

SEDGWICK MB PLANER THICKNESSER



Construction

The Sedgwick MB308 planer thicknesser is designed and built for precision, long life, and minimum maintenance. Its rigid mainframe assembly gives exceptional stability, and accurately houses the feed and cutter block bearings, and the infeed and thickening tables.

The Cutter block

A large diameter four knife TERSA cutter block provides improved finish and runs in 'sealed for life' bearings for minimum maintenance.

Driving the cutter block is an industrial motor via two heavy section vee belts which, combined with the centrifugal force of the large diameter block, provides ample power.

Surface Planing

The cast infeed table (which on the MB/CP planer has increased length for accurate surfacing) rises and falls in square gibs for long term accuracy and is fitted with a rule showing depth of cut. A generously proportioned cast iron fence is then mounted off the table on a cast iron bracket. The fence can be tilted between 90° – 45° making it suitable for bevel work and chamfering and is easily returned to 90° via a positive stop. Adjustable shaw guards are also supplied.

Thickening

For long term accuracy, and to avoid time consuming mode changes, the surfacing tables remain in place when thickening, utilising instead a dual function chip collection hood.

The thickening table is again cast iron and is mounted on a large diameter precision ground pillar to ensure precise and parallel positioning, with an off-centre lock for added rigidity. The MB/CPs thickening table is fitted with extension rollers, which run in self-lubricating bushes. Large diameter steel feed rollers (one spiral-fluted the other rubber coated) are driven by an industrial geared unit, which on three phase machines has two speeds. The feed rollers run in self-lubricating bushes and are driven from the geared unit by a heavy-duty chain for efficient and constant feeding of demanding production work and difficult stock.

Safety Features

The drive assembly is totally enclosed by the rear machine guard, removal of which provides easy access to the motor drive assembly for any necessary maintenance. The cutter block is guarded at the rear by a fixed guard attached to the fence, and at the front by a bridge type guard.

Technical Specification

SURFACE CAPACITY	308mm
THICKENING WIDTH	308mm
THICKENING DEPTH	230mm
SURFACE TABLE LENGTH	1500mm
INFEED TABLE LENGTH	850mm
SURFACE TABLE HEIGHT	900mm
THICKENING TABLE LENGTH	600mm
TABLE LENGTH OVER EXTN ROLLERS	1000mm
CUTTERBLOCK DIAMETER	102mm
CUTTERBLOCK KNIVES	4 TERSA
CUTTERBLOCK SPEED	4000rpm
FEED ROLLER DIAMETER	51mm
FEED SPEEDS	3 PHASE 4.5 & 7 m/min 1 PHASE 6 m/min
FENCE SIZE	750x120mm
TILTING ANGLE OF FENCE	0°-45°
CHIP EXTRACTION OUTLET DIAMETER	125mm
VOLTAGE / FREQUENCY	3 PHASE + EARTH 400/230V – 50/60 Hz 1 PHASE + EARTH 230V / 50/60 Hz
CUTTERBLOCK MOTOR RATING	3 PHASE 3.0Kw 1 PHASE 3.0Kw
FEED MOTOR RATING	0.375Kw
MOTOR FULL LOAD CURRENT IN AMPS	3PH C'BLOCK 6.5A 1PH C'BLOCK 14.6A 3PH FEED 1.5/1.3A 1PH FEED 2.8A
STARTING CURRENT IN AMPS	3 PHASE 39A 1 PHASE 87.6A
REQUIRED FUSE SIZE IN AMPS	3 PHASE 20A/ph 1 PHASE 40A
REQUIRED CABLE SIZE	3 PHASE 2.5mm

	1 PHASE 40A
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