

siegling blizzard®
splicing equipment

PORTABLE HEATING PRESSES



NEW:
**BLIZZARD
iCON**

SIEGLING BLIZZARD

THE TURBO-COOLED LIGHTWEIGHT COMBO PRESS

The Siegling Blizzard heating press sets new standards in terms of easy handling, superior productivity and excellent splice quality. It can be used on conveyor belts for Z-, Z-overlap and overlap-splices. It's available in two versions, as a basic model where splices are heated by pressing controls on the press itself, or as an iCON version with mobile devices controlling the procedure.

Forbo Siegling is a leading manufacturer of conveyor and power transmission belts. It offers not just first-class splicing equipment, but in-depth theoretical and application-driven splicing expertise.

The tools complement one another and guarantee efficient and durable splices due to:

- high-quality equipment with all the accessories;
- a comprehensive range of services;
- detailed instructions.

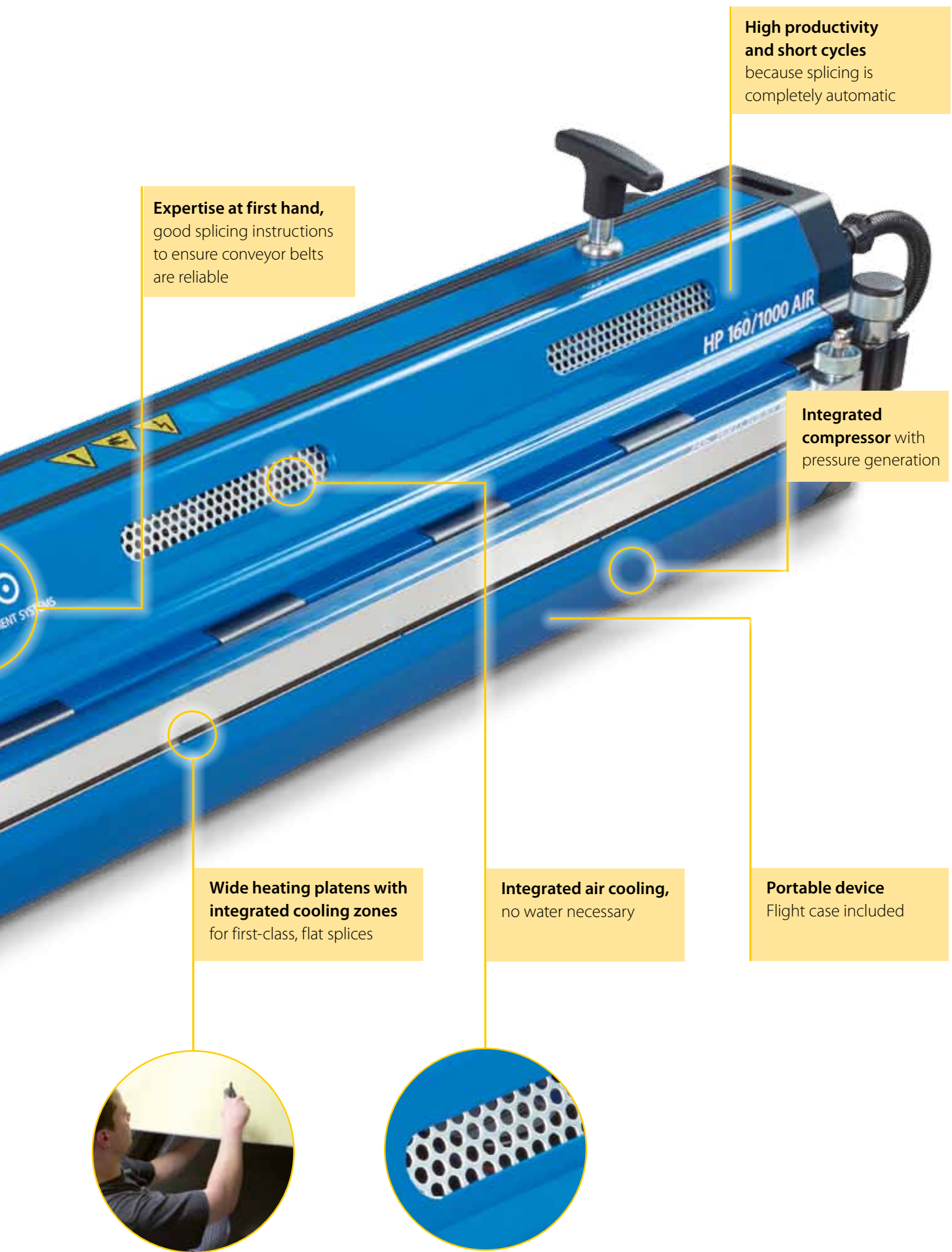
**A modern, compact
and lightweight design**

