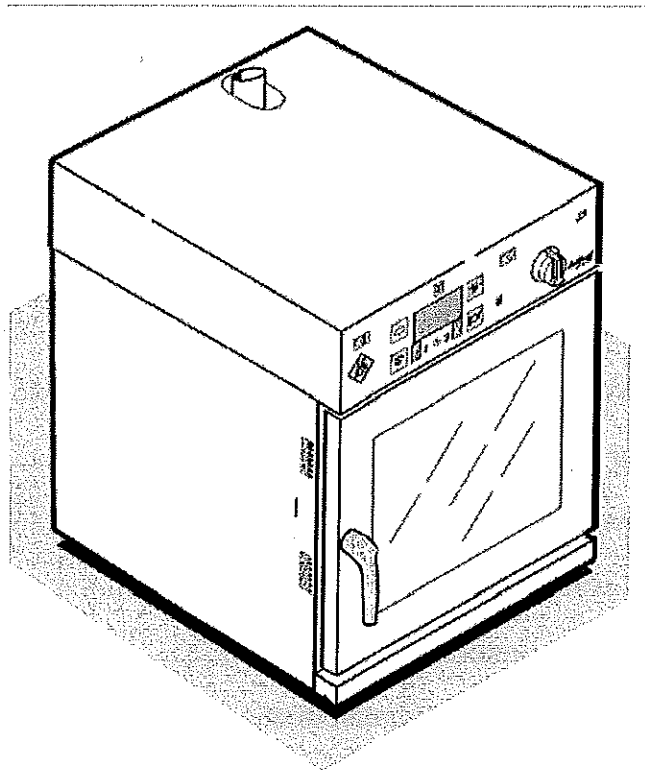


US-en

Installation Instructions

Electric *SpaceSaver™*



Model	Model No.
Electric combi-steamer 6.23	CJE63XXXX

*SpaceSaver*TM

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Transportation

Packaging The combi steamer is supplied on a throw away pallet with a cardboard enclosure. The appliance packaging is not suitable for stacking and is not protected against moisture.

Transportation When transporting by vehicle, the pallet should be protected against slipping or tipping over.

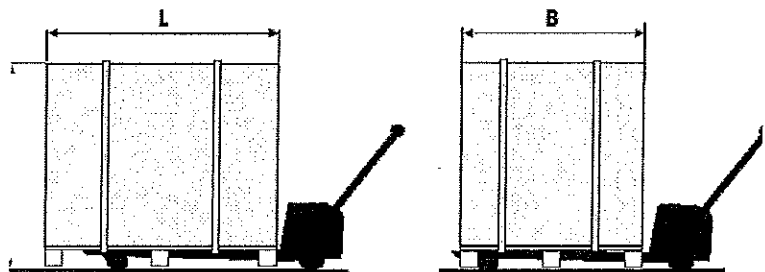
Always transport the appliance in an upright position, do not tilt or stack, or damage to the unit could result!

If using a forklift, make sure that the siphon and the drainage pipe protruding underneath are not damaged.

Do not lift table top models by their doors or control pillars, or do not insert the forks of the forklift in the oven chamber.

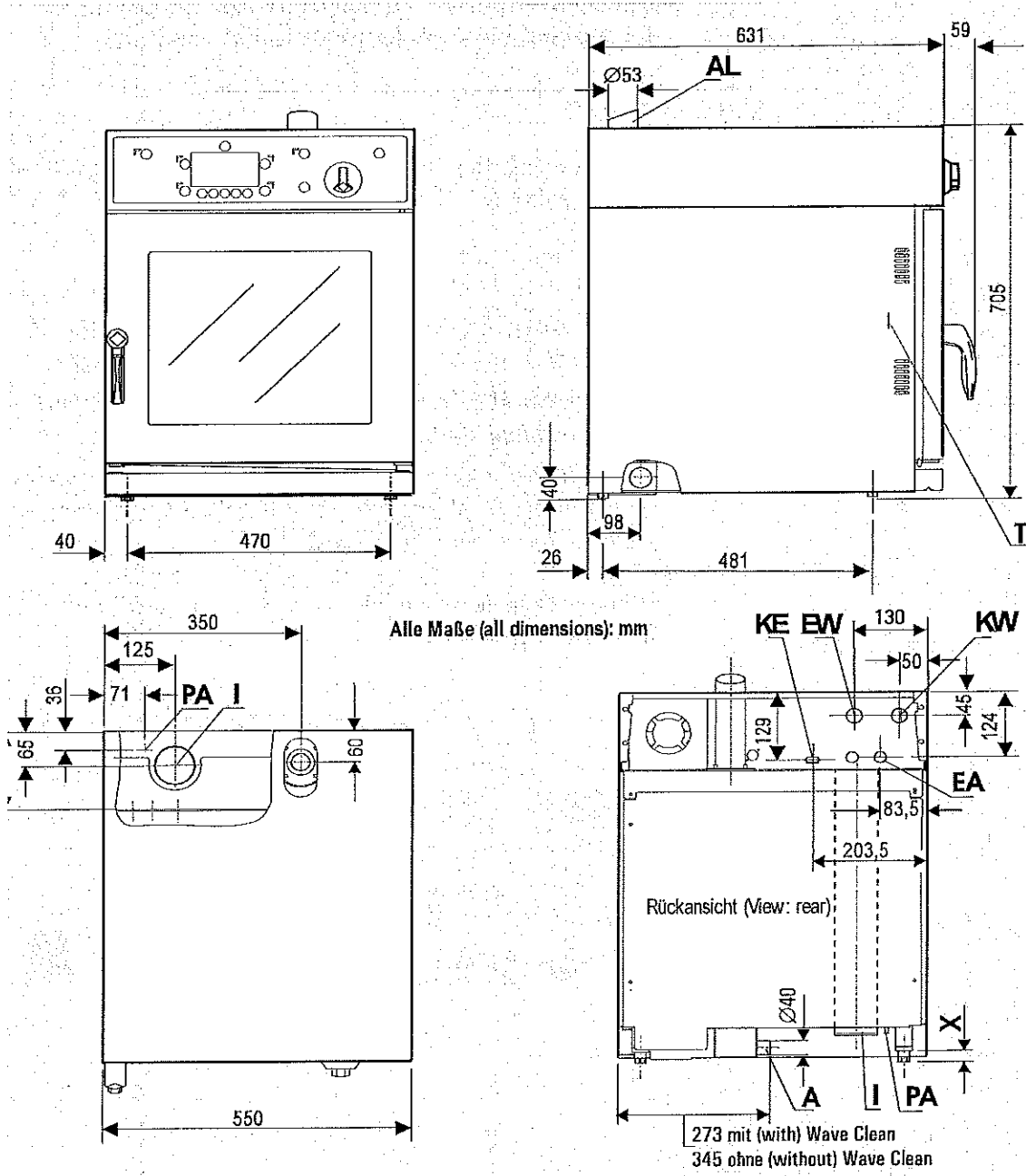
Damage to the unit could result

When packaged, the appliance can be transported either from the side, or front-to-back.



Installation

Unit dimensions



A = drain; AL = extractor supports; EA = electrical connections
 EW = decalcified water, cold; I = Installation channel
 KE = data interface, RS 232-socket;
 KW = cold water, not decalcified; PA = potential equalisation bolts
 T = emergency door opener; X = height adjustor, all feet 10 mm)

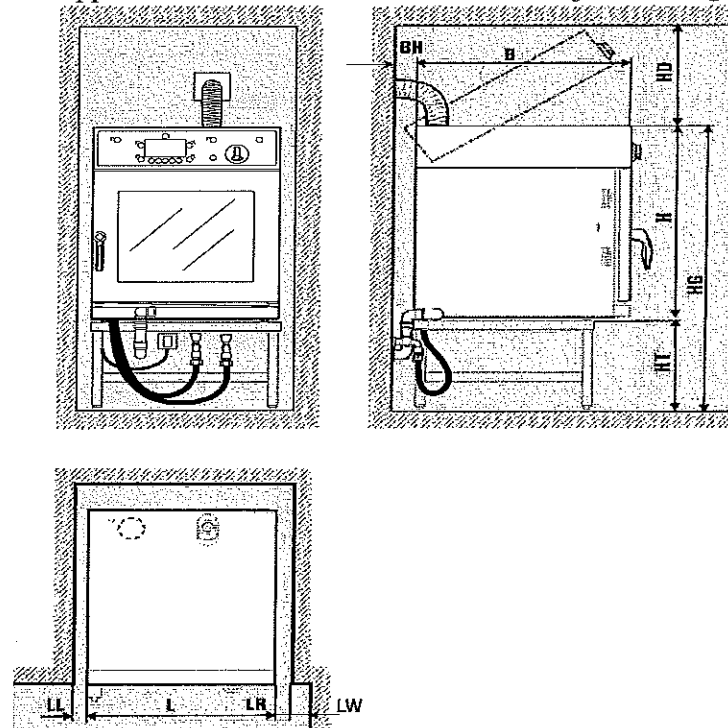
Installation

Prior to installation *SpaceSaver™*'s are designed for commercial use. They are not tested according to the regulations and standards for household appliances. We accept no liability nor provide any guarantee for use as a household appliance!

NOTICE

Check appliance for transport damage in the presence of the delivery agent. Do not install and operate damaged appliances. This appliance cannot be equipped with casters or with stands with casters. The appliance must be in a level position. Use the feet to adjust the height.

Positioning table top models The appliance must be level. Use the feet to adjust the height.



<i>SpaceSaver™</i> installation dimensions in inches (dimensions in mm)									
B	BH	H	HD	HG	HT	L	LL	LR	LW
24.8 (631)	2.0 (50)	27.8 (705)	19.7 (500)	61.2 (1555)	33.5 (850)	21.7 (550)	2.0 (50)	2.0 (50)	3.9 (100)

Fire prevention codes are to be observed if the equipment is installed close to heat-sensitive or flammable material.

There should be at least 20" (500) mm clearance at the top to allow servicing.

The connections can be fed through a plastic tube if required.

Connection

Technical data

<i>SpaceSaver™</i>		
Model	<i>SpaceSaver™</i> 6.23	<i>SpaceSaver™</i> 6.23
Length	21.7"	21.7"
Width	(550mm)	(550mm)
Height	24.8"	24.8"
	(630mm)	(630mm)
	28.7"	28.7"
	(730 mm)	(730 mm)
Weight	132 lbs 60 kg	132 lbs 60 kg
Connected load	5.5 kW 3 N PE 400 V AC 50/60 Hz	3.6 kW 1 N PE 230 V AC 50/60 Hz
Protection class	(Control protection from water-Int'l) IP X5	
Fuses	3 x 16 A	1 x 16 A
LOA connection	standard	
Ambient temperature and humidity	41 to 104°F (5 to 40°C), 95% rel. humidity, non-condensing	
Water connection	Water hardness max. 89.5 ppm (5° dH) (soft water), (5.22gr/gal) (1.08 mmol/l) DN 15 hose with 3/4" union nut; Pressure: 2-6 bar (30-88 psi) (200-600 kPa)	
Cooling and rinsing water connection	Cold drinking water pH value: 0-447.5 ppm (0-25 ° dH) DN 15 hose with 3/4" union nut; Pressure: 2-6 bar (30-88 psi)(200-600 kPa)	
Drainage connection	DN 40, fixed connection, Waste water temperature: max. 176°F (80°C)	
Latent heat dissipation	1.0 kW	0.6 kW
Direct heat dissipation	0.8 kW	0.5 kW
Noise level	70 dB (A)	

Power connection

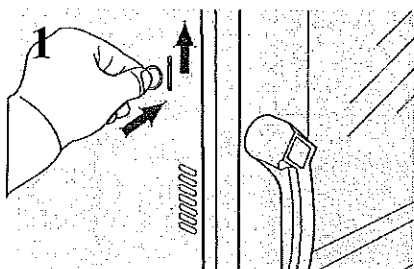
Installation of this unit should be performed only by a qualified service technician.

The standard unit is NOT supplied with a power cable. A H07RN-F cable, compliant with the VDE standards must be used.

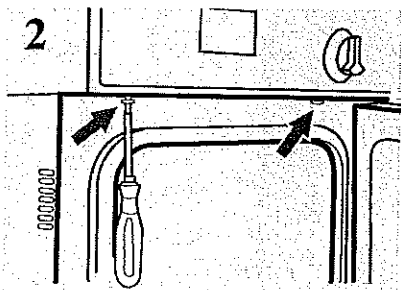
The electrical connection is located under the hood. The hood must be folded upwards so that the electrical connections can be made.

Open the hood.

The *SpaceSaver™* is closed when the unit is delivered. The door can only be opened using the emergency unlocking handle before the unit is connected up to the mains. Use a Coin in the slot in the left side panel [1] to push it upwards to unlock it.

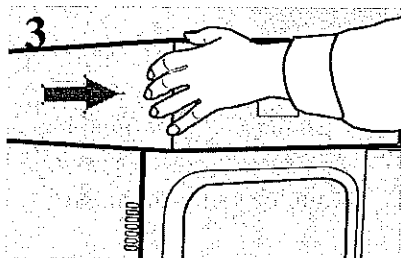


Fully open the door and then use a flat-bladed screwdriver [2] to unscrew it.



Pull the hood approx. 1.18" (3 cm) to the front [3].

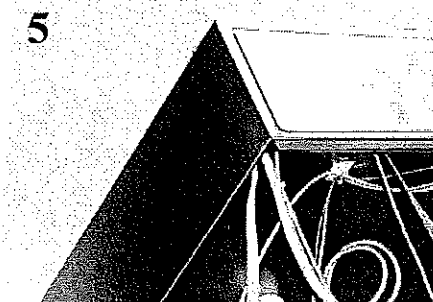
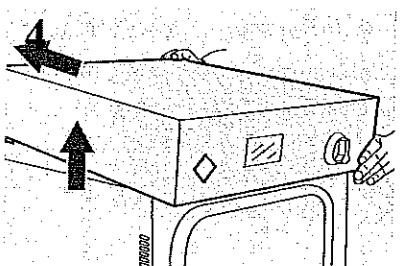
Lift the cover by about 1.97" (5 cm) and then slide it backwards until it is up against the stop [4].



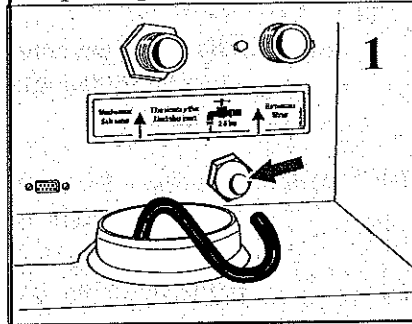
Fold down the control panel and fit the support [5] on the right to hold it in place.

Fold down the support so it can be closed afterwards. Carefully fold up the front and raise it a little at the back, then pull it forwards and lower the back again.

Slide the cover to the back and then secure it in position using the two slot-headed screws at the front.



Power connection Feed the connecting cable in through the installation channel and the PG - screw fitting [1] into the unit and connect it up to the connection terminals [2].
The phase position is not significant.



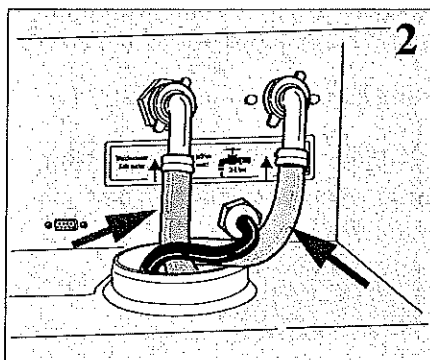
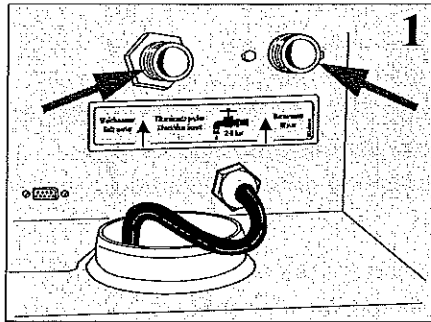
An **all-pole** shut-off (e.g. automatic circuit breaker) with a **contact gap of at least .118" (3 mm)** must be included in the power supply so that the appliance can be disconnected from the mains at any time.

The appliance can be integrated into the building's grounding system (earth). The connection point is under the information label.



When the appliance is switched on, the heating elements are live.

Water connection



If the stacking kit is used, the lower and upper appliances should be connected separately, so that if one fails, the other can continue operation.

The appliance is equipped as standard with a soft water connection (steam) and a hard water connection (cooling water, hand shower) [1].

The appliance must be connected to the **drinking water supply** in accordance with DIN 1988, part 4.

Before making final connections, thoroughly flush the on-site water pipes.

Flow pressure	min. 29 psi/max. 88 psi min. 2.0 bar/max.6.0 bar
Static pressure	max. 88 psi max. 6.0 bar
Flow volume, soft water	max. 0.22 gal (US)/min max. 1 l/min
Flow volume, hard water	max. 4.4 gal (US)/min max. 20 l/min

Use ½" hoses with R ¾" screw fittings. They should be long enough to allow the appliance to be pulled out by around 3.0 feet (0.8m) for servicing.

