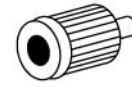


# Combination Machines



Motor power



Control

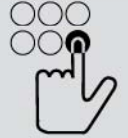
## FELDER®

CF 741 S Professional

Page 168



5,5–10,0 HP  
(4,0–7,35 kW) S6/40%

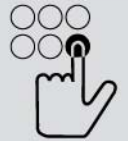


CF 741/Professional

Page 169



4,0–10,0 HP  
(3,0–7,35 kW) S6/40%



CF 531/Professional

Page 170



4,0–5,5 HP  
(3,0–4,0 kW) S6/40%



## Hammer®

C3 31 perform

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4,0 HP  
(3,0 kW) S6/40%



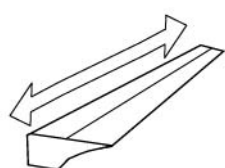
C3 31 basic/winner/comfort

Page 185

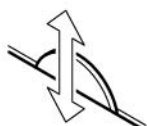


4,0 HP  
(3,0 kW) S6/40%

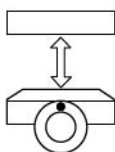




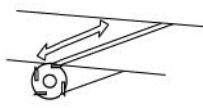
Cutting length



Cutting height



Thickening height min.-max.



Surface planing width/  
thickening width

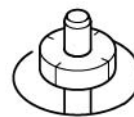
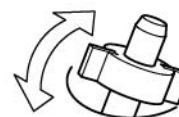


Table opening



Moulder spindle tilt



Price category

2,500–3,200 mm

104 mm

3–230 mm

410 mm  
404 mm

230 mm

90°–45°



1,300–2,500 mm

104 mm

3–230 mm

410 mm  
404 mm

230 mm

90°–45°



1,000–2,500 mm

102 mm

4–220 mm

310 mm  
306 mm

180 mm

90°–45°



2,500 mm

103 mm

4–225 mm

310 mm

180 mm

–



800–2,000 mm

103 mm

4–225 mm

310 mm

180 mm

–





# CF 741 S Professional

## A perfect combination of 5 stand alone machines

The CF 741 S Professional combination machine is the premium machine for modern woodworking and with its different equipment packages leaves nothing to be desired. The all-rounder impresses with its well laid out machine design and offers the perfection and user comfort provided by stand alone professional machines, in an incredibly small area. The machine offers excellent quality when planing, sawing, moulding and mortising.



"X-Roll"  
sliding table  
guiding system



"Power Drive"  
Full electronic  
adjustment



Silent-POWER®  
Spiral Cutterblock



Change the blades  
in record time



Moulder spindle  
quick change system



Precision  
spindle fence



## CF 741 S Professional

- 410 mm surface planing width
- 1,650 mm surface planer table length
- 4-knife Felder system cutterblock
- 2-speed synchronised feed, 6 m/min and 12 m/min
- Spindle tiltable from 90° to 45°
- Forward and reverse run
- "230" spindle moulder fence for max. tool Ø 230 mm
- MULTI-fine adjustment system
- Saw blade tiltable from 90° to 45°
- Format sliding table 2,500 mm
- Outrigger table 1,300/1,500
- Outrigger crosscut fence 2,600/3,200 mm

## CF 741 Professional

- 410 mm surface planing width
- 1,650 mm surface planer table length
- 2-knife Felder system cutterblock
- 2-speed synchronised feed, 6 m/min and 12 m/min
- Spindle tiltable from 90° to 45°
- Forward and reverse run
- "230" spindle moulder fence for max. tool Ø 230 mm
- MULTI-fine adjustment system
- Saw blade tiltable from 90° to 45°
- 2,050 mm sliding table (2,500 mm)
- 1,100 outrigger table
- Outrigger crosscut fence 2,600/3,200 mm

## CF 741

- 410 mm surface planing width
- 1,650 mm surface planer table length
- 2-knife Felder system cutterblock
- 2-speed synchronised feed, 6 m/min and 12 m/min
- Spindle tiltable from 90° to 45°
- Forward and reverse run
- "230" spindle moulder fence for max. tool Ø 230 mm
- Saw blade tiltable from 90° to 45°
- 1,300 mm sliding table
- 1,100 mm crosscut fence



# CF 531 Professional

## The all-rounder at an amazing price

The CF 531 combination machine is a true all-rounder in woodworking. Top quality planing, thicknessing, moulding, sawing and as an option mortising in such a small area. The professional equipment with 230 moulder fence, up to 2,500 mm sliding table, 1,100 mm outrigger and 2,600 mm crosscut fence ensures that even large scale work can be carried out with ease.



