



Installation - Manual

HW - Acoustic Housing

**Solflex GmbH
Am Feuerstein 282
2392 Wienerwald
Austria**

**T: +43223820336
E: office@solflex.eu
www.solflex.eu**

**ATU 65324348
FN 337206t**

**Always observe all relevant standards and
statutory regulations**

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1. General information

Solflex produces SonaSafe acoustic housing for a wide range of Heat Pump, Air Conditioning and Refrigeration systems.

This manual applies to the following series:

SonaSafe HW* Serie

2. Technical Data



Stable, insulated box body with a completely dismantlable body.

All housing components are corrosion resistant. For the exact separation of the air duct between intake and blow-out an air-tight air separation part between the noise insulation housing and the air conditioning / refrigeration unit or heat pumps is provided. This air separation unit must be attached on site to the air conditioning / refrigeration unit or heat pumps using the supplied adhesive pads. The panels on the top, as well as on the left and right side of the silencer housing can be dismantled using screw connections for optimum access and service of the equipment. The complete construction is optimized for the operation of air conditioning / refrigeration appliances and heat pumps.

Principle	SonaSafe Typ	Edition	Housing dimensions [mm]			Weight [kg]	Max. dimensions for installation		
			H	W	D		H	W	D
Rear suction front discharge	HW100NP	Black plastic	758	1165	1200	50	655	1060	490
	HWY100NP		1002	1165	1200	70	900	1060	490
	HW200NP		1489	1165	1200	90	1390	1060	490
	HWY200NP		1733	1165	1200	110	1650	1060	490

3. Warranty

24 months from delivery.

4. Safety

In the event of improper operation or operation for a purpose other than the intended, there is however a risk of serious or even fatal injury to persons and a risk of damage to the unit and other property.

4.1. Intended use

The unit must only be used as acoustic housing for compatible Heat Pump, Air Conditioning and Refrigeration systems. Any other use is strictly prohibited.

4.2. Safety instructions

All work about the assembly, installation and commissioning of the unit must be carried out by specially trained technicians.

4.2.1. Risks during unloading and transportation



Risk of serious injury from dislodged loads.
Do not stand under suspended loads.

Risks from electric power



Risk of electric shock from electrostatic charge of housing: Earth the device.

4.2.2. Risk of damage to property and the environment



Serious damage to property from dropping loads; please observe the instructions in section "Delivery of product".

Serious damage to heat exchanger connections, panelling and other mounted components from force impact during moving of unit elements; **always move the unit elements by their base frame.**

Risk of damage to components from heavy impact, e.g. when attempting to dislodge a part with a hammer, etc.: **Components that rest on the foundation must only be moved by shifting.**

4.3. Emergency procedures

4.3.1. Fire fighting

Strictly adhere to all statutory fire safety regulations.
The insulation foam has a fire behaviour according norm.

5. Product delivery

Upon delivery, inspect the product for damage caused during transport and ensure that the delivery is complete. Record any damage or missing parts on the transport documents. Complaints regarding obvious transport damage or incomplete deliveries cannot be considered if made too late.

On the construction site, protect the unit against dirt, impact and the elements.

5.1. Unloading / transport to location of installation

This unit is shipped in parts on a pallet. For unloading, lift the unit by the pallet.

Too short forks can damage the acoustic housing.



Risk of serious injury or damage to property from dropping loads. Observe the safety instructions of the transport equipment and lifting gear.

Do not climb onto the unit.

6. Installation of unit



NOTICE

At the place of installation, it must be possible to provide impeccable service and maintenance and the necessary air intake of the built-in air-conditioning, refrigeration and heat pump units.

When planning the installation site, the guide lines for minimum distances around the air-conditioning, refrigeration and heat pump manufacturer must be respected.

The **acoustic louvre**, on the suction and exhaust sides has a **depth of 200mm** and the site must enable this to remove to have access to the built-in air conditioning, refrigeration and heat pump equipment.

Important NOTE:



CAUTION









Please always use the required safety work gear during installation.

Due to the packaging materials and the production process, personal injury may occur, such as hand injuries.

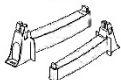








If the soundproof housing is freely accessible, the necessary measures during assembly should be taken to local conditions to avoid personal injury.

6.1. Installation HW100NP/HW200NP and HWY100NP/HWY200NP



	HW100NP	HWY100NP	HW200NP	HWY200NP
Wings 	5 pairs	7 pairs	11 pairs	13 pairs
Side panels 	2			
Roof 	1			
Splitter 	1			2
U-profile 	1			
L-profile 	2			
H-profile 	/			1
Self-drilling screw 	20	20	36	36

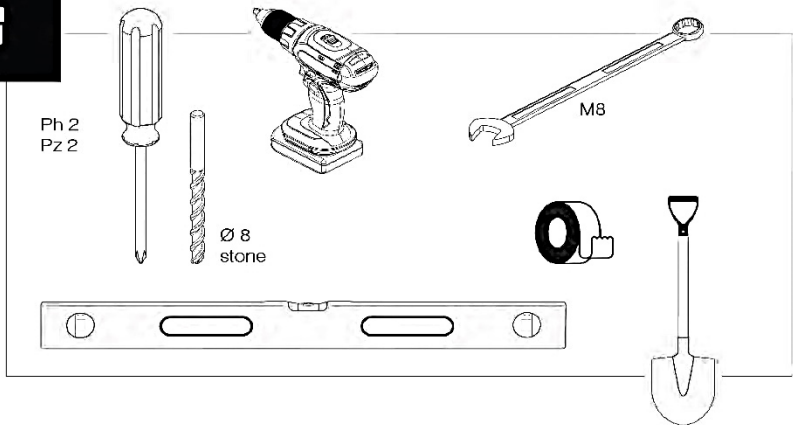


	HW100NP	HWY100NP	HW200NP	HWY200NP
Feet 		6		
Wind safety washer 		4		
Wind safety gripper 		4		
Wind safety cable 		4		
Washer 		6		
Anchoring screw 		6		
Plug 		6		
RECOMMENDED OPTION				
Roof plinths:  690 x 160 x 80mm		2		



ORIGINAL OPTION

MOUNTING PLATES / C ONLY			
HW100NP	HWY100NP	HW200NP	HWY200NP
		16x	
		16x	
ROOF PLINTHS			
HSW100NP	HSWY100NP	HW(Y)(1)(2)00NP	
720 x 160 x 80mm	760 x 160 x 80mm	630 x 160 x 80mm	





