

siegling blizzard[®]
splicing equipment

BLIZZARD SHP X00

THE NEW HEATING PRESS FOR HOMOGENEOUS BELTS



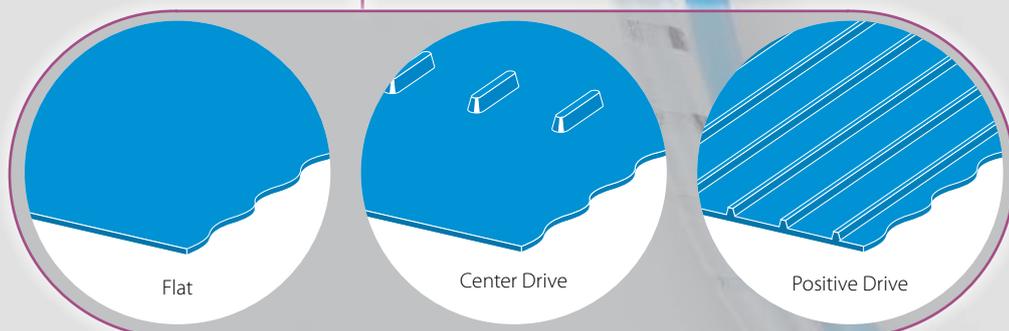
AIR-
COOLED

BLIZZARD SHP X00

THE NEW HEATING PRESS FOR HOMOGENEOUS BELTS

The Blizzard Slim Heating Press (SHP) X00 welds homogeneous, thermoplastic conveyor belts quickly and reliably. It stands apart because it's easy to handle and delivers excellent splicing quality in flat and patterned belts, and those that are toothed on the underside.

Can be used on all types of homogeneous belts, reinforced and unreinforced



Flat

Center Drive

Positive Drive



Forbo

MOVEMENT SYSTEMS

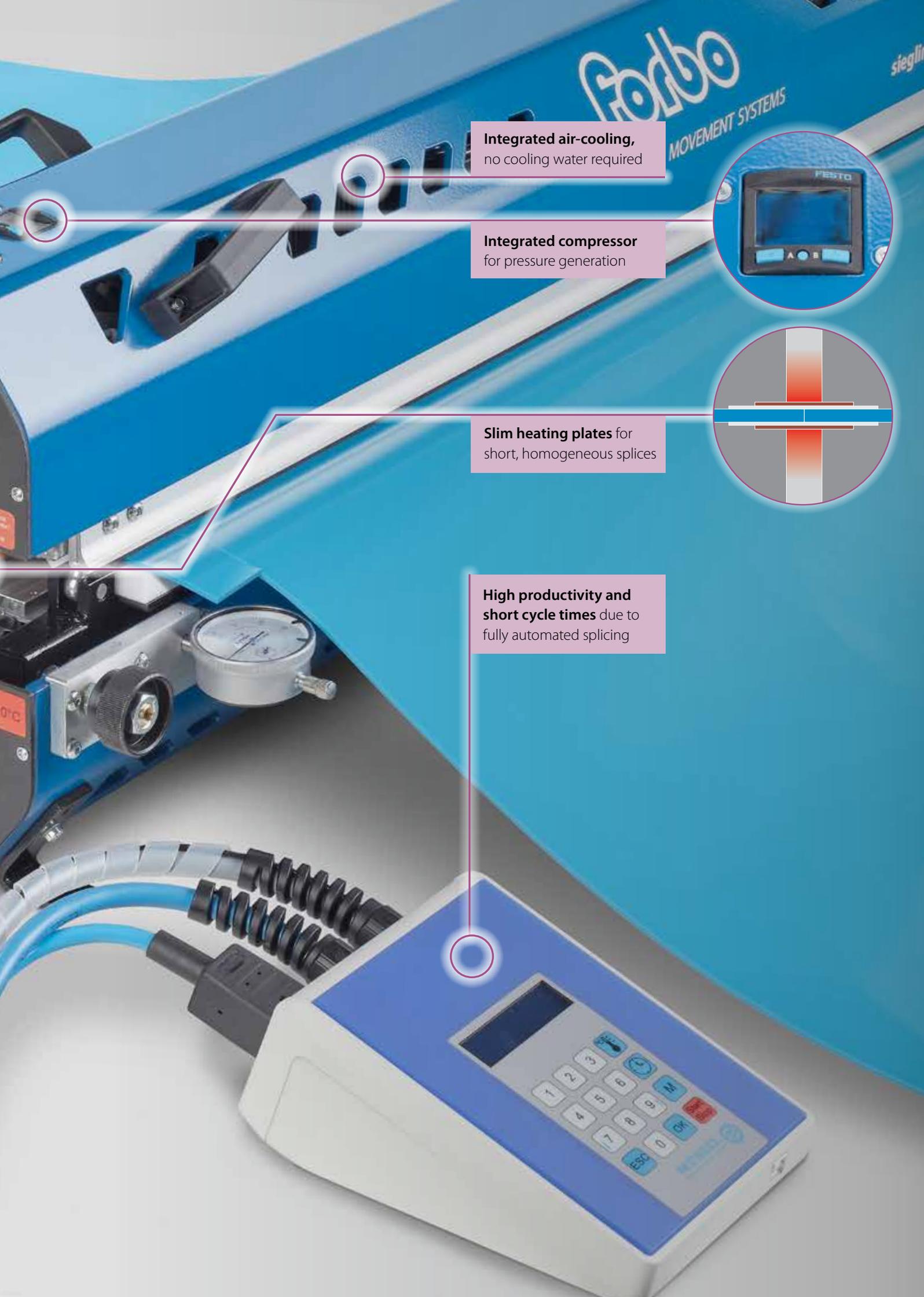
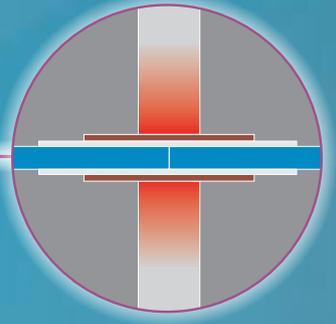
sieglin

Integrated air-cooling,
no cooling water required

Integrated compressor
for pressure generation

Slim heating plates for
short, homogeneous splices

**High productivity and
short cycle times** due to
fully automated splicing



BLIZZARD SHP X00

COMPLETE SETS FOR ON-SITE FITTING

The Blizzard Slim Heating Press (SHP) X00 is designed for the production (splicing) of homogeneous, thermoplastic belt material (Siegling Fullsan) by melt splicing. The belt ends are continuously butt spliced in the press under the application of pressure and temperature. The required impact pressure can be set as required in the press after the butt ends are fixed in place (e.g., for poorly cut edges).

The Blizzard SHP X00 is a lightweight heating press for assembly and not designed for continuous operation. After several heating processes (5 to 8 cycles), the press needs to cool down to room temperature before it can be used again.

The Blizzard SHP X00 is available in 6 nominal widths, each of which corresponds to the inserted belt edge at a splicing angle of 90°. Each press is delivered as a set with the following components:

What's included

- Blizzard SHP basic device (230 V) with control device HPS 2-H and power and connection cable
- Tool case
- 2x laminated fabric inlays (compensation profiles made of laminated fabric, length 30 mm and 50 mm)
- 2x soft rubber films (length 50 mm)
- Adjustment aid
- 1x inlay right/left to fasten flat belt materials (smooth inlay)

Accessories (not included in the scope)

The following are also required for endless heating of form-fit belt types (Center Drive/Positive Drive):

- 1x combi-inlay left/right to fasten CD/PD belt material
- 2x suitable laminated fabric inlays each
 - Compensation profile made of laminated fabric, L = 25 mm for CD
 - Compensation profile made of laminated fabric, L = 18 mm for PD1

Soft film strips and/or silicone textured pads are required for splicing dependent upon the belt type to be spliced.

Press sets

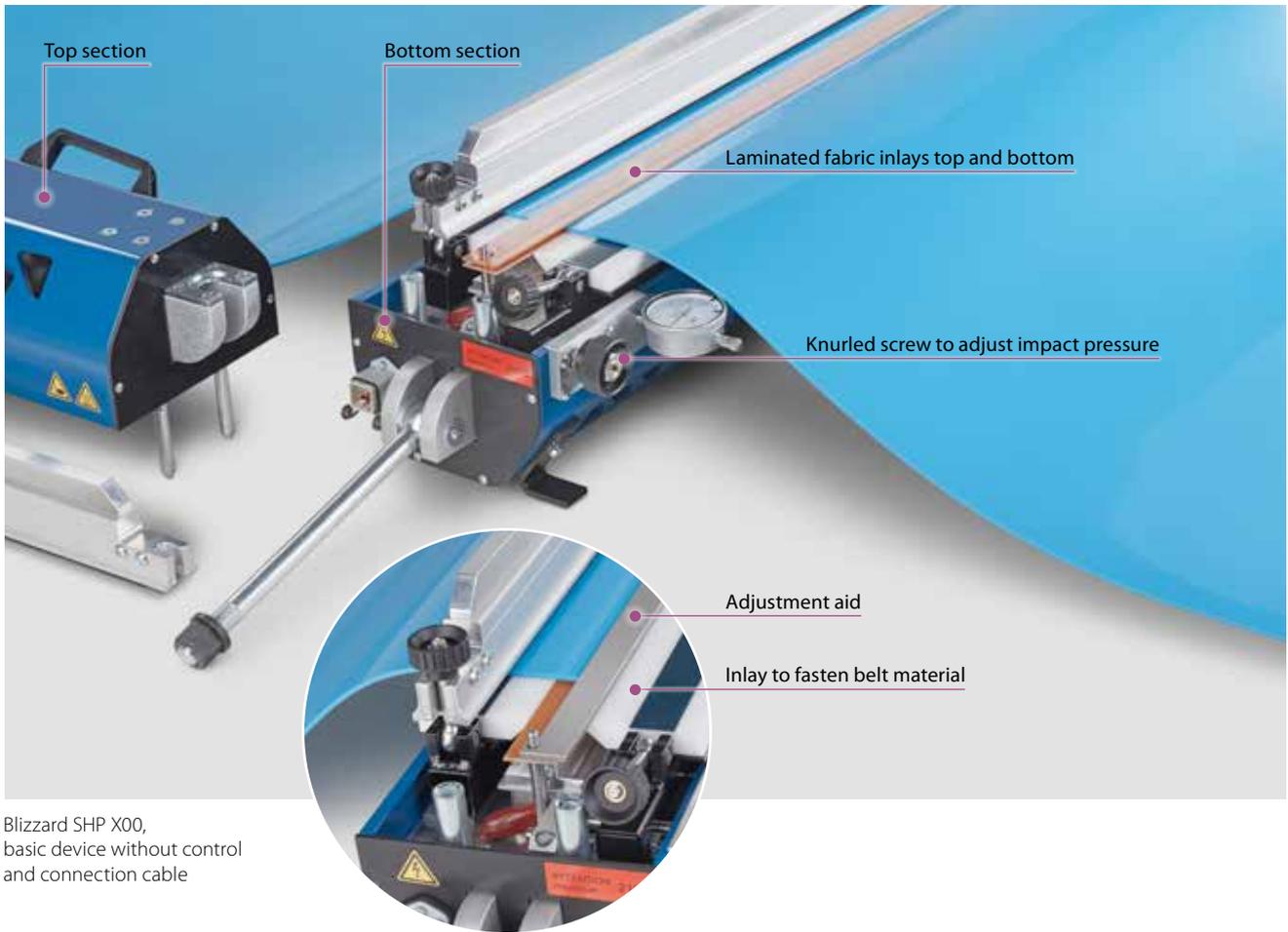
Article number for the press type:						Designation
SHP 300	SHP 600	SHP 900	SHP 1200	SHP 1500	SHP 2000	
876100	876102	876104	876106	876108		Set comprising the individual items listed above.

Accessories (not included in the scope. Need to be ordered separately).

876149	876150	876151	876152	876153	876154	1 inlay each for right/left (combi for Center Drive (CD) and Positive Drive (PD1 and PD2) belt types)
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Wearing parts/Consumables

Article number for the press type:						Designation
SHP 300	SHP 600	SHP 900	SHP 1200	SHP 1500	SHP 2000	
876130	876131	876132	876133	876134	876135	2x laminated fabric inlays 30 (compensation profile made of laminated fabric, length 30 mm, width = nominal width of the press)
876136	876137	876138	876139	876140	876141	2x laminated fabric inlays 25 (compensation profile made of laminated fabric, length 25 mm, width = nominal width of the press)
–	876072	876073	876074	–	–	2x laminated fabric inlays 18 (compensation profile made of laminated fabric, length 18 mm, width = nominal width of the press)
876142	876142	876142	876142	876142	876142	Set of shims (2 pcs., laminated fabric, length 30 mm, width 50 mm, thickness = belt thickness – 0.1 mm)
–	–	876114	–	–	–	Adjustment aid (width matches the nominal width of the press)
876143	876144	876145	876146	876147	876148	Set of matte soft film (length 50 mm, width to match the nominal width of the press)
–	–	–	–	–	–	Silicone pad for inverted pyramid pattern (NP) (length 50 mm, width to match the nominal width of the press)



Blizzard SHP X00,
basic device without control
and connection cable



Delivered in sturdy
transport box with rollers

BLIZZARD SHP X00

TECHNICAL DATA

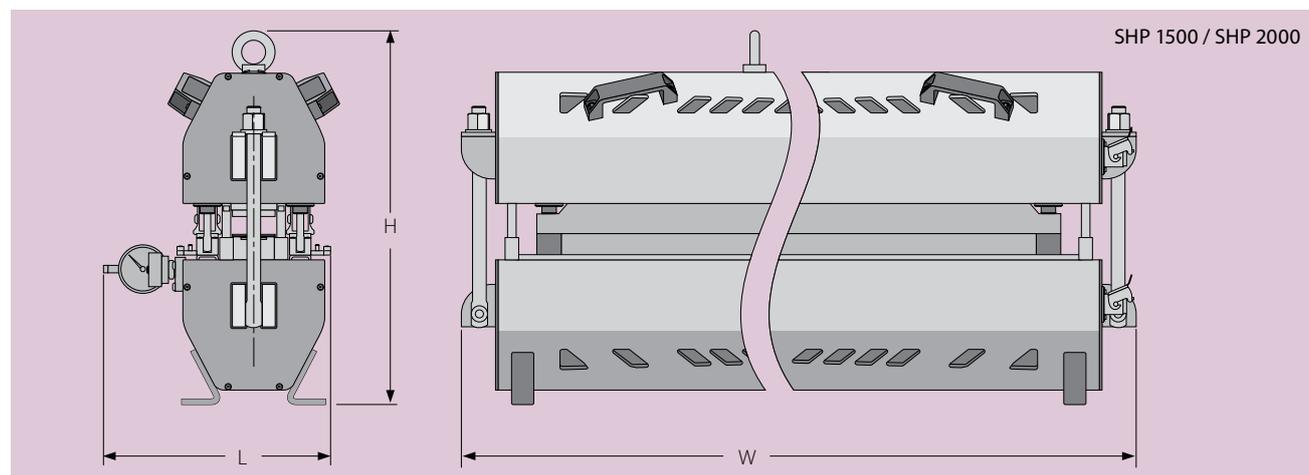
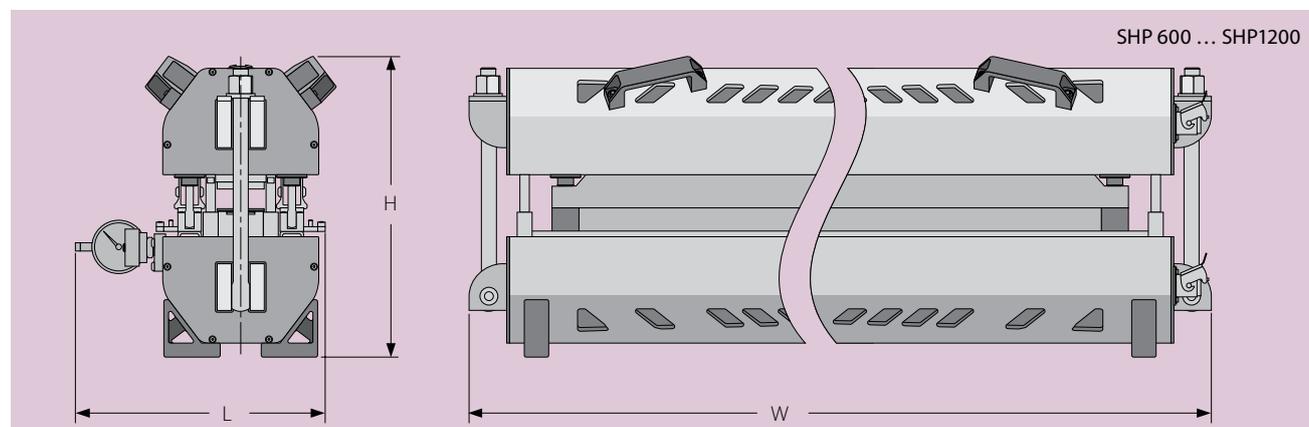
Technical data · Basic device

	SHP 300	SHP 600	SHP 900	SHP 1200	SHP 1500	SHP 2000
Belt width max. (at 90°) [mm (in)]	300 (11.8)	600 (23.6)	900 (35.4)	1200 (47.2)	1500 (59.1)	–
Belt width min. (at 90°) [mm (in)]*	–	300 (11.8)	600 (23.6)	900 (35.4)	1200 (47.2)	–
Belt length min. with belt holder [mm (in)]	approx. 840 (33)	approx. 840 (33)	approx. 840 (33)	approx. 840 (33)	approx. 1000 (39.4)	–
Butt splice – compression [mm (in)]	0–3 (0–0.12)	0–3 (0–0.12)	0–3 (0–0.12)	0–3 (0–0.12)	0–3 (0–0.12)	–
Effective heating plate width [mm (in)]	–	720 (28.3)	1020 (40.2)	1320 (52)	1620 (63.8)	–
Effective heating plate length [mm (in)]	10 (0.4)	10 (0.4)	10 (0.4)	10 (0.4)	10 (0.4)	–
Total length of heating press (L) [mm (in)]	284 (11.2)	284 (11.2)	284 (11.2)	284 (11.2)	284 (11.2)	–
Total width (W) [mm (in)]	663 (26.1)	931 (36.7)	1231 (48.5)	1531 (60.3)	1831 (72.1)	–
Total height (H) [mm (in)]	325 (12.8)	325 (12.8)	325 (12.8)	325 (12.8)	405 (15.9)	–
Total weight [kg]	approx. 28	approx. 41	approx. 57	approx. 68.5	approx. 101	–
Voltage [V]	230	230	230	230	230	–
Power [W]	not known	2 x 800	2 x 1200	2 x 1500	2 x 1800	–
Heating up time to 200°C [min]	not known	–	approx. 8	approx. 8	–	–
Cooling down time from 200°C to 45°C [min]	not known	–	approx. 9	approx. 9	–	–
Cooling medium	Air	Air	Air	Air	Air	–
Air pressure factory setting [bar]	1.2	1.2	1.2	1.2	1.2	–
Air pressure max. [bar]	2.5	2.5	2.5	2.5	2.5	–
Time for pressure generation [min]	approx. 1:00	–				
Heating temperature max. [°C]	230	230	230	230	230	–
Fans [quantity]	2	4	5	7	9	–

The figures apply to the 230 V version.

Main dimensions in mm and inches (in). All Imperial measurements have been rounded up.

* If a belt is spliced and narrower than the maximum belt width specified, the area where the belt is heated must be covered all over with belt material in the same thickness. The belt holders must also be shimmed to prevent bending.



Straightforward procedure

- Insert first belt edge and fasten using the adjustment aid
- Insert and fasten second edge; adjust impact pressure if necessary
- Close the press
- Set the pressure and splicing parameters
- Start splicing
- Once cooling is completed, loosen the belt clamps and remove the spliced belt
- Cut the sides of the spliced area



Blizzard SHP X00 | The video
Overview of procedure
<https://www.youtube.com/watch?v=48UXZNU114w>



Poorly cut belt ends are a significant source of errors in all splicing processes.

The **belt cutter BB ... /X** is therefore a practical accessory for the Blizzard SHP X00.

- Heated blade for effortless, clean cutting and perfect cut edges
- Blade ground on both sides for cutting in both directions
- Perfect cutting angles for 90°, 80° and 60° splices
- Manual drive or motorized with cordless screwdriver (not included in scope)



Siegling – total belting solutions

Committed staff, quality oriented organization and production processes ensure the constantly high standards of our products and services.

Forbo Movement Systems complies with total quality management principles. Our quality management system has ISO 9001 certification at all production and fabrication sites. What's more, many sites have ISO 14001 environmental management certification.



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Our service – anytime, anywhere

Forbo Movement Systems employs around 2,500 people in its group of companies. Our products are manufactured in ten production facilities across the world.

You can find companies and agencies with warehouses and workshops in over 80 countries.

Service points are located in more than 300 places worldwide.

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MOVEMENT SYSTEMS