"X-Roll"  
sliding table  
guiding system



Change the blades  
in record time



Silent-POWER®  
Spiral Cutterblock



Rearward tilting  
spindle



MF spindle system



Precision  
spindle fence



## CF 531 Professional

- 310 mm surface planing width
- 1,500 mm surface planer table length
- 2-knife Felder system cutterblock
- Synchronous feed speed 6 m/min.
- Spindle tiltable from 90° to 45°
- "230" spindle moulder fence for max. tool Ø 230 mm
- MULTI-fine adjustment system
- Saw blade tiltable from 90° to 45°
- 2,050 mm sliding table (2,500 mm)
- 1100 outrigger table

## CF 531

- 310 mm surface planing width
- 1,500 mm surface planer table length
- 2-knife Felder system cutterblock
- Synchronous feed speed 6 m/min.
- Spindle tiltable from 90° to 45°
- "220" spindle moulder fence for max. tool Ø 220 mm
- Saw blade tiltable from 90° to 45°
- 1,000 mm sliding table

# FELDER cutterblocks



**The advantages of the Felder system cutterblock at a glance ...**

- Knife change in less than two minutes
- Self-setting blades for high precision when changing the blades
- No resin buildup on the clamping bolts
- Extremely smooth operation due to the enclosed design
- Maximum durability of the knives
- Cost saving with cheaper knife costs

Machine equipment options	2-knife Felder system cutterblock	4-knife Felder system cutterblock	4-knife standard cutterblock	3-knife TERSA cutterblock	Silent-POWER spiral cutterblock
CF 531	S	O	O	O	O
CF 531 Professional	S	O	O	O	O
CF 741	S	O	O	O	O
CF 741 Professional	S	O	O	O	O
CF 741 S Professional	-	S	O	O	O

S ... Standard equipment O ... Option - ... not available



**The advantages of the Silent-POWER® cutterblock at a glance ...**

- Sensationally quiet, noise emissions halved
- Blade life up to 20 times longer
- Four highly precise cutting edges on each knife
- Optimised chip extraction and reduced chip volume
- Tear-free planing results
- Reduced power consumption when compared to similar systems

**Mortising unit attachment**

The mortising unit is mounted to the planer side. On request, the mortising unit can be ordered with a transport unit which allows easy mounting and removal of the mortiser.



## Planing

Quick and accurate adjustment of cutting depth from the operator side of the infeed table.



	Planer table length	Extendable to a max.
CF 531	1,500 mm	3,500 mm
CF 531 Professional	1,500 mm	3,500 mm
CF 741	1,650 mm	3,650 mm
CF 741 Professional	1,650 mm	3,650 mm
CF 741 S Professional	1,650 mm	3,650 mm

## FELDER changeover comfort

The intuitive Felder design means that changing from planing to thicknessing is quick and easy.



