P161XL

Pressurised-water temperature control unit up to 160 °C

- Control system RT200
- Pump with high flow rate: 200 l/min
- Low-scaling cooling system "SK"
- Pressure control
- Solid-state relay instead of heating contactor



Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
Water	160 °C	20 / 40 / 60 kW	150 °C	135 kW	SM85 PM85	200 l/min 150 l/min	3.5 kW 5.3 kW

Technical data

Outlet temperature			
max.	°C	160	
Heat transfer medium		Water	
Filling quantity	l	10	
Expansion volume	l	5.0	
Heating capacity at 400V	kW	20 / 40 / 60	
Cooling capacity	kW	135	
Cooler		SK	
at outlet temperature	°C	150	
at cooling water temperature	°C	20	
Pump capacity/Type		SM85	PM85
Flow rate max.	l/min	200	150
Power consumption	kW	3.5	5.3
Pressure max.	bar	8.0	8.5
Control system		RT100 / RT200	
Measuring mode (standard)		Pt100	
Operating voltage	V/Hz	200-600 V, 50/60 Hz	
Connections			
Outlet/Inlet		G1 1/2"IG	
Cooling water mains		G3/4"	
Degree of protection		IP54	
Dimensions W/H/D	mm	432/1350/1554	
Weight	kg	265	
Color	RAL	9006/7016	
Ambient temperature			
max.	°C	40	
Noise level	db (A)	< 70	

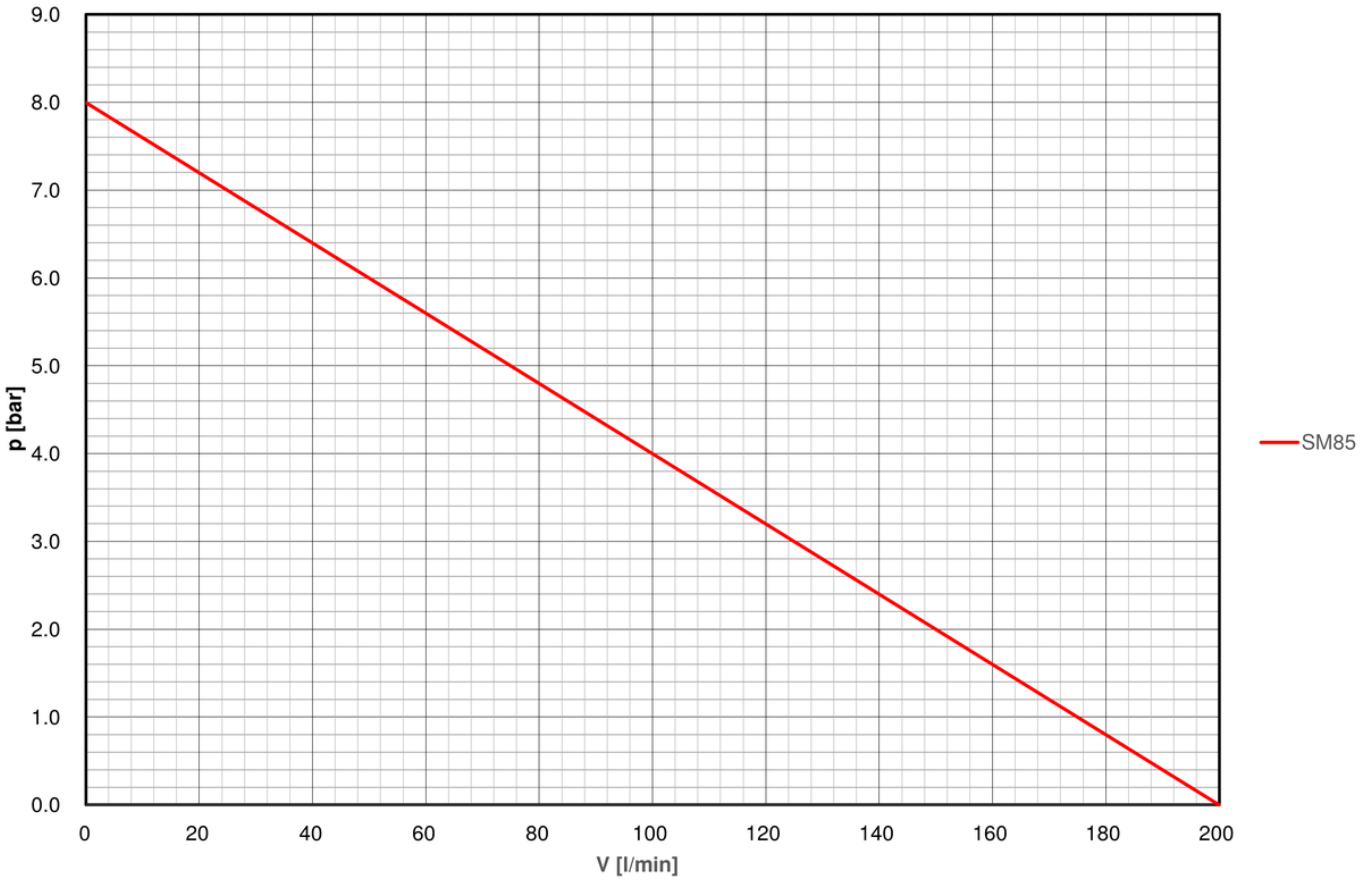
Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Hand valve in inlet and outlet
- Water circuit of non-rusting materials
- Automatic water refill
- Filter in the main circuit
- Filter in cooling water circuit
- Leak-free pump
- Patented low-scale cooling system (SK)
- Pressure gauge outlet
- Pressure gauge for system pressure
- Unit in IP54 protection degree
- RT200 control system

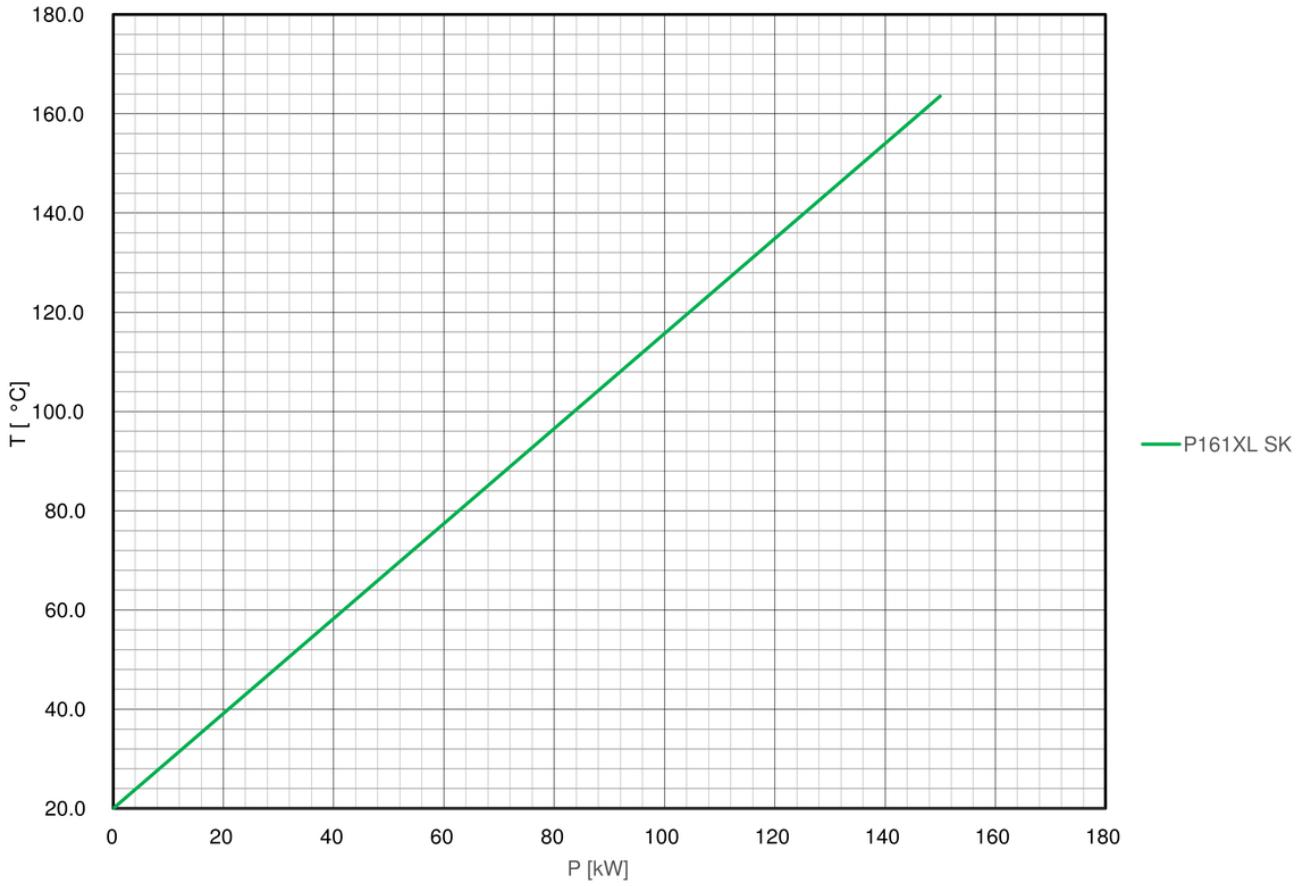
Options

- Electronic flow measurement
- Pump PM85 only with frequency converter
- RT100 control system

Pump curve


9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
p [bar]
0
20
40
60
80
100
120
140
160
180
200
V [l/min]
SM85

Cooling curve



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