Pre-installation Manual

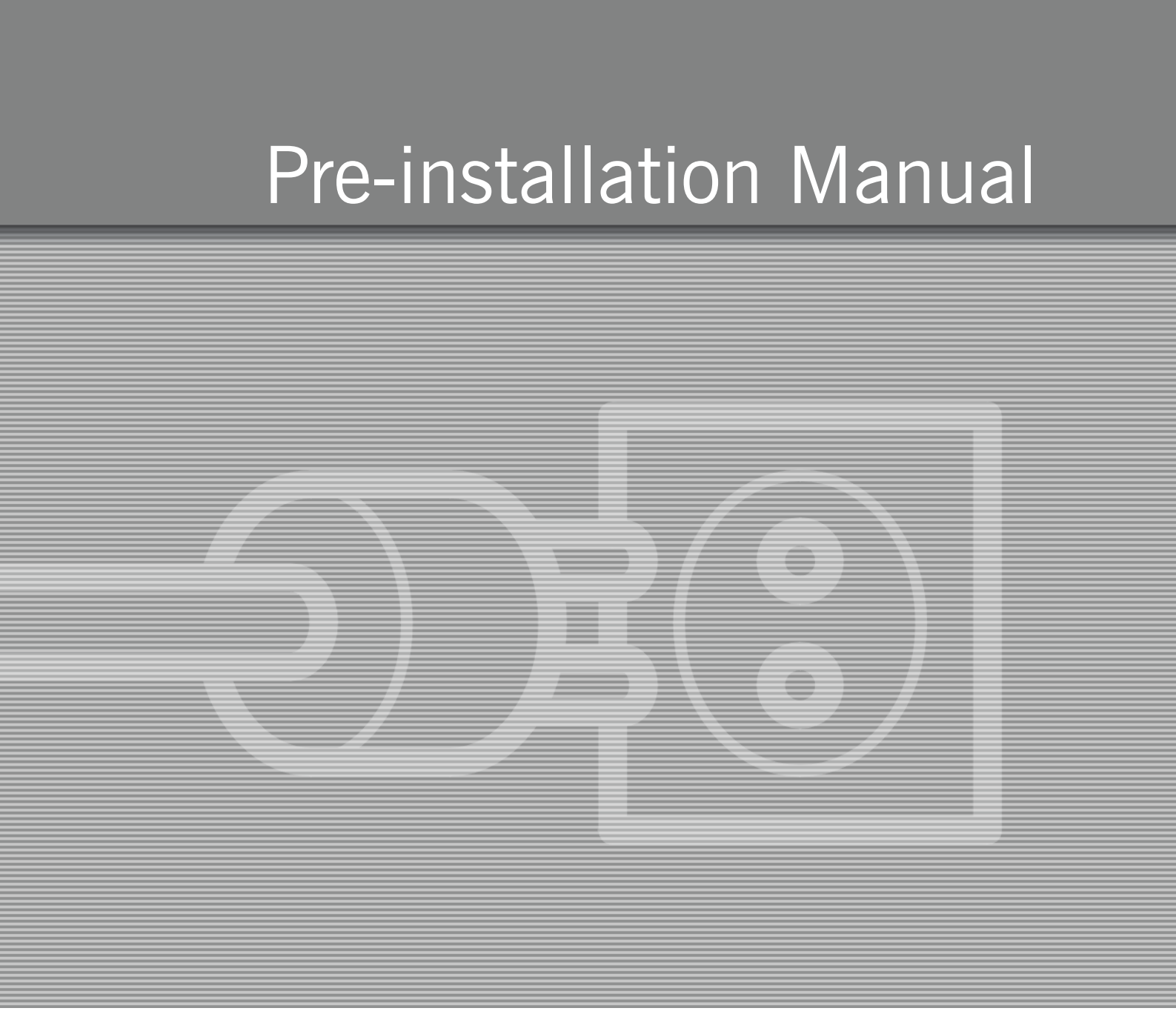

Plate Processor 68/85
Polymer

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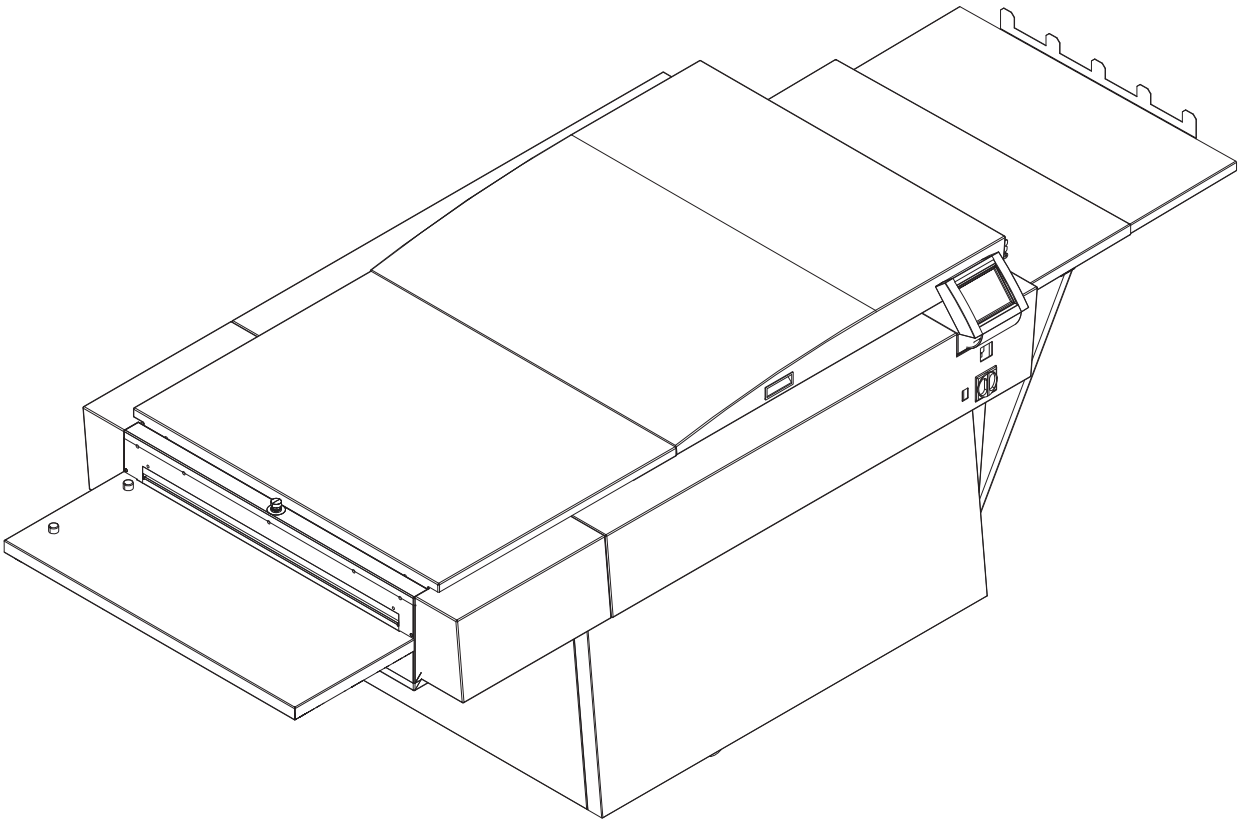

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Part 0: Introduction

Reservations

- This manual was written and illustrated using the best possible information available at the time of publication.
- Any differences between this manual and the equipment reflect improvements introduced after the publication of the manual.
- Changes, technical inaccuracies and typographic errors will be corrected in subsequent editions.
- As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

Pre-installation instructions

The instructions in this Pre-installation Manual allow the customer and the Service Technician to prepare the installation of the plate processor.

Only qualified Service Technicians are allowed to unpack and install the equipment.

When preparing the installation site please take into consideration that this equipment is for restricted access locations only!

Please download the Service and User's manuals from G&J home page www.glunz-jensen.com before the installation of the processor.

Notes, cautions, and warnings !

Throughout the manual warnings, cautions, and notes are written in bold like the example below:

Electrical installation must conform to local regulations and guidelines.

Symbol	Meaning	Explanation
	Note	The operator should observe and/or act according to the information in order to obtain the best possible function of the equipment.
	Caution	The operator must observe and/or act according to the information in order to avoid any mechanical or electrical damage to the equipment.
	Warning	The operator must observe and/or act according to the information in order to avoid any personal injury.

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Part 1: Transportation

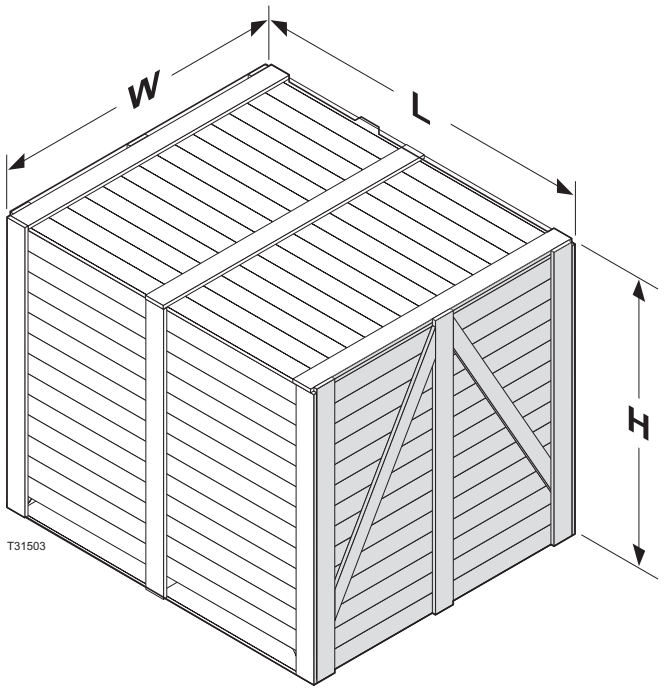
When the processor arrives

Storing the processor before installation

The crated processor will usually be delivered some time before the arrival of the service technician. In which case you should prepare an appropriate place indoors to store the crated processor.

The crate

Dimensions and weight



	68	85
Length (L)	2140 mm (84.3")	2140 mm (84.3")
Width (W)	1250 mm (49.2")	1420 mm (55.9")
Height (H)	1263 mm (49.7")	1263 mm (49.7")
Weight, crated	370 kg (816 lbs)	430 kg (948 lbs)
Weight, processor	265 kg (584 lbs)	307 kg (677 lbs)

Checking the crate for damage

Check if the crate is damaged at the time of delivery. Take note of the damage before you allow the service technician to unpack the processor. Provide a detailed description or take a photograph of the damage.

Report any damage to the crate to the transport company.

Handling the crate

The icons on the crate indicate how to handle the crate during transport and storage:

Ensure that the side indicated by the arrows is always up

Handle the crate with care.

Never expose the crate to water, or place it in a high-humidity area.

Do not stack the crates.

