

# 300LD

The dual-zone temperature control unit for thermal oil up to 300 °C

- Control system RT200 or RT100
- High heating capacity max. 80 kW (2 x 40 kW)
- Pump with high flow rate: 90 l/min per circle
- Leak-free pump with magnetic coupling
- Solid-state relay instead of heating contactor



## Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity	Pump capacity/Type
Oil	300 °C	10 / 17.5 / 20 / 30 / 40 kW	280 °C   160 kW	FM65   90 l/min   2.8 kW

**Technical data**

<b>Outlet temperature</b>		
max.	°C	300
<b>Heat transfer medium</b>		Oil
Filling quantity	l	24.0
Expansion volume	l	20.0
<b>Heating capacity at 400V</b>	kW	10 / 17.5 / 20 / 30 / 40
<b>Cooling capacity</b>	kW	160
Cooler		1K
at outlet temperature	°C	280
at cooling water temperature	°C	20
<b>Pump capacity/Type</b>		FM65
Flow rate max.	l/min	90
Power consumption	kW	2.8
Pressure max.	bar	9.5
<b>Control system</b>		RT100 / RT200
Measuring mode (standard)		Pt100
<b>Operating voltage</b>	V/Hz	200-600 V, 50/60 Hz
<b>Connections</b>		
Outlet/Inlet		G3/4" IG
Cooling water mains		G3/4"
<b>Degree of protection</b>		IP54
<b>Dimensions W/H/D</b>	mm	542/1351/1474
<b>Weight</b>	kg	365
<b>Color</b>	RAL	9006/7016
<b>Ambient temperature</b>		
max.	°C	40
<b>Noise level</b>	db (A)	< 70

## Standard equipment

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- RT100 control system
- Solid-state relay (SSR) instead of heating contactor
- Unit in IP54 protection degree
- Second level
- Leak-free pump
- Filter in the main circuit
- Filter in cooling water circuit
- Water circuit of non-rusting materials
- Pressure gauge outlet
- Pressure gauge inlet

