

**Salamander Pumps**

Quality | Technology | Service | Value



# CT RANGE

OF SHOWER AND BATHROOM PUMPS



Made in  
**BRITAIN**



Making  
**water**  
perform

**NOW  
AVAILABLE**

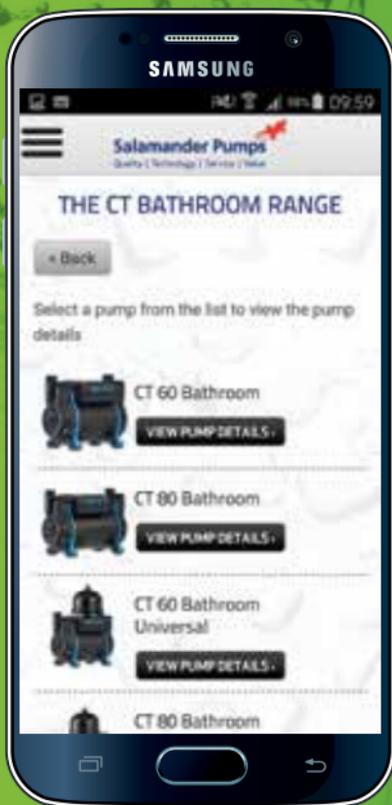
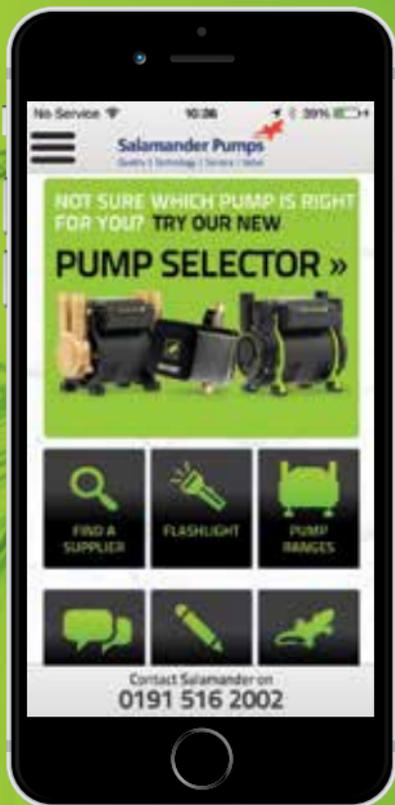
# Salamander Pumps

Quality | Technology | Service | Value



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# OUR FAMILY

## QUALITY

Achievement of ISO9000 compliance reflects our commitment to delivering high quality in all facets of our business. All of our pumps are tested to ensure they are leak free and in full working order before leaving the factory.

## TECH<sub>2</sub>OLOGY

Salamander have applied innovative and patented technologies throughout the CT range of shower pumps. The application of these technologies, identified and explained by the Tech<sub>2</sub>ology logos and icons, has resulted in very compact pumps with exceptional quietness, impressive performance and improved efficiency.

## SERVICE

We have a technical desk that is highly responsive to all of our customer needs. Our service provision is second to none in our sector, and continues to be a major focus for Salamander Pumps.

## VALUE

Our competitive pricing has helped drive our accelerated sales growth over the last decade, delivering Salamander to its position as one of the leading shower pump manufacturers in the UK today. We believe our pumps deliver outstanding value for money.

## CT FORCE

The high-quality and robust brass shower pump range from Salamander is available as twin or single ended, positive head or universal models. Solid brass impellers and pump bodies underpin the reliability, quality and performance of this range of pumps.



## CT BATHROOM

With crossover technology allowing for individual outlet operation, a universal option for negative head installations and reduced noise CT Bathroom is the pump of choice for all bathroom applications.



## CT Xtra

The CT Xtra range raises the bar for all other 'entry level' shower pumps to follow. This range of single and twin ended shower pumps will quietly and efficiently boost hot and cold water supplies.



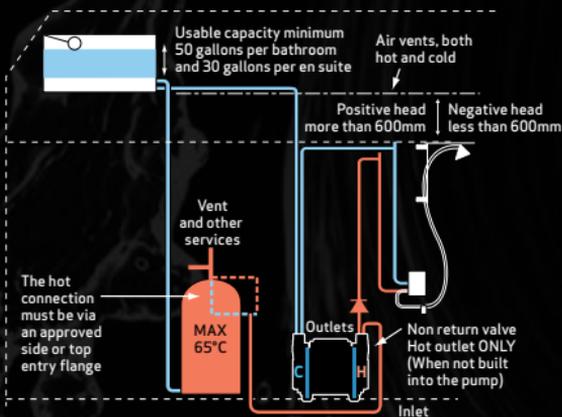
# SHOWER PUMPS EXPLAINED

## POSITIVE HEAD SYSTEMS (GRAVITY-FED)

Several different plumbing systems are used in UK homes, the most common of which is a gravity-fed system detailed in the schematic diagram. In these types of systems there is usually a cold water cistern in the loft with a hot water tank below it, probably in an airing cupboard. If your shower is not forceful enough due to insufficient water pressure, this can be easily boosted by the installation of a pump.

The diagram shows where the pump should be situated for gravity-fed systems.

Positive head system (Gravity-fed)



### Negative head

When the distance between the cold water storage cistern and the shower head is 600 mm or less, or when the natural flow is poor or less than 2 litres per minute of combined hot and cold it is possible a negative head pump may be required.

## NEGATIVE HEAD SYSTEMS (GRAVITY-FED)

Negative head systems are where poor natural flow of water goes to the shower head because it is above the height of the base of the cold water tank or there is limited height between the base of the cold water tank and the shower head. Most instances of negative head systems occur in loft conversions or where the cold water tank sits on the joists in the loft.

## CONTINUOUS RATING

Continuous rating determines how long the pump can run for before the motor begins to overheat. For family showering, pumps can run for a long time, particularly in the morning. All of the CT Range are continuously rated.

## TWIN IMPELLER

Twin impeller pumps pump both hot and cold water supplies, one impeller on the cold inlet and one impeller on the hot inlet.

Each impeller on the pump then goes on to supply the outlet, which is commonly a shower valve.

## SINGLE IMPELLER

Single impeller pumps simply take one inlet, and that can be cold or hot water, or blended water after a shower or mixing valve.

Typically single impeller pumps can be used to supply single hot or cold taps, electric showers, combination boilers and washing machines.

Electric showers and combination boilers need to be fed via a header tank.

## CROSSOVER

Crossover is a uniquely designed bypass tube found in bathroom and whole house pumps. This diverts water from the closed head chamber and stops over expansion of the closed end of a twin pump when either the hot or cold water is running on its own.

## WARRANTIES

The CT Xtra and the CT Bathroom ranges come with a 2 year warranty which can be extended to 3 years if the pump is registered by phone immediately after installation. The CT Force range comes with a 5 year warranty.



# TECH<sub>2</sub>LOGY INSIDE

## THE INTELLIGENCE WITHIN **SALAMANDER PUMPS**

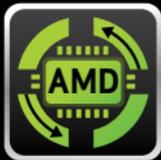
At Salamander Pumps we are constantly looking for ways of improving our pumps and over the last few years we have introduced some clever technology in our new pumps.



### **CROSSOVER**

Crossover is a uniquely designed bypass tube found in bathroom and whole house pumps. This diverts water from the closed head chamber and stops over expansion of the closed end of a twin pump when either the hot or cold water is running on its own.

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### **ADVANCED MOTOR DRIVE**

Advanced Motor Drive refers to the electronics within the pumps. These systems are complex, however in the main the Advanced Motor Drive is the 'computer' part of the system that controls the spinning of the rotor. Using feedback from components within the pump the AMD fires the correct coils at the right time. This control can have a big influence on the performance of the motor, its efficiency and noise output.

---



### **BRUSHLESS MOTOR**

Brushless technology allows for variable control of the output speed and therefore intelligently uses the correct amount of electricity that is required to drive the pump for a given performance. Brushless technology has tighter tolerances and NO contacting parts therefore reducing friction and noise. The physical size of the motor is also vastly reduced due the higher electricity to rotary power output. Brushless Motor technology is also low maintenance, saving on call out and servicing.

---



## DYNAMIC PUMP CONTROL

This is bespoke intelligent electronics that monitor external influences (pressure/flow) and converts the information into a language that runs the motor at a given speed. This makes the pump more energy efficient, responsive and longer lasting.

---



## DYNAMIC RESPONSE SYSTEM

Dynamic Response System is how the pump reacts to varying flow/pressure. If the pressure increases, DRS sends a digital message to slow the motor speed, alternatively if the pressure decreases, the motor receives a message through DRS to compensate.

---



## INTERROGAIT

Usage of the pump is recorded by the internal electronics giving us information that we can use to carry out diagnostics and read performance characteristics from the product. This information can help us further improve the performance of our pumps.

---



## NOISE VIBRATION REDUCTION

Improvements to the materials used, the way the pump is constructed and the design of the vibration dampening feet have all contributed to the vibration and noise of our pumps.

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## SOLID STATE SWITCHING

Salamander Pumps have developed a pump activation system that is reliable and robust. Where many other shower pump designs rely upon moving parts to activate their pumps, the new Solid State Switching (S<sup>3</sup>) from Salamander uses an electronic switch that has no moving parts, thus improving reliability, sensitivity, and product life.

---

5 YEAR  
GUARANTEE

# CT FORCE



The new high-quality and robust BRASS shower pump range from Salamander is available as twin or single ended, positive head or universal models. The **CT FORCE** range is your ideal partner in boosting hot and / or cold supplies to thermostatic or manual mixer valves, supplying a wide range of shower types and shower heads, individual taps, cisterns and other appliances, and whole house boosting applications.

- ✓ **Crossover** technology
- ✓ **More** compact in size - easy to fit in tight spaces.
- ✓ **Impressively** quiet
- ✓ **Latest** **TECH<sup>2</sup> TECHNOLOGY** INSIDE

SCAN ME



VISIT THE  
WEBSITE  
FOR MORE  
INFORMATION

# THE BENEFITS:

With their efficient water way design, solid brass impellers, robust brass pump bodies, and reduced noise generation, these pumps exude reliability, quality and performance. The integrated bypass and pressure vessel further underlines the ruggedness of the universal models, whilst the compact overall dimension makes installation a dream in tight spaces.

## VERY QUIET

exceptionally quiet performance

## CONSTANTLY RATED MOTOR

run the pump for as long as you like!

## COMPACT SIZE

smallest shower pump, biggest performance - fits in tight spaces

Delivers

## MORE

pressure & flow than the old FORCE range

## NEW

'laminar flow' float switch for accurate switch on

## SOLID BRASS

end caps / impellers for extra robustness



MODEL SHOWN:  
**CT FORCE 20TU**



# CT FORCE RANGE:



## CT FORCE 15 PT

1.5 bar twin brass ended positive head shower pump



## CT FORCE 20 PT

2.0 bar twin brass ended positive head shower pump



## CT FORCE 30 PT

3.0 bar twin brass ended positive head shower pump



## CT FORCE 15 TU

1.5 bar twin brass ended positive and negative head universal shower pump



## CT FORCE 20 TU

2.0 bar twin brass ended positive and negative head universal shower pump



## CT FORCE 30 TU

3.0 bar twin brass ended positive and negative head universal shower pump





### CT FORCE 20 PS

2.0 bar single brass ended positive head shower pump



### CT FORCE 30 PS

3.0 bar single brass ended positive head shower pump.



### CT FORCE 20 SU

2.0 bar single brass ended positive and negative head universal shower pump

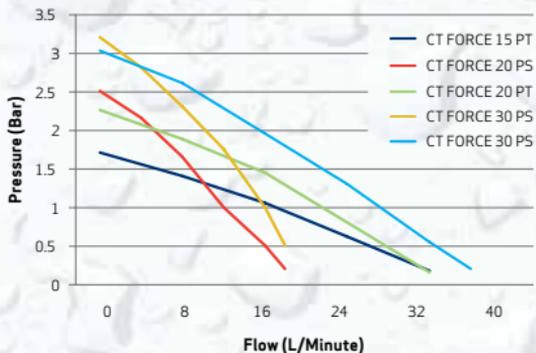


### CT FORCE 30 SU

3.0 bar single brass ended positive and negative head universal shower pump



## CT FORCE FLOW CURVES:



# CT BATHROOM



The new **CT Bathroom** range, with increased pressure performance and additional features, has been specifically engineered to meet the increased demands for water supply within your en-suite, bathroom or utility room. With their advanced design features, this new range of single and twin ended pumps will quietly and efficiently boost the hot or cold water supplies to showers, baths, basins and toilets. They are suitable across a wide range of shower types and heads, single and mixer taps and will refill your toilet cistern in double quick time.

- ✔ **More** compact in size - easy to fit in tight spaces.
- ✔ **Impressively** quiet
- ✔ **Crossover** technology
- ✔ **3 year** warranty\*

SCAN ME



VISIT THE  
WEBSITE  
FOR MORE  
INFORMATION

# THE BENEFITS:

With CROSSOVER technology inside allowing for individual outlet operation, a universal option for negative head installations, reduced noise emanations from the efficiently designed waterway and impellor, providing pressure up to 2.6 bar, and compact dimensions, CT Bathroom is the pump of choice for all bathroom applications.

## CROSSOVER TECHNOLOGY

- integrate bypass allowing for individual outlet operation



## QUIET

exceptionally quiet performance

## COMPACT SIZE

smallest shower pump, biggest performance - fits in tight spaces



MODEL SHOWN:  
**CT60 BATHROOM**

## CONSTANTLY RATED MOTOR

run the pump for as long as you like!



# CT BATHROOM RANGE:



## CT60 BATHROOM TWIN

1.8 bar twin impellor positive head bathroom pump



## CT80 BATHROOM TWIN

2.6 bar twin impellor positive head bathroom pump



## CT60 BATHROOM UNIVERSAL TWIN

1.8 bar twin impellor universal bathroom pump



## CT80 BATHROOM UNIVERSAL TWIN

2.6 bar twin impellor universal bathroom pump

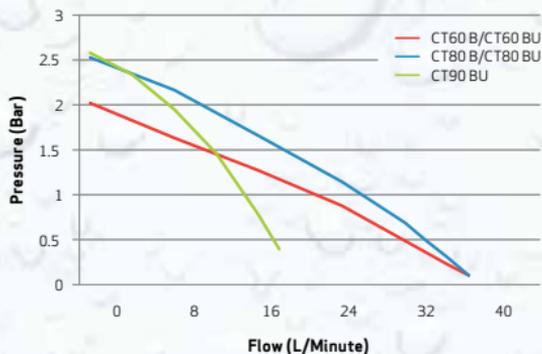


## CT90 BATHROOM UNIVERSAL SINGLE

2.6 bar single impellor universal bathroom pump.



## CT BATHROOM FLOW CURVES:



\*2-year warranty can be extended to 3 years when PumpWise is contacted following installation and installation is confirmed as correct.

## CT BATHROOM APPLICATIONS:



# CT Xtra



**CT Xtra** is Salamander's biggest selling range of shower pumps.

Compact in size, quiet in operation and packed full of patented technology, this pump provides great value for money.

Available in both twin and single impeller versions this a great entry level pump.

- ✓ **More** pressure & flow
- ✓ **Compact** in size -easy to fit in tight spaces.
- ✓ **Impressively** quiet
- ✓ **Latest** **TECH<sub>2</sub> OLOGY** INSIDE

SCAN ME



VISIT THE  
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FOR MORE  
INFORMATION

# THE BENEFITS:

The reduced noise operation emanates from the integration of an efficiently designed water way and impeller. Other improvements in the design have led to a greater flow and pressure performance, whilst the compact overall dimensions make installation a dream in tight spaces.

## VERY QUIET

exceptionally quiet performance

## NEW

'laminar flow' float switch for accurate switch on

## COMPACT SIZE

smallest shower pump, biggest performance - fits in tight spaces



Delivers

## MORE

pressure & flow than the old CT range

MODEL SHOWN:  
**CT50 Xtra**

## CONSTANTLY RATED MOTOR

run the pump for as long as you like!



# CT Xtra RANGE:



## CT50 Xtra

1.5 bar twin ended positive head shower pump

+ version includes isolators



## CT55 Xtra

1.5 bar single ended positive head shower pump

+ version includes isolators



## CT75 Xtra

2.0 bar twin ended positive head shower pump

+ version includes isolators



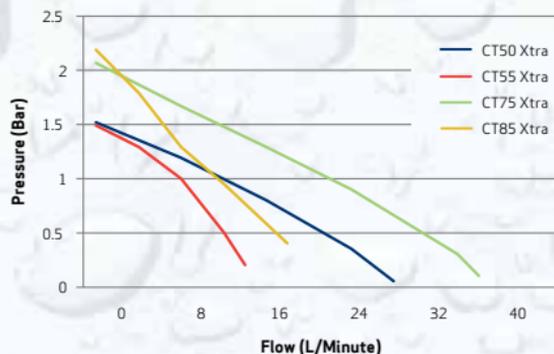
## CT85 Xtra

2.1 bar single ended positive head shower pump

+ version includes isolators



## CT Xtra FLOW CURVES:



# WHAT MAKES THE CT Xtra RANGE THE BEST CHOICE FOR INSTALLERS ACROSS THE UK?

SALAMANDER'S  
**BIGGEST  
SELLING**

RANGE OF SHOWER PUMPS

**CONTINUOUSLY RATED**

SMALL AND  
**COMPACT**  
MAKING IT  
**EASY TO FIT IN  
TIGHT SPACES**

VALUE FOR  
**MONEY**

AN ENTRY LEVEL PUMP

**PACKED WITH  
CLEVER FEATURES**

**READILY AVAILABLE**  
EXTENSIVELY STOCKED  
**AROUND THE UK**

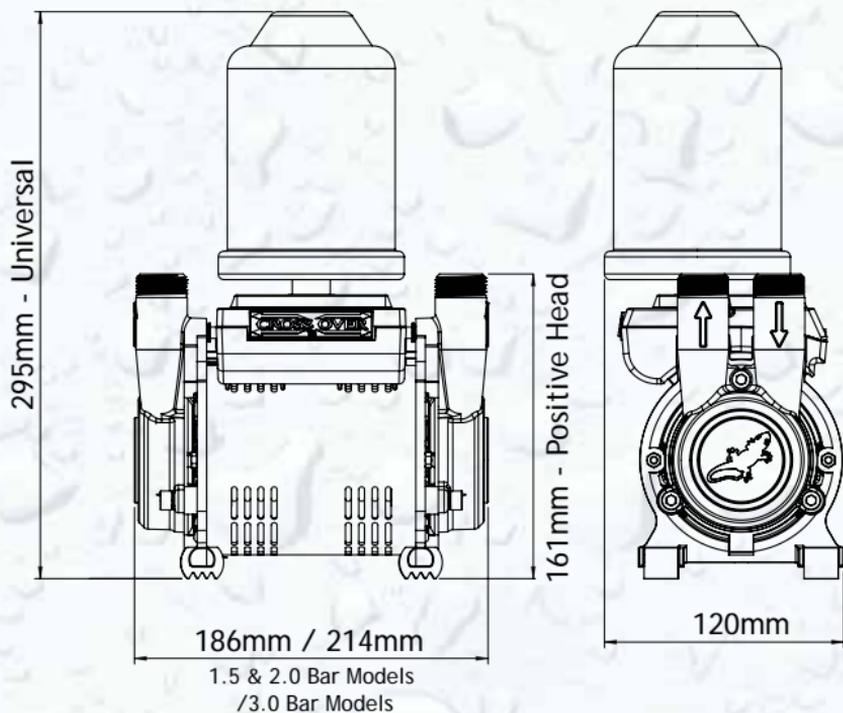
**TECH<sub>2</sub>LOGY**  
I N S I D E  
**PATENTED**  
PRODUCT FEATURES

**RELIABLE**  
**EACH PUMP TESTED**  
BEFORE IT LEAVES  
THE FACTORY

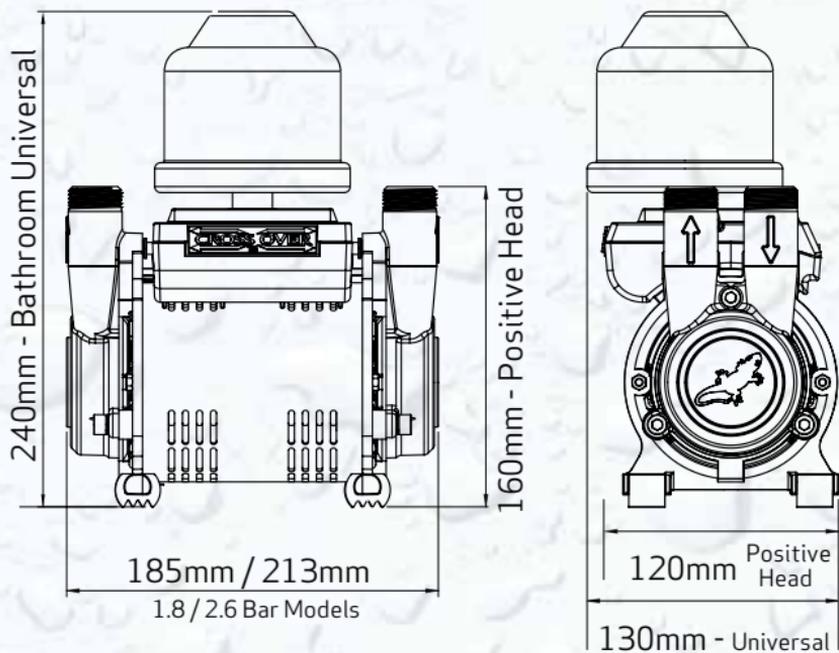
**Q U I E T**  
**PERFORMANCE**

# PUMP DIMENSIONS

CT **Xtra** & CT **FORCE**:



## CT BATHROOM:



# PUMP SELECTOR

## 1.5 - 1.8 Bar IDEAL FOR 1 SHOWER OR 1 OUTLET

	Performance		Application					Motor
	Bar Rating Closed Head	Bar Rating @ 8 Ltr/min	Shower Only	Whole House	Positive Head	Universal/ Negative Head	Individual Taps /Outlets	Continuously Rated Induction Motor
CT50 Xtra	1.5	1.4	●		●			●
CT55 Xtra	1.5	1.4			●		●	●
CT50 + Xtra	1.5	1.4	●		●			●
CT55 + Xtra	1.5	1.4			●		●	●
CTFORCE 15 PT	1.5	1.3	●	●	●			●
CTFORCE 15 TU	1.5	1.3	●	●		●	●	●
CT60 BATHROOM	1.8	1.5	●	●	●		●	●
CT60 BATHROOM U	1.5	1.3	●	●		●	●	●

## 2.0 - 2.5 Bar IDEAL FOR 1 SHOWER + 1 OUTLET

CT75 Xtra	2.0	1.7	●		●			●
CT85 Xtra	2.2	1.3			●		●	●
CT75 + Xtra	2.0	1.7	●		●			●
CT85 + Xtra	2.2	1.3	●		●		●	●
CTFORCE 20 PT	2.0	1.7	●	●	●			●
CTFORCE 20 PS	2.0	1.7		●	●		●	●
CTFORCE 20 TU	2.0	1.7	●	●		●	●	●
CTFORCE 20 SU	2.0	1.7	●	●		●	●	●

Specification			Configuration	Connection Size / Type				List Price £ (ex Vat)			
Impeller		Seal		Pump	Hose		Isolators				
Composite	Brass	Carbon			Pushfit (mm)	Diameter	Inlet		Outlet		
●		●	Twin	G3/4 (m)	15	15mm			£167.12		
●		●	Single								£158.11
●		●	Twin					●			£189.78
●		●	Single					●			£168.66
	●	●	Twin		22		●	●			£375.00
	●	●	Twin				●	●			£515.00
●		●	Twin		15			●	●		£210.00
●		●	Twin					●	●		

●		●	Twin	G3/4 (m)		15mm			£221.71		
●		●	Single								£232.27
●		●	Twin					●			£196.22
●		●	Single					●			£209.09
	●	●	Twin		22mm		●	●			£395.00
	●	●	Single				●	●			£275.00
	●	●	Twin				●	●			£545.00
	●	●	Single				●	●			£385.00

# PUMP SELECTOR

**2.6 - 3.0 Bar**  
**IDEAL FOR 2**  
**SHOWERS +**  
**2 OUTLETS**

	Performance		Application					Motor
	Bar Rating Closed Head	Bar Rating @ 8 Ltr/min	Shower Only	Whole House	Positive Head	Universal/ Negative Head	Individual Taps / Outlets	Continuously Rated Induction Motor
CT80 BATHROOM	2.6	2.4	●	●		●	●	●
CT80 BATHROOM U	2.6	2.4	●	●		●	●	●
CT90 BATHROOM U	2.6	2.4	●	●		●	●	●
CTFORCE 30PT	3.0	2.5	●	●	●			●
CTFORCE 30PS	3.0	2.5	●	●	●		●	●
CTFORCE 30TU	3.0	2.5	●	●		●	●	●
CTFORCE 30SU	3.0	2.5	●	●		●	●	●



Specification			Configuration	Connection Size / Type				List Price £ (ex Vat)	
Impeller		Seal		Pump	Hose		Isolators		
Composite	Brass	Carbon		G3/4 (m)	Pushfit	Diameter	Inlet		Outlet
●		●	Twin		22mm	15mm	●	●	£255.00
●		●	Twin				●	●	£510.00
●		●	Single				●	●	£360.00
	●	●	Twin				●	●	£450.00
	●	●	Single				●	●	£285.00
	●	●	Twin				●	●	£595.00
	●	●	Single				●	●	£395.00

For further technical & installation guides for all pumps in the CT Range, please visit [www.salamanderpumps.co.uk/downloads](http://www.salamanderpumps.co.uk/downloads)

or scan the QR code on the right using a smartphone and QR code reader app.



# Salamander Pumps

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