## A clean solution

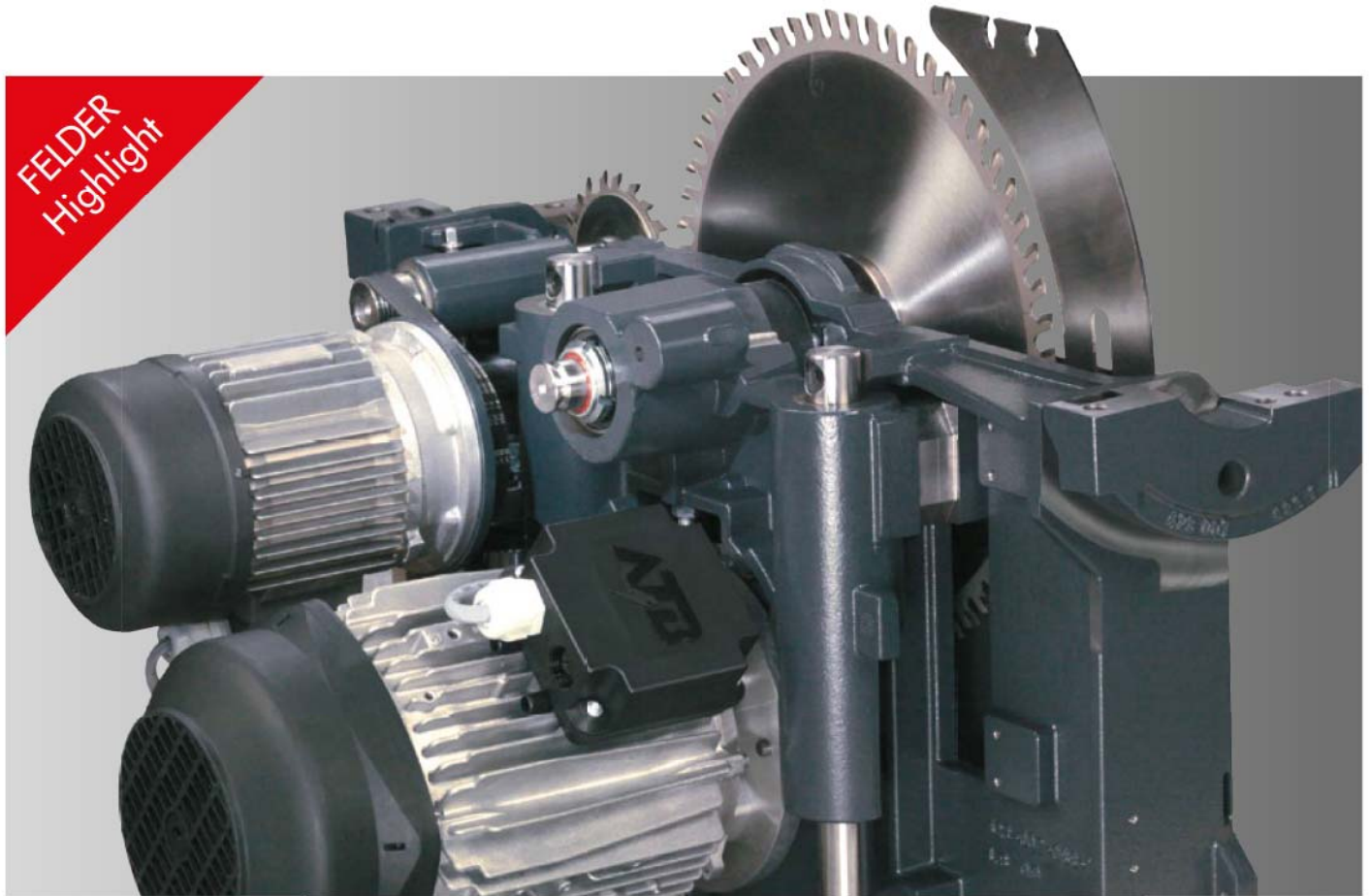
The aerodynamically optimised construction of the dust extraction hood with its ample chip space guarantees an ideal chip extraction and clean working surface.





## FELDER panel saw highlights

FELDER  
Highlight



### The FELDER saw unit "104"

Manufactured entirely from cast iron, the new Felder "104" saw unit fulfils the highest demands of modern woodworking.

- 104 mm cutting height with a 315 mm saw blade diameter
- Electrical height and angle adjustment of the saw unit with LED display ("Power-Drive" K2)
- Precise height adjustment via precision linear guides
- Optimal extraction with a completely enclosed saw aggregate
- Large scale, double ball bearing saw arbour

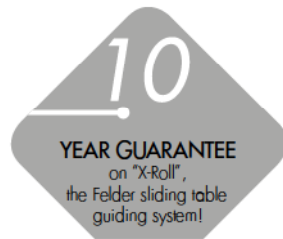


### Scoring unit

For chip free cuts in laminated panels. The saw blade can be driven mechanically or electrically and can be adjusted in both height and lateral position.