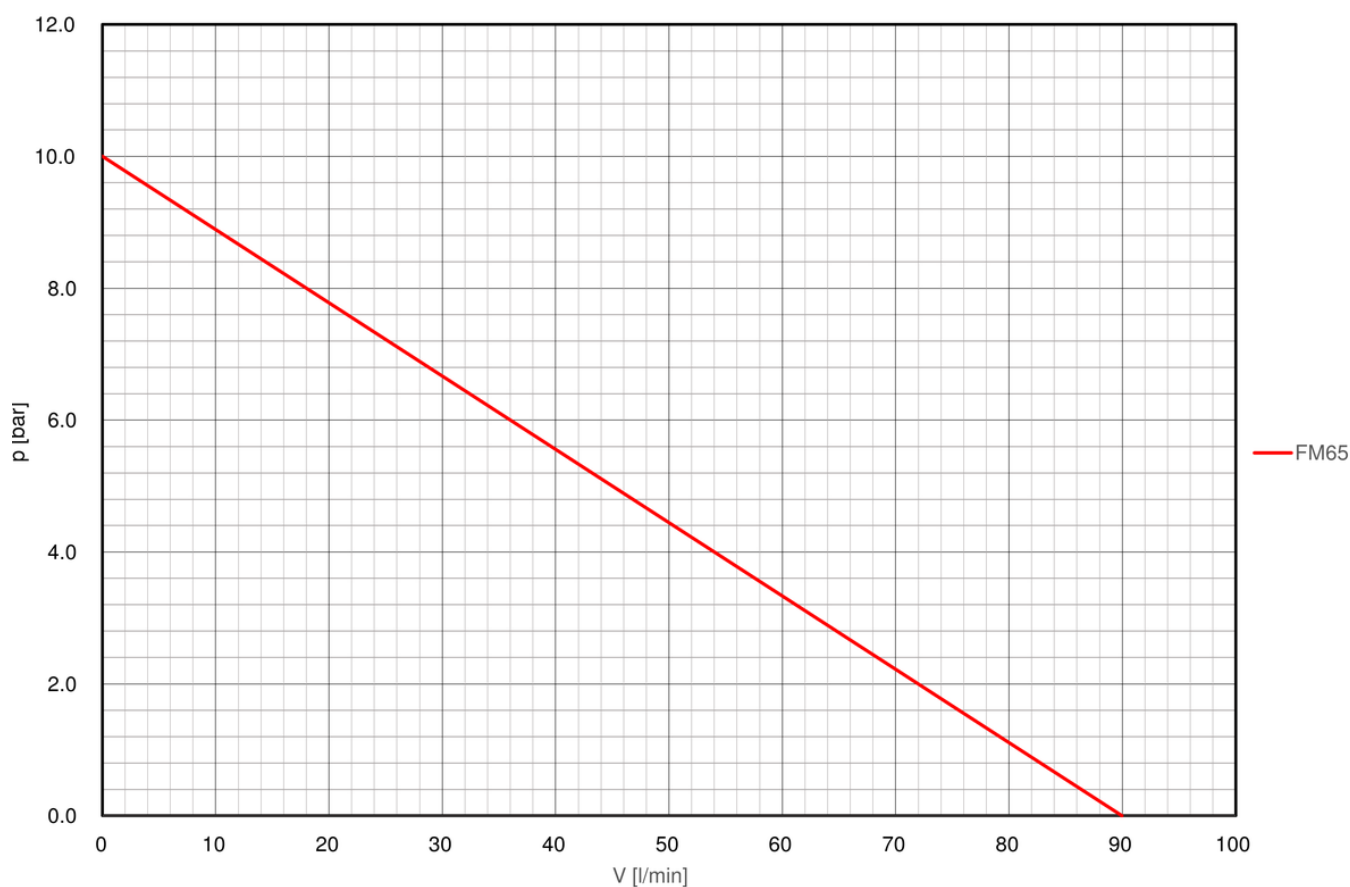
## Options

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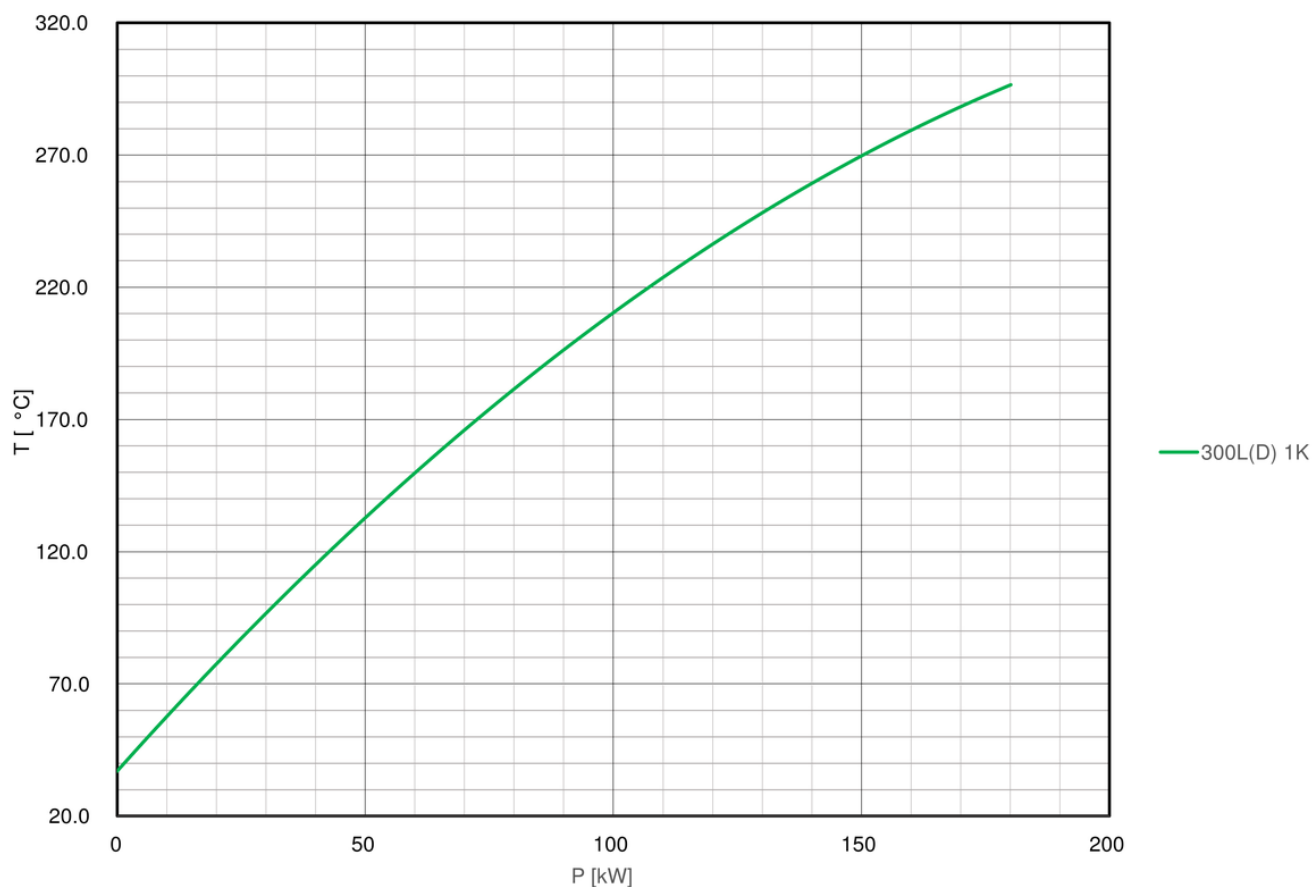
- Cooler with bypass circuit
- Electronic flow measurement
- Optional with second RT100 control system
- Optional with RT200 control system

## Pump curve

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**Cooling curve**



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