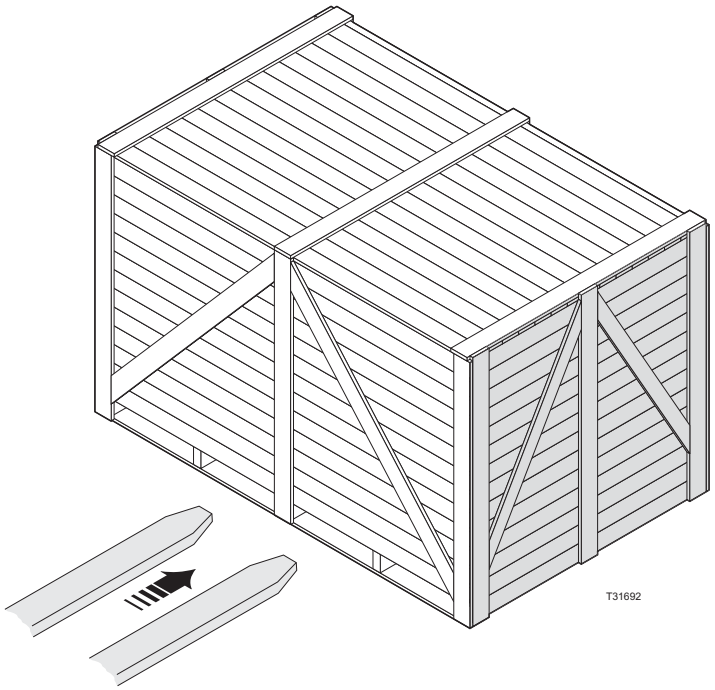
T31691

Transporting the processor

Lifting the crate

The processor is supplied wrapped in a foil in a cardboard crate on a wooden pallet. To lift the crate a fork-lift truck or two persons and a hand powered pallet mover are required.

The processor is very heavy equipment. It is possible to lift the processor off the pallet using a fork lift truck or a pallet mover.



Available width for transport

Depending on the width of the door(s) through which the processor has to be transported to the installation site, the service technician may have to perform the actions described in the table below:

If width of the door is ...

68	85	Then...
> 1250 mm (49.2")	> 1420 mm (55.9")	No action is required as the crated processor can be transported immediately to the installation site.
1250 - 1100 mm (49.2 - 43.3")	1420 - 1250 mm (55.9 - 49.2")	The Service Technician has to unpack the processor.
< 1100 mm (43.3")	< 1100 mm (49.2")	The Service Technician has to unpack and strip down the processor.

Part 2: Installation requirements

This processor must be installed in restricted access locations only.

Environmental requirements

Provide a heating and ventilating system capable of maintaining room temperature between 15 and 25°C (59 and 77°F) and relative humidity on max. 80%.
For heat emission see “Power consumption” on the page .

