

PRODUCT DATA SHEET

Sarnamatic-681

AUTOMATIC HOT AIR WELDING MACHINE FOR SYNTHETIC SHEET WATERPROOFING MEMBRANES

DESCRIPTION

The Sarnamatic-681 must only be used for the hot air welding of synthetic polymer based sheet waterproofing membrane seams. The Sarnamatic-681 is equipped with a microcontroller that controls the welding parameters. All of the necessary instructions and technical details are also included in the operating manual which is supplied and delivered in every Sarnamatic-681 package. Since we pursue a policy of continuous product improvement, we reserve the right to modify the Sarnamatic-681 without prior notification.

USES

The Sarnamatic-681 is suitable for the welding of all Sika Sarnafil® and Sikaplan® synthetic waterproofing membranes.

When used on a sloping roof the machine must be secured and guided at all times. The maximum inclination of slopes suitable for its use are:

- Max. 25° when welding in the direction of the roofing slope.
- Max. 15° when welding perpendicular to the roofing slope.

The Sarnamatic-681 can be operated with a single-phase power supply of 230VAC, or a 3-phase 400VAC supply. By using the 'Conversion Kit', which is available on request, the Sarnamatic-681 can be converted from 230VAC to 400 VAC, or from 400VAC to 230VAC.

To convert the power supply from 400 VAC to 230 VAC (or vice versa) the heating elements and the power supply cable must be exchanged. The machine then automatically detects which voltage is being supplied.

For professional use only.

Warning:

Voltage supply - Touching live components and connections may be fatal.

All relevant local regulations for the use of electrical equipment must be fully complied with.

CHARACTERISTICS / ADVANTAGES

The Sarnamatic-681 welding machine is suitable for use on horizontal and sloped roofs with a suitably supported, solid and even surface substrates.

APPROVALS / STANDARDS

EC Directive(s): 2006/42/EC, 2004/108/EC, 2006/95/EC, 2011/65/EU

Harmonised standards: EN 12100 EN 55014-1, EN 55014-2, EN 61000-6-2

EN 61000-3-2, EN 61000-3-12, EN 61000-3-3, EN 61000-3-11 (Zmax)

EN 62233, EN 60335-1, EN 60335-2-45, EN 50581

PRODUCT INFORMATION

Packaging	The Sarnamatic-681 must always be transported in the metal carrying case as it is originally supplied. Transportation with lifting equipment on site etc. (e.g. by crane, forklift, hoist etc.) must also always be undertaken in the metal carrying case supplied. If lifting equipment is not available on site, then the welding weight can be dismantled and reinstalled before the machine is used. This permits the machine to be carried manually by the handle. Never fix the Sarnamatic-681 or the handles of the metal carrying case directly onto crane hooks, or other lifting hooks for transportation!		
Shelf Life	not applicable		
Storage Conditions	The Sarnamatic-681 needs to be allowed to cool down and must be cleaned thoroughly before putting the machine and its accessories back in the metal carrying case. Store the Sarnamatic-681 in its original carrying case as supplied and in clean, dry conditions.		
Dimensions	Weight incl. all accessories and metal carrying case	68 kg	150.5 lbs
	Height/Length/Width (metal carrying case)	460x750*x480* mm	18.1x29.5*x18.9 inches
	*incl. handles and locking caps		

MAINTENANCE

Please refer to the operating manual for the full maintenance requirements and procedures for the Sarnamatic-681.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions

of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

Protective Measures: Fresh air ventilation must be provided, when working (welding) in closed rooms. All relevant local electrical equipment and working safety regulations must be fully observed.

Transportation Class: The product is not classified as hazardous goods for transport.

Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

Manual: Before using the Sarnamatic® 681, it is mandatory to carefully read the Machine Operating Manual (supplied as an integral part of each delivery).

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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PROVISIONAL PRODUCT DATA SHEET

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