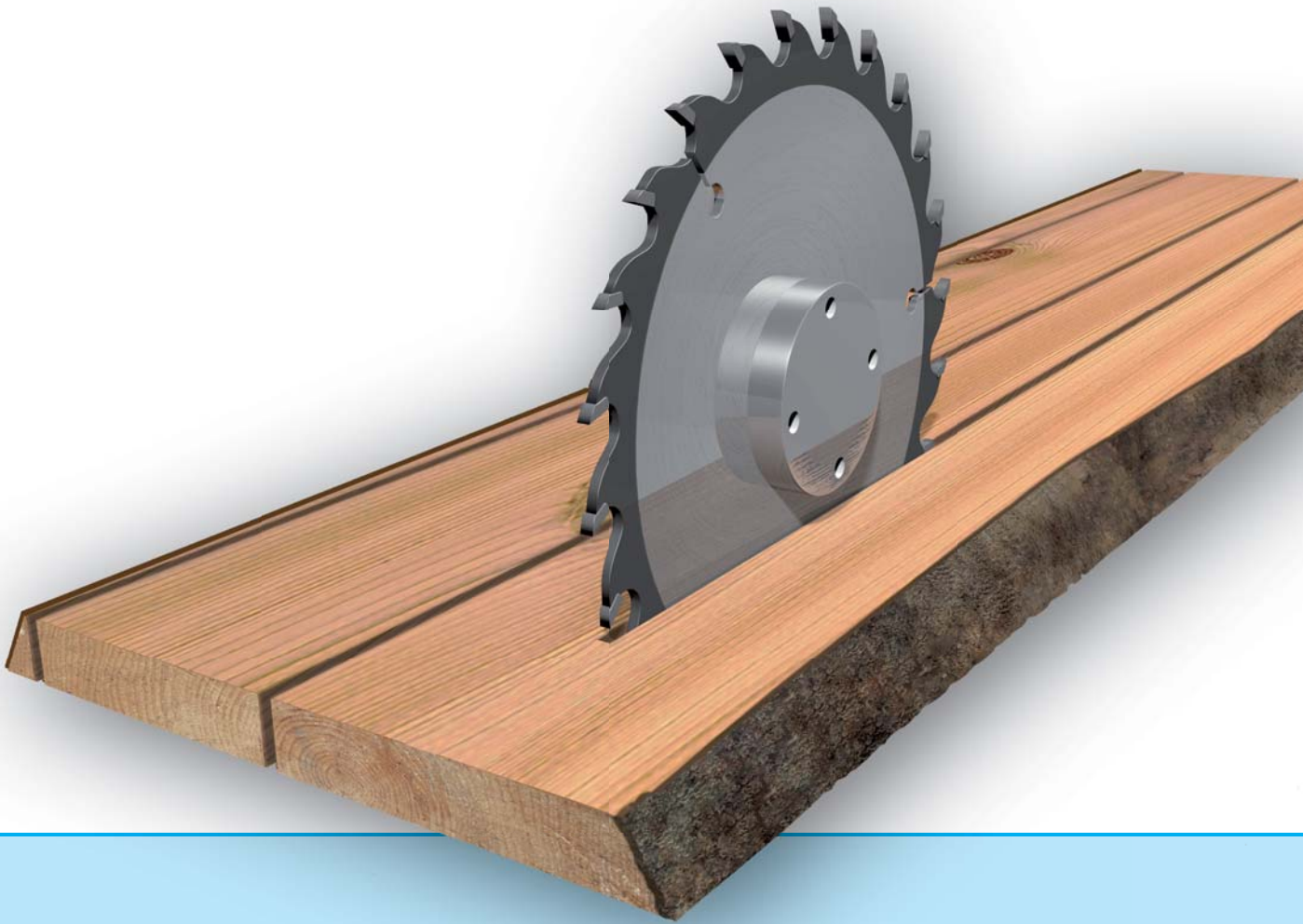
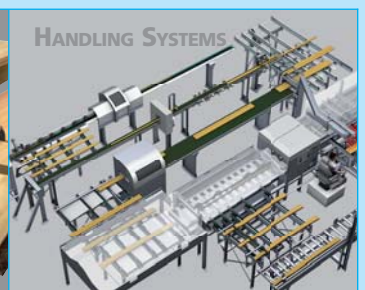
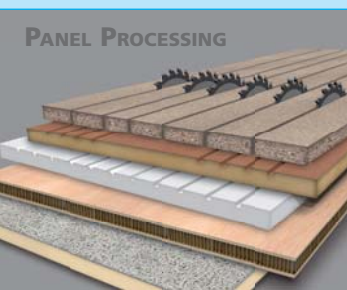


■ made
■ in
■ Germany

Paul
Maschinenfabrik GmbH & Co. KG



Flexible Ripsaw Series CGL



SELECTIVE RIPPING WITH HIGHEST CUTTING QUALITY

The CGL Ripsaw featuring an overhead saw shaft has been developed for the variable ripping of solid wood. Sawing with the feed, the CGL achieves first-class cutting edges, optimal strip width accuracy and minimal kerf loss. Maximum flexibility is provided by specifically developed telescopic saw bushes that are capable of moving together to a minimum width of only 18 mm.

Fig. 1: CGL Ripsaw



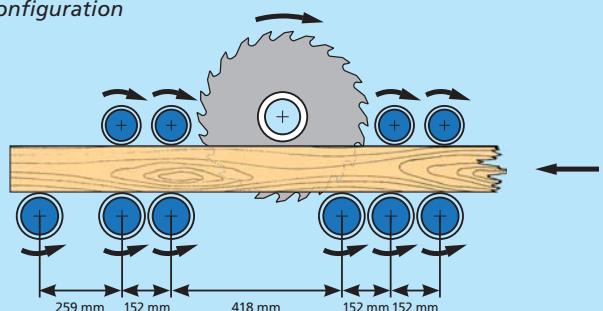
▶ DESIGN FEATURES

- Convenient tool change thanks to ease of access to the overhead saw shaft
- Completely enclosed with integrated dust and sound proofing
- Max. driving power 132 kW
- Max. six bottom and four top feed rollers guarantee accurate timber guidance
- Independently pressure-loaded spiral-fluted top rollers ensure smooth workpiece feed with minimum wear
- Polyurethane-cushioned steel segments compensate for uneven workpieces
- Adjustable top roller pressure
- Quick positioning of up to four moving saw bushes and two splitting wedges
- Wide range of control systems
- Saw shaft with optional vertical adjustment

▶ BENEFITS OF CLIMB-CUTTING TECHNIQUE

- Reduces down-time and tool wear caused by jamming of edgings or slabs
- Optimum cutting quality
- Minimal saw kerfs for optimized yield at maximum timber thickness
- Longer tool life
- Lower power consumption
- Safety at work due to the elimination of the kickback risk

Fig. 2: Feed roller configuration





FEEDING OPTIONS

The CGL can be loaded manually or in combination with an automatic PAUL infeed system (POWER_RIP) allowing another appreciable increase in output, yield and accuracy

and reducing production costs per workpiece.

The CGL can, of course, also be combined with an automatic offcut

separator and various other handling components from PAUL, such as destackers, transfer systems to cross-cut systems and many more.



Fig. 3: Automatic ripping line of the POWER_RIP family with AB920, CGL and offcut separator



CONTROLS

MAXIRIP and OPTIRIP for maximization and optimization of timber yield:

- Programming of ripping patterns
- Programming of fixed widths
- Programming of fixed set-ups on multi-saw bushes
- Width optimization (in conjunction with width measurement)
- Diagnostic software
- Network capability
- Scanner connection (option)
- Robust casing
- Operating terminal freely movable on a cantilever arm (option)
- Industry 4.0 ready
- Other options



Fig. 4: OPTIRIP operating terminal with touch panel

TECHNICAL DATA

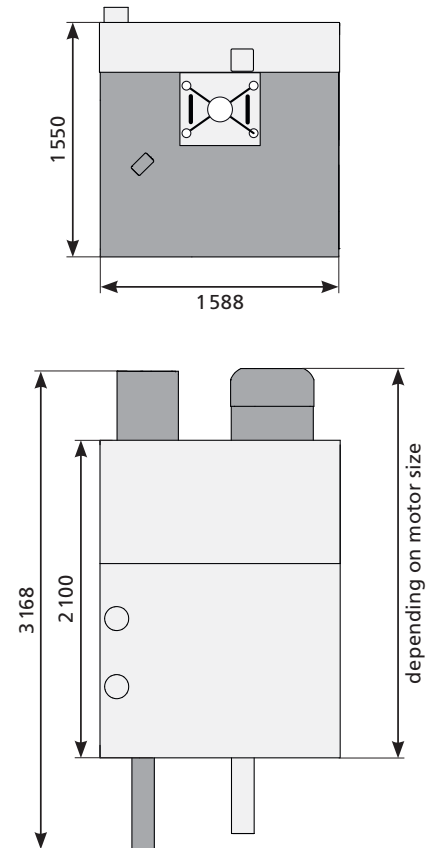
		CGL-1105	CGL-1110	
Max. cutting height	[mm]	50	100	
Opening width	[mm]	1 100	1 100	
Min. workpiece length	[mm]	730	730	
Max. driving power	[kW]	132	132	
Max. feed speed	[m/min]	160	160	
Powered feed rollers		10	10	
Speed of saw shaft	[rpm]	3 750	3 750	
Sound pressure level ¹⁾²⁾ no load/operation	[dB(A)]	?	?	
Sound power level ²⁾ no load/operation	[dB(A)]	?	?	
Saw blade diameter	[mm]	350	430	
Movable saw bushes, max.		4	4	
Movable splitting wedges, max.		2	2	
Dimensions	L	[mm]	1 588	1 588
incl. positioning devices	W	[mm]	3 168	3 168
	H	[mm]	1 550	1 550
Weight ³⁾		[kg]	3 500	3 500

1) At the workplace

2) Depending on saw blades

3) Depending on configuration, without motor

Fig. 5: Dimensions (mm) of a CGL with positioning devices, right-hand design



RIPPING PATTERNS

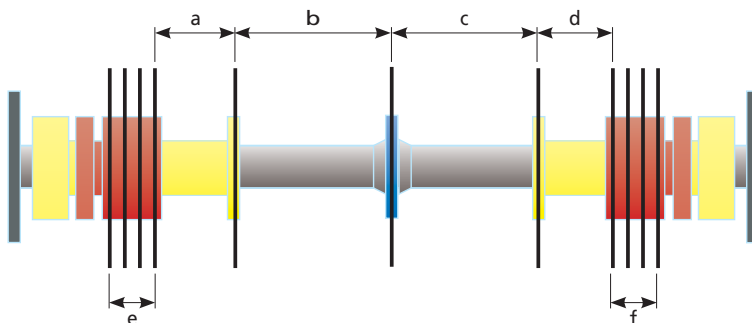


Fig. 6: Example of telescopic saw bushes with maximum moving ranges

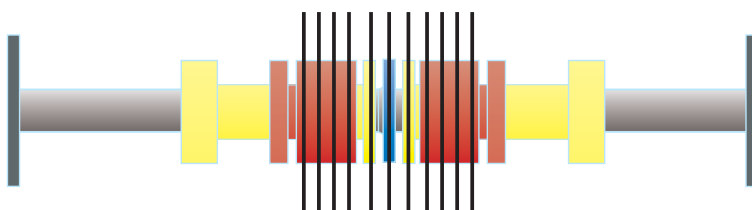


Fig. 7: Example of telescopic saw bushes with minimum moving ranges

CGL-1105/CGL-1110	
Moving range a	18 - 160 mm
Moving range b	18 - 235 mm
Moving range c	18 - 235 mm
Moving range d	18 - 160 mm
Usable clamping length e	65 mm
Usable clamping length f	65 mm

Example of a saw bush configuration