Cleaning facilities

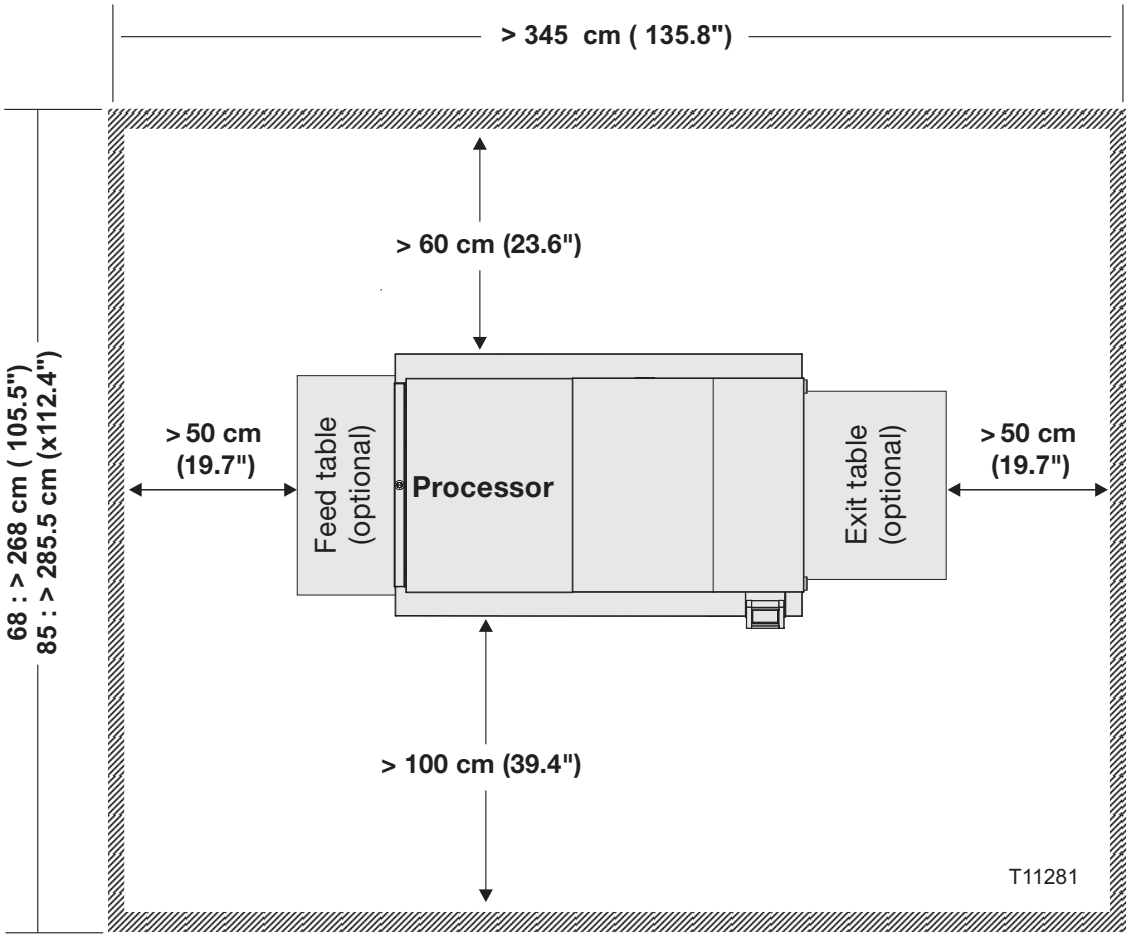
It is essential to have easy access to a sink and a water tap with hot water where rollers, guides, and brushes can be washed.

Processor	Minimum recommended size of the sink
68	90 x 40 cm (35.4 x 16")
85	100 x 40 cm (39.4 x 15.7")

Space requirements

Free space around the machine

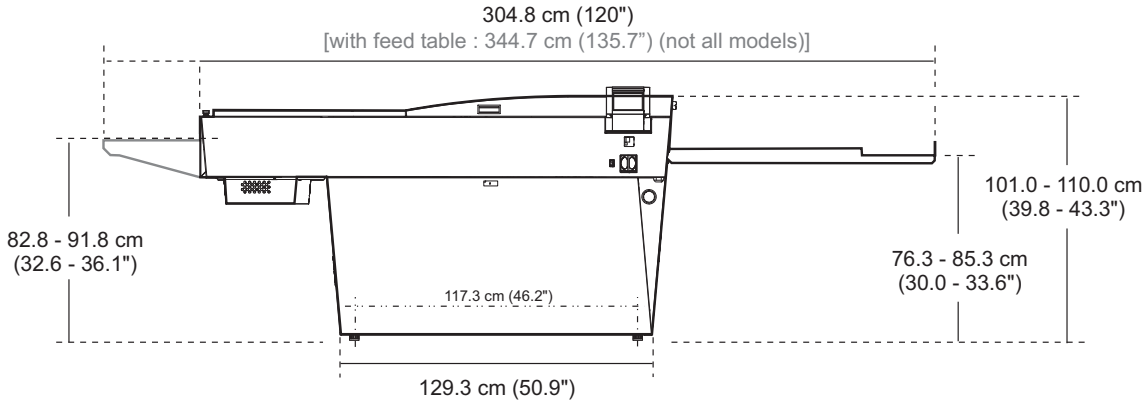
Decide where the processor shall be placed and make sure that the free space around the machine makes servicing possible.
The recommended minimum free space around the machine is specified in the illustration below:



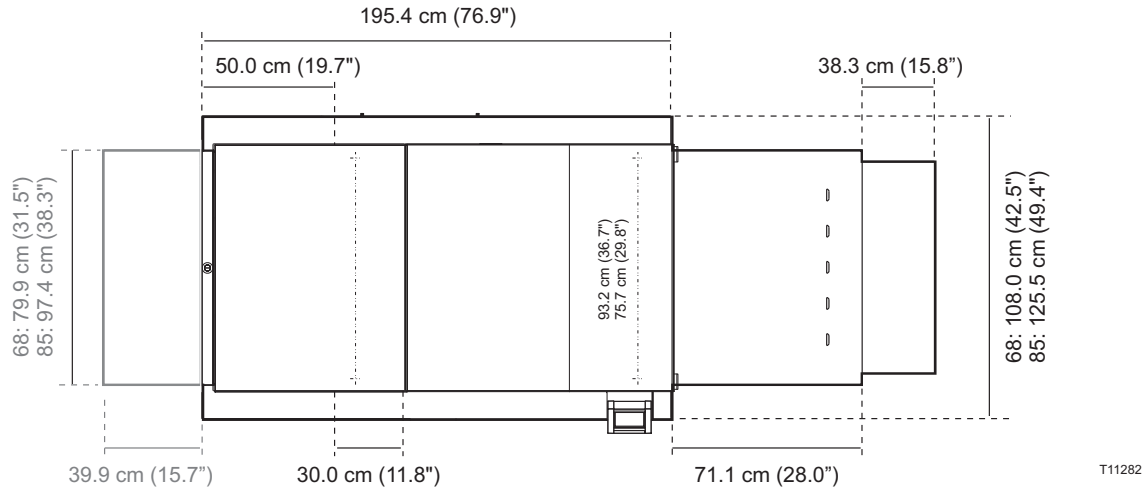
For CTP On-line processors the space requirements at the processor front has to be decided separately.

Processor dimensions

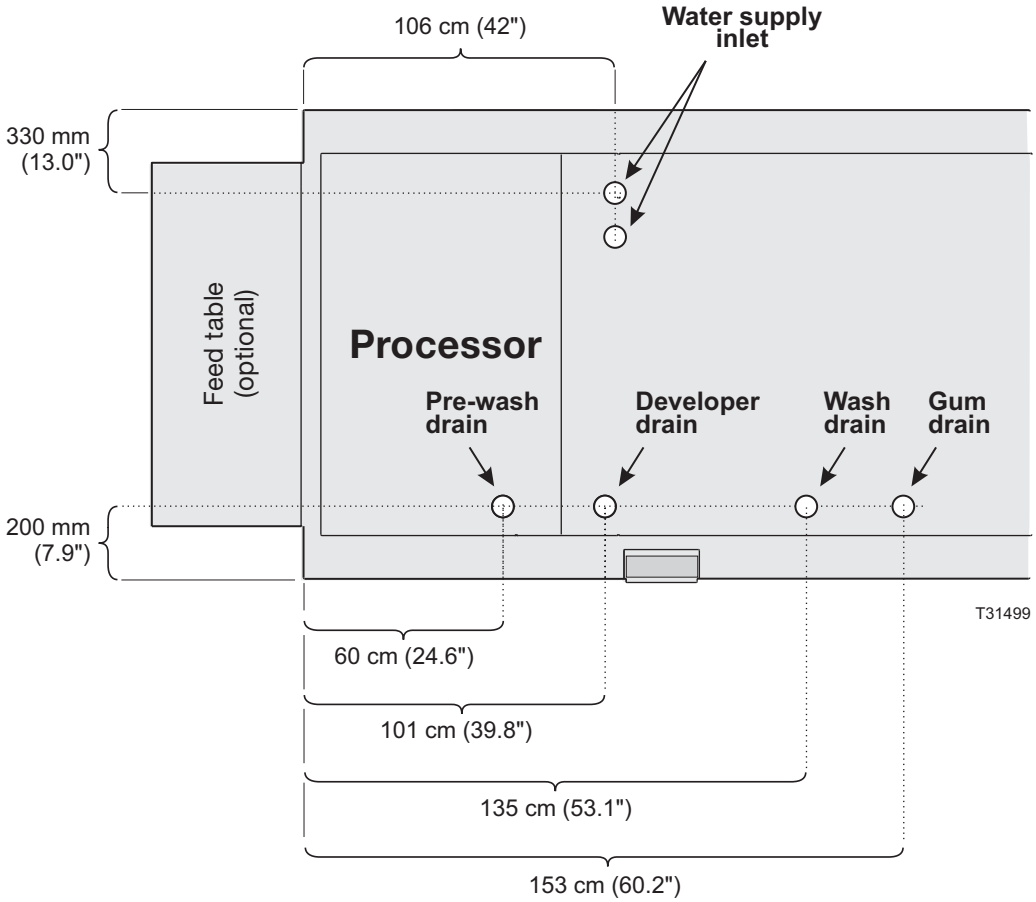
Side view



Top view



Water supply and drains



Prepare the installation site for water supply and drain connections according to the illustration above. Please also refer to the processor dimensions described earlier in this document.

Water supply

The water supply connection is located on the left front side underneath the processor. The supply water pressure must be min. 21 - 6 bar (29 - 87 psi).

Drains

- The developer drain must be led to a waste container.
- The wash drain can be led to public drain. Refer to the local regulations.
- The gum must be drained into a container and recirculated.

When establishing central reception systems for waste chemicals, copper or brass should not be used in the drainage system as the chemicals involved are highly corrosive. Therefore plastic or rubber is recommended. Check with the chemicals supplier for details.

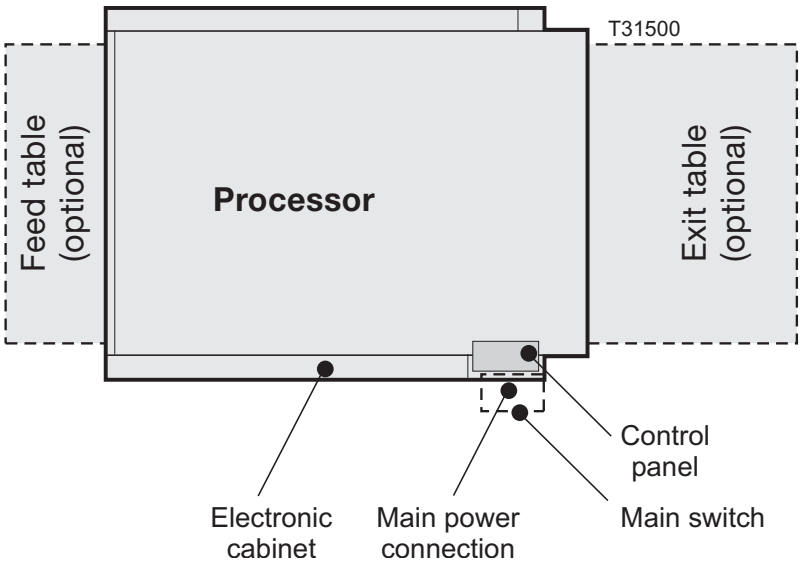
Many countries have strong regulations regarding disposal of waste. Refer to the local regulations when making preparations for drains.

Electrical requirements

Electrical installation must conform to local regulations and guidelines.

Main power connection

The main power connection is made in the processor's plug located at the back of the right fender as shown in the illustration below.



Main power outlet

Provide a main power outlet close to the installation site. The table on the next page indicates the applicable power supply types and to which processor models they apply.

Power cable

The cable for the main power connection is included for some models only. See the power supply table on the next page. The table also shows recommended power supply cables for processors delivered without cable.

