

**mafelli**



Cordless  
cross-cutting system  
KSS 40 18M bi

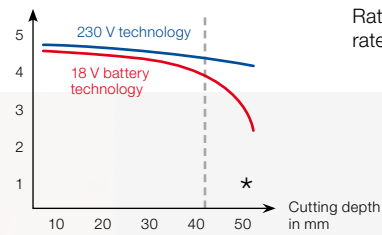
# Take your saw, get set, go – with the cordless cross-cutting system KSS 40 18M bl.

## 40 MM CUTTING DEPTH – PURE MAFELL QUALITY



With cutting depths of up to 42 mm, the new KSS 40 18M bl covers up to 80 percent of the applications arising on building sites and ensures clean cuts – with the accustomed high MAFELL performance.

Feedrate in cm/s



Ratio of cutting depth to feed-rate for cross-cutting systems

\*Source: MAFELL 07/15

## BRUSHLESS MOTOR

The new, compact brushless motor is extremely durable, efficient and maintenance-free. Thanks to its optimized efficiency, it ensures ideal battery capacity utilization and allows work to progress rapidly.



**We have not reinvented cross-cutting - but we have made it easier and more portable. And with the new KSS 40 18M bl, we have even added a battery: one that delivers what it promises - innovative battery technology for maximum performance.**

#### **WEIGHT AND HANDLING BENEFITS**



Thanks to its low weight and cordless operation afforded by state-of-the-art battery technology, the new KSS 40 18M bl is extremely easy and convenient to use.

#### **FIVE SAWS - ONE SYSTEM**



The KSS 40 18M bl offers all benefits of five saws in a single case since it can be used as a cross-cut saw, plunge-cut saw, shadow gap saw and portable circular saw with or without the Flexi-Guide. So, wherever you are, you always have the perfect, portable saw at your fingertips in a matter of seconds.





# Gets the job done, from floor to ceiling: the KSS 40 18M bl.

## CROSS-CUTTING

### It couldn't be simpler:

With the KSS 40 18M bl cross-cutting system, the portable circular saw is permanently attached to the guide track, thus forming an integral sawing unit. One fixed and one adjustable stop allow the saw to be used for angle cuts from  $-45^\circ$  to  $60^\circ$ . You simply push the saw against the work with the two stops on the underside of the track, operate the saw, and the job's done. The track automatically adopts the starting position once the cut has been executed.



## SAWING SHADOW GAPS



The portable circular saw's design permits sawing close to the edge and ensures that exact shadow gaps or expansion joints from 13 mm wide can be executed with consummate ease.

### It couldn't be simpler:

With the aid of the parallel fence, precision rip cuts can be executed exactly.



## PORTABLE CIRCULAR SAW WITH PARALLEL FENCE AND CUTTING FREE-HAND





When it comes to internal finishing work, there is no better helper than the KSS 40 18M bl, whatever the task in hand: be it for floors, walls, doors, furniture, ceilings or roof battens - to make cross or rip cuts, rail-guided cuts, miter or compound miter cuts at angles up to 45°, or even plunge cuts.

**PORTABLE CIRCULAR SAW WITH FLEXI-GUIDE FX 140**



**It couldn't be simpler:**

Flexi-guide FX 140 permits precise, guided cuts up to 1.4 m long and can simply be rolled up and stowed compactly in the MAFELL T-Max case.

**PLUNGE-CUT SAW**



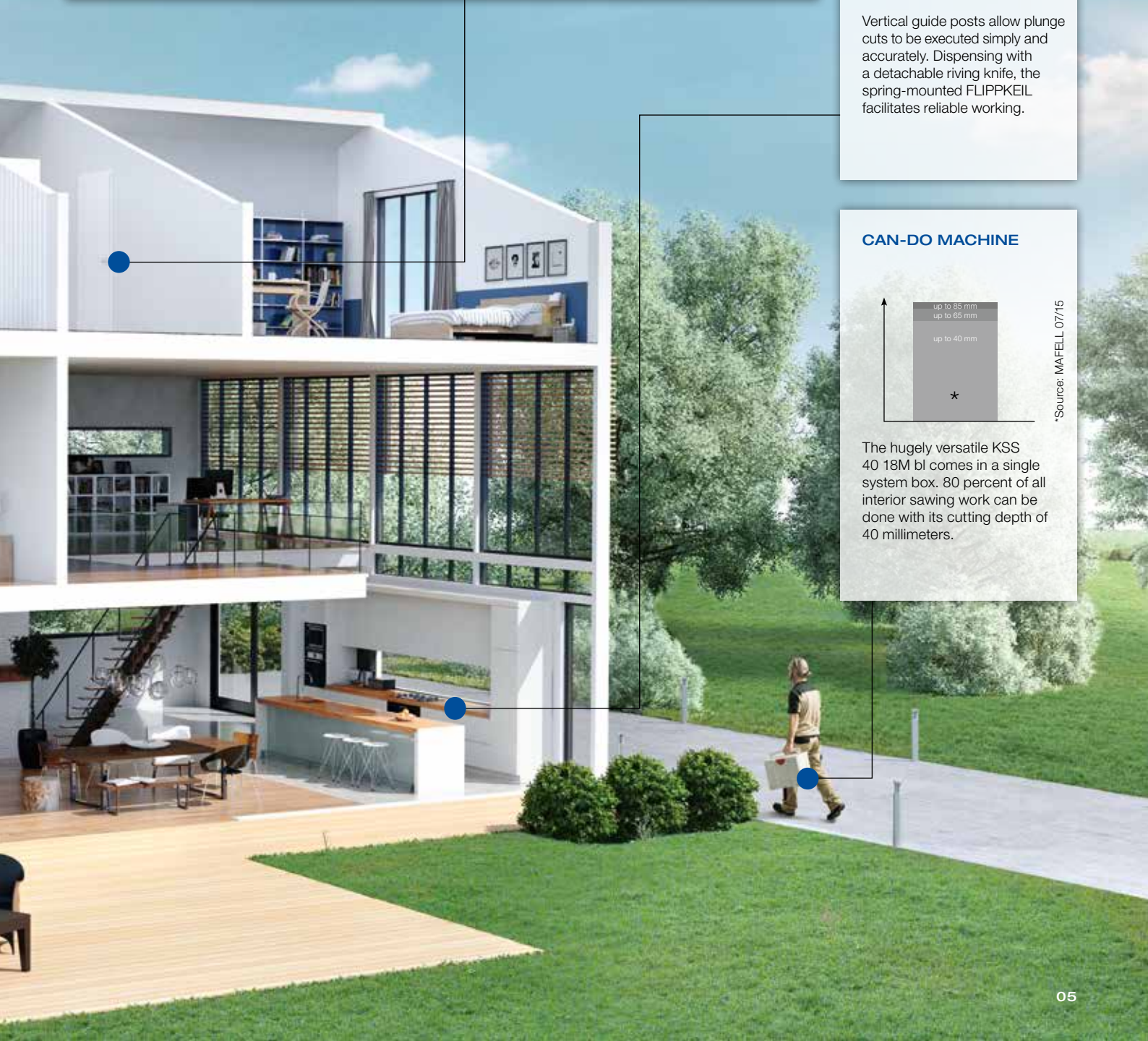
Vertical guide posts allow plunge cuts to be executed simply and accurately. Dispensing with a detachable riving knife, the spring-mounted FLIPPKEIL facilitates reliable working.

**CAN-DO MACHINE**



\*Source: MAFELL\_07/15

The hugely versatile KSS 40 18M bl comes in a single system box. 80 percent of all interior sawing work can be done with its cutting depth of 40 millimeters.





# Thoroughly designed down to the smallest detail: the KSS 40 18M bl.

## CUTTING DEPTH ADJUSTMENT



The cutting depth can be set quickly and is continuously variable. Simply release the lock and set the depth on the scale.

## BATTERY TECHNOLOGY

The innovative, high-performance 18 V lithium ion battery technology achieves superb cutting quality. The battery is processor-controlled and automatically monitors all the relevant parameters such as charge and temperature.

## RETURN MOTION

The KSS 40 18M bl is returned to its starting position after every cut by means of a polyethylene cord.

## FLIPPKEIL

Dispensing with a detachable riving knife, the spring-mounted FLIPPKEIL permits reliable plunge cutting.

## PIVOTING GUARD

The pivoting guard can be retracted quickly and easily by means of a lever for convenience and safety when offering up the machine to make bevel and plunge cuts.

## DETACHING THE TRACK



With the quick-release catch, the machine can also be detached from the track for subsequent use as a standalone portable circular saw.

**MAFELL's name stands for maximum, built-in functionality. This is clearly apparent on the KSS 40 18M bl, with its numerous, intelligent functions that make working even easier and more convenient.**

#### BATTERY CHARGE INDICATOR



The battery charge indicator is located on the side of the battery and can be viewed at any time by pressing a button.

#### BATTERY RELEASE BUTTON



The battery is released at the press of a button and can therefore be replaced in a matter of seconds.

#### TILTING SYSTEM



The pivot point of the KSS 40 18M bl is located laterally on the underside of the rail. So there is only one pointer – regardless of whether the saw is set at an angle or being used with or without the track.



When changing the blade, the sawblade lock is operated simply by pressing a button. The sawblade can then be changed quickly and easily using the Allen key attached to the machine.

#### SAWBLADE LOCK

#### SPLINTER GUARD

The splinter guard ensures clean, tear-free cuts and also serves as a marking and cutting edge for cuts from 0 – 45°.





# Technical data and accessories



## KSS 40 18M bl

### Technical data

<b>Battery</b>	18 V, 94 Wh, Li-Ion
<b>Nominal no-load speed</b>	6,700 1/min
<b>Cutting depth with guide rail at 90°</b>	0 – 40 mm
<b>Cutting depth without guide rail at 90°</b>	0 – 42 mm
<b>Cutting depth with guide rail at 45°</b>	0 – 27 mm
<b>Tilting range</b>	0 – 45°
<b>Angle cuts</b>	+45° – -60°
<b>Weight with cross-cutting rail (including battery)</b>	3.65 kg
<b>Weight without cross-cutting rail (including battery)</b>	2.8 kg

### Ref. No.

919801

### Delivery specification

Cordless cross-cutting system KSS 40 18M bl

- Flexi-Guide rail FX 140
- 2 clamping claws
- Parallel guide fence
- Chip bag
- Hose connector
- Allen key
- TCT sawblade 120 x 1.2/1.8 x 20 mm, ATB, 24 teeth, for universal use with wood
- 2 battery PowerTanks 18 M 94
- 1 battery PowerStation APS 18 M in the new MAFELL T-MAX case.



MAFELL T-MAX



The high-performance **KSS 40 18M bl** takes the **KSS 300** to the next development level with state-of-the-art battery technology. The machine stands out thanks to its impressive performance and the attractive range of accessories included.



**TCT sawblade**

120 x 1.2/1.8 x 20 mm  
ATB, 12 teeth  
for ripping in wood

1 off

Ref. No. **092560**



**TCT sawblade**

120 x 1.2/1.8 x 20 mm  
ATB, 24 teeth  
for universal use with wood

1 off

Order No. **092558**



**TCT sawblade**

120 x 1.2/1.8 x 20 mm  
TCG, 40 teeth  
for fine sawing in wood

1 off

Order No. **092559**



**TCT sawblade**

120 x 1.2/1.8 x 20 mm  
40 teeth, trapezoidal  
for laminated boards

1 off

Order No. **092578**



**Battery PowerStation**

**APS 18 M**  
18 V

Order No. **094453**



**Battery PowerTank**

**18 M 94**

-Li-Ion, 18 V, 94 Wh

Order No. **094436**

25 years of the cross-cutting system – it just keeps getting better with each generation.

25 years



2005  
KSS 400 cross-cutting system



1990  
KSS 330 cross-cutting system



1989  
The very first MAFELL cross-cutting system

Anyone using a MAFELL cross-cutting system quickly finds their day-to-day work unimaginable without the KSS. It's a tool that will not only transform your work, but also change you. See for yourself, and follow your instinct.



# All-in-one: The new MAFELL T-MAX

With an innovative, user-friendly catch and interlocking design, the new case is compatible with the previous MAFELL-MAX system box.

## PRACTICAL STACKING FUNCTION



The new MAFELL T-MAX can be stacked and connected to another T-MAX or to the previous MAFELL-MAX box because the two systems are compatible.

## EVERYTHING IN ITS PLACE



The MAFELL T-MAX accommodates both the KSS 40 18M bl itself and all the accessories included in the delivery scope, including the Flexi-Guide, which rolls up for storage purposes.



## T-LOCK

Featuring innovative technology, the new, T-shaped catch provides superb user convenience and gives the MAFELL T-MAX its name.



Here at MAFELL, we often adopt a new approach in our quest to develop better machines. We take a fresh look and reconsider the crucial aspects of the tool concerned. And we always give due consideration to the future needs of the woodworking trades.

Time and again, together with outstanding material and build quality, our strategy spawns astounding solutions. We thus continuously enhance functionality and user-friendliness, for example. We strive to ensure that, while you are working, you no longer need to give the tool a second thought. Simply because MAFELL has already done the thinking for you. You focus on your job – and as far as everything else is concerned:

Follow your instinct.

Your MAFELL authorized dealer: