

VM 3800



Specifications

Cutting capacity

	Standard model			Optional models		
Throat (width), mm (in.)	800 (31.5)	←	←	←	←	←
Height , mm (in.)	300 (11.8)	600 (23.6)	800 (31.5)	300 (11.8)	600 (23.6)	800 (31.5)
Length , mm (in.)	3800 (149.6)	3800 (149.6)	3800 (149.6)	6500 (255.9)	6500 (255.9)	6500 (255.9)

Saw blade

	Standard model			Optional models		
Width, mm (in.)	54 (2.0)	←	←	←	←	←
Thickness , mm (in.)	1.6 (0.063)	←	←	←	←	←
Length , mm (in.)	5830 (229.5)	6430 (253.1)	6830 (268.9)	5830 (229.5)	6430 (253.1)	6830 (268.9)
Speed, m/min (ft/min)	: Stepless speed change from 10 to 80 (33 to 262) at 50 Hz and from 12 to 80 (39 to 262) at 60 Hz					
Tension	: Automatic hydraulic tension control					

Saw blade guide

Side	: Cemented carbide insert and hydraulic clamp
Back	: Cemented carbide backup tips

Table

Main table width, mm (in.) : 1020 (40.2)
 Sub-table width, mm (in.) : 780 (30.7)

Standard model

Length, mm (in.) : 4250 (167.3)
 Stroke, mm (in.) : 3850 (151.6)
 Allowable loading capacity kg(lb) : 12000 (26460),
 3000 kg/m (2000 lb/ft)
 Height from floor, mm (in.) : 1410 (55.5)
 T-slot, mm (in.) : 16 (0.63) (for M14)
 Feed control : AC servo motor

Optional models

6950 (273.6)
 6550 (257.9)
 24000 (52920)

Cutting fluid

Tank capacity, L(gal) : 180 (47.6)
 Pump type : Centrifugal immersion type

Hydraulic system

Tank capacity, L(gal) : 32 (9.2)
 Pump capacity : 12.5 L/min (3.3 gal/min)
 at 50 Hz,
 15 L/min (4.0 gal/min)
 at 60 Hz
 Set pressure : 5.5 MPa (782.4 psi)

Chip disposal

Automatic hydraulic screw-type chip conveyor

Control circuit voltage

AC 100 V, DC 24 V

Motors

Saw blade motor : 7.5 kW (10 HP) x 4 P
 x 200 V, 50/60 Hz
 Hydraulic pump motor : 1.5 kW (2 HP) x 4 P
 x 200 V, 50/60 Hz
 Cutting fluid pump motor : 0.18 kW (0.24 HP) x
 2 P x 200 V, 50/60 Hz
 Table feed motor : 0.75 kW (1 HP) x
 200 V, 50/60 Hz
 Saw blade speed change : 40 W (0.05 HP) x 4 P
 x 200 V, 50/60 Hz

Machine dimensions

Width, mm (in.) : 2624 (103.3)

Standard model

Optional models

Length, mm (in.) : 8212 (323.3) : 13612 (535.9)

Height , mm (in.)	Standard model			Optional models		
	3175 (125.0)	3475 (136.8)	3675 (144.7)	3175 (125.0)	3475 (136.8)	3675 (144.7)

Machine mass Kg (lb)

10000 (22050) : 16000 (35280)

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



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