Quotation SAWTEQ B-200 (Optimat HPP 200/38/38)

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P1.1.2.1 **SAWTEQ S-200 optimat** **Quantity: 1**
Optimat HPP200/38/38

Basic machine

Cutting precision and first-class cutting quality

- The following features make sure of that:
  - Robust design and intelligent machine construction
  - Torsion-resistant and solid saw carriage
  - Short and powerful collet chucks
  - Guidance systems with hardened shafts and prismatic running rollers in the saw carriage and in the program fence
  - Reliable pressing-on and alignment of the panels via the side pressure device that takes effect from below—even for thin and pressure-sensitive materials

High performance

- The following features make sure of that:
  - Minimized non-productive times
  - Low movement of masses in the area of the saw carriage
  - Fluid processes with aligned movements
  - Automatic cutting height and cutting length control

Clean working process

- The following features make sure of that:
  - Efficient suction at the right-angled fence, saw carriage and pressure beam

- Optional features available on request:
  - Machine table with air jets
  - Patented DUSTEX system

Maintenance-friendly saw with highly convenient cleaning

- The following features make sure of that:
  - Maintenance-free drive via toothed rack and pinion for the saw carriage and the program fence
  - Contact-free and therefore wear-free path measuring systems on the pressure beam, saw carriage and program fence
  - Cleaning flaps on the machine body
  - 10 year warranty on the circular guides of the saw carriage and the program fence

Protective handling of resources

- The following features make sure of that:
  - Energy-efficient drive technologies
  - Ergonomic and safe operation
  - Material-conserving plate and parts handling
  - Material-specific parameterization
  - Energy-saving suction device
  - Recesses for the collet chucks facilitate minimal trims and dust cuts

Technical data

Cutting length		3800	mm
Table level		920	mm
Positioning accuracy		+/- 0.1	mm/m

- Positioning accuracy of the program fence (figures do not apply to the cut parts)

Requirements to be met by customer

To be provided by the customer:

- Minimum operating temperature +5 degrees
- Maximum operating temperature +35 degrees
- Condition of hall floor:
  - Concrete quality C25/30
  - Concrete thickness min. 200 mm with no covering layers (e.g. parquet, bitumen, etc.)

- The customer is responsible for grouting all the machine stands with non-shrink grouting material after assembly has been completed
- Pneumatic slide valve recommended at pressure beam, provided by customer
  - Electric control of the valve provided for in the switch cabinet

- The machines are not suitable for connection to an RCD due to operational leakage currents. Instead, it is advisable to route the supply line so as to prevent ground faults or short circuits (e.g. in accordance with DIN VDE 0100-520/521.11)

P1.1.2.2 **Article no. 1647** **Quantity: 1**

Saw blade projection of 80 mm

P1.1.2.3 **Article no. 1767** **Quantity: 1**

Right-hand version

Corresponds to the saw direction from left to right in the direction of the right-angled fence

P1.1.2.4 **Article no. 0249** **Quantity: 1**

Type plate for the United Kingdom

The CE mark for product safety was replaced by the new British UKCA mark after Brexit. Machines to be exported to the UK (England, Wales and Scotland) must have a UKCA mark as of January 01, 2023. The CE mark remains valid during the transition period until the end of 2022.

- UKCA mark on machine type plate
- UKCA declaration of conformity

EXTEND MACHINE

P1.1.3.1 **Article no. 5960** **Quantity: 1**

Painting

- Machine and protective fence posts painted in RAL 9003 signal white

P1.1.3.2 **Article no. 6554** **Quantity: 1**

Manual pressure setting

manual, pneumatic pressure setting for clamps and pressure beams

\+ Material-friendly handling, especially with pressure-sensitive materials

CARRY MATERIAL

P1.1.6.1.1 **Article no. 1705** **Quantity: 1**

Rear machine table

Clamps guide the material over the high-quality roller rails of the rear machine table, ensuring gentle handling.

P1.1.6.1.2 **Article no. 1712** **Quantity: 1**

Machine table fully equipped with air jets (dustEx)

Nozzles create an air cushion between the table supports and the material. Special DUSTEX nozzles and optimized suction geometry keep dust and chips away from the machine table.