The shut-off valves must be fitted with checkvalves.

CAUTION

To prevent damage to the appliance, the filters supplied as standard with the appliance must be fitted on the water inlet.

Soft water connection

A soft water connection with the following features is required for steam generation: Cl<8.8 gr/gal(150 mg/l). Higher values may lead to corrosion in the oven chamber. The Cl content can be reduced with a water filtration system.

If the water is very impure, use a 0.08 mm sediment filter (X).

To prevent limescale deposits, use a water softener if the hardness is over 8.95 ppm (5°dH - German degrees of hardness (0.89 mmol/l)). The silica content must be .23 gr/gal (4mg/l). Otherwise, the glass panel in the appliance door may cloud over. Osmosis or water filtration systems are suitable for reducing silica levels.

Softening systems based on electromagnetic fields will not protect this type of appliance from limescale formation.

If a softening system or a water treatment system is not added, some components in the water (Na⁺ ions and silicates) may cause the panels to cloud over. This depends on the quality of the water and the amount and way the appliance is used. Softened water from decarbonating /dimineralisation systems delays or prevents this.

The appliance can show the service intervals for the water softener connected to it on its display. For more information see the operating instructions.

Do not use pipes made of galvanised steel or other material likely to corrode downstream of a water softener.

Systems that use phosphate and silicate should not be used.

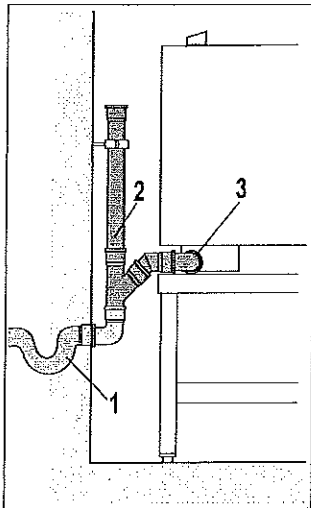
Hard water connection

Non-softened, cold water should be used for cooling. Using warm water results in increased water consumption and cooling is not effective with hot water.

CAUTION

Appliances fitted with "WaveClean" automatic cleaning are to be connected to the hard water connection, otherwise the appliance may be damaged.

Drainage connection



The appliance is equipped with a trap and an overflow and can be connected permanently to the public drainage system with no further action required.

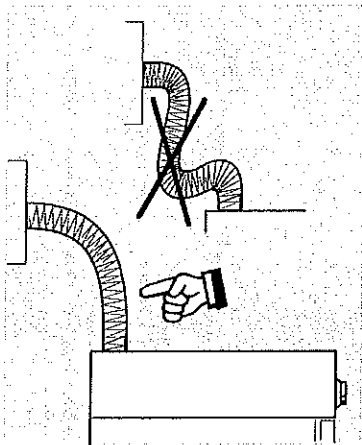
A second trap in the building waste system should be avoided. If the drain is connected to an on-site trap [1], the trap [3] in the unit will overflow because of the greater pressure. If there is another trap in the building waste system, then there must be an air vent[2] between the appliance and this trap..

The appliance must be connected to the drainage system with a heat-proof pipe (DN 40) with a falling gradient of at least 5%. We recommend HT pipe PA-I 1818 DIN 19560. **The diameter is not to be reduced.**

NOTICE

After it is connected up, pour 2 quarts (2 litres) of drinking water into the trap to ensure it works properly.

Connecting to an exhaust duct



Waste and fumes will be disposed of by the integrated waste disposal system and fed away through the drain, so that an air extraction system is not really required. We recommend connecting the appliance to an extraction hood.

The steamer can be connected via a hose (heat-proof to at least 356°F or 180°C) or via a heat and corrosion proof pipe¹ (e.g. HT pipe PA-I 1818 DIN 19560) to an extraction duct. (Hose diameter: 2.1" or 53 mm).

The maximum length of the hose should be 98.4" (2.5m). The hose must be laid so that a water sack cannot build up (i.e. it should not sag in horizontal sections) nor should the flow channel be narrowed.

Fitting under an extraction hood

If the appliance is fitted under an extraction hood, the extraction system must be set up in line with VDI 2052.

Noise level

The noise emitted at the workplace is less than 70 dB/A.

1. Do not use the galvanised pipes or ducts usually used in air extraction systems.



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