

SA 142 Series Automatic Miter Saw



3 models to choose from:

SA 142/35	Automatic saw with 4 kW (5.4 hp) motor, pneumatic profile clamping, pneumatic profile indexing, and
SA 142/37	Automatic saw with 5.5 kW (7.3 hp) motor, pneumatic profile clamping, pneumatic profile indexing, and hydro-pneumatic blade feed
SA 142/38	Automatic saw with 5.5 kW (7.3 hp) motor, pneumatic profile clamping, pneumatic profile indexing, hydro-pneumatic blade feed, and table separation to move the profile away from the saw blade as the blade retracts. 90° cutting only.

- Suitable for high-volume cutting of aluminum profiles for window manufacturing and industrial applications
- Profile lifting systems on both support and back fence surfaces protect work piece surfaces during feed (cycle) operations
- One, two or three-stroke feed can be selected using a selector switch
- Angled cuts of up to 45° are possible by tilting the saw unit (option)
- Large cutting capacity for wide profile sections
- Equipped with saw blade as standard
- Digital length display as standard
- Spray mist blade lubrication
- One (1) year limited warranty

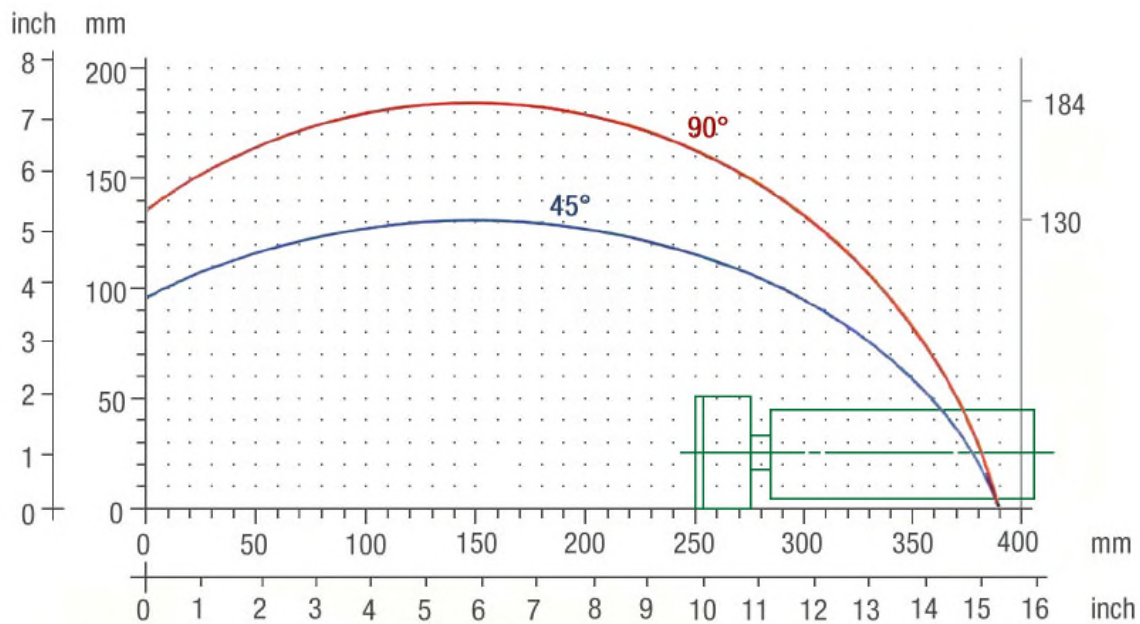
Technical specifications

- Tilting range: 90° - 45° continuously adjustable (SA 142/35 and SA 142/37; no tilting for SA 142/38)
- Feed distance per cycle: 5 – 600 mm (0.2 - 23.6 in.) (up to 3 cycles possible)
- Table separation after cut to protect cut surfaces (SA 142/38)
- Hydro-pneumatic blade feed
- Maximum profile weight: 60 kg (132 lb.); 20 kg/m (13.4 lb./ft.)
- For cutting range, refer to the cutting diagram on the following page
- Saw blade diameter: 500 mm (19.6 in.)
- Saw blade speed: 3,400 rpm
- Power supply: 240/480 V, 3 phase, 60 Hz (contact elumatec North America for other voltages)
- Power output: 4 kW (5.3 hp) (SA 142/35) 5.5 kW (7.3 hp) (SA 142/37 and SA 142/38)
- Compressed air supply: 7 bar (100 psi)
- Air consumption per working cycle: 64 l (2.3 cubic feet) with pneumatic clamps and spray mist blade lubrication
- Width: 2,850 mm (112.2 in.), depth: 1,400 mm (55.1 in.), height: 1,580 mm (62.2 in.), weight: 770 kg (1,697 lb.)
- Working table height: 980 mm (38.6 in.)

Available Options for the SA 142

- Length stop and measuring systems
- Chip extraction units
- Roller conveyors
- Saw blades
- High performance cutting fluid
- Clamping method for multi-part clamping
- Clamping method for parts smaller than 5 mm
- Other options available: contact elumatec North America for details

SA 142 Cutting Diagram



Notes:

1. 45° cutting not available on SA 142/38 saws
2. Capacities can vary depending on the clamping used
3. Please consult elumatec North America for sizes outside the dimensions shown above