

## ELECTRIC HEATER - standard 3 - 18 kW



### DESIGN SPECIFICATION

INVARMEK ELECTRIC HEATERS are made from 3 - 18 kW. (See leaflet 11.6E for sizes 24 - 72 kW and leaflet 10.10E for commercial range 36 - 108 kW)

The heaters 3 - 18 kW are provided with stainless steel elements, external temperature setting control thermostat 10 - 50° C and overheat thermostat (re-set button). All sizes are suitable for 1- or 3-phase connection using the wiring kit provided.

INVARMEK ELECTRIC HEATERS are supplied with a plugged threaded tapping for use with pressure switch Art.no. 11 222 000 which can be supplied as an optional extra.

### MATERIAL

The tank and element are manufactured from EN 1.4436 stainless steel.

### PRODUCT DESCRIPTION

INVARMEK ELECTRIC HEATERS are suitable for swimming pools, spas, whirlpools, fish farms and industrial tanks (not for salt water)



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## TECHNICAL DATA

Voltage:	230 / 400V
Power:	see table
Temperature range:	10 - 50° C
Connection:	BSP 1 1/2" (female)
Working pressure:	4,0 bar
Testing pressure:	5,2 bar
Electrical threads:	1 x Pr 22,5 1 x Pr 28,3

## INSTALLATION

INVARME X ELECTRIC HEATERS are delivered with brackets for floor or wall mounting. Plastic pipework can be connected to all sizes.

Mounting and wiring instruction are included in the box. A separate contactor must be used for the connection of the electrical supply and interlinked to the pump to ensure that the heater only operates when the pump is also running.

There is sufficient room inside the heater connection box to site the heater contactor if desired on sizes 3 - 12 kW.

## N.B.

INVARME X ELECTRIC HEATERS must be installed by a qualified electrician.

Art No	Type	Power (watts)	Measurements (diameter x length)	230V 1-phase	400V 3-phase
11 202 000	USE-3	3000	73 x 515	13,0 Amp	4,3 Amp
11 204 000	USE-6	6000	73 x 515	26,1 Amp	8,7 Amp
11 206 000	USE-9	9000	73 x 640	39,1 Amp	13,0 Amp
11 208 000	USE-12	12000	73 x 775	52,2 Amp	17,3 Amp
11 209 000	USE-15	15000	73 x 910	65,2 Amp	21,7 Amp
11 210 000	USE-18	18000	73 x 910	78,3 Amp	26,0 Amp



**INVARME X**  
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