**Integrated
control**
of temperature
and pressure

OPTIONAL

**Integrated
Wi-Fi module**
for easy control
via mobile devices

iCON



High productivity and short cycles
because splicing is completely automatic

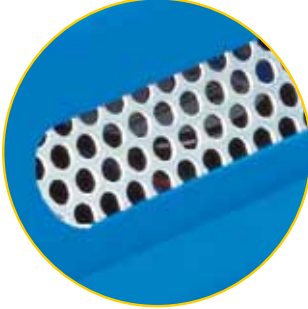
Expertise at first hand,
good splicing instructions to ensure conveyor belts are reliable

Integrated compressor with pressure generation

Wide heating platens with integrated cooling zones for first-class, flat splices

Integrated air cooling, no water necessary

Portable device
Flight case included



SIEGLING BLIZZARD

BASIC MODEL

The Siegling Blizzard is easy to use with fast cycle time. It sets new standards in splicing conveyor belts. Once you've set up the press and pressed the on button, the heating and cooling procedure in the press runs automatically.

The Siegling Blizzard press is supplied with a flight case on rollers. Because it's so compact and lightweight, it's quick and easy to set up. It's ready to use as soon as you've plugged it into the mains because there's no need to connect it to external subsystems.

- > The control unit,
- > compressor and
- > air cooling system are integrated in the press.

This saves time and costs, prevents errors during operation and ensures hygiene on site.

Because it's so straightforward to use, depending on the splice, the cycles can be cut to 8 to 15 minutes on average, while the quality of the splice is maintained.

Less downtime increases productivity.

Due to the design of the Siegling Blizzard press with its particularly wide platens and integrated cooling zone, you'll be able to make very strong splices with excellent thickness tolerances.

Good-quality splices will increase the availability of your conveyor.

First-hand expertise

Forbo Siegling would be happy to advise you on the best splice type for your application. You can find the correct parameters for each belt type and the accessories required in our HP app.

Blizzard HP 160/X00 | The web app
Device data, step-by-step instructions,
current belt-specific heating parameters
for your work on site
<https://blizzard.hp160-x00.forbo.com>



Easy to use and with consistently accurate splices



Two quick-clamping bars make inserting, positioning and affixing the ends of belts in the bottom of the press easier. These clamping bars ensure that the material stays exactly in the right position until the top of the press is applied and clamped in place.

The Siegling Blizzard press has three controllers:

- controller 1 (at the top): to program the temperature and time;
- controller 2 (in the middle): to program the temperature and time;
- controller 3 (at the bottom): to pre-set the pressure required.



As specified in the Forbo Siegling splicing instructions for different materials, temperature, dwell time and pressure are easy to set. Instructions on the display take the user systematically through the menu. The actual splicing process is carried out automatically.

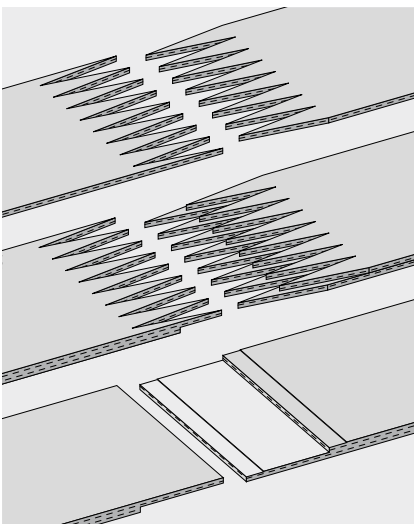
Customized parameters can be pre-set depending on the belt type, fabric and coating material. Different or the same temperatures can also be selected for the top and bottom heating platen. The dwell time can be set to the second and is shown in a countdown. The preheating cycle can be programmed gradually.

This flexibility means the Siegling Blizzard press is very versatile and can even allow welding of belts with extremely thin thermoplastic coatings, as well as thick and minimal thermally conductive belt materials where particularly stable distribution of the temperature over the whole of the heating platens is required.

The cooling zones, integrated on both sides of the heating platens, guarantee that the splice cools down evenly and ensure flat splices with exact tolerances.

Due to the special design features and the lack of any fiberglass or metal inlays that could lead to differences in pressure, the Siegling Blizzard press is ideal for top-level requirements:

- with accurate thickness over the entire width of the belt;
- with a flat surface with virtually no shine and no bumps next to the splice;
- with less shrinkage of the splice fingers;
- without the heating platens leaving any marks on the belt surface.



For detailed information on how to operate the press, refer to your Blizzard heating press operating instructions (ref. no. 326) and our HP app.

SIEGLING BLIZZARD ICON TYPE

In terms of design and functionality, Siegling Blizzard iCON heating presses are identical to the basic model and can be controlled via mobile devices thanks to an additional module.

The integrated iCON app makes using the iCON press convenient and reliable via virtually any device, whether it's a cell phone, tablet or laptop. The app can be used anywhere. It requires no internet access itself but uses WiFi net provided by the press.

The App is simple and intuitive to use. Users can retrieve pre-saved recipes, enter new parameters and save them as a recipe or just make the required settings remotely.

You can retrofit any Siegling Blizzard basic model you already have. To find out more, get in touch with us, we'd be happy to advise.

Any heating procedure can be monitored via the app in real time and is automatically stored in a detailed report. The reports can be displayed on the mobile device or exported as PDFs.

The key features:

- Intuitive usability
- Splice data management
- Documentation

Intuitive usability

The app's simple and clear user interface makes using it a breeze. Whether you want to set heating parameters, look for and load splice data or make manual entries, figuring out how to use it is almost automatic.

The iCon app makes everyone experts from the very beginning.



Managing splice data

The splicing info for many belt types is already stored in the factory on any Blizzard iCON press shipped. The app allows you to look for the belt type and relevant splicing info in this database quickly and easily.

Several thousand different recipes can be stored on the press. Quick and straightforward access to the data required makes the job much easier by saving time and guaranteeing reliability and reproducibility.

If the belt type concerned is not yet in the database, new parameters can, of course, be entered manually and saved as a recipe.

With a big memory that produces results fast.



Can be used anywhere

The Blizzard iCON press doesn't need a internet connection. The press emits a Wi-Fi signal for the mobile device to pick up. Therefore, the Blizzard iCON press can also be used in any shielded rooms.



Documentation

Monitor any heating procedure on your mobile device live. As a result, you'll be able to see all the key heating parameters without being near the press:

- Temperature curves of the top and bottom heating platen
- Time



The detailed report with a heating diagram is stored automatically in the heating press. The mobile device can retrieve the report at any time or export it to the device as a PDF. The PDF lets you access a report without having to be connected to the heating press.

Documented quality – live or as a record at any time.

WI_20000101015345

Company

User: Andresen, Hauke
FORBO
Lilienthalstraße 6-8
30179 Hannover Deutschland
+49 511 6704 207
bernd.westermann@forbo.com

Customer

Code: 1234567890
Test Company
Testroad 1
11111 Testcity Testcountry
001 2345 56789
person@testmail.com

Machine setup (S/N: 00000000)

Top controller
SP Splice temperature 150 °C
SP_0 Stepped temperature 30 °C
W6ON Dwell time (stepped temperature) 0 s

Bottom controller
SP Splice temperature 150 °C
SP_0 Stepped temperature 30 °C
SOAK Dwell time (splice temperature) 120 s
W6ON Dwell time (stepped temperature) 0 s
AL_1 Cooling temperature 40 °C

Pressure
Pr Maximum working pressure 2.5 BAR

Belt

Reference
900085
Name
E 3/2 U0/U2 NA WHITE
Splice type
Name
Z 70:11,5

Job summary

Date2000-01-01 01:53:45Heating time03m21s

Duration26m17sHolding time02m00s

ResultSuccessfulCooling time20m56s

Profile

Notes

Date and signature

SIEGLING BLIZZARD

APPLICATION TRAINING

Training

Forbo Siegling has decades of experience in making and using conveyor and power transmission belts.

We can offer you training so that you can learn some of these skills, how to prepare belts properly, the splicing procedure itself and how to use the tools. With just a little training, you can achieve consistent splicing quality.

The Siegling Blizzard heating press is available in six different widths of 300 mm to 1500 mm. It operates with the most popular voltages. Depending on the model, the heating press can be used to make thermoplastic splices in belts up to widths of 1500 mm.

All presses comply with EC-Directives:

- Machine Safety Directive 2006/42/EC, Low Voltage
- Equipment Directive 2006/95/EC,
- Electromagnetic Compatibility Directive 2004/108/EC.



SIEGLING BLIZZARD

TECHNICAL INFORMATION

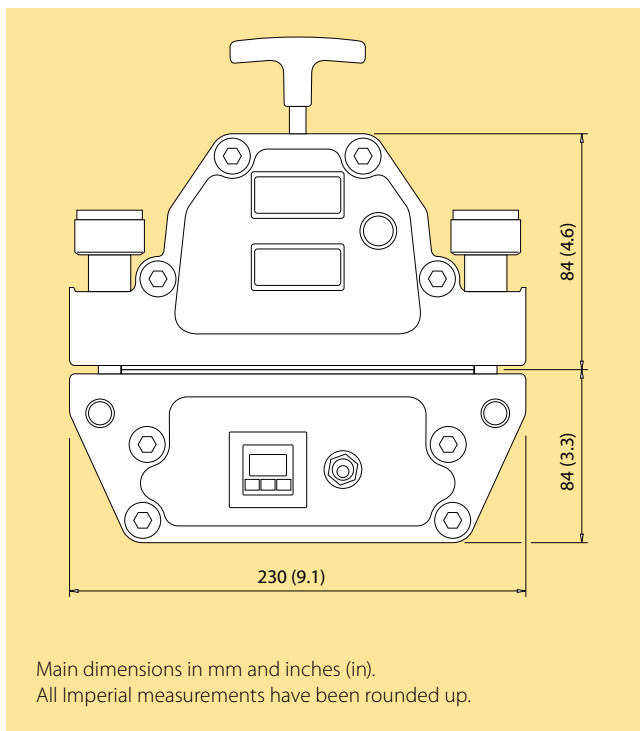
Basic model

	Blizzard HP 160/400 AIR	Blizzard HP 160/600 AIR	Blizzard HP 160/800 AIR	Blizzard HP 160/1000 AIR	Blizzard HP 160/1200 AIR	Blizzard HP 160/1500 AIR
Effective belt width [mm (in)]	400 (15.7)	600 (23.6)	800 (31.5)	1000 (39.4)	1200 (47.2)	1500 (59)
Effective splice length max. [mm (in)]	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)
Weight bottom part [kg (lb)]	12 (26.5)	15.8 (34.8)	19.1 (42.1)	22.5 (49.6)	26.2 (57.8)	31 (68.3)
Weight top part [kg (lb)]	14.6 (32.2)	18.6 (41)	22.7 (50)	26.9 (59.3)	30.9 (68.1)	36.8 (81.1)
Total weight [kg (lb)]	26.6 (58.6)	34.4 (75.8)	41.8 (92.1)	49.4 (108.9)	57.1 (125.9)	67.8 (149.5)
Length [mm (in)]	590 (23.2)	790 (31.1)	990 (39)	1190 (46.8)	1390 (54.7)	1690 (66.5)
Width [mm (in)]	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)
Height top part [mm (in)]	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)
Height bottom part [mm (in)]	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)
Pressure max. [bar (psi)]	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2 (29)
Max. temperature [°C (°F)]	200 (392)	200 (392)	200 (392)	200 (392)	200 (392)	200 (392)
Transport sizes (LxWxH) [mm]	875 x 370 x 350	875 x 370 x 350	1275 x 370 x 350	1275 x 370 x 350	1775 x 370 x 350	1775 x 370 x 350
Transport sizes (LxWxH) [in]	34.5 x 14.6 x 13.8	34.5 x 14.6 x 13.8	50.2 x 14.6 x 13.8	50.2 x 14.6 x 13.8	69.9 x 14.6 x 13.8	69.9 x 14.6 x 13.8
Weight when transported [kg (lb)]	42.1 (92.8)	49.9 (110)	61.9 (136.5)	69.5 (153.2)	83.8 (184.8)	94.5 (208.3)
Power requirements						
1 Phase [Volt / Ampere / Watt] article number	230V / 9 A / 2200W Art. No. 873399 110V / 14 A / 1520W Art. No. 873400	230V / 14 A / 3200W Art. No. 873401 110V / 14 A / 1520W Art. No. 873402	230V / 16 A / 3680W Art. No. 873403 110V / 14.5 A / 1600W Art. No. 873404	230V / 16 A / 3680W Art. No. 873405 110V / 14 A / 1484W Art. No. 873406	230V / 16 A / 3680W Art. No. 873409	230V / 19.5 A / 4500W Art. No. 873412 230V / 16.0 A / 3680W Art. No. 873413 230V / 13.0 A / 3000W Art. No. 873414
3 Phase [Volt / Ampere / Watt] article number				400V / 11 A-5.5 A-5.5 A / 7600W Art. No. 873407	400V / 12 A-6.0 A-6.0 A / 8990W Art. No. 873408 480V / 11 A-5.5 A-5.5 A / 8900W Art. No. 873410	400V / 16 A-8.0 A-8.0 A / 11072W Art. No. 873411 480V / 13 A-6.5 A-6.5 A / 10700W Art. No. 873415

iCON type

	Blizzard HP 160/400 AIR iCON	Blizzard HP 160/600 AIR iCON	Blizzard HP 160/800 AIR iCON	Blizzard HP 160/1000 AIR iCON	Blizzard HP 160/1200 AIR iCON	Blizzard HP 160/1500 AIR iCON
Effective belt width [mm (in)]	400 (15.7)	600 (23.6)	800 (31.5)	1000 (39.4)	1200 (47.2)	1500 (59)
Effective splice length max. [mm (in)]	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)	160 (6.3)
Weight bottom part [kg (lb)]	12 (26.5)	15.8 (34.8)	19.1 (42.1)	22.5 (49.6)	26.2 (57.8)	31 (68.3)
Weight top part [kg (lb)]	14.6 (32.2)	18.6 (41)	22.7 (50)	26.9 (59.3)	30.9 (68.1)	36.8 (81.1)
Total weight [kg (lb)]	26.6 (58.6)	34.4 (75.8)	41.8 (92.1)	49.4 (108.9)	57.1 (125.9)	67.8 (149.5)
Length [mm (in)]	590 (23.2)	790 (31.1)	990 (39)	1190 (46.8)	1390 (54.7)	1690 (66.5)
Width [mm (in)]	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)	230 (9.1)
Height top part [mm (in)]	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)	118 (4.6)
Height bottom part [mm (in)]	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)
Pressure max. [bar (psi)]	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2.5 (36.3)	2 (29)
Max. temperature [°C (°F)]	200 (392)	200 (392)	200 (392)	200 (392)	200 (392)	200 (392)
Transport sizes (LxWxH) [mm]	875 x 370 x 350	875 x 370 x 350	1275 x 370 x 350	1275 x 370 x 350	1775 x 370 x 350	1775 x 370 x 350
Transport sizes (LxWxH) [in]	34.5 x 14.6 x 13.8	34.5 x 14.6 x 13.8	50.2 x 14.6 x 13.8	50.2 x 14.6 x 13.8	69.9 x 14.6 x 13.8	69.9 x 14.6 x 13.8
Weight when transported [kg (lb)]	42.1 (92.8)	49.9 (110)	61.9 (136.5)	69.5 (153.2)	83.8 (184.8)	94.5 (208.3)
Power requirements						
1 Phase [Volt / Ampere / Watt] article number	230V / 9 A / 2200W Art. No. 873417 110V / 14 A / 1520W Art. No. 873418	230V / 14 A / 3200W Art. No. 873419 110V / 14 A / 1520W Art. No. 873420	230V / 16 A / 3680W Art. No. 873421 110V / 14.5 A / 1600W Art. No. 873422	230V / 16 A / 3680W Art. No. 873423 110V / 14 A / 1484W Art. No. 873424	230V / 16 A / 3680W Art. No. 873427	230V / 19.5 A / 4500W Art. No. 873430 230V / 16.0 A / 3680W Art. No. 873431 230V / 13.0 A / 3000W Art. No. 873432
3 Phase [Volt / Ampere / Watt] article number				400V / 11 A-5.5 A-5.5 A / 7600W Art. No. 873425	400V / 12 A-6.0 A-6.0 A / 8990W Art. No. 873426 480V / 11 A-5.5 A-5.5 A / 8900W Art. No. 873428	400V / 16 A-8.0 A-8.0 A / 11072W Art. No. 873429 480V / 13 A-6.5 A-6.5 A / 10700W Art. No. 873433

Main dimensions



Power supply

Unless otherwise specified, all presses will be supplied without a plug attached.

An appropriate plug can be fitted for a small additional charge on request. Please state the type of plug required when you order.

Items included

- The Siegling Blizzard heating press with integrated cooling, compressor and control; optionally with an additional iCON module
- Silicone pads for the top and bottom
- Flight case with rollers
- Detailed operating instructions



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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Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs around 2,400 people. 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. Forbo Siegling service points are located in more than 300 places worldwide.

Forbo Siegling GmbH

Lilienthalstrasse 6/8, D-30179 Hannover
Phone +49 511 6704 0
www.forbo-siegling.com, siegling@forbo.com



MOVEMENT SYSTEMS