When deciding what type of cable to use take into account the chemical resistance (chemicals may leak onto cable) and the mechanical resistance (operator may step onto cable).
The conductors in the power supply cable should be of copper.
Provide for additional cable protection, e.g. cable covers, if cable is exposed to heavier transport such as fork-lift trucks etc.

The processor is Class 1 equipment. Therefore, the processor must be connected to earth to avoid electrical shocks.
Please be aware of double pole/neutral fusing.

Electrical specifications

Installation requirements for power supply

The fuse requirements listed below are higher than Amps specified on the processors name plate. It is important to prepare the installation with the fuses as specified below.

	Supply/Fuse	Recommended cable type	68	85
EUR	3W + N + PE 230V / 3x15 Amps, 50-60 Hz	Min. 5 x 1.5 mm^2, type H07 RNF	•	•
	1W + N + PE 230V / 25 Amps, 50-60 Hz	Min. 3 x 2.5 mm^2, type H05 RNF	•	•
US	3W + PE 230V / 3x20 Amps, 50-60 Hz	Min. 4 x 12 AWG, type SJO	•	•
	2W + PE 230V / 30 Amps, 50-60 Hz	Min. 3 x 10 AWG, type SJO	•	•
JAP	3W + PE 200V / 3x15 Amps, 50-60 Hz	Min. 4 x 14 AWG, (Japanese harmonized power cord)	•	•
	2W + PE 200V / 20 Amps, 50-60 Hz	Min. 3 x 12 AWG, (Japanese harmonized power cord	•	•

Voltage tolerances

	68	85
Voltage tolerances	+/- 10 %	+/- 10 %

Power consumption

	68	85
EUR/US-models max.	5000 Watts	5000 Watts

Fuses

The fuses must have a breaking capacity of min. 100kA.
If using automatic circuit breakers make sure that they are Type D.

Part 3: Pre-installation checklist

Please ask the customer to answer the following questions in order to ensure a trouble-free installation of the processor:

1. Delivery of the crate and transport to the installation site

	YES	NO
A. Is there a place indoor where the crated processor can be stored temporarily?	❑	❑
B. Is there a hand-powered pallet mover, a fork-lift truck or any other lifting device available?	❑	❑
C. Can the crate be transported directly to the installation site? *See minimum width specifications on page 1-3.*	❑	❑
D. Is it sufficient to unpack the processor before it is transported to the installation site? *See minimum width specifications on page 1-3.*	❑	❑
E. Are there other factors (stairs, elevators, corners, obstacles, etc.) which should be taken into account when transporting the crate or processor?	❑	❑

If so, explain: .....

.....

.....

.....

2. Power supply

A. Make a note of the present supply specifications:

No. of Phases ..... Voltage ..... V Fused by ..... Amps
Neutral Wire? ..... Earth Wire? ..... Frequency ..... Hz

	YES	NO
B. Has a connection box been provided to connect the processor to the mains?	❑	❑
C. Is the customer aware that he/she should provide (or order) all supplies (cables, fuses, etc.) necessary to connect the processor to the mains?	❑	❑
D. Is there a house electrician available?	❑	❑
E. Are there any known problems in the building where the processor will be installed?	❑	❑

If so, explain: .....

.....

.....

.....

.....

3. Water supply and drain

	YES	NO
A. Capacity of air condition/ventilation adequate with regard to BTU/hour as specified on page ?	❑	❑
B. Can a hose 3/4"RG-11.5NH or 3/4"x3/4" be connected to the water supply tap?	❑	❑
C. Is there a large sink (with hot water) for cleaning the equipment?	❑	❑
D. Will the processor be connected to a local waste treatment system?	❑	❑
E. Is the tap water temperature adjustable? (If recommended by plate supplier).	❑	❑
F. Does the supply water pressure lie between 1 and 6 bar (15 and 87 psi)?	❑	❑
G. Availability of warm water for cleaning of processor?	❑	❑

4. Disposition of the various supplies and equipment on the installation site: