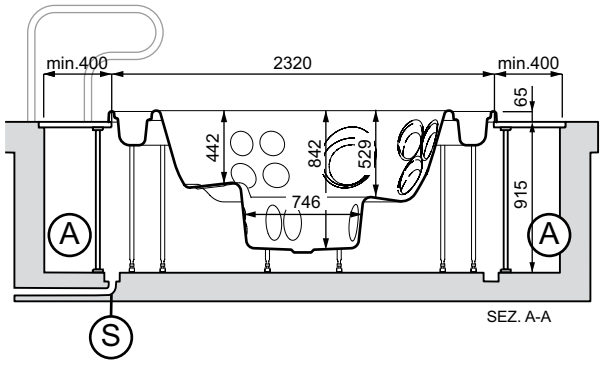
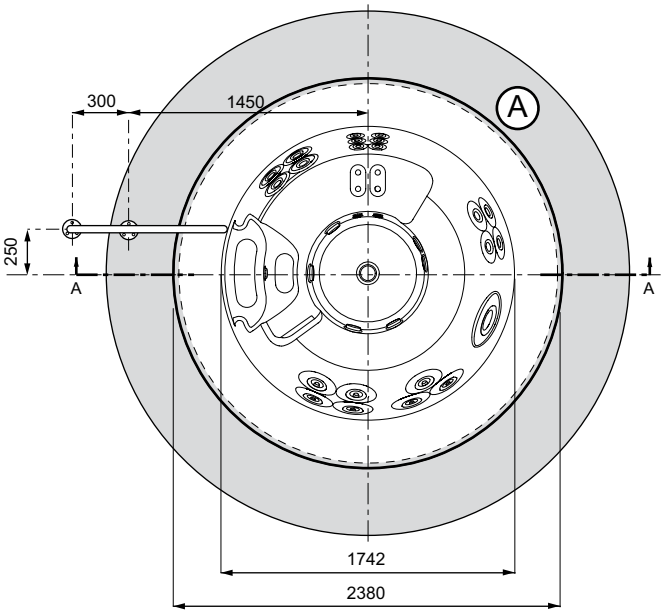
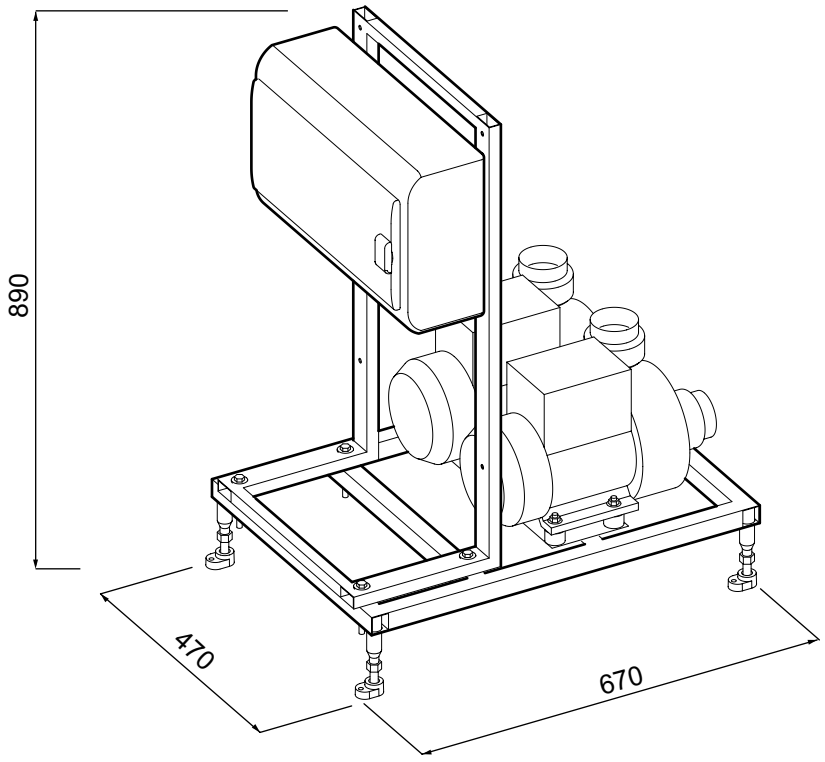


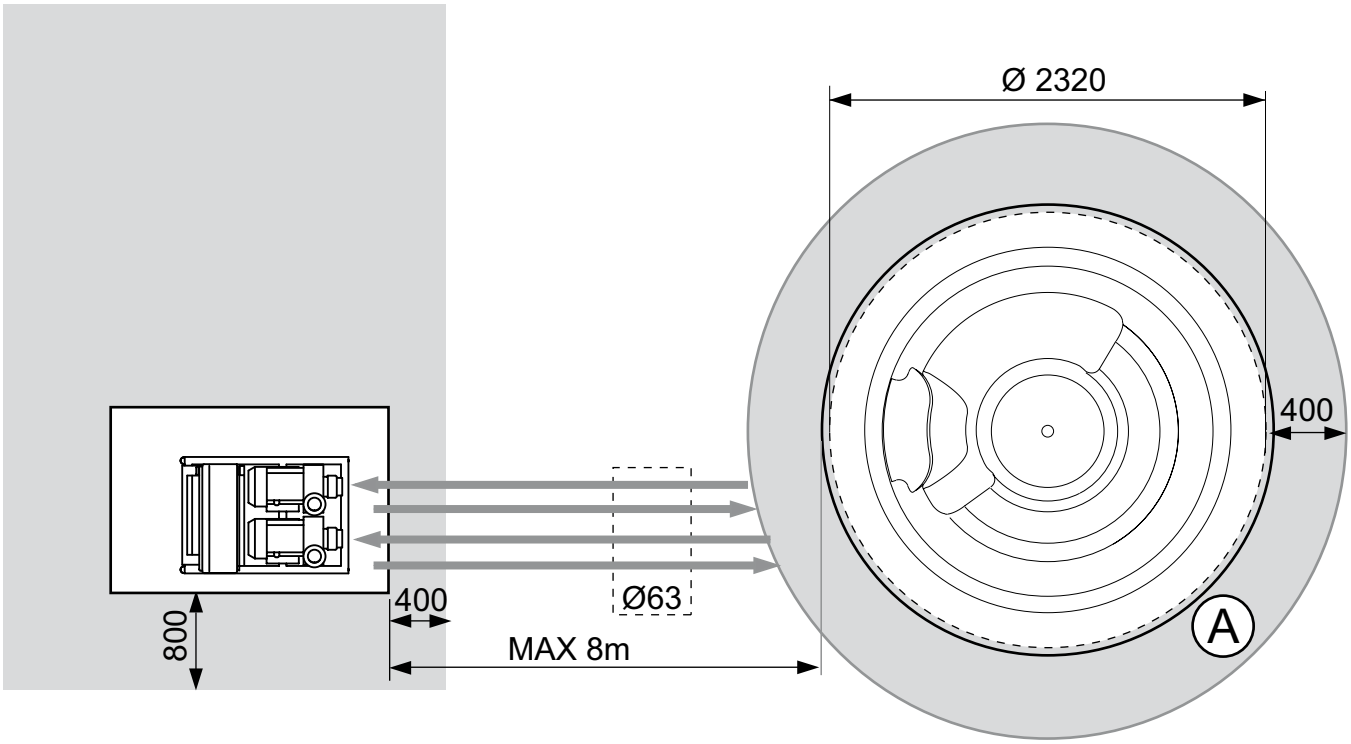



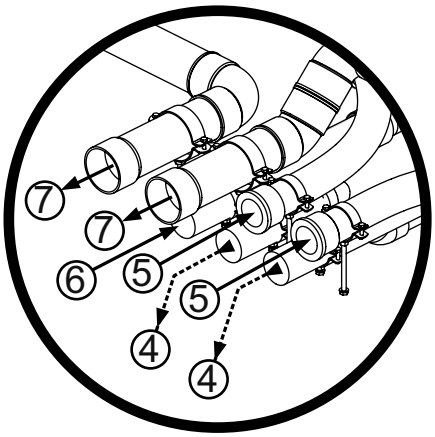

**Spa-pack**

Measurements in mm.

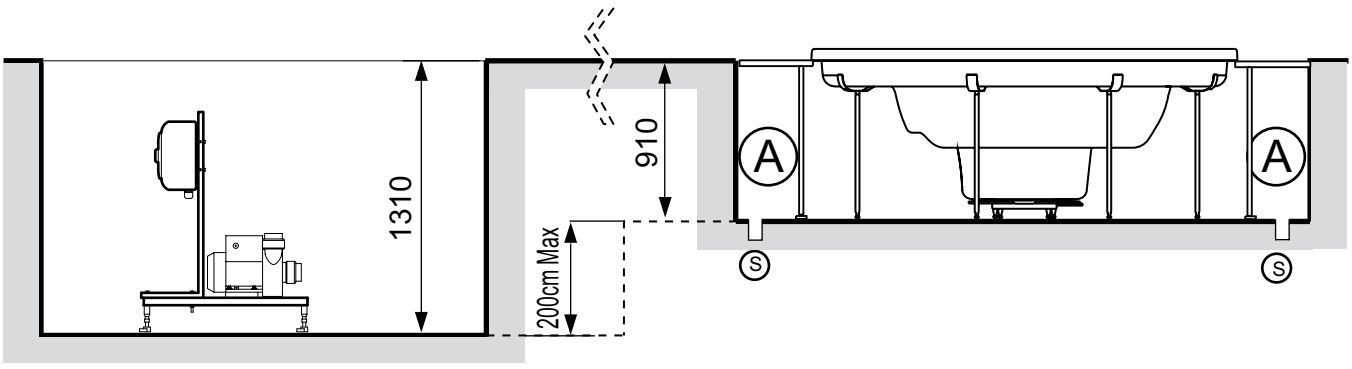
| Model | Net Weight **kg.** | Water Capacity **litres.** | Floor load capacity (min) **kg/m$^2$** | Shipping Weight **kg.** | Shipping Volume **m$^3$** |
|---|---|---|---|---|---|
| **620HU** | **225** | **1100** | **440** | **479** | **8,36** |
| **Spa-pack** | **44** | **-** | **150** | **48** | **0,35** |

| **ELECTRICAL SPECIFICATIONS** | | | | |
|---|---|---|---|---|
| Model | **V** | **Hz** | Power consumption **kW** | Max power consumption **kW** |
| **4WST28** | **230** | **50** | **800** | **4,5** |




| | Ø |
|---|---|
| 4 | 63 mm |
| 5 | 63 mm |
| 6 | 50 mm |
| 7 | 80 mm |



**WARNINGS**

- **The product must be installed exactly as supplied by Teuco, otherwise warranty will be invalidated. The directions for installation must be observed to the letter, as must those concerning recommended materials and the accessories supplied with the product.**
- **Electrical connections must be carried out in compliance with national safety regulations, as indicated in the preinstallation data sheet.**
- **This manual constitutes an integral part of the product and must be kept for future reference.**
- **Data and specifications indicated are not binding on the company: Teuco Guzzini SpA reserves the right to make such changes as are deemed appropriate without prior notice and without any obligation to update.**
- **The product has been designed for domestic use. In case of heavy-duty use, as well as the technical and safety guidelines envisaged by Teuco, it is also necessary to guarantee full compliance with specific legislation for equipment, safety and the treatment of water, as in force in the country where the Teuco minipool is being used.**
- **The contractor/owner is responsible for verifying and ensuring compliance with local regulations prior to installation.**

## TECHNICAL SPECIFICATIONS

The 620HU pool comprises:

- SPA-PACK: includes the whirlpool pumps, the filtration system (sand or cartridge) and the water heating system (heat exchanger or electric heater).
- MINIPOOL: the actual pool must be connected by pipelines to the Spa-pack, the overflow tank and the drain.

## PREDISPOSITION FOR THE INSTALLATION

**Minipool**

The minipool is designed specifically for built-in type installation, with the edge exactly at floor level; refer to the dimensions indicated in the drawings when preparing the pit.

**(N.B given that dimensional specifications may be subject to slight variations, check all measurements before proceeding with installation).**

The pit for the built-in minipool should be cast in concrete, observing the dimensions indicated in the drawing and making certain that the structure is perfectly level. The plinth or slab directly supporting the minipool must be able to support the load (see table on page 2).

Leave a void (A) at least 40 cm wide all round the minipool to ensure sufficient freedom of access to the plumbing and electrical equipment installed beneath the tub.

The void must be covered with removable grate decking carried on suitably sturdy supports and affording air passages of at least 0.3 $m^2$ overall so that the pit will be adequately ventilated.

Provide channels and a drain outlet (S) at the bottom of the pit so that water will not collect and stagnate.

Plan the routes, preparing ditches and ducts where necessary, for the water pipelines and electrical wiring connecting the pool to the Spa-pack, the overflow tank and the drain gully (C); the pipelines are as indicated in this manual (figures 1, 8a, 8b, 9a and 9b), and must be positioned in such a way as to avoid any possibility of siphoning in the system.

### Spa pack

**The Spa-pack must be installed at a distance of less than 8 metres from the minipool:** the shorter the pipelines can be made, the lower the pressure losses, and the better the general performance both of the filtration system and of the whirlpool system. In any event, the Spa-pack must be positioned at a height either level with or lower than the overflow tank.

It is advisable to avoid bends as far as possible, and preferably to use flexible plastic pipe (PVC). The pipe utilized must be able to withstand pressure up to 3 bar and temperature up to 60 °C.

Where flexible pipe is used, make certain the properties of the material are such as to withstand negative pressure generated on the suction side of the pumps.

**As regards the part of the installation to be built on site, the selected diameter of the pipelines must not be altered, for example by selecting different pipe diameters, or fittings for pipelines of different diameters.**

Valves supplied and installed by the contractor must be of ball type design and present a flow cross-section, when open, equal to that of the pipeline. During normal operation, all valves installed (apart from the drain valves) must be in the fully open position.

The Spa-pack must always be installed in an enclosed but ventilated space, inaccessible except with keys or special tools, and protected from water and weather.

**The temperature in the enclosure housing the Spa-pack must not exceed 40 °C, otherwise the pumps may not cool properly and the integrity of the electronic control equipment could be affected.**

## PREDISPOSITIÓN CONNECTS HYDRÁULIC

The contractor will supply all the plumbing material (including fittings, ball valves, etc.), needed to connect the minipool to the Spa-pack and to the overflow tank, and must install suitably proportioned gullies, inspectable and accessible for cleaning purposes, into which the drain pipelines will be directed.

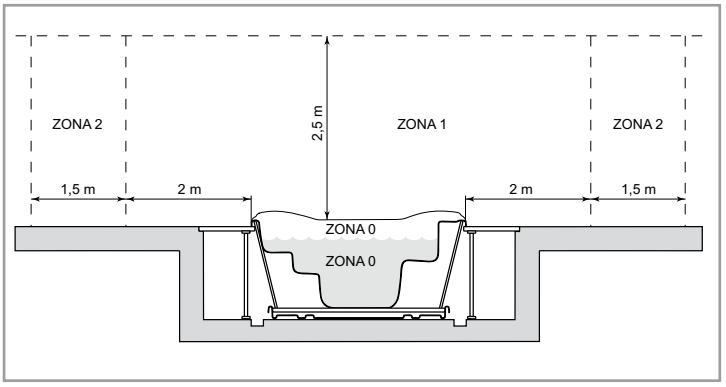
**DRAIN:** the contractor must install a Tee and a relative valve on the pipeline connecting the outlet side of the filtration pump to the pool.
The drain line to the gully C can take the form of a hose connected to the valve on the Tee, or alternatively, a permanent drain line can be installed.
**In particularly cold climates, where there is a risk of residual water freezing in pipelines, it is advisable to install drain valves at strategic points on the various circuits, so that the system can be emptied completely.**
**IMPORTANT: before making any permanent connection to the main drain, contact the local authorities to check on regulations governing the disposal of chemically treated water.**

**FILLING:** the recommended method of filling the Teuco 620 is to use an ordinary hose, taking care not to immerse the end as this could allow reflux of water back into the main (3).

**IMPORTANT: if the intention is to connect the minipool permanently to the water supply, suitable non-return devices must be incorporated to prevent reflux back to the water main.**
**Contact the local authorities before proceeding with this type of installation.**

## ELECTRICAL CONNECTIONS

The electrical power supply must be in compliance with IEC 64-8 standard.
For sizing purposes, we would like to specify that the max. power absorption, as stated in the “electrical characteristics” table, should be interpreted as rated power absorption during operation.
The connection to the power supply must be permanent.
The item must be connected to the mains using a multi-pole power switch (I) with a switch-contact gap that guarantees complete cut-off in over-voltage category III conditions (min. 3 mm), placed outside the areas 0,1,2 (CEI 64-8/7).
Make certain the appliance is connected to the power source by way of a residual current device with minimum threshold =30 mA.
The appliance must be equipotentially bonded by making the connection to the terminal( ⏚ )positioned on the baseplate of the Spa-pack.




Make the power connection to the electrical panel using a 3-way cable of specifications suitable for the application, which must be secured with the PG 29 clamp provided on the panel for the purpose.
The connection must be made utilizing the terminals of the isolating switch and the earth bar located internally of the panel.
Thereafter, make the power connection to the underwater light (12V-2A), which requires a two-core cable (not supplied). Specification: 2 x 1.5 H05VV-F.
Connect the wires to the panel using terminals N. 22 and N. 24, securing the cable with the PG 13.5 clamp provided, and to the light fitting by way of the relative terminal strip.
The underwater light must also be earthed, using a suitable green-yellow wire (not supplied) of which the two ends are connected respectively to the earth bar internally of the panel (PG 7 clamp available), and to the screw on the body of the fitting.
Secure both ends of the earth wire using suitable crimp terminals and lockwashers.
Use the equipotential bonding terminal provided on the baseplate of the Spa-pack to connect the equipment to the earth system of the building.