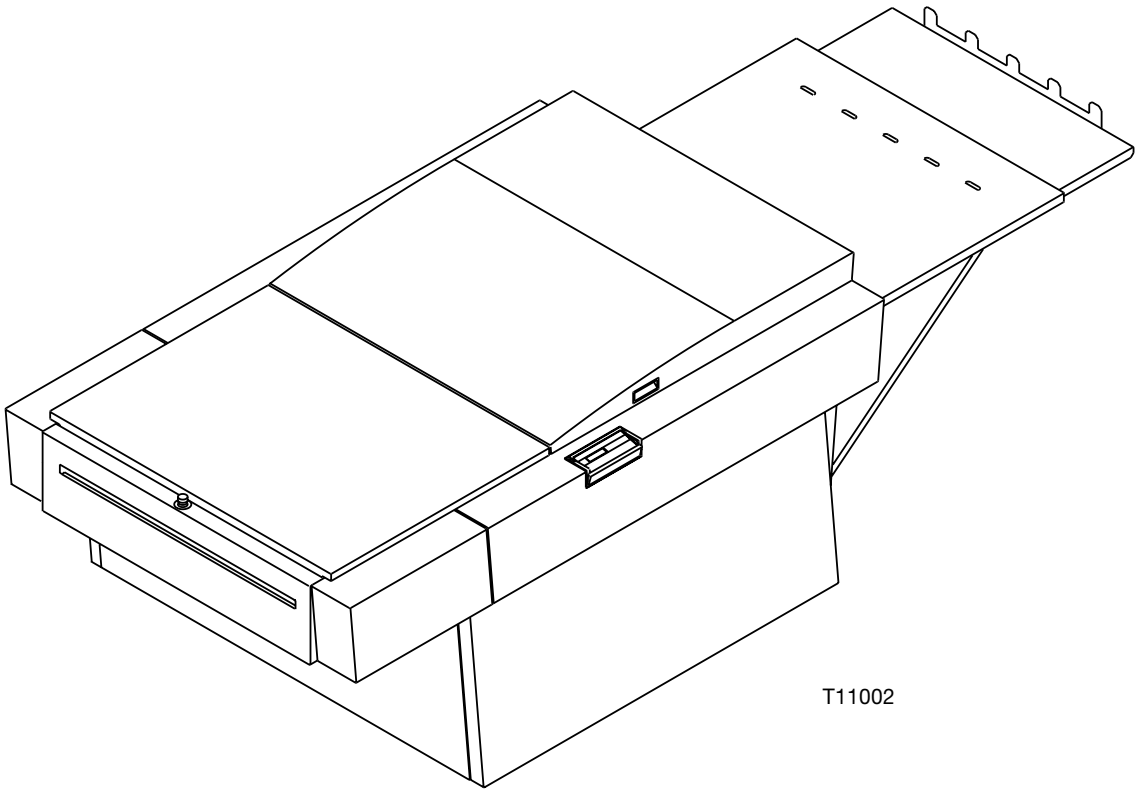
Pre-Installation Guide
FLV-68J/FLV-85J



T11002

Edition A, September 2004 Part No 51370

INTRODUCTION

PROCESSOR MODELS

This guide covers the following plate processor types: **Polymer Processors 68 and 85.**

WARNINGS, CAUTIONS AND NOTES!

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

CAUTION! Always replace a fuse with one of the same size and rating as the old one.

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 personnel injury.

PRE-INSTALLATION INSTRUCTIONS

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

CAUTION! Only qualified Service Technicians are allowed to unpack and install the processor.

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1. TRANSPORTATION

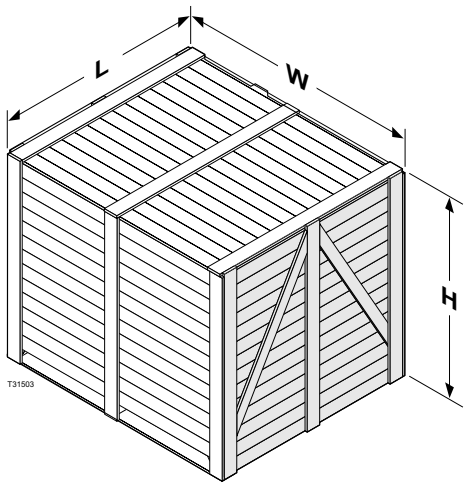
WHEN THE PROCESSOR ARRIVES

STORING THE PROCESSOR BEFORE INSTALLATION

The crated processor will usually be delivered some time before the arrival of the Service Technician. In such a case you should prepare an appropriate place indoors to store the crated processor.