## FELDER Sliding Table

The Felder aluminium format sliding table is designed for maximum load bearing and running smoothness. The exclusive use of aluminium ensures that the 'mono profile' of the sliding table and base track is completely resistant to warpage, regardless of the temperature. The X shape ("X-Roll") design of the rollers distributes the load optimally on all sides. The "X-Roll guiding system" and numerous further details that can be found in the Felder 700 Series have been protected with patents - this much technology and precision deserves the title of "World-Class"!



Machine equipment options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Sliding table, 1,000 mm*	S	-	-	-	-
Sliding table, 1,300 mm*	O	-	S	-	-
Sliding table, 1,550 mm*	O	-	O	-	-
Sliding table, 2,050 mm*	O	S	O	S	-
Sliding table, 2,500 mm*	O	O	O	O	S
Sliding table, 2,800 mm*	-	-	-	-	O
Sliding table, 3,200 mm*	-	-	-	-	O
Remote ON switch on sliding table	-	-	O	O	O

S ... Standard equipment O ... Option - ... not available  
\* ... Cutting length with outrigger at max. cutting height

## Solid outrigger table for every challenge

The solid outrigger table makes it possible to process large and heavy workpieces. There are four ball bearing guide rollers in the outrigger telescopic arm for maximum precision and smoothness. For customised perfection in woodworking, you can optionally equip your Felder saw with a 1300 Felder outrigger table or the 1500 premium version.



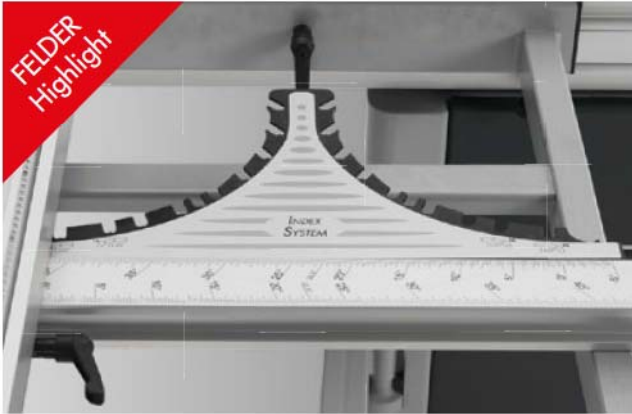
Machine equipment options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
1100 outrigger table	O	S	O	S	-
1300 outrigger table	O	O	O	O	S
1500 outrigger table	-	-	-	-	W

S ... Standard features O ... Option - ... not available W ... Option available without a surcharge

## The rip fence

The rip fence is easy and smooth to adjust, with a single-handed clamping mechanism. The integrated fine adjustment makes precise settings possible. The rip scale is easy to read and perfectly integrated into the machine table.

FELDER  
Highlight



Accurate angle adjustment with the mitre index system and fence length compensation

Scales and Nonius eliminate reading errors. No lost time with painstaking cautious attempts at setting the angle value. Hundred percent accurate adjustment and position locking are the advantages of the precision mitre guide index system.

Highly precise index points enable the exact production of polygons such as e.g. 5.625° (32 sides), 11.25° (16 sides), 22.5° (8 sides). Additional index points at 15°, 20°, 25°, 30°, 35°, 40° and 45° can be used when the crosscut fence is both at the front and at the back of the outrigger.

Each locking point is provided with length compensation and can be individually finely adjusted.

Machine equipment options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Precision mitre index system	○	○	○	○	○
Precision mitre index with cutting length compensation for 1300/1500 outrigger	-	-	○	○	○

O ... Option - ... Not available



The 1,100 mm crosscut fence: perfect construction - perfect functionality!

The 1100 crosscut fence for mitre cuts between +45° and -45° is mounted directly onto the aluminium sliding table without the use of any tools. An end stop allows for quick and precise 90° degree cuts.

Machine equipment options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
1,100 mm crosscut fence	-	-	S	○	○
1,300 mm crosscut fence	S	○	-	-	-

S ... Standard features O ... Option - ... not available

## The new FELDER '700' spindle aggregate

Complete new design, the Felder 700 Series spindle aggregate sets standards that are unparalleled.

- 115 mm spindle useable height above the table (140/160 mm)
- Quick-change system of the moulder spindle
- 4 rotating speeds 3,500, 6,500, 8,000, 10,000 rpm
- Table opening 230 mm



## Slot and tenoning perfection

Large dimensioned and designed with high use in mind, the aluminium format sliding table "hovers" on the "X-Roll", a highly developed guiding technology for Felder sliding tables. The X shape ("X-Roll") design of the rollers distributes the load optimally on all sides. The linear surface of the steel rollers running on the hardened and ground guiding surface guarantees unbeatable precision and smoothness. "X-Roll" will guarantee you the quality and precision that you expect from your new panel saw. Another reason to choose Felder: 10 year factory guarantee to underline the reliability of "X-Roll".





### Moulder spindle tilt 90°–45°

The tilting moulding spindle for unrestricted work: This hugely increases the range of application of your Felder and also saves on tool costs. The spindle aggregate can be tilted to the required angle easily and smoothly.



### Quick-change system of the moulder spindle (CF 741)

The complete spindle including mounted tooling can be removed from the moulder in seconds, without losing any settings. The automatic repeat accuracy guarantees absolutely precise series production with incredibly quick changeover times. Different moulder spindles with diameters of 25, 30, 32, 35, 40, 50 mm as well as ¾", 1" and 1¼" can be inserted in record time.



### Spindle shaft quick change system (CF 531)

Routers and spindles with various diameters (30, 32, 35, 50 mm and 1¼") can be changed quickly and easily without having to change the current settings. Regardless of your position, the moulder spindle can be released with a few simple movements and then securely fixed again.



### As and when required: Adapt your working surface to the workpiece

Ever since 1969 the Felder table extensions have proven themselves a thousands times over. In just a few seconds and without tools you can increase the support length of your machine by up to 1,000 mm on both sides.

## The precision "230" spindle moulder fence

The fence is suitable for tools with a diameter up to max. Ø 230. The fine adjustment of the outfeed fence can be set between -5 to +25 mm. The extraction of the dust is done via the integrated extraction connection. The table opening is 230 mm (180 mm with 500 Series), this is a big advantage when panel raising: The tool can be lowered below the moulder table level.



Machine equipment options

	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Spindle fence "220", 320 mm fence plates	S	-	-	-	-
Spindle fence "230", 400 mm fence plates	O	S	S	S	S

S ... Standard equipment O ... Option - ... not available

## The MULTI-fine adjustment system

Additional to the parallel guiding of the spindle fence the MULTI-adjustment system also enables

- The quick adjustment to the tool diameter
- Automatic repeat setting after removing the fence
- Parallel adjustments of the moulder fence
- Quick and accurate adjustment
- Measurement scale for depth of cut



Machine equipment options

	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
MULTI-fine adjustment system for the moulder fence "240"	O	S	O	S	S

S ... Standard equipment O ... Option



## Control to an accuracy of a tenth of a millimetre Top class Felder operating comfort



### "Power drive" for the saw and spindle unit

With the "Power-Drive" equipment package you can adjust the height and angle of the saw blade and moulder spindle comfortably and accurately to within a tenth of a millimetre. For fine adjustment there is also a push button and a clear LED display screen to show you the actual current value.



### Comfortable precision with "Power-drive" F1

Height adjustment, precise to a tenth of a millimetre at the turn of a knob. Manual saw blade tilt adjustment also available as an option with a dial display for maximum precision.



## "Power Drive" thicknessing table control

The fully electrical 'Power-Drive' thicknesser table control offers maximum precision adjustment and repeat accuracy. With a turn of the knob, you can quickly adjust the thicknessing height, then fine-adjust using the button. With the integrated LED-display, you can easily see the current actual value.

Machine equipment options	Planing/Thicknessing	Panel Saw	Moulder spindle	Moulder spindle
	"Power-Drive" D1	"Power-Drive" K2	"Power-Drive" F1	"Power-Drive" F2
CF 531	-	-	-	-
CF 531 Professional	-	-	-	-
CF 741	○	○	○	○
CF 741 Professional	○	○	○	○
CF 741 S Professional	○	○	○	○

S ... Standard equipment    ○ ... Option    - ... not available



# Technical data



		CF 741 S Professional	CF 741 Professional	CF 741
Surface planing width		410 mm	410 mm	410 mm
Planer table length		1,650 mm	1,650 mm	1,650 mm
Min.-max. thickening height		3-230 mm	3-230 mm	3-230 mm
Cutting height		104 mm	104 mm	104 mm
Saw blade tilt		90°-45°	90°-45°	90°-45°
Spindle table opening		230 mm	230 mm	230 mm
Moulder spindle tilt		90°-45°	90°-45°	90°-45°
4.0 HP (3.0 kW) S6/40 %		-	S	S
5.5 HP (4.0 kW) S6/40 %		S	O	O
7.5 HP (5.5 kW) S6/40 %		O	O	O
10.0 HP (7.35 kW) S6/40 %		O	O	O
Working height		890 mm	890 mm	890 mm
Length [L]**	1,000 mm*	-	-	-
	1,300 mm*	-	-	2,828 mm
	1,550 mm*	-	-	3,328 mm
	2,050 mm*	-	4,361 mm	4,361 mm
	2,500 mm*	5,280 mm	5,280 mm	5,280 mm
	2,800 mm*	5,858 mm	-	-
	3,200 mm*	6,658 mm	-	-
Width [W <sub>1</sub> ]		1,132 mm	1,132 mm	1,132 mm
Width [W <sub>2</sub> ]		1,872-2,636 mm	1,872-2,636 mm	1,100 mm
Weight (depending on equipment, without packaging)		1,120 kg	1,50 kg	980 kg
Extraction connection Ø planer/thicknesser		120 mm	120 mm	120 mm
Extraction connection-Ø saw/saw guard		120/50 mm	120/50 mm	120/50 mm
Extraction connection-Ø Spindle fence/spindle aggregate below table level		120/80 mm	120/80 mm	120/80 mm

\*Cutting length with outrigger table and at maximum cutting height,  
 S ... Standard configuration O ... Option - ... not available 1 ... Planing unit 2 ... thickness planer unit working position 1  
 3 ... thickness planer unit working position 2 1, 2, 3 ... measured using the Silent-Power® spiral cutterblock



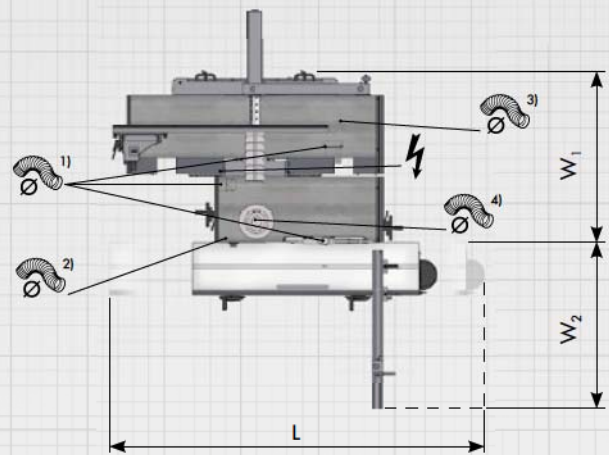
CF 531 Professional	CF 531
310 mm	310 mm
1,500 mm	1,500 mm
4-220 mm	4-220 mm
102 mm	102 mm
90°-45°	90°-45°
180 mm	180 mm
90°-45°	90°-45°
S	S
O	O
-	-
-	-
890 mm	890 mm
-	2,836 mm
-	3,326 mm
-	-
4,361 mm	4,361 mm
5,238 mm	5,283 mm
-	-
-	-
1,028 mm	1,028 mm
1,750-2,636 mm	1,300-2,000 mm
820 kg	730 kg
120 mm	120 mm
120/50 mm	120/50 mm
120 mm	120 mm