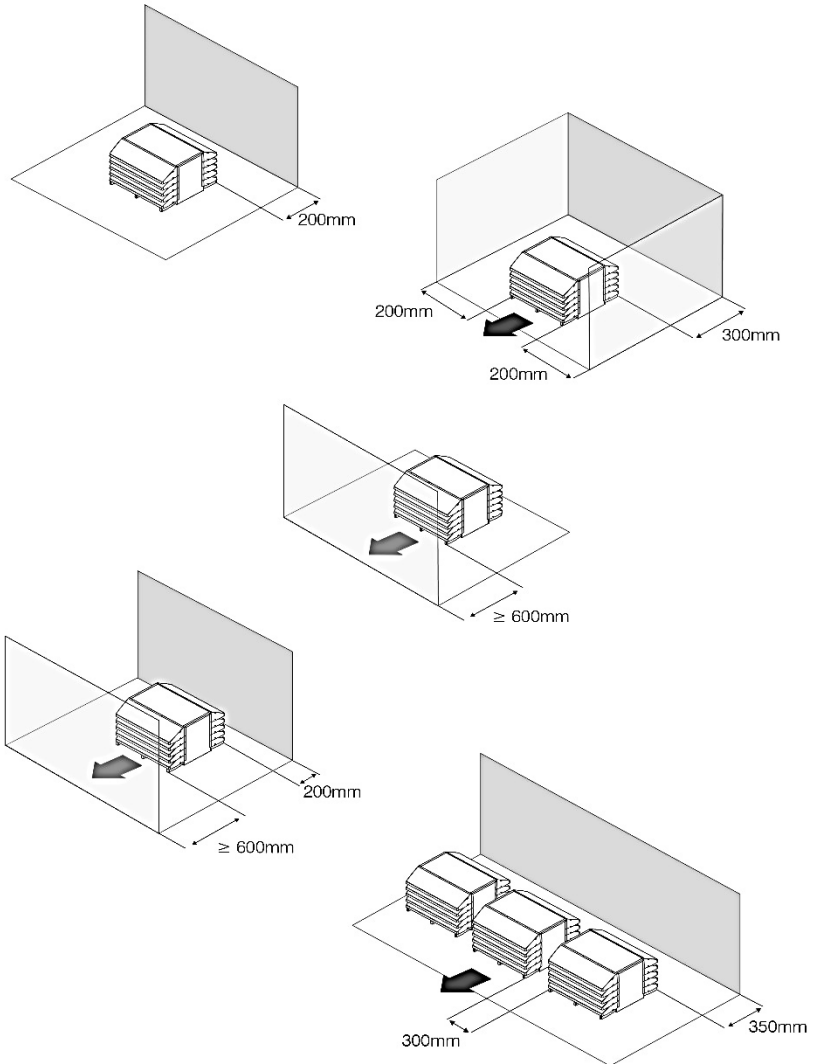
LOCAL SUPPLIER

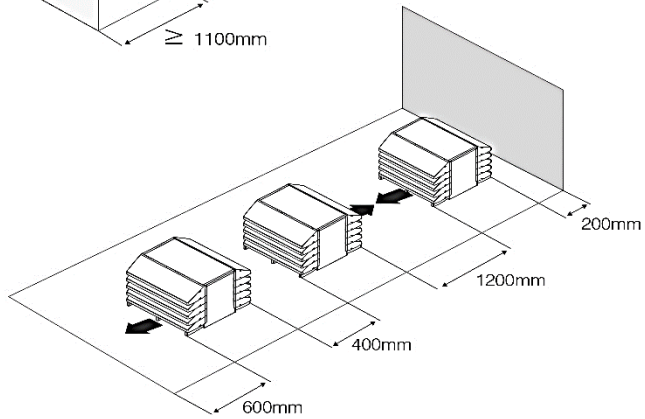
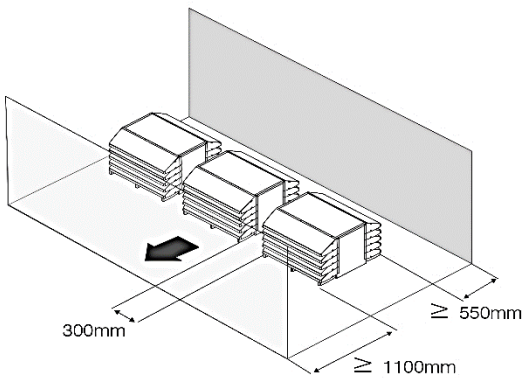
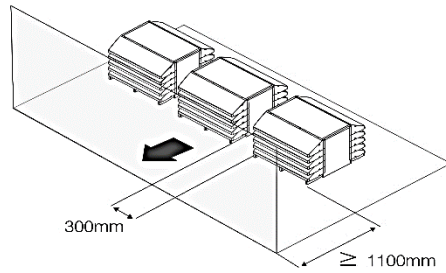
A 3pcs **C** 2pcs

