HANSCRAFT®
european spa producer

ASSEMBLY PREPARATION OF THE HOT TUB

MARK 6

Assembly preparation of the hot tub

Dear customer,

we would like to thank you for the trust you have put in our product and us. We sincerely hope you are going to be satisfied using the hot tub. To ensure a faultless installation of the hot tub, it is necessary to comply with the following described steps.

1. Underlay for the installation of the tub

The MARK 6 must always be installed on a flat, strengthened surface. The surface must be strenghtened sufficiently, taking into account the dimensions and weight of the hot tub. Ideally, we recommend you to prepare an at least 20 cm thick base plate/slab with a gravel base. The weight of the hot tub depends on the model. It is necessary to take into account the weight of the hot tub + water + the people using it (approx. 10 000 kg). Consult your building supervisor about the thickness of the slab. If you decide to place the hot tub on the ground, possibly embed it below ground level, it is necessary to place a water drain at the installation site, however, not under the bath. In the case of the embeding of the hot tub, a free access area of 60 cm must be maintained around the entire perimeter of the hot tub for servicing work purposes. The area must be perfectly drained and deaeriated. Before any servicing or winterizing, the customer must remove the floor covering and ensure troublefree access for the servicing technician!

2. Preparation of the electrical connection of hot tubs 3× 230/400 V

Only a person with a valid license for electrical installations in accordance with applicable regulations at the installation location is allowed to perform the installation of the whirlpool.

MARK 6 utilizes two separate supply conductors. The swimming part must be equipped with a three-phase circuit breaker rated at 3× 20 A with C/D characteristics and a cable with conductor cross-section of CYKY J5× 4 mm. Additionally, a supplementary connection is required with a green-yellow wire H07V-K4 (CYA 4). The whirlpool part must be equipped with a three-phase circuit breaker rated at 3× 16 A with C/D characteristics and a cable with conductor cross-section of CYKY J5× 2.5 mm. Again, a supplementary connection with a green-yellow wire H07V-K4 (CYA 4) is needed. Electrical installations must always be equipped with a three-phase current protector with a rated value of 40 A, which will serve exclusively for the specified type of appliance. The product does not use combined voltage of 400 V. Cables must have an additional 10 usable meters at the whirlpool location to allow easy extension and connection to the control unit. Do not route the cable under the whirlpool. The means for disconnecting the appliance must be incorporated into the fixed wiring in accordance with the regulations for electrical installations.

3. Technical data

type of connection	SWIMMING AREA 3× 230/400 V ~	HOT TUB AREA 3× 230/400 V ~
nominal voltage	three phase (unassociated)	three phase (unassociated)
	400 V 50 Hz	400 V 50 Hz
total wattage kW/h	up to 10 kW/h	up to 6 kW/h
value of circuit braker	from 3× 20 A/C or D	from 3× 16 A/C or D
connection cable	CYKY J5× 4°	CYKY J5× 2,5°
protectivce conducter	green-yellow wire H07V-K4 (CYA 4)	green-yellow wire H07V-K4 (CYA 4)
ground fault circuit interrupter	40 A	40 A

4. Other information

Fill the hot tub with water with a garden hose using the skimmer, drain the hot tub once every three months (in regard to the frequency of its usage). Before you drain the hot tub, make sure the concentration of the chemicals is lowered enough not to create risks for wastewater purifying plants and organisms living in the water. If you are not sure, ask the local sewerage facility.

Do not ever drain the water into a septic tank or home wastewater purifying plant!

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If the whirlpool is recessed into the ground, a 60 cm clearance must be accounted for around its entire perimeter. In the case of placing the whirlpool next to a house wall or terrace, access to the side panels must be ensured from all sides. The possibility of accessing the side panels from all sides should also be secured during installation, servicing, or winterizing, or there should be a way to move the whirlpool precisely for these purposes.

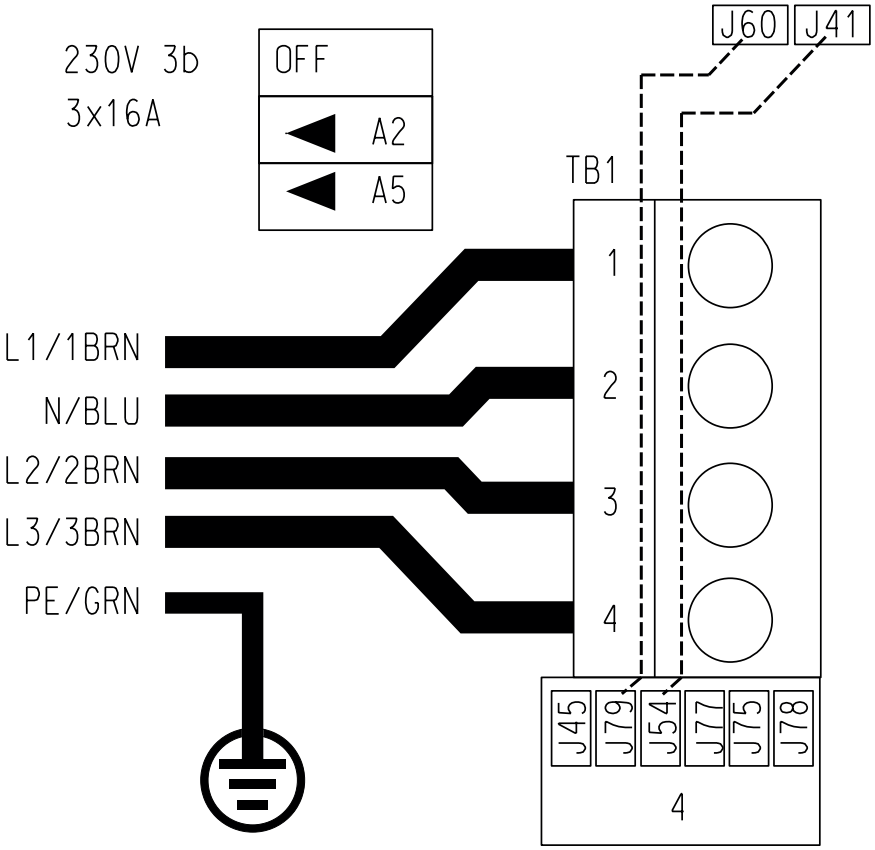
Do not install the hot tub in places where there is a risk of sunlight being amplified by glass surfaces, which can cause extremely high temperatures. For example, if the hot tub is located under a glass roof, etc. Damages caused by these circumstances are not covered by the warranty!

If the installation requires a crane, customers reserve it themselves. The customer reserves a sufficient number of people to handle the hot tub installation. Do not lift the bath by any part of the pipe-work!

If the instructions in this document are not complied with, the technician will not be able to connect the hot tub. The technician is allowed to leave the place of the installation in that case and the customer loses their right for a refund. Any following plans for finishing the installation will abide to the installation calendar and the customer will be charged for them.

Thank you for using Hanscraft Czech quality products.

5. Electrical connection diagram



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