4 HP), 4 P, 200 VAC, 50/60 Hz
Hydraulic pump	: 1.5 kW (2.0 HP), 4 P, 200 VAC, 50/60Hz
Cutting fluid pump	: 0.18kW (0.24 HP), 4 P, 200 VAC, 50/60 Hz
Wire brush	: 0.04 kW (0.054 HP), 4 P, 200 VAC, 50/60 Hz
Rear vise	: 2.2 kW (3.0 HP), 4 P, 200 VAC, 50/60 Hz

Power source

Voltage and frequency	: 200/220 VAC \pm 10%, 50/60 Hz
Apparent power	: 11 kVA

Saw Blade

Dimensions (W x T x L)	: 54 x 1.3 x 5890 mm (2-1/8 x 0.051 x 232 in.), 54 x 1.6 x 5890 mm (2-1/8 x 0.063 x 232 in)
Tooth set	: Straight
Running speed	: 15 to 100 m/min (50 to 325 ft/min)
Tension controller	: Hydraulic

Tanks

Hydraulic oil tank	: 46 liters.(12.2 US gal)
Cutting fluid tank	: 145 liters (38.3 US gal)

Automatic set ups

Sawhead rising height	: Upper limit of sawhead is automatically set with quick approach feeler.
Movable saw blade guide	: Automatically set at opening width of main vise.

Table height

730 mm (28.8 in.), divided into 3 sections: Machine: 710 mm(28.0 in) Base plate: 12 mm (0.5 in) Shim: 8 mm (0.3 in.)

Maximum loading mass

4500 kg (750 kg/m) (9920lb (5420 lb/ft))

Maximum dimensions (W x D x H)

3583* x 5742 x 2330 mm (141.1* x 226.1 x 91.7 in)
*4312 mm (169.8 in.) when doors in left-hand entry prevention fence are open.

Machine mass

6900 kg (15220 lb), divided into 3 units and others.
Bandsaw:3100 kg (6840 lb)
Rear vise unit: 2100 kg (4630 lb)
Front vise unit: 1500 kg (3310 lb) others: 200 kg (440 lb)

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



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