Miele
PROFESSIONAL

Installation plan

PLW 6111

It is **essential** to read the operating instructions as well as the service documentation before the machine is installed or used for the first time.

en - US

M.-Nr. 11 206 630

Installation notes

Installation requirements

This machine must be installed by a **suitably qualified person with the appropriate electrical and plumbing qualifications** in accordance with the installation instructions supplied.
This machine must be installed in accordance with all applicable standards and guidelines, including legal requirements and health and safety regulations.
The machine must be **commissioned** and operatives trained in its use by Miele Service or by an approved Miele Service Partner only.

Surrounding area

Condensate can build up in the area surrounding the machine. Any cabinetry and fixtures in the room must be suitable for such an environment.

Installation

The machine must be installed on a level surface.

Electrical connection

Connection to the electrical supply must be carried out in accordance with local and national safety regulations. The power cord must be protected from the risk of thermal damage.
It is recommended to make electrical connections via a **plug and socket** so that service and maintenance can be carried out easily.
For **hard-wired machines** this must be via a main switch to be provided on site, which must completely isolate the machine from the power supply with a contact gap of at least 1/8'' (3 mm).
The plug and socket as well as the main switch must be easily accessible after the machine has been installed.

Equipotential bonding and grounding

Equipotential bonding should be carried out if required. The screw connection point for equipotential bonding **(size M8)** is located at the back of the machine. **Equipotential bonding and grounding must be carried out before the machine is commissioned.**

Vented Air Connection

Vent to atmosphere with steam condenser.
In order to improve room climate as far as temperature and humidity is concerned the chamber vent can be connected to an external venting conduit. **Prevent condensate backflow** into laboratory glassware washer.
Pitch vent ducting and discharge condensate at lowest point. The conduit must be in stainless steel A304 (V2S) or in a plastic material suitable for high temperatures (**constant 203 °F**)
or in polypropylene (PP).
In case of connection with an external system, provide the air break.
Vent to atmosphere with steam condenser. Vent multiple laboratory glassware **individually** (do not use manifold).

Technical details

Electrical connection

Voltage (standard version)	3 AC 208V/60Hz
Power rating	8.25 kW
Fuse rating	3 x 30 A
Power cord, min. cross-section	4 x AWG 8
Power cord length	6' 6'' (2 m)
Voltage fluctuation, max. permitted	+/- 10%

Cold water

Length of cold water inlet hose	6' 6''
Maximum temperature	59 °F (15 °C)
Water hardness, max. permitted without water softener (If the water hardness is more than 4 gpg, a water softener must be used. Connection for liquid dispensing system is available.)	4 gpg
Minimum flow pressure	29 psi
Maximum pressure	116 psi
Flow rate	3.2 gal/min
On-site threaded union	3/4" Pipe thread

Hot water

Inlet hose length	6' 6''
Maximum temperature	140 °F
Water hardness, max. permitted without water softener (If the water hardness is more than 4 gpg, a water softener must be used. Connection for liquid dispensing system is available.)	4 gpg
Minimum flow pressure	14.5 psi
Maximum pressure	116 psi
Flow rate	3.2 gal/min
On-site threaded union	3/4" Pipe thread

Demineralized water

Length of demin. water inlet hose	6' 6''
Maximum temperature	140 °F
Max. water hardness	0.82 gpg
Minimum flow pressure	14.5 psi
Maximum pressure	116 psi
Flow rate	3.2 gal/min
On-site threaded union in accordance with DIN 44991 (flat sealing)	3/4" Pipe thread

Waste water

Waste water temperature	199 °F
Wall opening for waste water line	1 9/16"
Center point of wall opening (height above finished floor)	27 9/16"
Max. transient flow rate	13.2 gal/min

Exhaust air

Exhaust air flow rate	88 cfm (150 m^3/h)
Min./Max. temperature	86 / 104 °F
Min./Max. humidity	70 / 100 %
Max. pressure loss in exhaust air line	0.01 psi

Machine feet

Number of machine feet	4
Height adjustment	0-1 3/16"
Diameter of machine feet	1 3/4"

Heat dissipation rate to installation site

From heat radiation during operation of PLW 6111	1194 btu

Installation requirements

Permitted ambient temperature	41-104 °F
Relative humidity	20-90 %
Max. installation altitude above sea level	6500* ft
* Special versions are available for higher altitudes	

Technical details

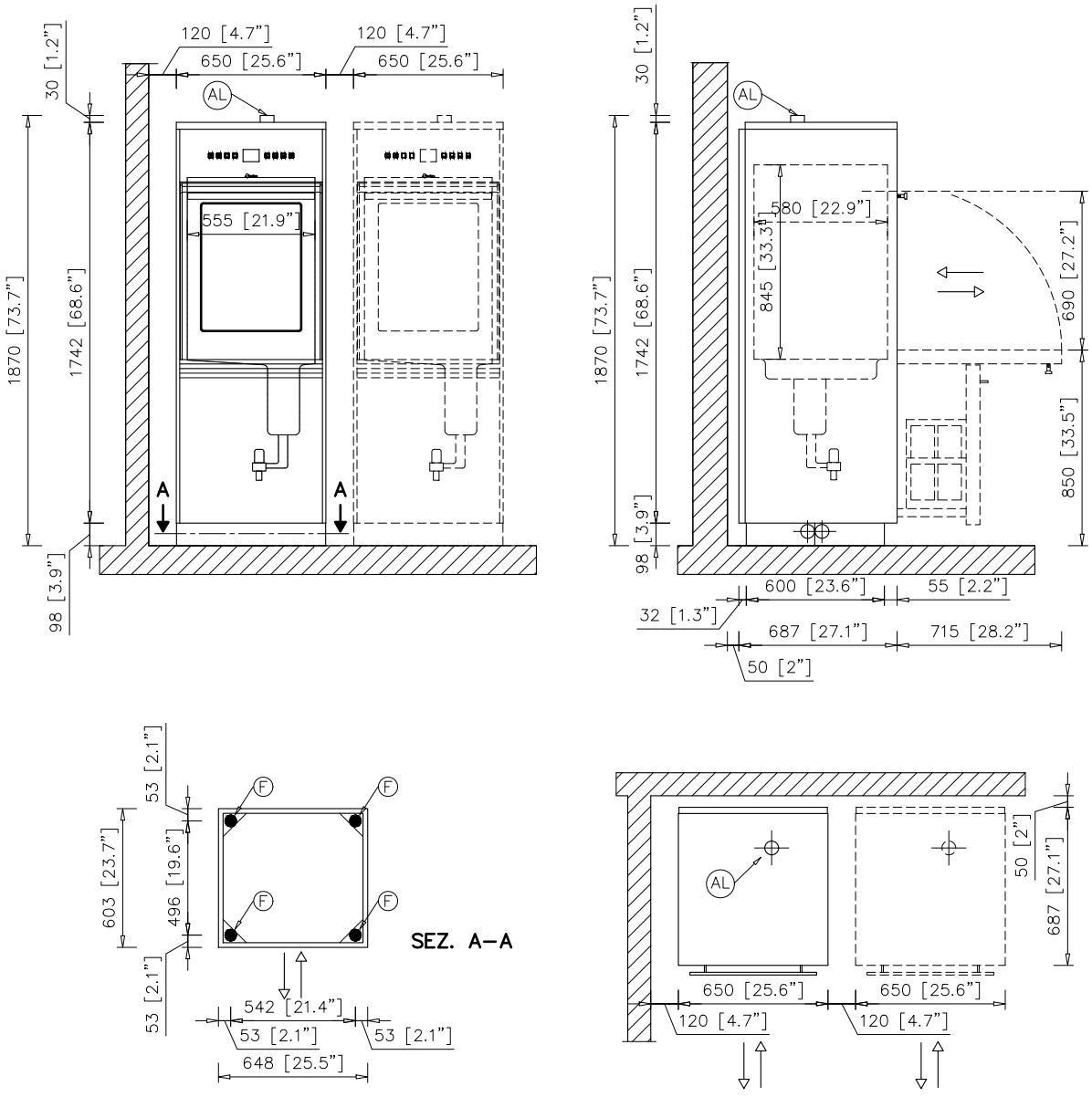
PLW 6111 machine data

Height	73 5/8"
Width	25 9/16"
Depth	27 1/16"
Net weight	553 lbs
Floor load in operation	~3260 N
Max. floor load	121 daN/ft^2
Min. access width, incl. transport pallet	37 3/16"
Min. access depth, incl. transport pallet	33 1/16"
Min. access height, incl. transport pallet	83 1/16"
Noise emissions	< 70 dB

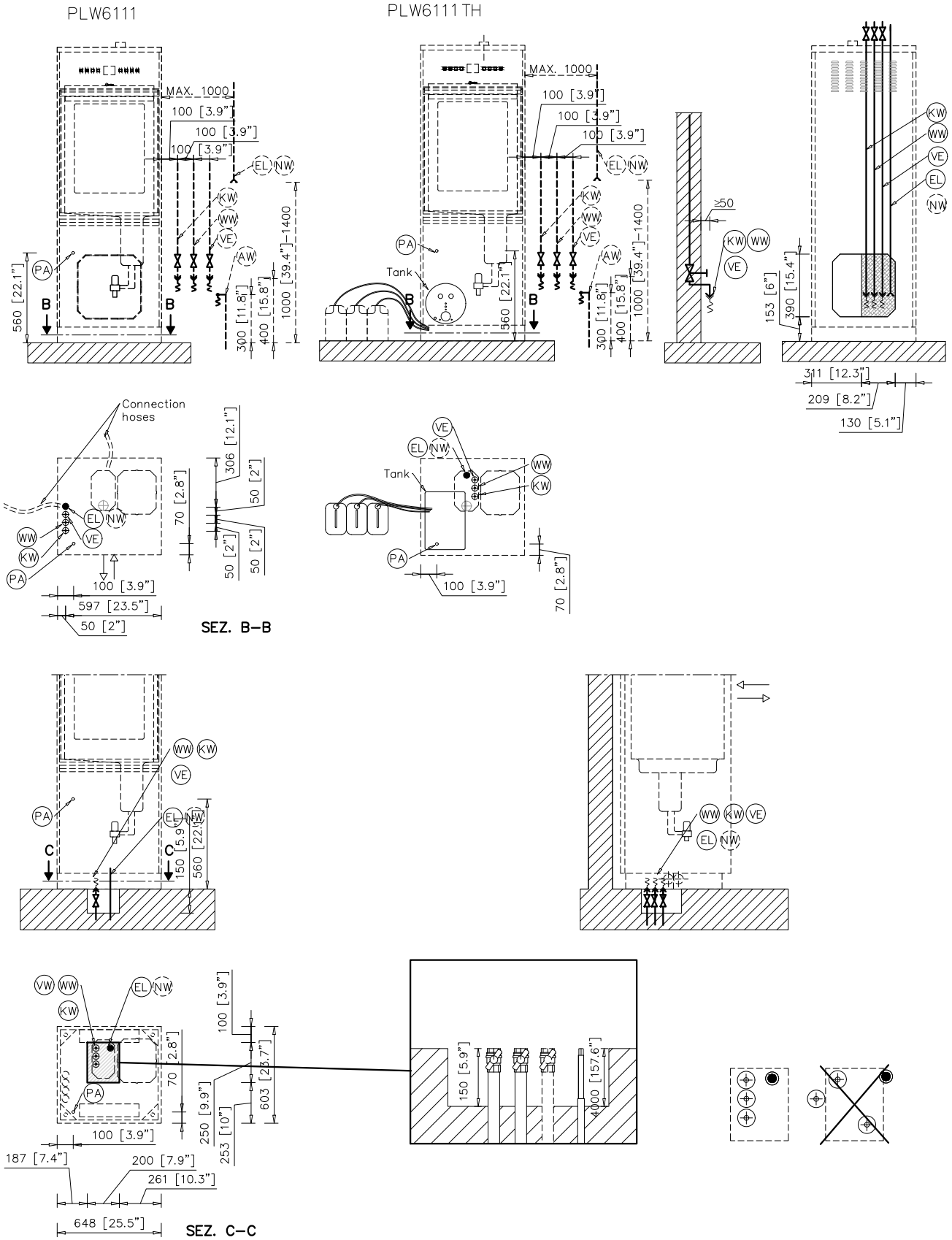
Abbreviations

EL	Electrical connection	PA	Equipotential bonding
KW	Cold water connection	AW	Drain connection
VE	Demineralized water connection	HF	HEPA filter
NW	Network and printer connection (optional)	AL	Vent connection
F	Machine feet		