THE CRATE

Below are the dimensions and weight of the crated processor:



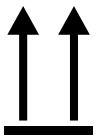
Processor Type	68	85
Length (**L**)	1170 mm (46.1")	1345 mm (53.0")
Width (**W**)	2118 mm (83.4")	2118 mm (83.4")
Height (**H**)	1490 mm (58.7")	1490 mm (58.7")
Weight*, incl. processor w. pre-heat and pre-wash	370 kg (816 lbs)	430 kg (948 lbs)
Weight* processor	265 kg (584 lbs)	307 kg (677 lbs)
*) w.o. tables, w. brushes, (85: w. filter in dev.)		

CHECKING FOR DAMAGE

Check if the crate is damaged at the time of delivery.
Report any damage to the crate to the transport company.
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.

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.

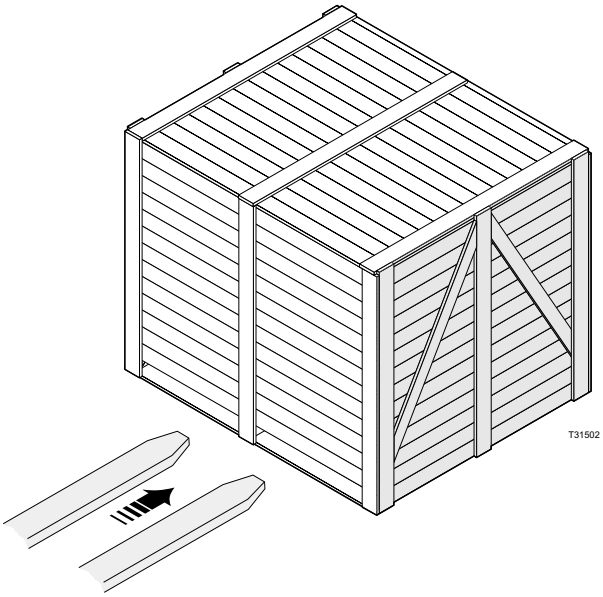
Never expose the crate to water, or place it in a high-humidity area.

TRANSPORTING THE PROCESSOR

LIFTING THE CRATE

To lift the crate, at least a fork-lift truck or two persons and a hand powered pallet mover are required.

NOTE! It is only possible to insert the forks of the fork-lift truck or pallet mover from the side as illustrated below.



AVAILABLE WIDTH FOR TRANSPORT

Depending of 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...
> 1230 mm (48.4")	> 1400 mm (55.1")	No action is required as the crated processor can be transported immediately to the installation site.
< 1230 mm (48.4") - > 1100 mm (43.3")	< 1400 mm (55.1") - > 1250 mm (49.2")	The Service Technician has to unpack the processor.
< 1100 mm (43.3")	< 1250 mm (49.2")	The Service Technician has to unpack and strip down the processor.

2. INSTALLATION REQUIREMENTS

GENERAL REQUIREMENTS

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%. Heat emission from the processor is max. 10600 BTU.

CLEANING FACILITIES

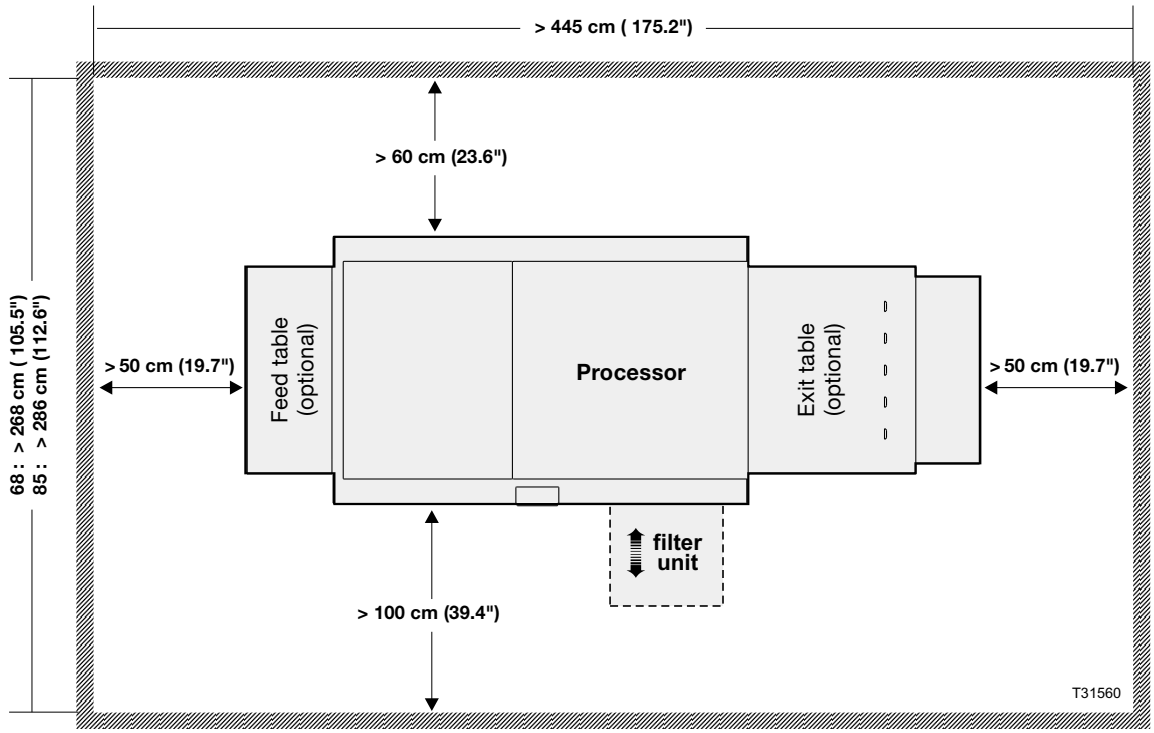
It is essential to have easy access to a sink and a water tap with hot water where rollers, guides, and brushes can be washed.
The minimum recommended size of the sink is:
68 cm processors: 90 x 40 cm (35.4 x 16")
85 cm processors: 100 x 40 cm (39.4 x 16")

SPACE REQUIREMENTS

FREE SPACE AROUND THE MACHINE

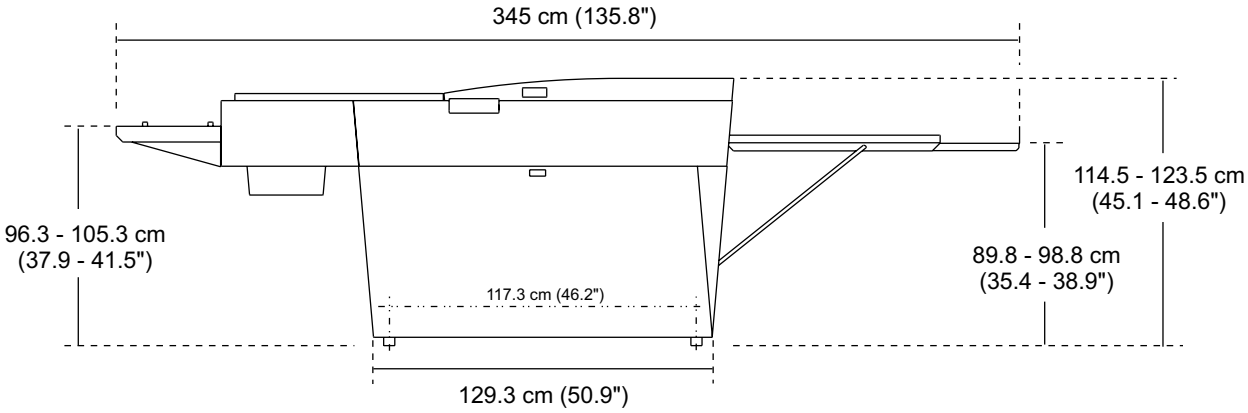
Decide where the processor shall be placed and make sure that the free space around the machine makes servicing possible.
The recommended minimum free space around the machine is specified in the illustration below:

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

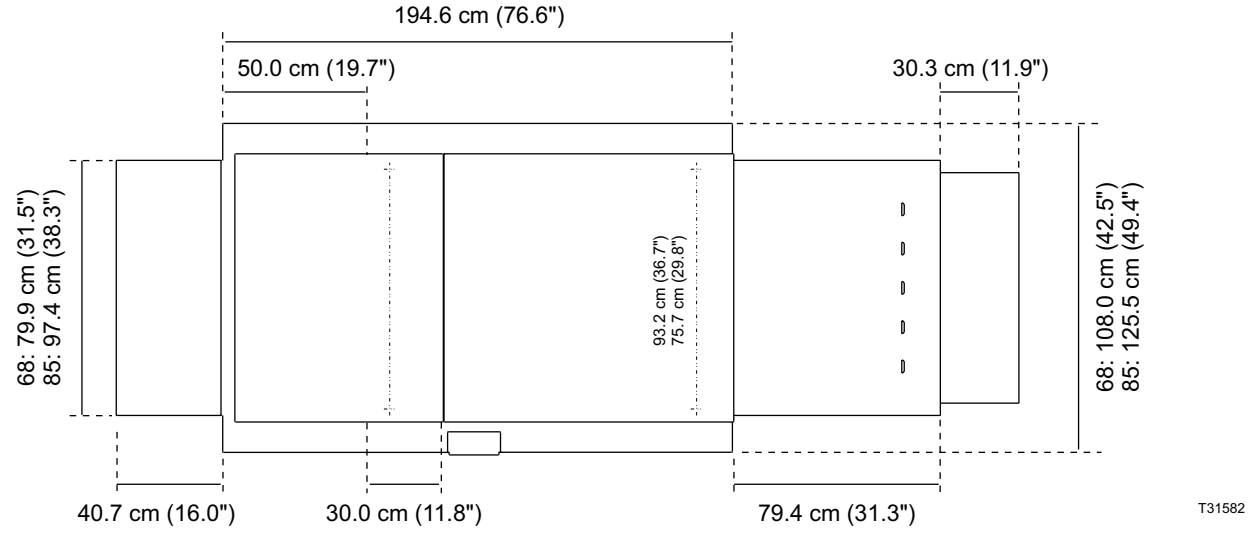


PROCESSOR DIMENSIONS

Side view



Top view



WATER SUPPLY AND DRAINS

WATER SUPPLY

The water supply connection is located underneath the processor as illustrated below.

The supply water pressure must be
1 - 6 bar (15 - 87 psi).

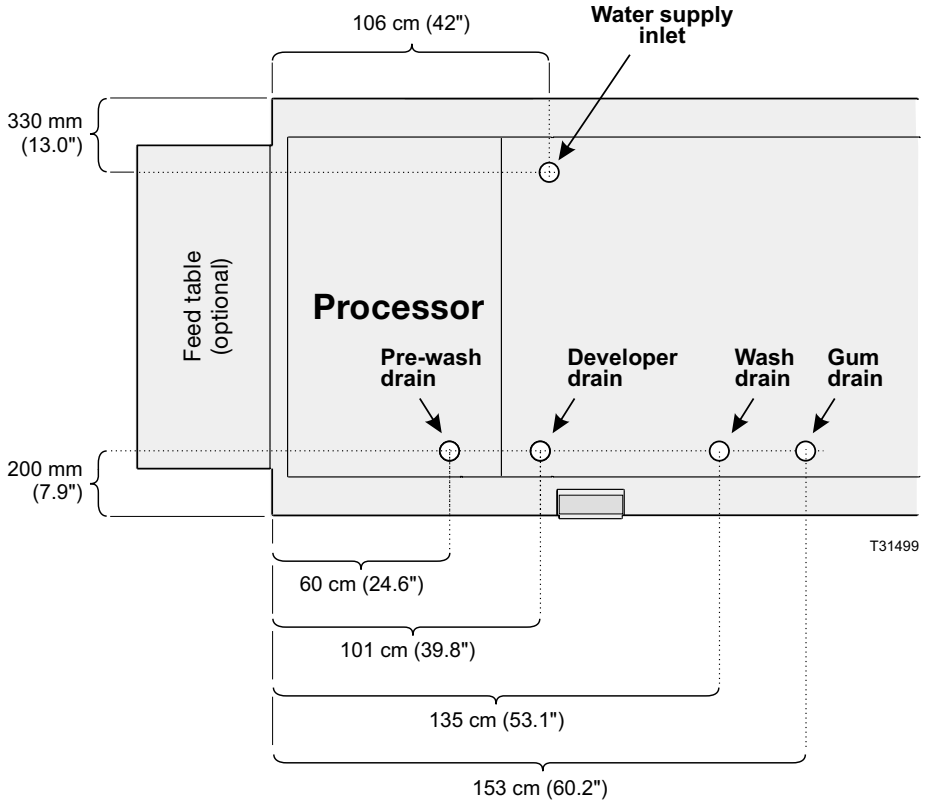
DRAINS

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

CAUTION! 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. Therefor plastic or rubber is recommended. Check with the chemicals supplier for details.

WARNING! Never lead drain hoses from the developer or gum section into a drain, as most solutions are strong pollutants and it is strictly forbidden to empty this type of chemicals into the public sewer system.
In any case the local regulations applying to the treatment of (chemical) waste must be followed strictly.

Please also refer to the processor dimensions described earlier in this document.



POWER SUPPLY

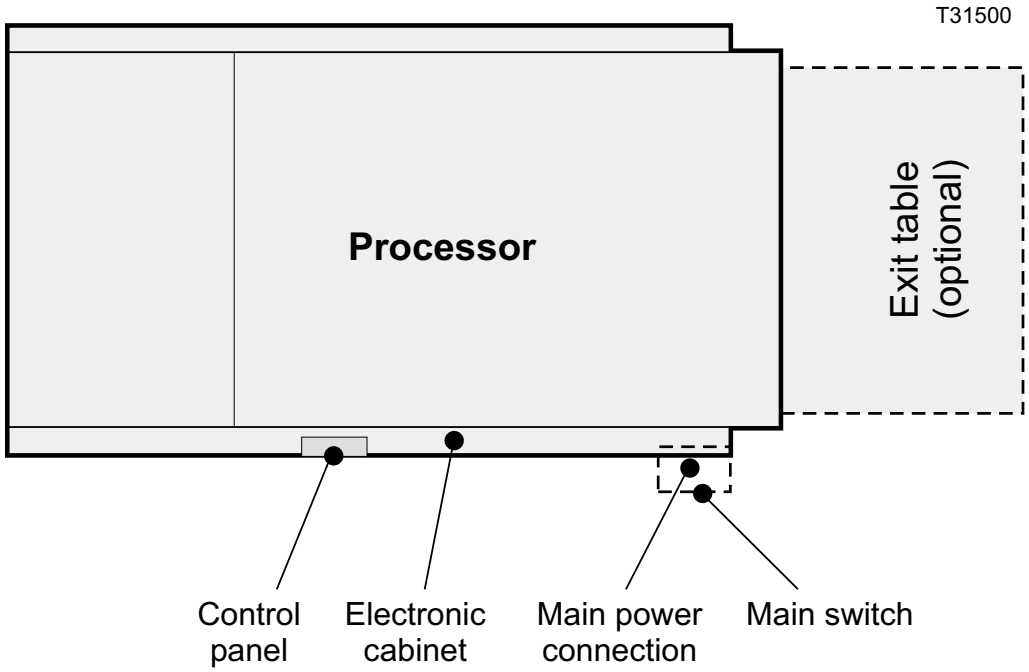
WARNING! Electrical installation must conform to local regulations and guidelines.

SUPPLIES

The cable for the main power connection is not delivered with the processor.

MAIN POWER CONNECTION

The main power connection must be made in the processor's field-wiring box located on the right side of the processor below the main switch (see illustration below).



MAIN POWER OUTLET

Provide a main power outlet close to the installation site. The table below indicates the applicable power supply types and to which processor models they apply. The table also shows recommended power supply cables:

Voltage tolerance : +/- 10%
Max. power cons. : 4100 Watts
Heat emmision,
Average - stand-by : Approx.
1500 Watts ~ 5120 BTU/hour
Average - operation : Approx.
4100 Watts ~ 14000 BTU/hour

WARNING! The processor is Class 1 equipment. Therefore, the processor must be connected to earth to avoid electrical shocks.

	Supply/Fuse	Recommended cable type	68	85
JAP	3 phases, 3W + PE, 200V / 3x15 Amps, 50-60 Hz	Min. 4 x 12 AWG, type SJO	●	●

CABLES

CAUTION 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.

FUSES

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

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

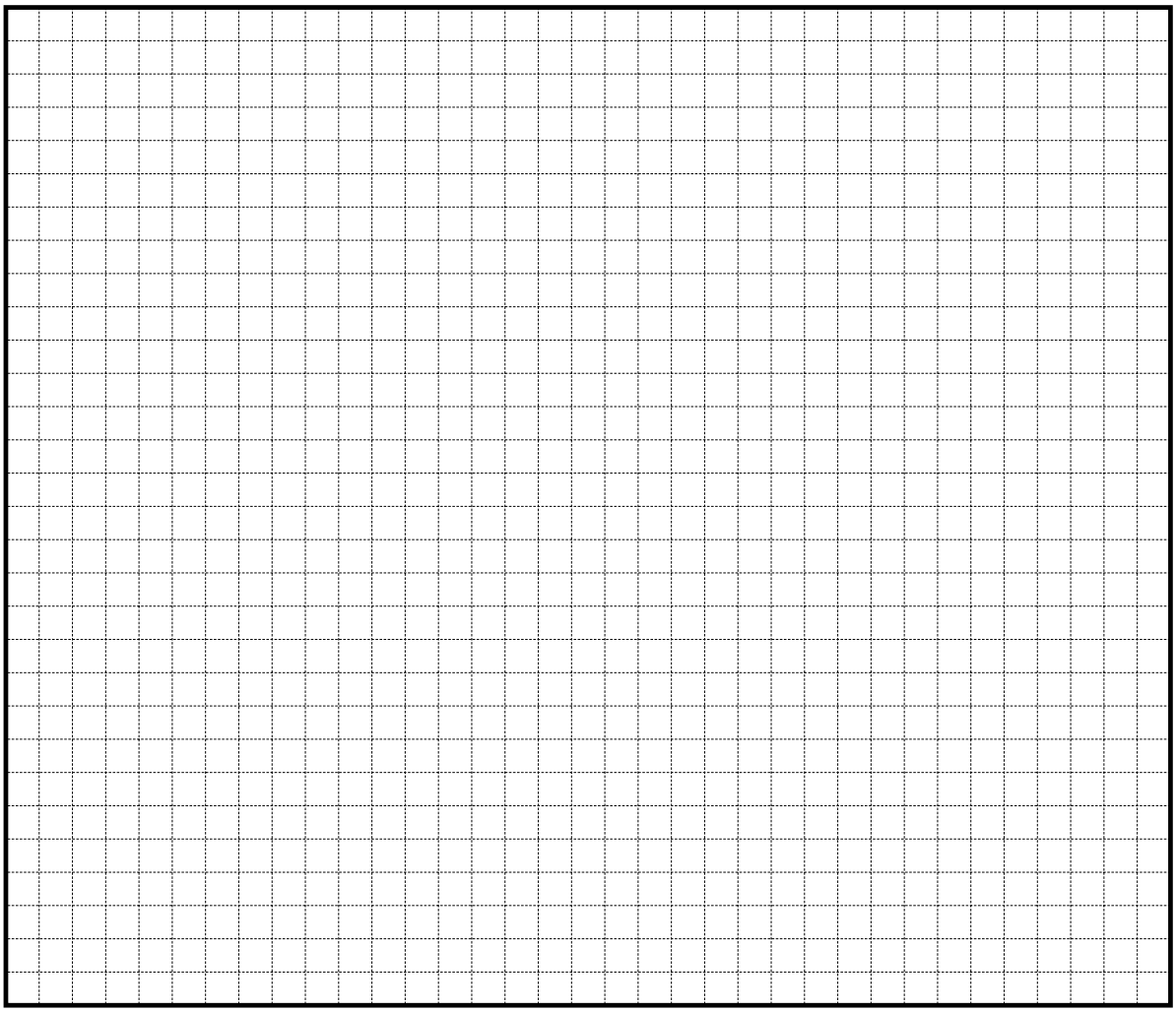
	YES	NO
A. Is there a place indoors where the packing box can be stored temporarily?	❑	❑
B. Is there a hand-powered pallet mover, a fork-lift truck or any other lifting device available?	❑	❑
C. Can the crate be transported directly to the installation site? ***See minimum width specifications on page 7.***	❑	❑
D. Is it sufficient to unpack the processor before it is transported to the installation site? ***See minimum width specifications on page 7.***	❑	❑
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 max. 10600?	❑	❑
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: