

Immersion heater NIBE ELK 213

The NIBE ELK 213 is an electric heater designed for heating detached houses or smaller rental homes, as well as indirect heating of hot water.

The NIBE ELK 213 can be installed together with a boiler, accumulator tank or heat pump.

When installed together with a heat pump, for example, the electric heater automatically switches on to provide supplementary heating when the heating demand is greater than the heat pump's capacity.

- Efficient electric heater for detached houses and smaller rental homes.
- Flexible, electric additional heat, max. 13 kW.
- Can be installed with different heat sources.



Good to know about ELK 213

General

ELK 213 is an electric heater intended for heating buildings and the indirect heating of hot water.

ELK 213 can also be installed together with a boiler, accumulator tank or heat pump. When installing together with e.g. a heat pump, the electric heater is engaged automatically as supplementary heating when the heating demand is greater than the heat pump's capacity.

Design

The insulation consists of 30 mm of polyurethane, surrounded by a durable painted steel jacket.

ELK 213 contains overheating protection and contactors for external control of the four power groups, 7, 9, 11 and 13 kW. Thermostat for the immersion heater and isolator switch is operated by a knob on the control panel.

ELK 213 is equipped with a time relay. The time delay is recommended when the connected power exceeds 6 kW.

The terminal block and miniature circuit breaker for the circulation pump are installed under the cover on ELK 213.

Installation

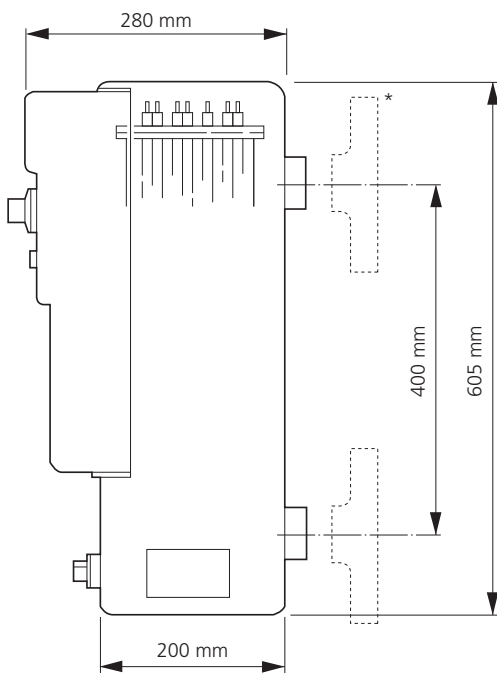
Pipe installation must be carried out in accordance with current regulations. The electric heater must be installed upright.

A free space of 200 mm in front and 500 mm above the heater is required to carry out servicing. If this is not possible, detachable connections must be used.

The supply and return line connections have an external thread (R50), the drain connection has an internal thread (R20) and is supplied with a plug that can be easily removed if the connection is to be supplied with a drain tap. The drain connection can also be used as a return line connection.

Technical data

Dimensions



* Counter flanges, R50. Accessory is required.

Accessories

Thread flange kit

For installation of electric heater ELK 213 on SP 300.

Part no. 022 077



Technical data

| | | |
|------------------------------------------------------|---------|------------------------------|
| <i>Type</i> | | |
| Energy labelling | | |
| Energy efficiency class for space heating | | D |
| Electrical data | | |
| Rated voltage | | 400V 3N ~ 50Hz |
| Max output, electric heater | kW | 13 (output on delivery 9 kW) |
| Max. permitted total current for connected apparatus | A | 10 |
| Recommended fuse rating immersion heater | A | 20 |
| Enclosure class | | IP21 |
| Heating medium circuit | | |
| Max permitted pressure in the boiler | MPa/bar | 0.3/3 |
| Min. flow/max. flow | l/h | - / 1800 |
| Dimensions and weight | | |
| Weight | kg | 18 |
| Volume | litre | 7 |
| Miscellaneous | | |
| Part No. | | 069 500 |

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