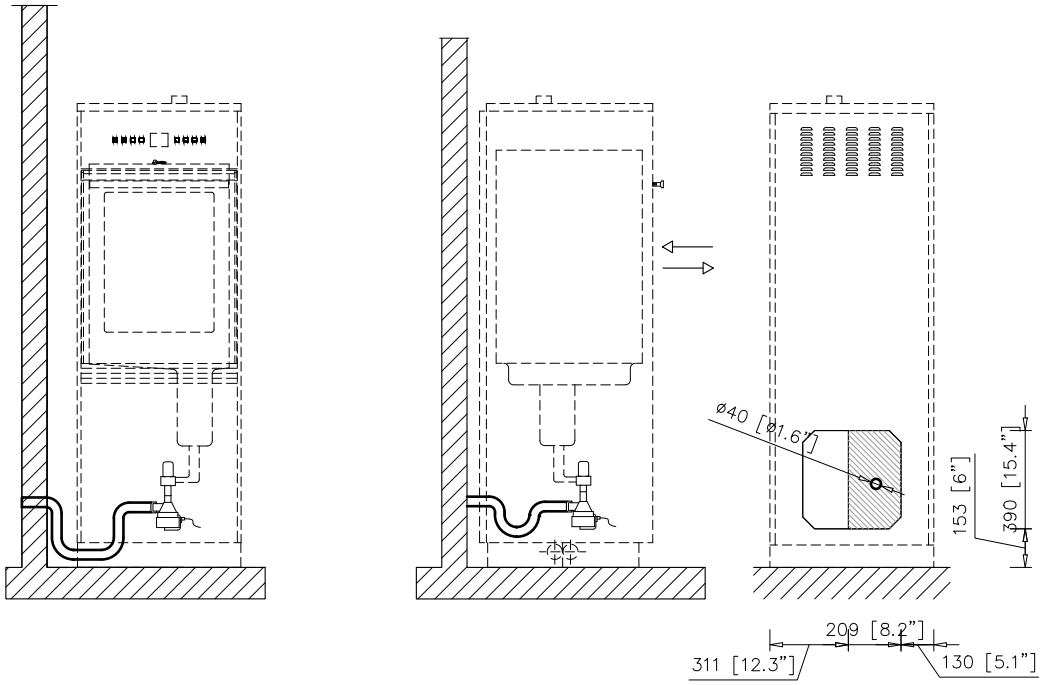
PLW 6111 dimensions



PLW 6111 connections

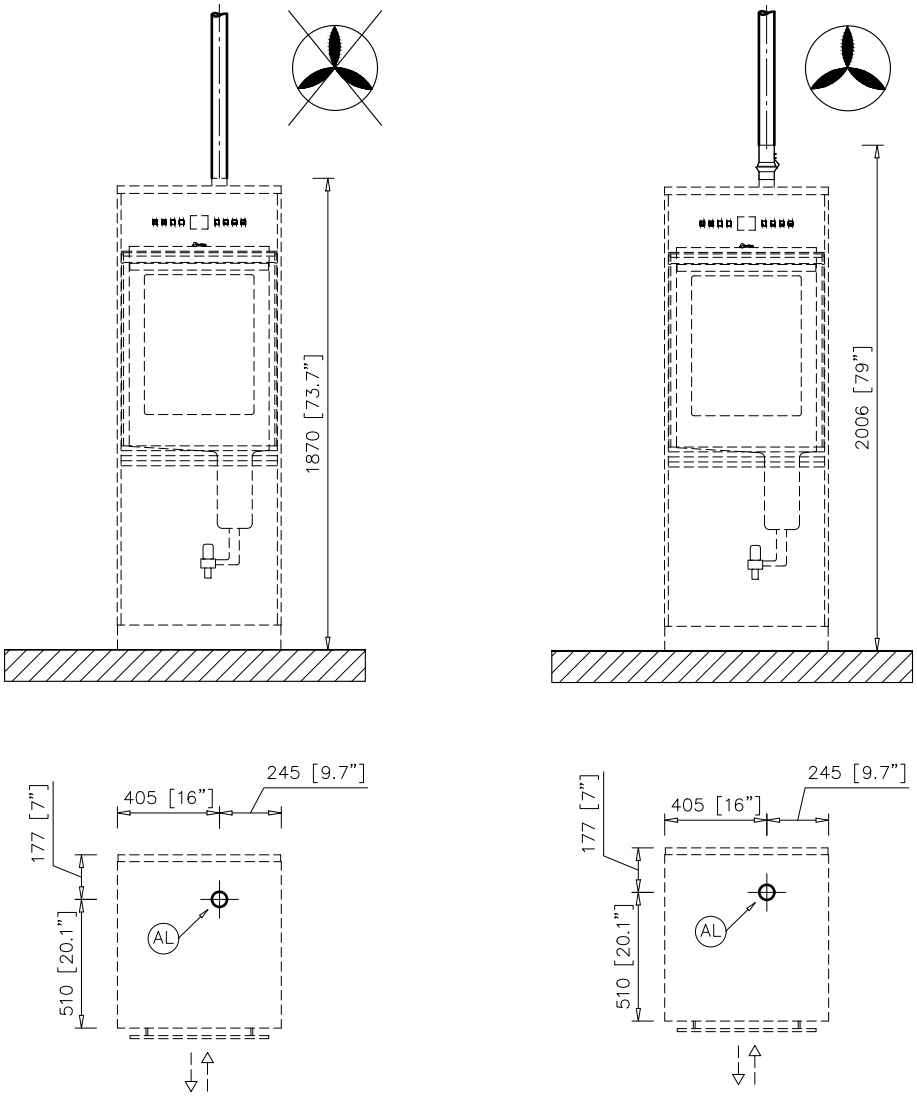


PLW 6111 drain pump



Dimensions

PLW 6111 exhaust air



Please have the model and serial number of your machine available when contacting Technical Service.

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