Further information about the technical data, individual configuration options and all noise level values can be found on the internet at [www.felder.at](http://www.felder.at)

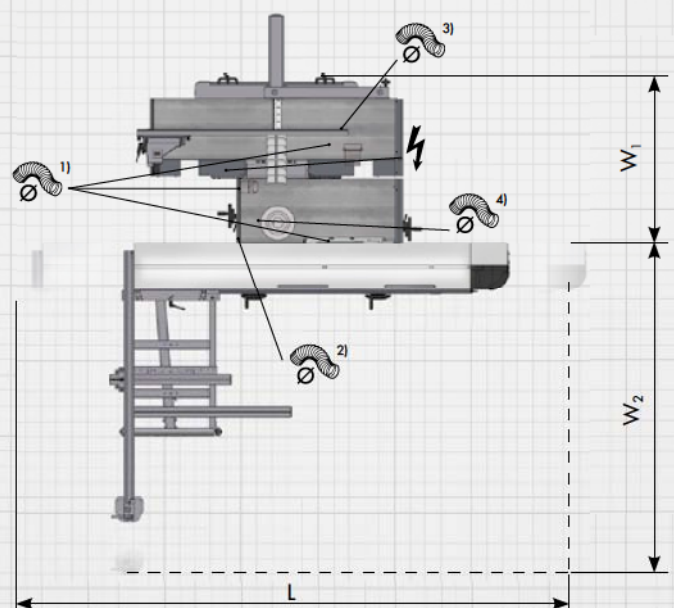
## Space requirement

Scale  
1:50



Symbolic image CF 531, CF 741

- <sup>1)</sup>Extraction connection CF 741
- <sup>2)</sup>Extraction connection CF 531
- <sup>3)</sup>Extraction connection all models
- <sup>4)</sup>Extraction connection all models



Symbolic image CF 531 P, CF 741 P, CF 741 SP

- <sup>1)</sup>Extraction connection CF 741 P, CF 741 SP
- <sup>2)</sup>Extraction connection CF 531 P
- <sup>3)</sup>Extraction connection all models
- <sup>4)</sup>Extraction connection all models



## C3 31 perform

### A powerful package of performance and precision in the smallest of spaces

Professional planing and thicknessing, moulding, sawing and as an option, mortising, in the smallest of spaces? No problem! The C3 31 offers you first rate machine technology, outstanding performance and incredible precision with the smallest of space requirements. The extreme user-friendliness, the precise adjustments, the quick changeover times and the high-quality workmanship guarantees a great investment for many years to come.



MF spindle system



Planer knife change without adjustments in seconds



Solid planer tables for absolute precision



Dual opening of the planing tables



As and when required: Adapt the table size to the workpiece dimension



The MULTI fine adjustment system with parallel alignment and quick adjustment



### C3 31 perform

- 3 motors 4.0 HP
- Planing width 310 mm
- Surface planer table length 1,400 mm
- 3 knife automatic cutterblock
- Saw blade tiltable from 90°–45°
- 4 moulding speeds  
3,000/6,000/8,000/10,000 rpm.
- Format sliding table 2,500 mm
- 2,600 mm double mitre crosscut fence on the outtrigger table
- Solid cast iron tables and units
- Forward and reverse run
- Mitre index system (optional)
- Preparation for dado tooling up to 19.5 mm width (optional)

### C3 31 comfort

- 3 motors 4.0 HP
- Planing width 310 mm
- Surface planer table length 1,400 mm
- 3 knife automatic cutterblock
- Saw blade tiltable from 90°–45°
- 4 moulding speeds  
3,000/6,000/8,000/10,000 rpm.
- Solid cast iron tables and units
- Forward and reverse run
- Preparation for dado tooling up to 19.5 mm width (optional)
- Format sliding table 2,000 mm
- Outtrigger table
- Mitre index
- 1,300mm double mitre crosscut fence

### C3 31

- 3 motors 4.0 HP
- Planing width 310 mm
- Surface planer table length 1,400 mm
- 3 knife automatic cutterblock
- Saw blade tiltable from 90°–45°
- 4 moulding speeds  
3,000/6,000/8,000/10,000 rpm.
- Solid cast iron tables and units
- Forward and reverse run
- Preparation for dado tooling up to 19.5 mm width (optional)

## Technical data



		C3 31 perform	C3 31 comfort
Surface planing width		310 mm	310 mm
Planer table length		1,400 mm	1,400 mm
Min.-max. thicknessing height		4-225 mm	4-225 mm
Cutting height		103 mm	103 mm
Saw blade tilt		90°-45°	90°-45°
Rotation speed 3,000/6,000/8,000/10,000 rpm		S	S
4.0 HP (3.0 kW) S6/40 %		S	S
Working height		880 mm	880 mm
Length [L]	800 mm*	-	-
	1,250 mm*	-	-
	2,000 mm*	-	4,380 mm
	2,500 mm*	5,205 mm	-
Width [W <sub>1</sub> ]		880 mm	880 mm
Width [W <sub>2</sub> ]		1,720 mm	1,100 mm
Weight (depending on equipment, without packaging)		780 kg	610 kg
Extraction connection Ø planer/thicknesser		120/120 mm	120/120 mm
Extraction connection-Ø saw/saw guard		120/50 mm	120/50 mm
Extraction connection-Ø Spindle fence/spindle aggregate below table level		120/80 mm	120/80 mm

\*Cutting length with outrigger table with maximum cutting height,

\*\*Details of the maximum travelling distance based on the length of the sliding table:

S ... Standard configuration    O ... Option    - ... not available



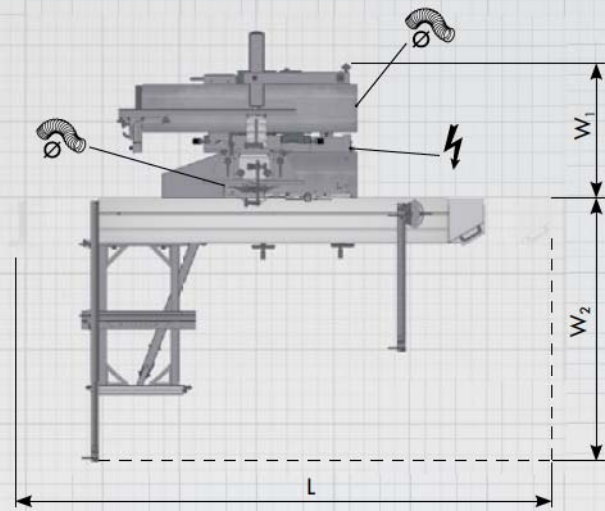
<b>C3 31</b>
310 mm
1,400 mm
4-225 mm
103 mm
90°-45°
S
S
880 mm
1,810 mm
2,740 mm
4,380 mm
-
880 mm
1,100 mm
610 kg
120/120 mm
120/50 mm
120/80 mm



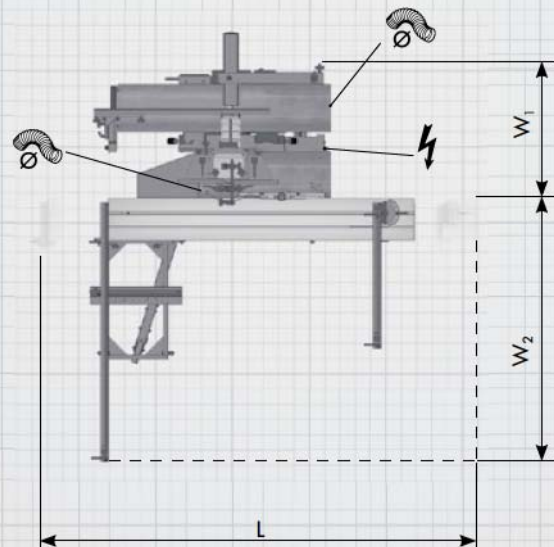
Further information about the technical data, individual configuration options and all noise level values can be found on the internet at [www.hammer.at](http://www.hammer.at)

## Space requirement

Scale  
1:50



Symbolic image C3 31 perform



Symbolic image C3 31, C3 31 comfort