

SAS 142/42

Automatic Miter Saw



- SPS control (display) of the following parameters:
 - ◆ 2-axis control of saw blade speed and incremental material infeed
 - ◆ Profile based parameters (blade speed, blade feed speed, cutting height, and material infeed speed) can be memorized for each profile
 - ◆ Variable cut lengths can be programmed for each profile
 - ◆ Height of cut (to maximum shown on the cutting diagram)
 - ◆ Table separation at the end of each cut (90° cuts only)
 - ◆ Automatic shutoff when the end of the profile has been reached
- Inch or Metric units (specify with order)
- Variable saw blade speed with electronic motor brake
- Infinitely adjustable blade feed speed (servo controlled)
- Vertical and horizontal pneumatic clamping
- Material is protected from damage by a single-stage lifting system on the support table and back fence
- Spray mist blade lubrication with low level warning
- One (1) year limited warranty

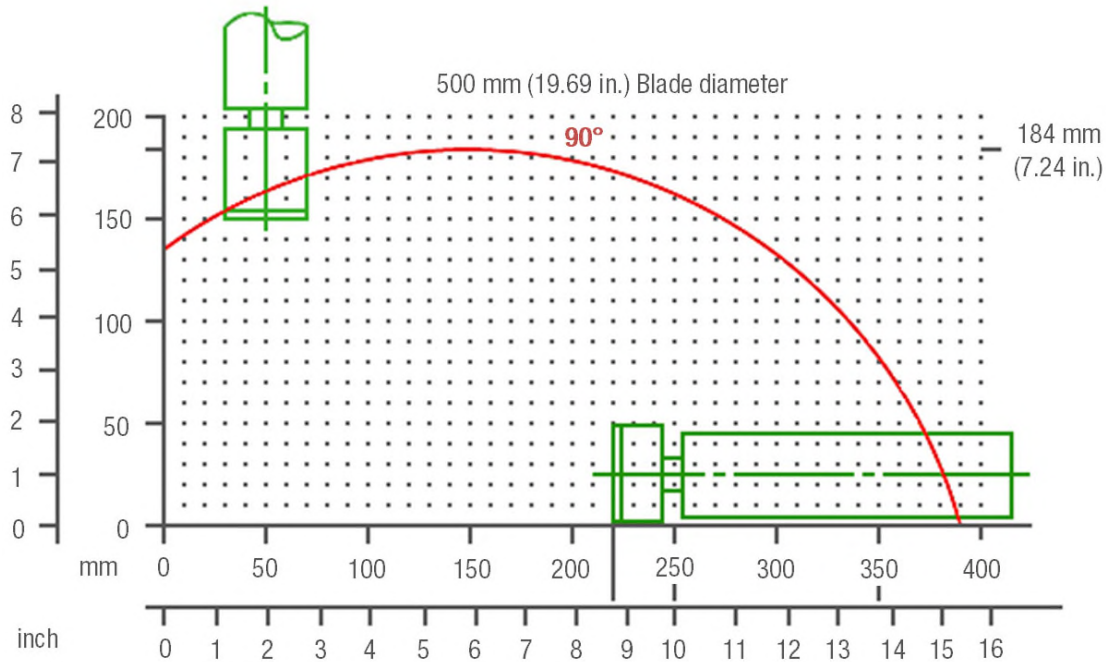
Technical specifications

- Tilting range: 90° - 45° continuously adjustable (option)
- Feed distance per cycle: 5 - 780 mm (0.2 - 30.7 in.)
- Table separation after cut to protect cut surfaces
- Maximum profile weight: 150 kg (330 lb.); 20 kg/m (13.4 lb./ft.)
- Standard length tolerance: ± 0.1 mm (0.004 in.) per carriage feed
- 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: 5.5 kW (7.3 hp)
- Compressed air supply: 7 bar (100 psi)
- Air consumption per working cycle: 54 l (1.9 cubic feet)
- Width: 2,850 mm (112.2 in.), depth: 1,500 mm (59.1 in.), height: 1,760 mm (69.3 in.), weight: 770 kg (1,697 lb.)
- Working table height: 990 mm (38.9 in.)

Available Options for the SAS 142/42

- Length stop and measuring systems
- Chip extraction units
- Roller conveyors
- Saw blades
- High performance cutting fluid
- Other options available: contact elumatec North America for details

SAS 142/42 Cutting Diagram



Notes:

1. Capacities can vary depending on the clamping used
2. Please consult elumatec North America for sizes outside the dimensions shown above