



SHOWERS

Topaz T100si thermostatic electric shower specification



BS EN 60335
KM 52019

Topaz T100si thermostatic electric shower

The Topaz T100si is a revolutionary new development. It offers precise thermostatic control with phased shutdown, plus it has an LCD for precise temperature indication. It also features a unique limescale trap, which can be easily removed for cleaning to ensure long lasting performance.

A dramatically different design that offers you the added options of six interchangeable, push-on colour fascias. The unit comes with the 'Sea Spray' fascia (shown opposite) and the others are available as low cost accessories, allowing you to change the colour to suit your decor.

style and finish options

Topaz T100si electric shower available with a showerhead and riser rail
All White

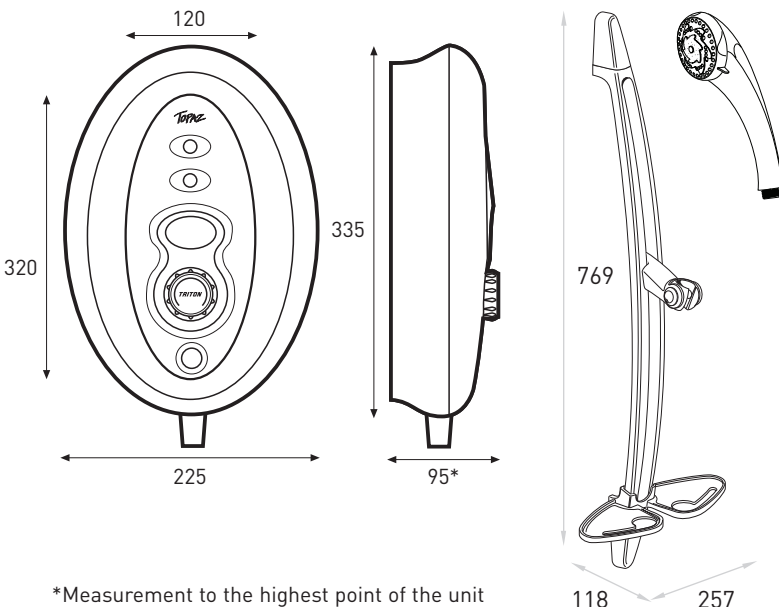
- **Thermostatic temperature control** for precise temperature selection
- **Push button START/STOP** with phased shutdown
- **Push button power selector** for selection of Cold/Economy/High
- **Rub-clean showerhead** 5 spray patterns
- **Informative LCD indicates the following:**
 - 1) precise temperature
 - 2) up or down movement of temperature control
 - 3) shutting down
 - 4) when water pressure is insufficient
 - 5) when showerhead needs cleaning

• **Power rating**

240v	230v	MCB Protection Device
8.5kW	67.9kW	40 Amps
9.5kW	8.8kW	40 Amps
10.5kW	9.6kW	45 Amps



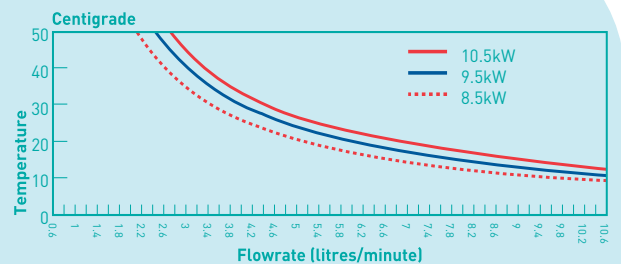
Topaz T100si
thermostatic electric shower
8.5kW - SP1i48si
9.5kW - SP1i49si
10.5kW - SP1i41si



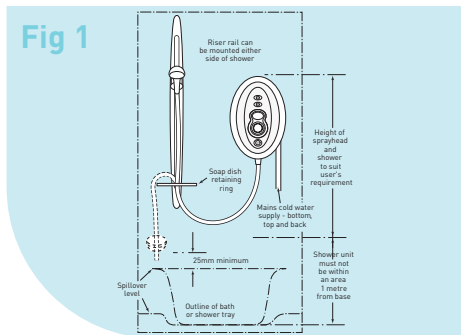
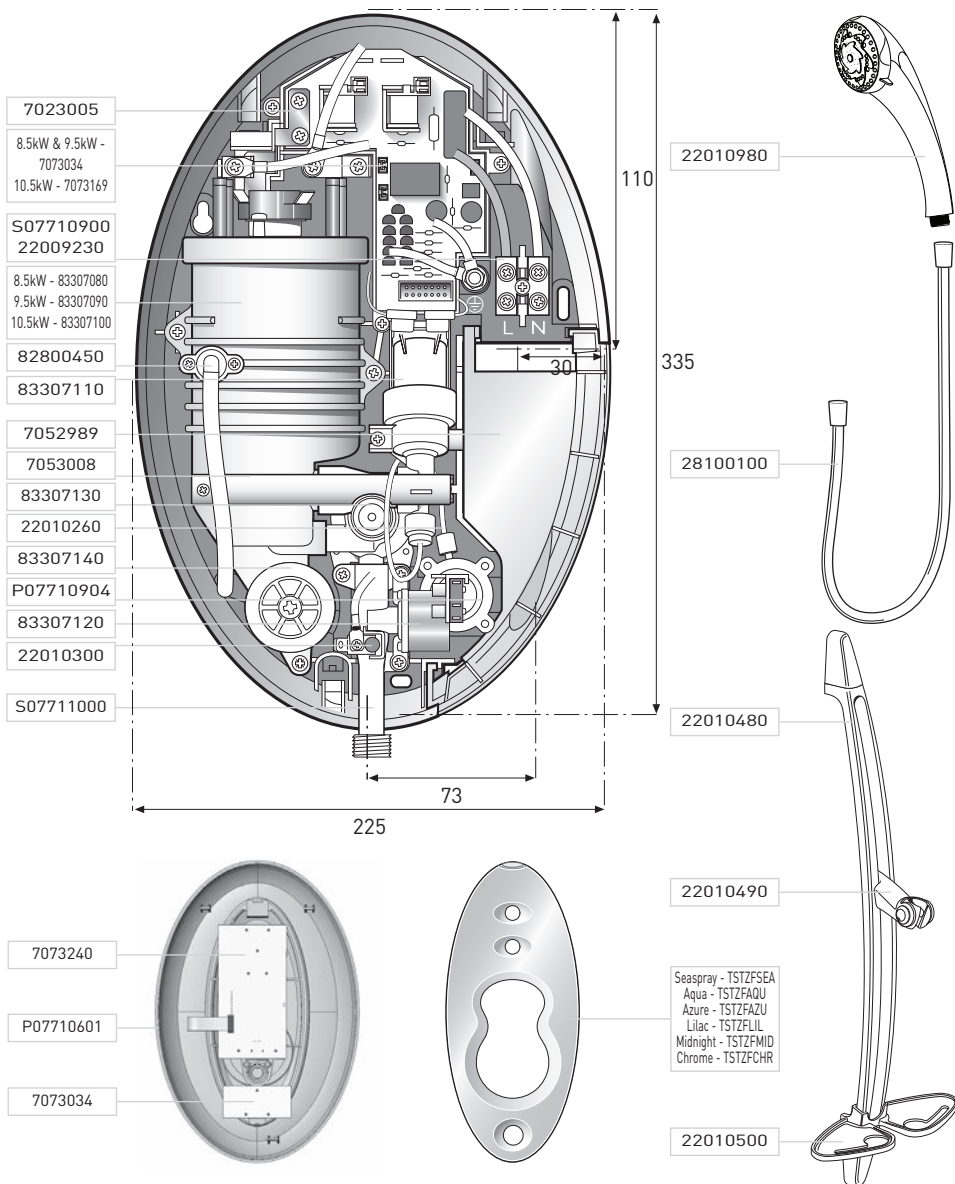
*Measurement to the highest point of the unit
All dimensions in millimetres



Temperature / flow rate



Note: The approximate temperatures indicated are based on 0°C ambient incoming water temperature. This can vary between 3°C and 23°C depending on weather conditions



SITING OF THE SHOWER

Important: If installing onto a tiled wall always mount the unit on the surface of the tiles. Never tile up to the unit. Refer to **Fig.1** for correct siting of the shower. Position the unit where it will not be in direct contact with water from the showerhead. Position the shower unit vertically. Allow enough room between the ceiling and the shower to access the cover top screws.

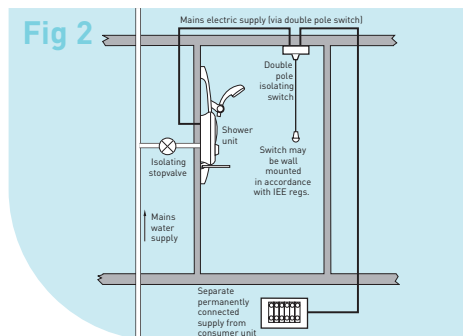
Note: Water regulations require the showerhead be 'constrained by a fixed or sliding attachment so that it can only discharge water at a point not less than 25mm above the spill-over level of the relevant bath, shower tray or other fixed appliance'. The use of the supplied soap dish will in most cases meet this requirement, but if the showerhead can be placed within a bath, basin or shower tray, then a double check valve, or similar, must be fitted in the supply pipework to prevent back-flow.

Liquid Crystal Display: This shower unit has a LCD which has an optimum viewing angle that is slightly below eye level. Therefore position the unit so the display is at nose level. For multiple users of varying heights, an optimum shower height must be arrived at.

Pressure relief safety device: A pressure relief device (PRD) is designed into the shower unit which complies with European standards. The PRD provides a level of appliance protection should an excessive build up of pressure occur within the shower. DO NOT operate the shower with a damaged or kinked shower hose, or a blocked showerhead which can cause the PRD to operate. When commissioning, the showerhead must be removed from the flexible hose, while at the same time the temperature control must be at the minimum flow position. Failure to follow this procedure may also cause the PRD to operate. Make sure the shower is positioned over a bath or shower tray because if the PRD operates, then water will eject from the bottom of the unit. Should this happen, turn off the electricity and water supplies to the shower at the isolating switch and stopvalve. Contact Customer Service for advice on replacing the PRD.

WARNING! The shower must not be positioned where it will be subjected to freezing conditions.

IMPORTANT: The unit must be mounted on a flat surface which covers the full width and length of the backplate. It is important that the wall surface is flat otherwise difficulty may be encountered when fitting the cover and subsequent operation of the unit may be impaired.



WATER REQUIREMENTS

The installation must be in accordance with Water Regulations/Byelaws. To guarantee activation of the heating elements, the shower must be connected to a mains water supply with a minimum running pressure of 100kPa (1.0 bar) at a minimum flow rate of nine litres per minute with a maximum static pressure of 1 000kPa (10 bar).

Note: For the 10.5kW rated shower, the minimum running pressure must be 150kPa (1.5 bar) at a minimum flow rate of eleven litres per minute with a maximum static pressure of 1 000kPa (10 bar). If the stated flow rates are not available, it may not be possible to achieve ideal performance from the unit throughout the year. For guidance on the running and static pressures contact the local Water Authority or consult a competent plumber. Under site conditions where the power supply is below 220 volts and the mains water pressure is above 5 bar, it is recommended to fit a pressure reducing valve set at 3.5 bar. A typical system layout is shown in **Fig.2**.

DO NOT use jointing compounds on any pipe fittings for the installation.

WARNING! If planning to use a silicon seal around the backplate edge, do not place sealant in the area of the PRD exit channel.

APPROVALS

Products conform to EU New Approach Directives i.e Low Voltage directive and EMC directive.

TOPAZ T100si PART NUMBER	DESCRIPTION	P07710904	Pressure switch microswitch & wires
7073034	PCB - power 8.5 & 9.5kW	83307120	Pressure switch & 'O' ring
7073169	PCB - power 10.5kW	507711000	Outlet pipe assembly
7023005	Copper bus bar	83307160	Cover assembly - c/w control PCB, start/stop PCB, knobs & buttons
507710900	Terminal block & outlet pipe assembly	83307150	Wire set - 2 x earth & 1 x solenoid wires
22009230	Terminal block	7052991	Power PCB carrier
83307080	Heater can assembly	7063046	Rubber microswitch cover
83307090	8.5kW	7053009	Inlet filter
83307100	9.5kW	TSTZFSEA	Coloured fascias
22010400	10.5kW	TSTZFAQU	Seaspray
22010310	Restrictor	TSTZFAZU	Aqua
22010410	8.5kW	TSTZFAZU	Azure
83307110	9.5kW	TSTZFLIL	Lilac
82800450	Solenoid valve assembly & 'O' ring	TSTZFMID	Lilac
7052989	Pressure relief device	TSTZFCHR	Midnight
7053008	Trimplate		Chrome
7053008	Can brace		
83307130	Thermostatic valve & 'O' rings x 4		
22010260	Connecting tube		
83307140	Scale trap cover c/w 'O' rings & screw		
22010300	Display thermistor		

RISER RAIL PART NUMBER	DESCRIPTION
22010480	Trims (pair)
22010490	Riser rail & holder
22010500	Soap dish
28100100	1.25m flexi hose - all-white

SPRAYHEAD PART NUMBER	DESCRIPTION
22010980	Sprayhead



SHOWERS

A MORCROS Company

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