STRIEBIG

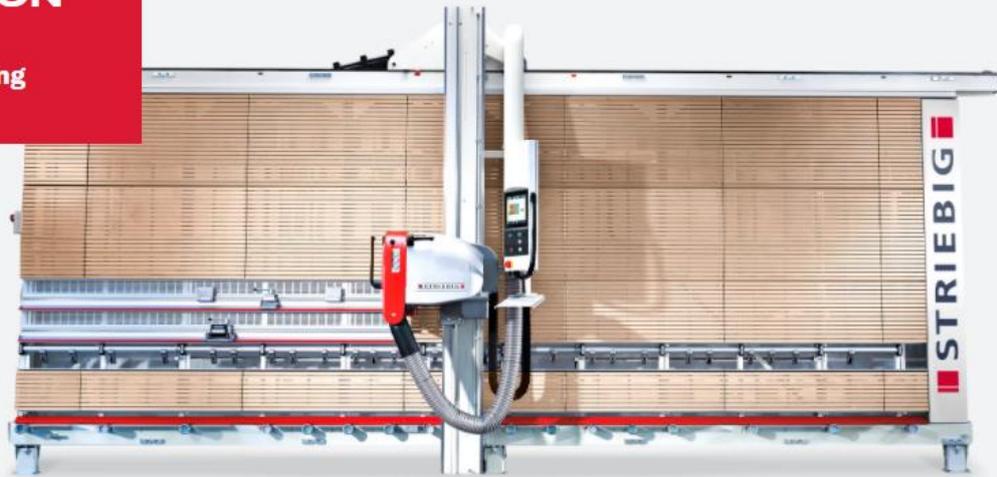**EVOLUTION**

Entry level to automatic sawing functions

EVOLUTION – precision, ergonomics and functionality perfectly combined

Highlights of the STRIEBIG EVOLUTION

Always a good decision

For years, the EVOLUTION has been at the forefront of hand-guided vertical panel saws. An EVOLUTION embodies high value through its appearance and quality. Numerous automatic functions facilitate your daily work.

Touch and work

"Touch & saw" – this revolutionary concept lets you operate the saw safely and easily.

The fingertip is enough to control the EVOLUTION. The 12" color display of the touch screen visualises all functions.
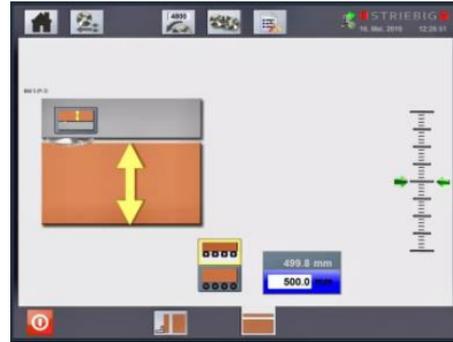

Saw beam & saw unit – always the right cut

The automatic swivelling and the automatic insertion and removal of the sawing unit are functions of the STRIEBIG EVOLUTION that support the sawing process.

Automatic fine adjustment of the sawing unit during horizontal cutting

The sawing unit is positioned to the approximate cutting height for horizontal cutting. When the arrow on the scale in the control unit turns green, the motor carriage will automatically lock and fine adjustment will be performed automatically.

Entry level to automatic sawing functions

Every EVOLUTION is well-equipped when it leaves the factory. You can customise it even further thanks to the wide range of options. Let your STRIEBIG specialist partner advise you.

