

## 90XL

The temperature control unit for water up to 90 °C

- Control system RT200 or RT100
- Pump with high flow rate: 200 l/min
- High heating capacity up to 60 kW
- Direct cooling



Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
			80 °C	160 kW			
Water	90 °C	20 / 40 / 60 kW			CR 5-3	140 l/min	0.55 kW
					CR5-8	140 l/min	1.1 kW
					CR10-4	200 l/min	1.5 kW
					CR 10-8	200 l/min	3.0 kW

Technical data					
<b>Outlet temperature</b>					
max.	°C	90			
<b>Heat transfer medium</b>					
Filling quantity	l	36.5			
Expansion volume	l	5.5			
<b>Heating capacity at 400V</b>					
	kW	20 / 40 / 60			
<b>Cooling capacity</b>					
Cooler		DK			
at outlet temperature	°C	80			
at cooling water temperature	°C	20			
<b>Pump capacity/Type</b>					
		CR 5-3	CR5-8	CR10-4	CR 10-8
Flow rate max.	l/min	140	140	200	200
Power consumption	kW	0.55	1.1	1.5	3.0
Pressure max.	bar	2.0	5.4	4.4	8.7
<b>Control system</b>					
Measuring mode (Standard)		RT100 Pt100			
<b>Operating voltage</b>					
	V/Hz	200-600 V, 50/60 Hz			
<b>Connections</b>					
Outlet/Inlet		G1 1/2"IG			
Cooling water mains		G3/4"			
<b>Degree of protection</b>					
		IP54			
<b>Dimensions W/H/D</b>					
	mm	436/1357/1387			
<b>Weight</b>					
	kg	229-275			
<b>Color</b>					
	RAL	9006/7016			
<b>Ambient temperature</b>					
max.	°C	40			
<b>Noise level</b>					
	db (A)	< 70			

## Standard equipment

Manual shut-off valve in the inlet and outlet  
Filter in the cooling water circuit  
Water circuit of non-rusting materials  
Automatic water refill  
Solid-state relay (SSR) instead of heating contactor  
Unit in IP54 protection degree  
Direct cooling (DK)

## Options

Electronic flow measurement  
Leak-free pump