



CONTROL



EVOLUTION



STANDARD



COMPACT

# Convincing facts and figures regarding the EVOLUTION

## The saw frame

- Rigid, self-supporting, heavily braced, welded saw frame with toughened guides
- Auxiliary stop section with its own tape measure and 3 auxiliary stops for repeat cuts
- Extraction system TRK\* (0.37-0.59 mg/m<sup>3</sup>) integrated into the frame
- Entire support wall from birch plywood with integral small workpiece support
- Automatic roller locking feature during the saw cut

## Accessories

- Optional
- S Standard

	EVOLUTION
Four-sided trimming 4SB	●
Scoring saw unit VSA	●
Electronic positioning system EPS	●
Digital measuring system DMS	S
Angle cutting unit WSG	●
Aluminium frame	S
"High-end" frame	●
Grooving accessory for composite panels and adjustable grooving tool	●
Operating time counter	S
Two-speed motor	●
Special voltage	●
Tropical insulation	●
Automatic motor swivelling	S

## Beam

- Automatic saw beam locking with cutting point recognition

## EVOLUTION

Type	Dimensions in mm				Cutting range in mm		
	L	H	W1*	W2*	L	Hvert	Hhor
6224	6620	3010	1742	1346	5300	2240	2100
6216	6620	2930	1708	1340	5300	2160	2016
6168	6620	2450	1500	1300	5300	1680	1540
5224	5620	3010	1742	1346	4300	2240	2100
5216	5620	2930	1708	1340	4300	2160	2016
5168	5620	2450	1500	1300	4300	1680	1540
4224	4620	3010	1742	1346	3300	2240	2100
4216	4620	2930	1708	1340	3300	2160	2016
4168	4620	2450	1500	1300	3300	1680	1540

## EVOLUTION

Weight of the saw	aprox. 980 kg	Saw blade speed	4800 rpm
Cutting depth	80 mm	2 extraction connection Ø	100 mm
Saw motor rating	5.5 kW	Compressed air connection	6-10 bar
Saw blade diameter	300 mm	Wattage	7.5 kW
Saw blade bore	30 mm*1	Mains connection	3 x 400 V/50 Hz
		Special voltages and special frequencies on request	

W1\* - for freestanding assembly · W2\* - for wall assembly

\*1 with 2 side holes Ø 9 mm, radius 30 mm

## Motor carriage, saw unit

- Play-free, easy-glide guide
- Robust bearing of the motor carriage ensures high cutting precision
- Automatic motor carriage clamping
- Fine alignment of the saw motor +/- 4 mm at the press of a button
- Automatic plunging and swivelling of the saw motor
- Super-silent system for insulating motor noise
- Electromagnetic motor brake
- Saw blade shaft locking

## Control

- PLC control system with multilingual user interface and fault recognition
- Digital measuring system DMS as standard
- Operating time counter as standard

## Design, ergonomics

- Innovative, award-winning design (including Design Preis Schweiz 01)
- Ergonomics tailored to function and operator

\*TRK is the abbreviation for "Technische Richt-Konzentration" (Technical target concentration). These values have been applicable since July 1988 and specify the maximum permissible wood dust concentration at the workplace. The TRK-value is 2 mg/m<sup>3</sup> total dust based on a working average (shift) of 8 hours. Connection to an external dust extraction is required. The system used must have an extraction performance of 20 m<sup>3</sup>/sec. in order to meet the TRK specifications.

(All details refer to the EVOLUTION type 6224)