+ Ergonomic operation by simply moving the plates
+ The air cushion produced is gentle on the material
+ Saves cleaning time and rework

The option comprises:

- Machine table with air jets
- DUSTEX combination nozzles

POSITION MATERIAL, RIP SAW

P1.1.6.3.1 **Article no. 1201** **Quantity: 1**

Program fence speed

- forward 25 m/min
- backward 80 m/min

P1.1.6.3.2 **Article no. 1089** **Quantity: 1**

Program fence guide below

P1.1.6.3.3 **Article no. 1373** **Quantity: 6**

Standard clamps

For the gentle positioning of the material

+ Precise cutting through perfect holding of the material in one-finger clamps with blocks that have a special effect on the back of the clamp
+ More power by combining and dividing symmetrical transverse strips at the same time

- The first 3 pieces have two fingers, all the others have one
- Position: 75 / 275 / 475 / 1050 / 1500 / 3100 mm

Position measured from right-angled fence to clamp center

P1.1.6.3.8 **Article no. 1229** **Quantity: 1**

Additional one-finger clamp

For the gentle positioning of the material

+ Precise cutting through perfect holding of the material in one-finger clamps with blocks that have a special effect on the back of the clamp
+ More power by combining and dividing symmetrical transverse strips at the same time

- Position: 2300 mm

Position measured from right-angled fence to clamp center

FIX MATERIAL IN PLACE

P1.1.6.4.1 **Article no. 1720** **Quantity: 1**

pressure beam height control

The pressure beam only lifts the required path over the package.

\+ Time savings due to shorter cycle times

CUTTING OF WORKPIECE

P1.1.6.5.1 **Article no. 1724** **Quantity: 1**

Basic saw carriage rollers

P1.1.6.5.1.1 **Article no. 1683** **Quantity: 1**

Saw carriage speed 80 m/min

Saw carriage speed	Min	1	m/min
	Max	80	m/min

P1.1.6.5.2 **Article no. 1616** **Quantity: 1**

Main saw motor 11.0 kW

P1.1.6.5.3 **Article no. 1696** **Quantity: 1**

Pneumatic main saw hub

P1.1.6.5.4 **Article no. 1671** **Quantity: 1**

Pre-scoring unit

P1.1.6.5.4.1 **Article no. 1634** **Quantity: 1**

Scoring saw motor 1.1 kW

P1.1.6.5.5 **Article no. 1695** **Quantity: 1**

Pneumatic scoring saw hub

P1.1.6.5.6 **Article no. 1610** **Quantity: 1**

Electric scoring saw setting

By pressing the key on the control panel

\+ Convenient scoring saw adjustment

TRANSFER WORKPIECE

P1.1.7.1 **Article no. 2354** **Quantity: 1**

Air cushion table 2100 x 800 mm

For the simple movement of panel materials by means of an air flow

\+ Ergonomic cutting thanks to simple, material-saving parts handling

Technical data

Length		2100	mm
Width		800	mm

P1.1.7.1.1 **Article no. 6365** **Quantity: 1**

Start/stop bar on first air cushion table

For convenient program start independent of the control panel

\+ Good strip and plate handling especially for long strips

The button included as standard for the B130 and B200 series is omitted and is replaced by the start/stop bar. From B300 and higher, the start/stop bar is included as standard.

P1.1.7.1.2 **Article no. 2525** **Quantity: 3**

Small roller elements on the front edge of the air cushion table

\+ Easy and gentle material transport

P1.1.7.2 **Article no. 2353** **Quantity: 2**

Air cushion table 2100 x 650 mm

For the simple movement of panel materials by means of an air flow

\+ Ergonomic cutting thanks to simple, material-saving parts handling

Technical data

Length		2100	mm
Width		650	mm

LABEL

P1.1.9.1 **Article no. 6082** **Quantity: 1**

Classic Zebra manual label printer

For the production of thermodirect labels

+ No mix ups thanks to unique part identification
+ Transfer of process-relevant information for subsequent work steps

- The printer is ergonomically installed in a separate housing close to the right-angled fence

Technical data			
Label size		80 x 100 mm	mm
Width of label	Max	4.25"/108	
Print width		4.09"/104	mm
Resolution		203	dpi
Printing speed		152	mm/s
Standard roller diameter (core)	Min	0.5"/12.7	mm
	Max	1"/25.4	mm
Roller diameter (outer)	Max	5"/127	mm
Automatic dispensing device		Yes	
Automatic winding device		No	
Ethernet interface		Yes	

P1.1.9.2 **Article no. 6070** **Quantity: 1**

Labeling with parts graphic

For the graphic representation of edge information, processing drawings from a cutting optimization software and part drawings of higher-level systems

+ Visual support for the operator for further machining processes

P1.1.9.3 **Article no. 6075** **Quantity: 1**

Labeling program

For creating the label layout with texts, barcodes and graphics, as well as controlling the printers

+ Flexible creation of different layouts

- The labels can be printed either per part, per package or per definable number
- In conjunction with Cut Rite, different layouts can be automatically controlled for the respective component

ENERGY AND SUPPLY

P1.1.10.1 **Article no. 6483** **Quantity: 1**

Operating voltage 400 V

P1.1.10.2 **Article no. 6498** **Quantity: 1**

Frequency 50 Hz

P1.1.10.3 **Article no. 2310** **Quantity: 1**

Central fan for the air cushion tables

CONTROL MACHINE

P1.1.11.1 **Article no. 6491** **Quantity: 1**

tapio ready

A feature that gives you the option to use innovative digital products from tapio and tapio partners for future-proof operation.

- Your HOMAG machine is already prepared for connection to tapio at the time of purchase
- The machine is delivered as "tapio ready"
- The effect of the "tapio ready" functionality is that when you switch the machine on, a connection to the tapio exchange service is established so that the machine number can be used to check whether the machine has been activated and authorized for use via the tapio platform.
- Contact your local HOMAG Sales office or visit www.tapio.one

Please note that some offers and services on tapio can only be used once you have registered for them, registered the machine or connect to it and activate services for it. For more information, please visit: store.tapio.one or contact your HOMAG sales team

P1.1.11.2 **Article no. 6300** **Quantity: 1**

Operating panel

For controlling the CADmatic with assistance graphics and 24-inch full HD multi-touch display in wide screen format

\+ Intuitive operation with a good, structured overview of cutting processes

P1.1.11.3 **Article no. 6181** **Quantity: 1**

powerControl V2.1

Modern control system based on Windows PC

- Hardware:
  - PLC control system according to international standard IEC 61131
  - Modern PC with Windows operating system
  - Backup manager and storage medium for convenient data backup
  - USB connection
  - Digital drive technology
  - Decentralized, digital fieldbus system
  - Virus protection software
  - Network-ready
  - Data transfer online and USB port for transferring optimized cutting patterns (SAW files) to the saw via network connection or USB stick
- Software:
  - Standardized HOMAG powerTouch user interface
  - Ergonomic touch operation with gestures such as zooming, scrolling, swiping
  - Simple navigation for uniform, intuitive operation of the machine
  - Integrated tool management with wear data acquisition
  - Fault diagnosis supported graphically and via video sequences
- The machine control system is not suitable for processing personal data in accordance with the EU GDPR.

P1.1.11.3.1 **Article no. 6171** **Quantity: 1**

PC keyboard: English

\+ Easy operation using country-specific keyboard

P1.1.11.4 **Article no. 6187** **Quantity: 1**

CADmatic 5

TOOL

P1.1.14.1 **Article no. 9050** **Quantity: 1**

Main saw blade carbide 350 x 4.4 x 60

Main saw blade 350 x 4.4 x 60 mm			
Cutting material		Carbide	
Saw blade diameter		350	mm
No. of teeth		72	
Tooth shape		Flat top tooth with bevel	
Cutting width		4.4	mm
Blade plate thickness		3.2	mm
Mounting hole diameter		60	mm
Auxiliary holes		2 bore holes on opposite side	
Diameter		14	mm
Pitch circle diameter		100	mm

P1.1.14.2 **Article no. 9198** **Quantity: 1**

Scoring saw blade carbide 200 x 4.45–5.25 x 45

Scoring saw blade: 200 x 4.45–5.25 x 45 mm			
Cutting material		Carbide	
Saw blade diameter		200	mm
No. of teeth		36	
Tooth shape		Conical - flat tooth	
Cutting width		4.45–5.25	mm
Blade plate thickness		3.2	mm
Mounting hole diameter		45	mm
Auxiliary holes		none	

DOCUMENT

P1.1.15.1 **Article no. 8322** **Quantity: 1**

Language selection: English

For operating instructions and screen operating texts

\+ Appropriate language for the operator

P1.1.15.1.1 **Article no. 0782** **Quantity: 1**

Documentation on machine control unit

- Production instructions consisting of operating and maintenance instructions
- Electricity flow charts

PDF file format

P1.1.15.1.2 **Article no. 0783** **Quantity: 1**

Documentation on paper

- Production instructions consisting of operating and maintenance instructions