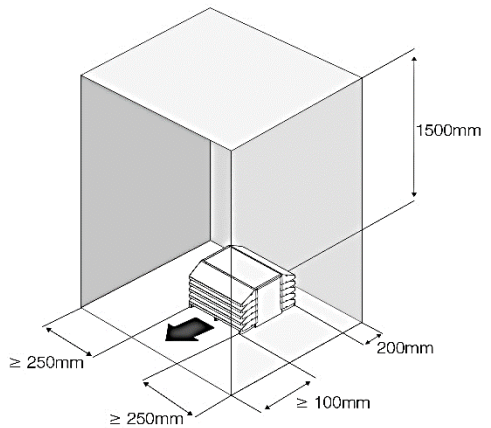
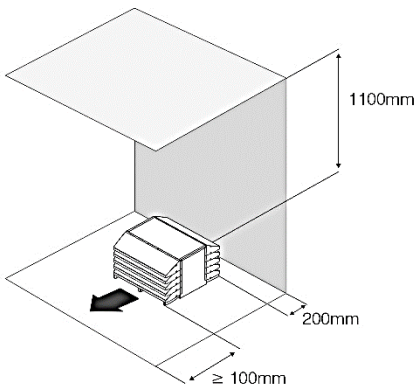
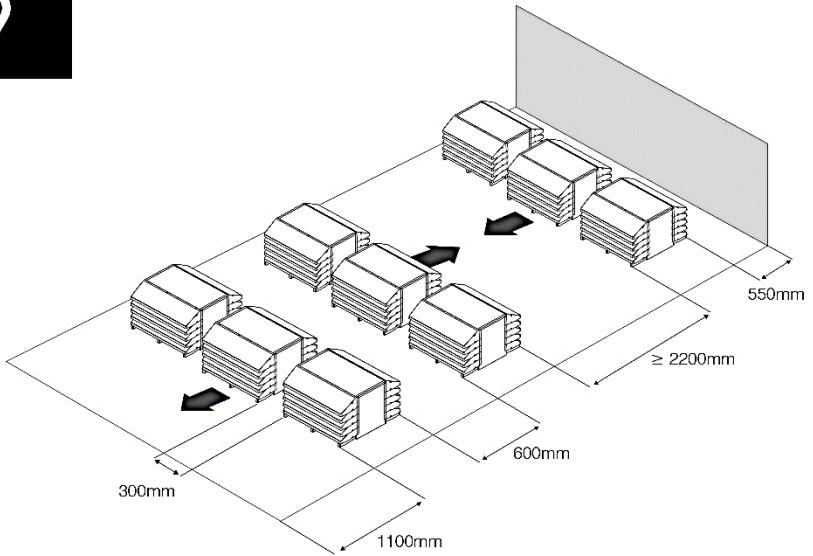
CONCRETE SLEEPERS

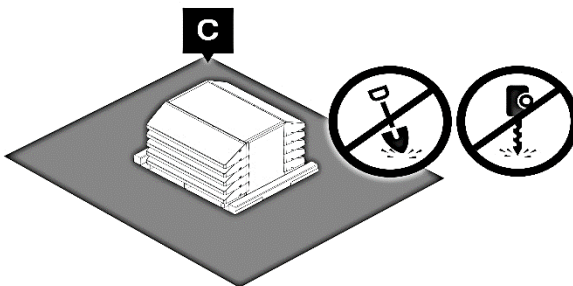
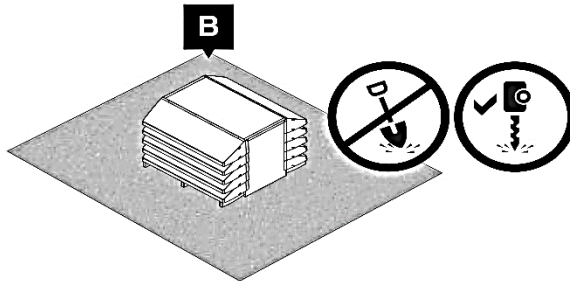
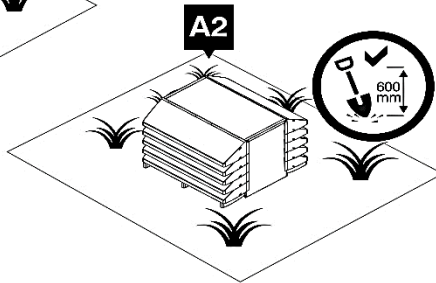
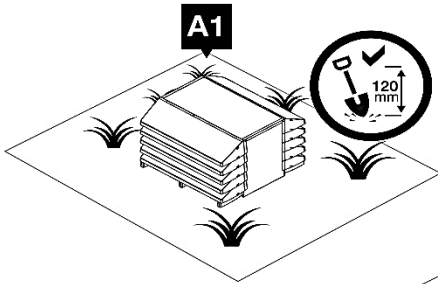
HW100NP	HWY100NP	HW200NP	HWY200NP
 <div style="background-color: black; color: white; padding: 5px; width: fit-content; margin: 0 auto;">Min 20kg</div>	 <div style="background-color: black; color: white; padding: 5px; width: fit-content; margin: 0 auto;">Min 25kg</div>	 <div style="background-color: black; color: white; padding: 5px; width: fit-content; margin: 0 auto;">Min 35kg</div>	 <div style="background-color: black; color: white; padding: 5px; width: fit-content; margin: 0 auto;">Min 55kg</div>

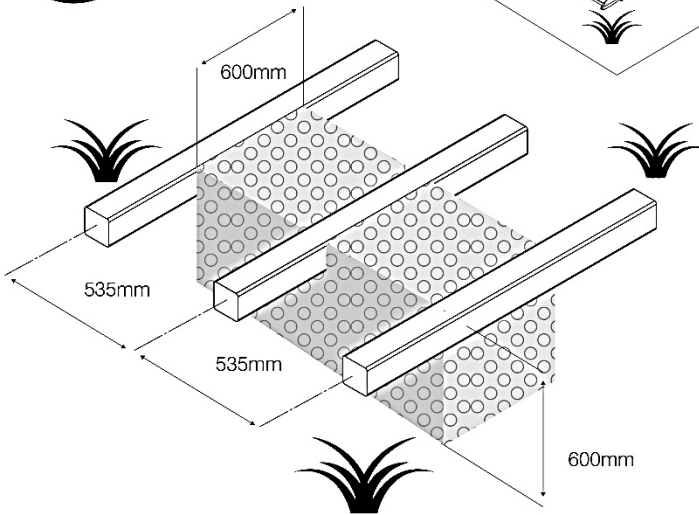
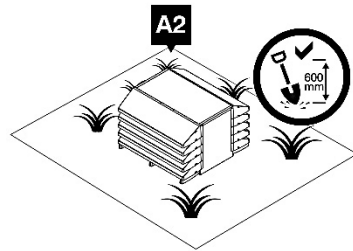
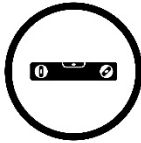
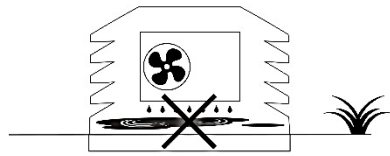
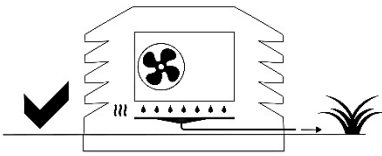
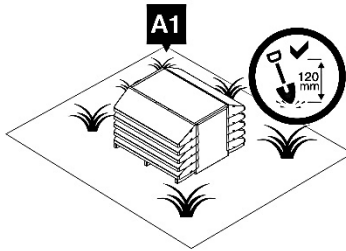
Concrete sleepers	HW(Y)(1)(2)00NP	HSW100NP	HSWY100NP
L	1200	1290	1330

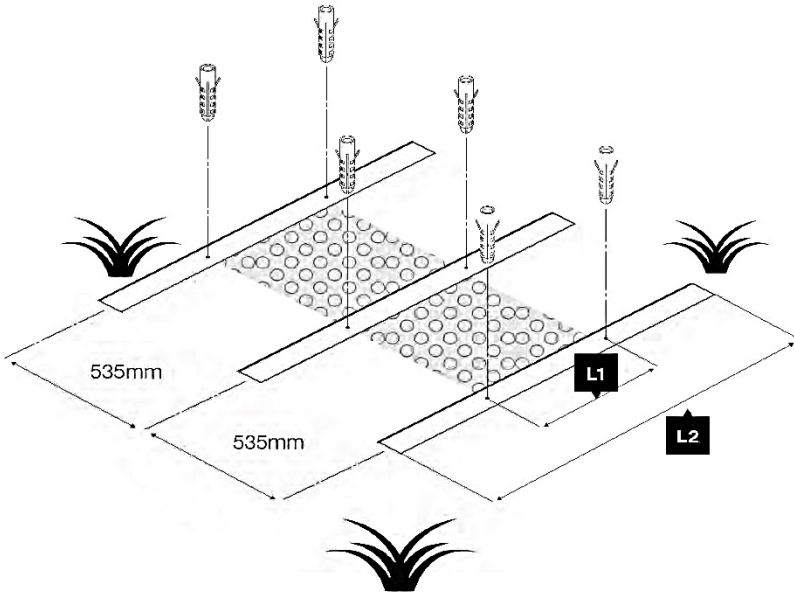




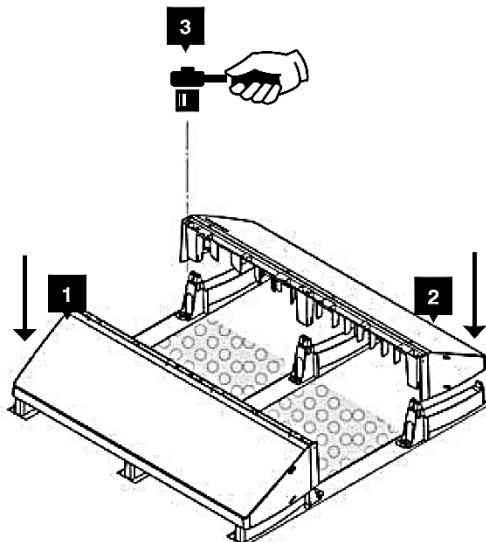
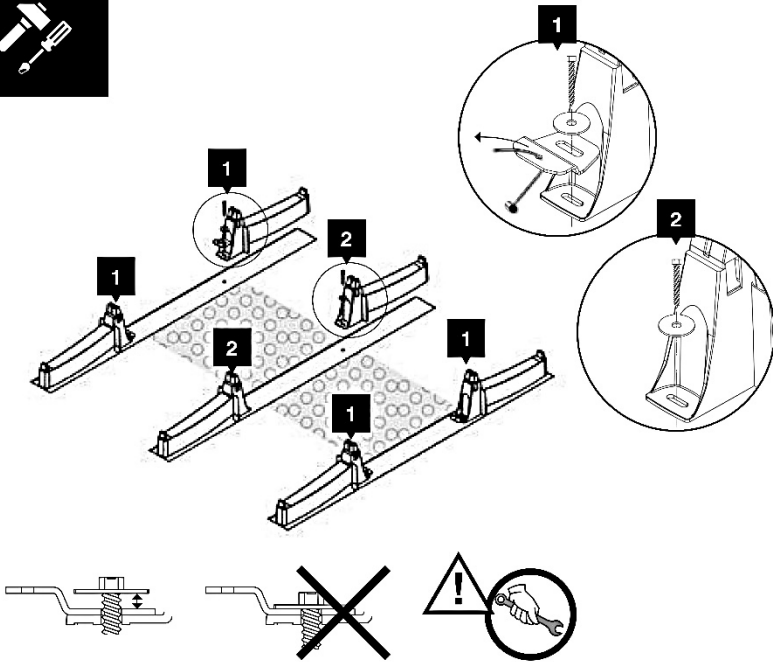


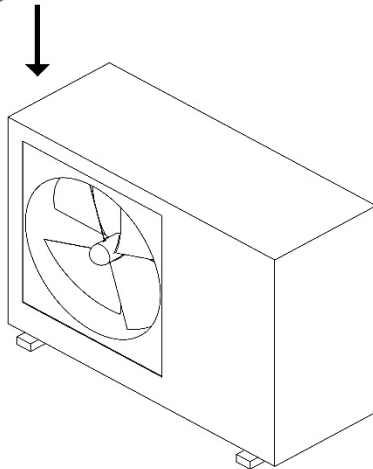
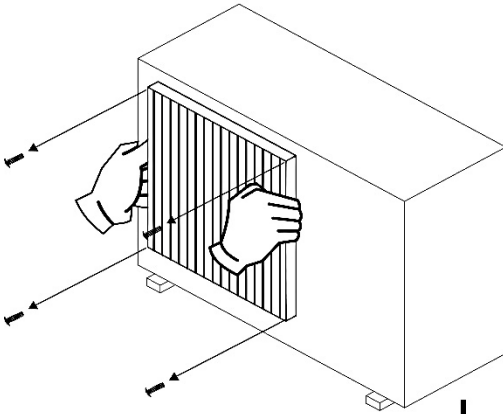
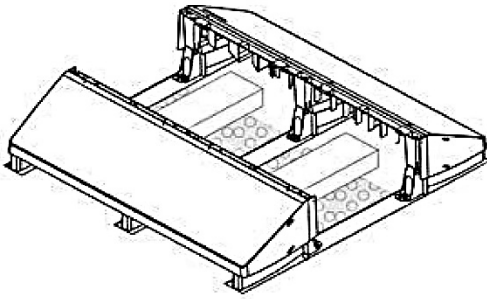


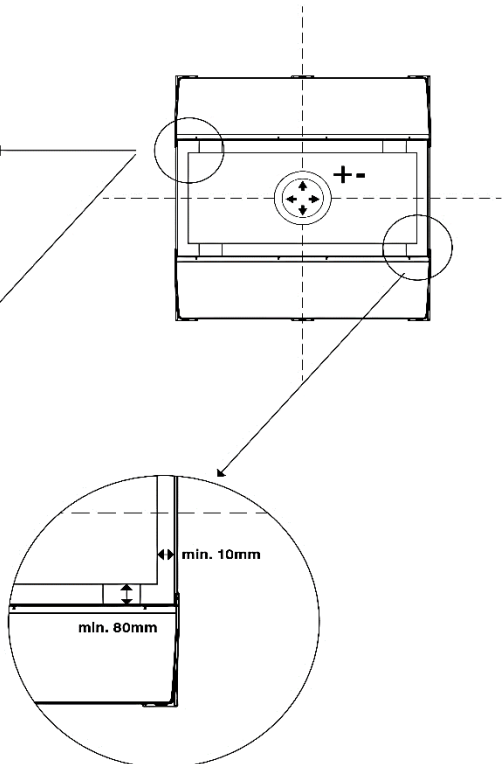
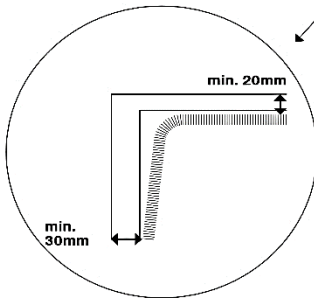
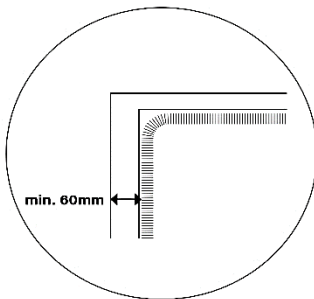
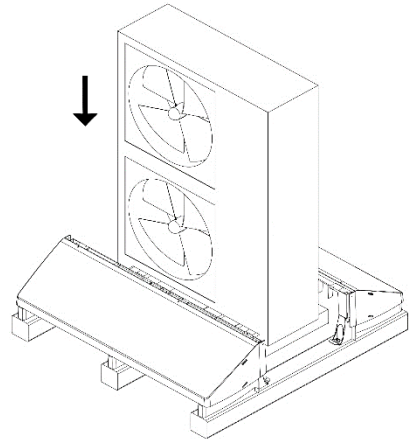
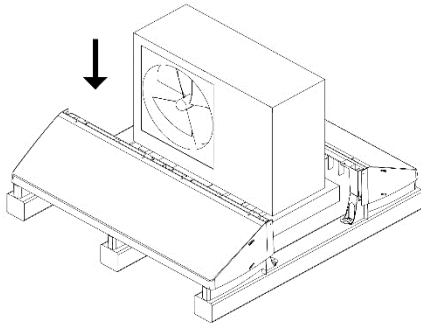


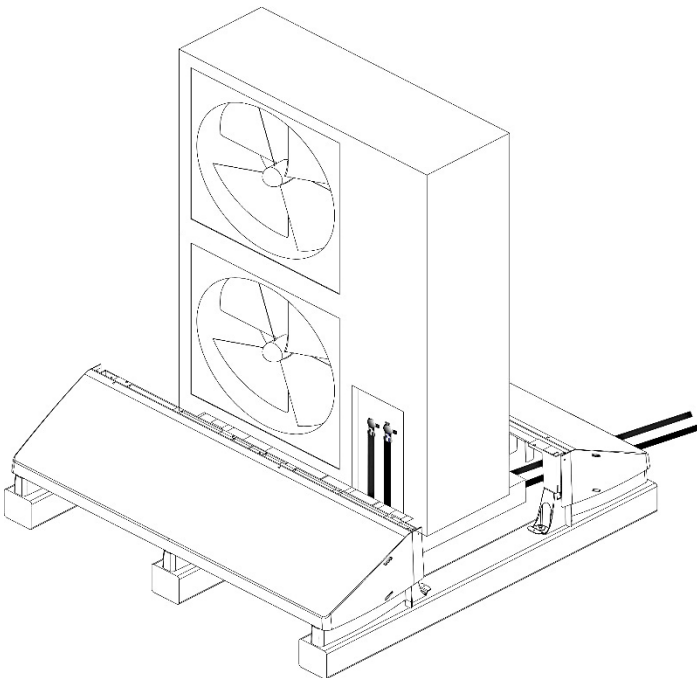
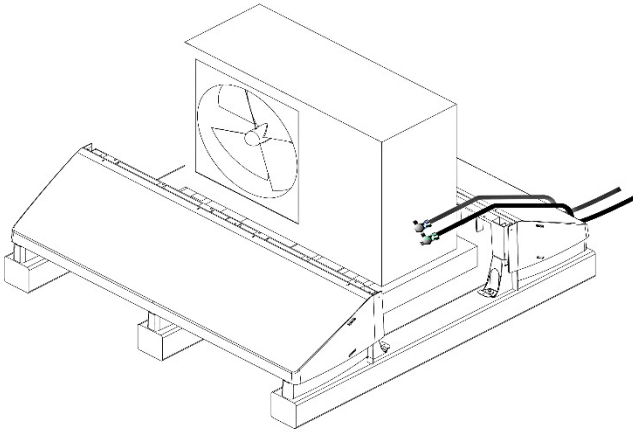