Standard equipment

Comprehensive standard equipment

- 12" inch touch screen computer with optimum operator guidance
- Laser-supported display of the horizontal cut
- Digital measuring system DMS-XY
- Automatic saw beam locking with interface recognition
- Automatic locking and swivelling of the sawing unit
- Automatic insertion and removal of the sawing unit
- Automatic fine adjustment of the sawing unit
- Operating time counter
- Tool database
- ALU centre support over the entire machine length
- Integrated, powerful TRK dust extraction. Dust limit value around 1 mg/m^3
- Control cabinet directly attached to the saw frame
- Super-silent noise insulation

Technical specifications

Weight of the saw	approx. 1.100 kg
Cutting depth	80 mm [*1]
Saw motor power	5.5 kW (7.5 HP)
Saw blade diameter	300 mm
Saw blade bore	30 mm [*2]
Emission sound pressure level at the workplace L_{pA}	83 dB [*3]
Saw blade speed	4800 rpm
1 extraction connection	ø 140 mm
Compressed air connection	6-10 bar
Wattage	7.3 kW
Mains connection	3 x 400 V / 50 Hz

[*1] Option: 103 mm ·
[*2] with 2 side holes Ø 9 mm, radius 30 mm ·
[*3] Measurement standards and emission values according to EN 1870-14, measurement uncertainty allowance K = 4dB (A). (All data refers to EVOLUTION type 6224)

For all machines the following applies:
Efficient TRK dust extraction significantly below 2 mg/m3. The system used must have an extraction performance of 20 m/s in order to meet the TRK specifications. (Vacuum approx. 1400 Pa. / COMPACT approx. 1470 Pa) at the connector in order to meet the TRK specifications.
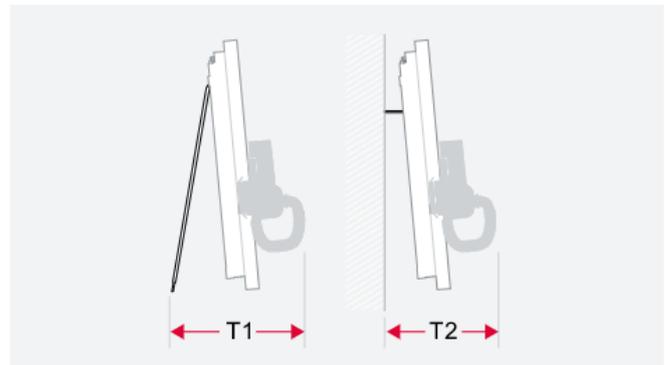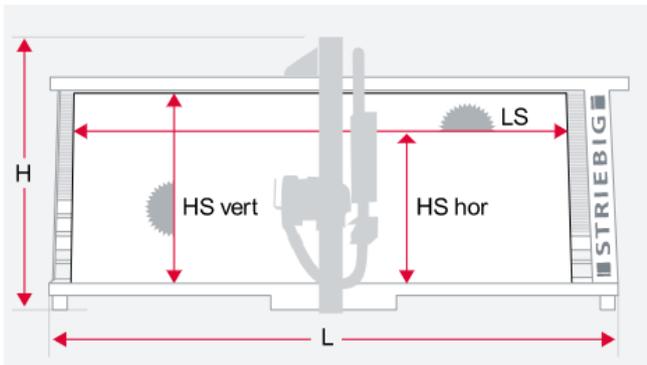
Technical note:
Permissible ambient temperature min: + 5 °C / max. + 40 °C
Relative humidity: 19 - 95% without condensation
In case of mains fluctuations greater than +/- 10% of the nominal voltage, a voltage stabiliser must be installed at the place of use.

The technical specifications are approximate values.
We reserve the right to make changes due to further developments.

Dimensions in mm

Type	L*	H	T1 free	T2 Wall
6224	6645	3018	1741	1361
6216	6645	2934	1700	1354
6168	6645	2460	1500	1312
5224	5645	3018	1741	1361
5216	5645	2934	1700	1354
5168	5645	2460	1500	1312
4224	4645	3018	1741	1361
4216	4645	2934	1700	1354
4168	4645	2460	1500	1312

Cutting area in mm

Type	LS	HS vertical	HS horizontal
6224	5300	2240	2100
6216	5300	2160	2016
6168	5300	1680	1540
5224	4300	2240	2100
5216	4300	2160	2016
5168	4300	1680	1540
4224	3300	2240	2100
4216	3300	2160	2016
4168	3300	1680	1540

* L = Total length of the machine, including control cabinet