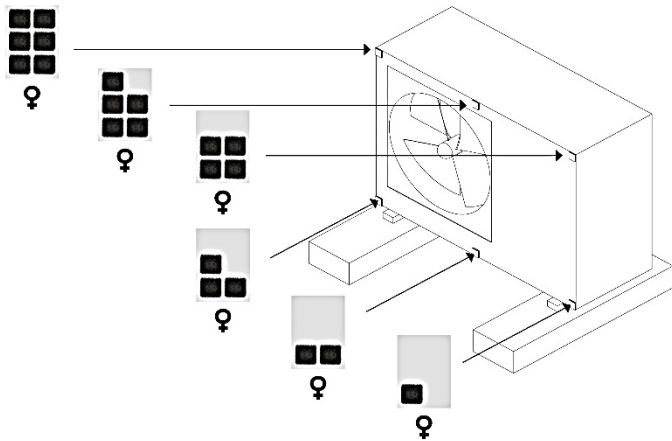
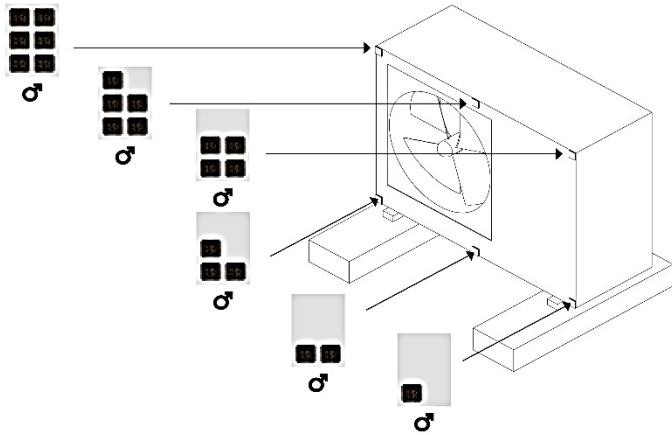
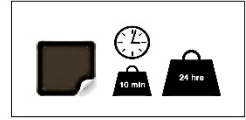
	HW(Y)(1)(2)00NP	HSW100NP	HSWY100NP
L1	453	543	583
L2	1200	1290	1330

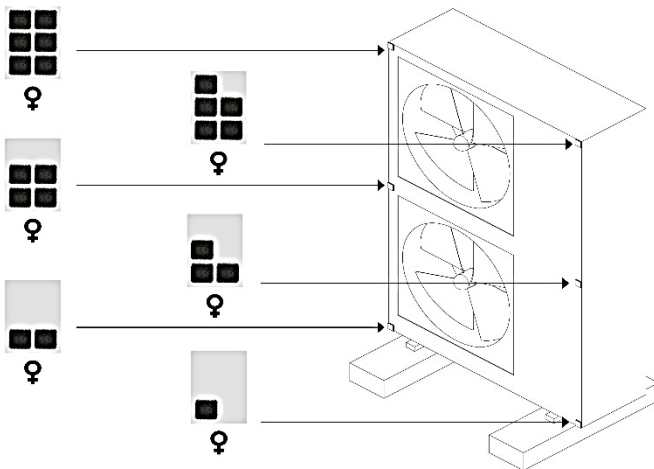
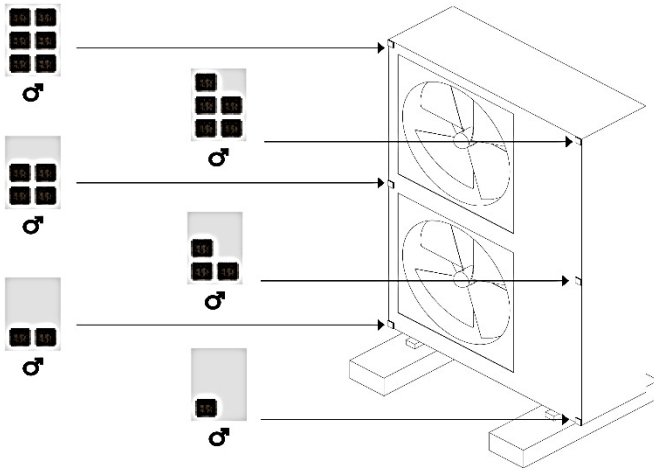


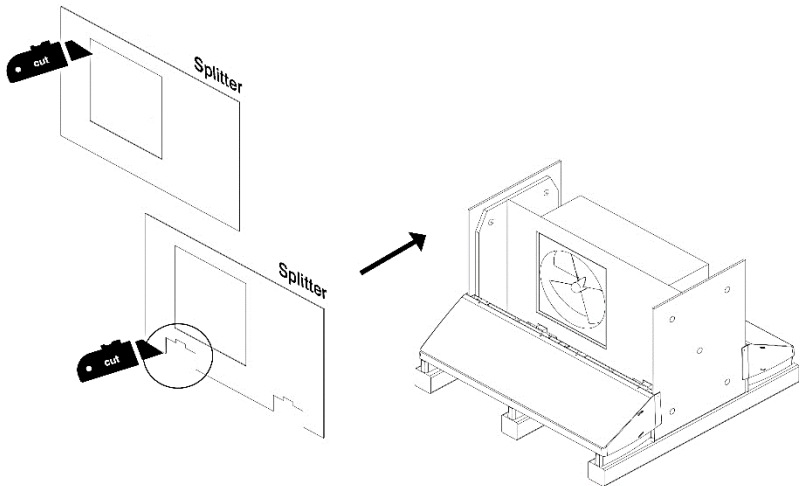
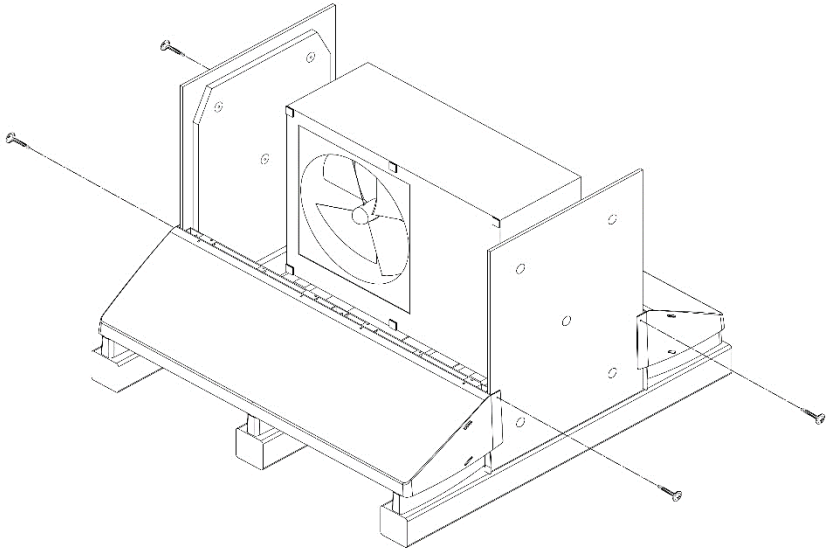


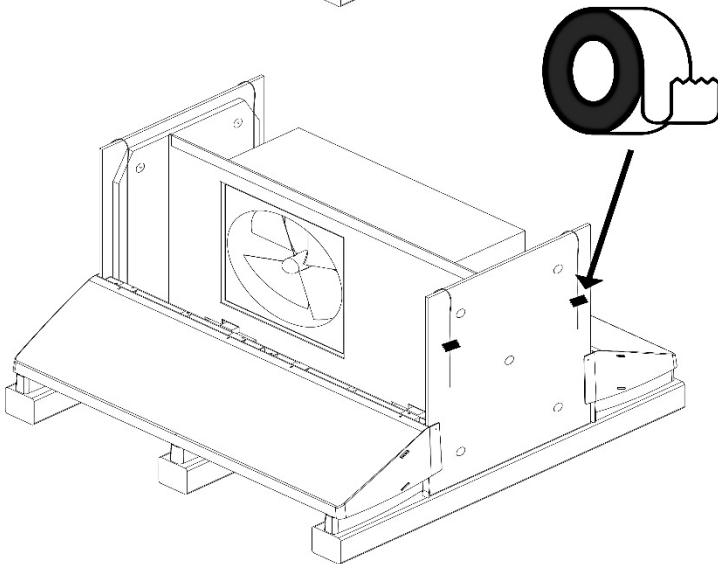
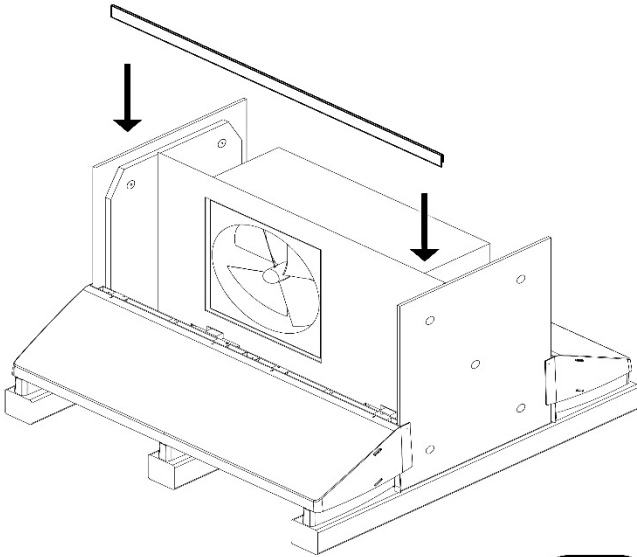


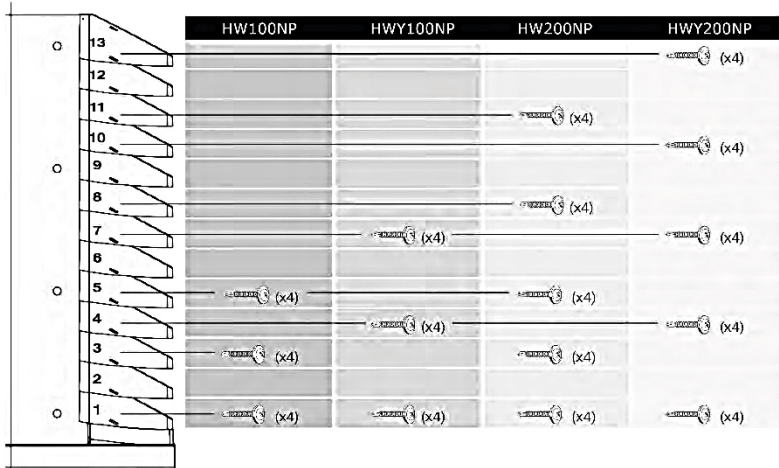
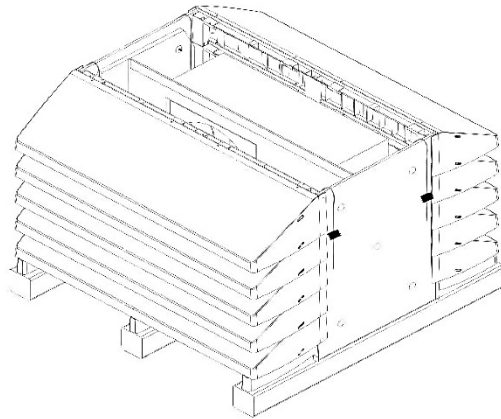


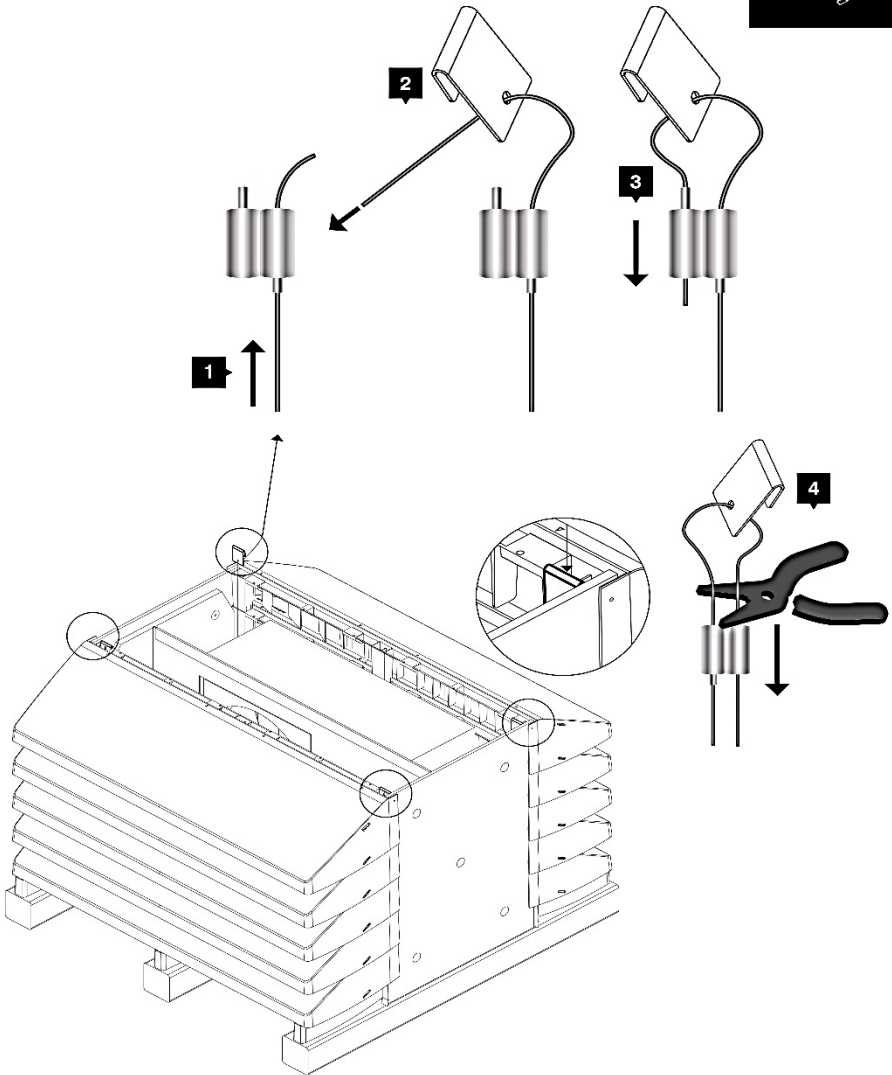












6.2. Installation of Heat Pump, Air Conditioning and Refrigeration outdoor unit



The correct installation position of the air conditioning, refrigeration or heat pump unit is decisive for the fit and function of the acoustic housing.

7. Maintenance and Service

7.1. General

For maintenance and service work on the refrigeration, air-conditioning or heat pump unit, the necessary panels can be easily removed from the acoustic housing.

Cleaning and maintenance of the acoustic housing

- Remove other dirt with a damp cloth; if necessary, use grease- or oil-dissolving detergents (concentrated neutral detergent with pH between 8 and 9).
- Treat galvanized parts with preservation spray.
- Regularly lubricate moving parts such as panel locks with a lubrication spray.
- Regularly treat seals.
- Repair any damage to the coating, including areas that show signs of corrosion, with repair paint.
- Clean the unit thoroughly to remove all construction dust and other dirt.
- Prior to shipping, each unit is carefully inspected at our factory.

7.2. Silencers

The sound insulation material of the silencers should be checked for dust during major maintenance work and, if necessary, cleaned with a vacuum cleaner.

If necessary, the silencers must be checked for free passage, as this is necessary for perfect air circulation and the function of the installed refrigeration, air conditioning or heat pump unit.

7.3. Grounding

Depending on the local regulations and position, we recommend to carry out a grounding or lightning protection.

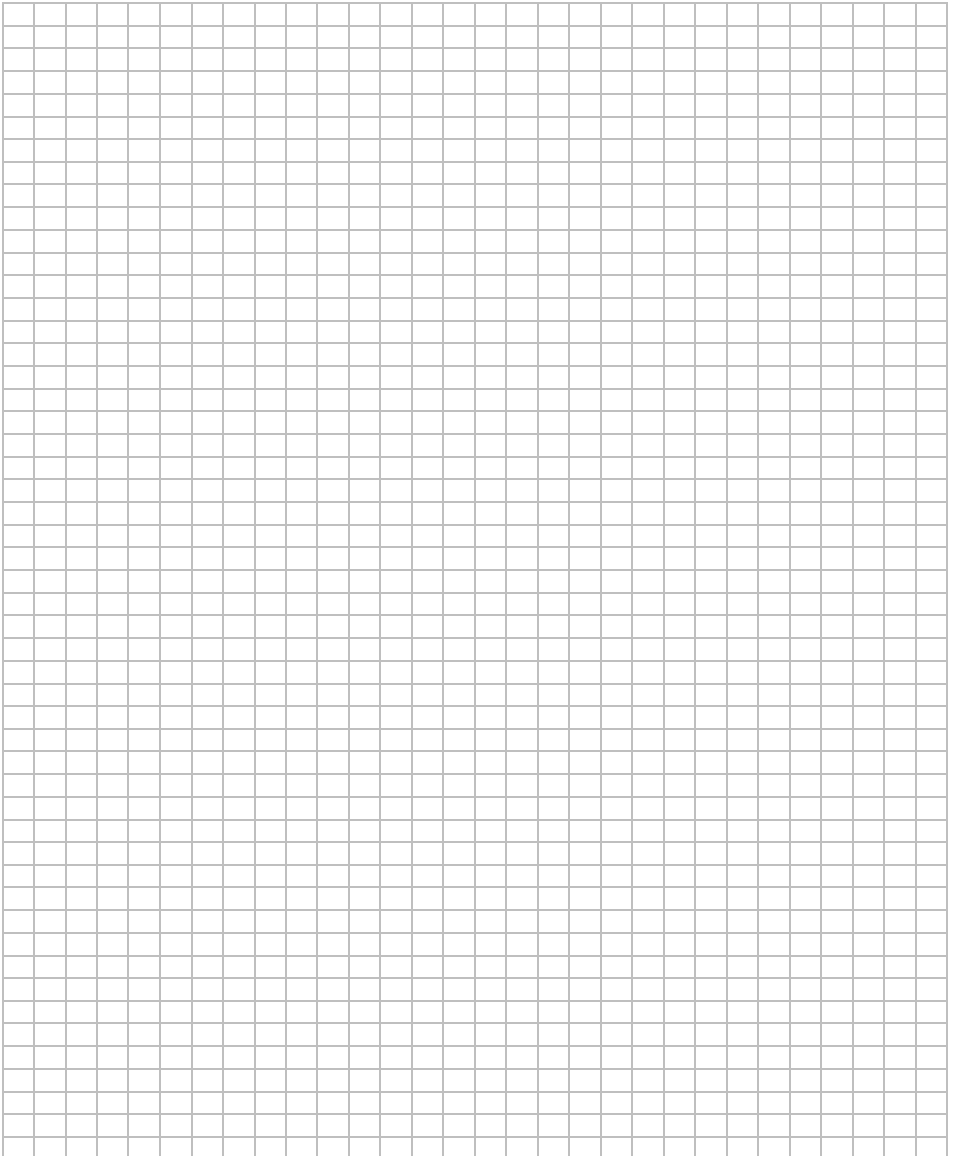
7.4. Test run

After working on the acoustic housing, the person responsible must ensure that no persons are in the acoustic housing before it is put into operation again.

7.5. Removal and disposal

Metal parts and plastic parts are to be recycled, per applicable regulations.

Notizen

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

Do you have anymore questions?



Solflex GmbH
Am Feuerstein 282
A-2392 Wienerwald, Austria
+43 2238 203 36, office@solflex.eu
IM-10/2020-ENG