

300LD

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

- Control system RT200
- 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

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

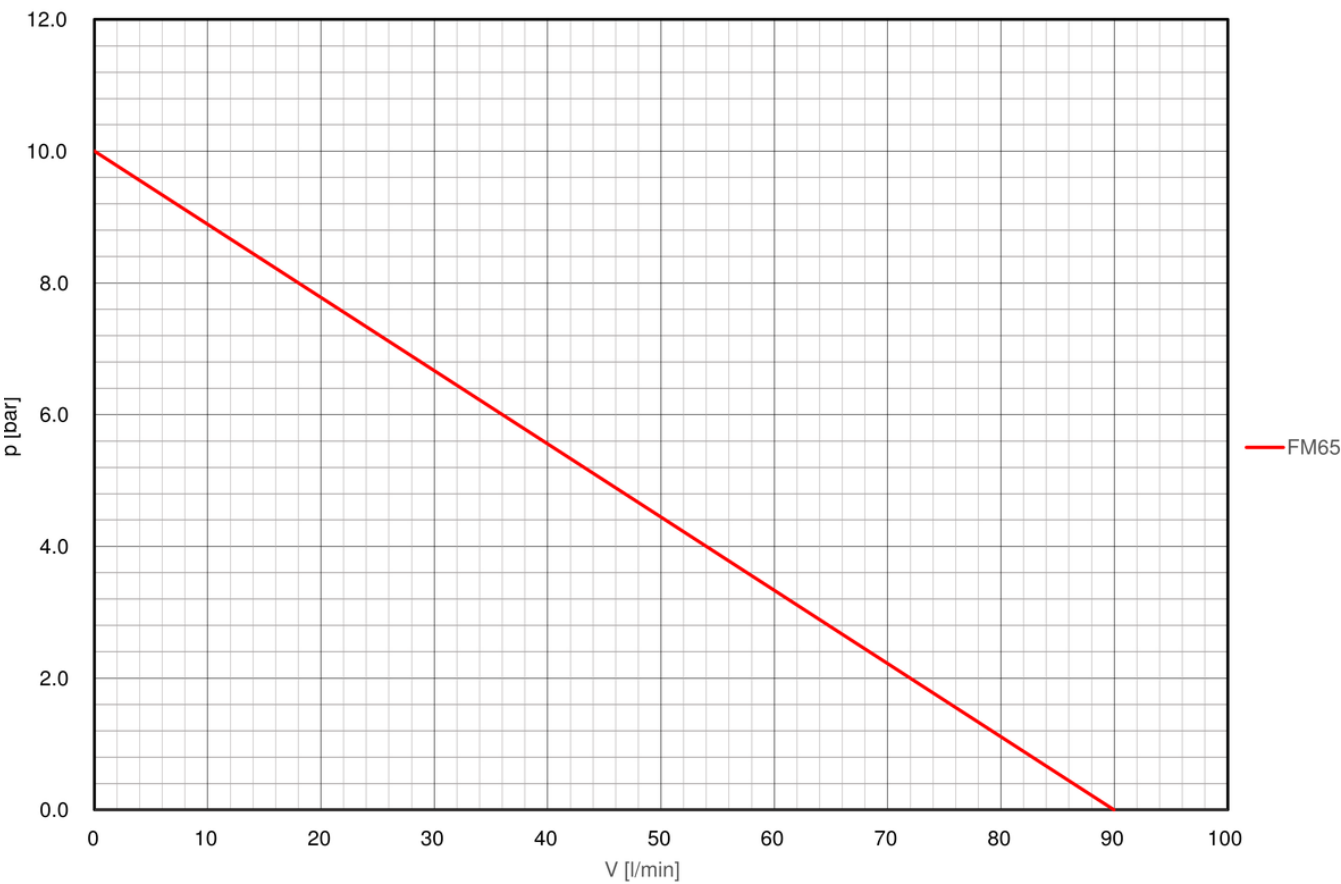
Standard equipment

- 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
- RT200 control system

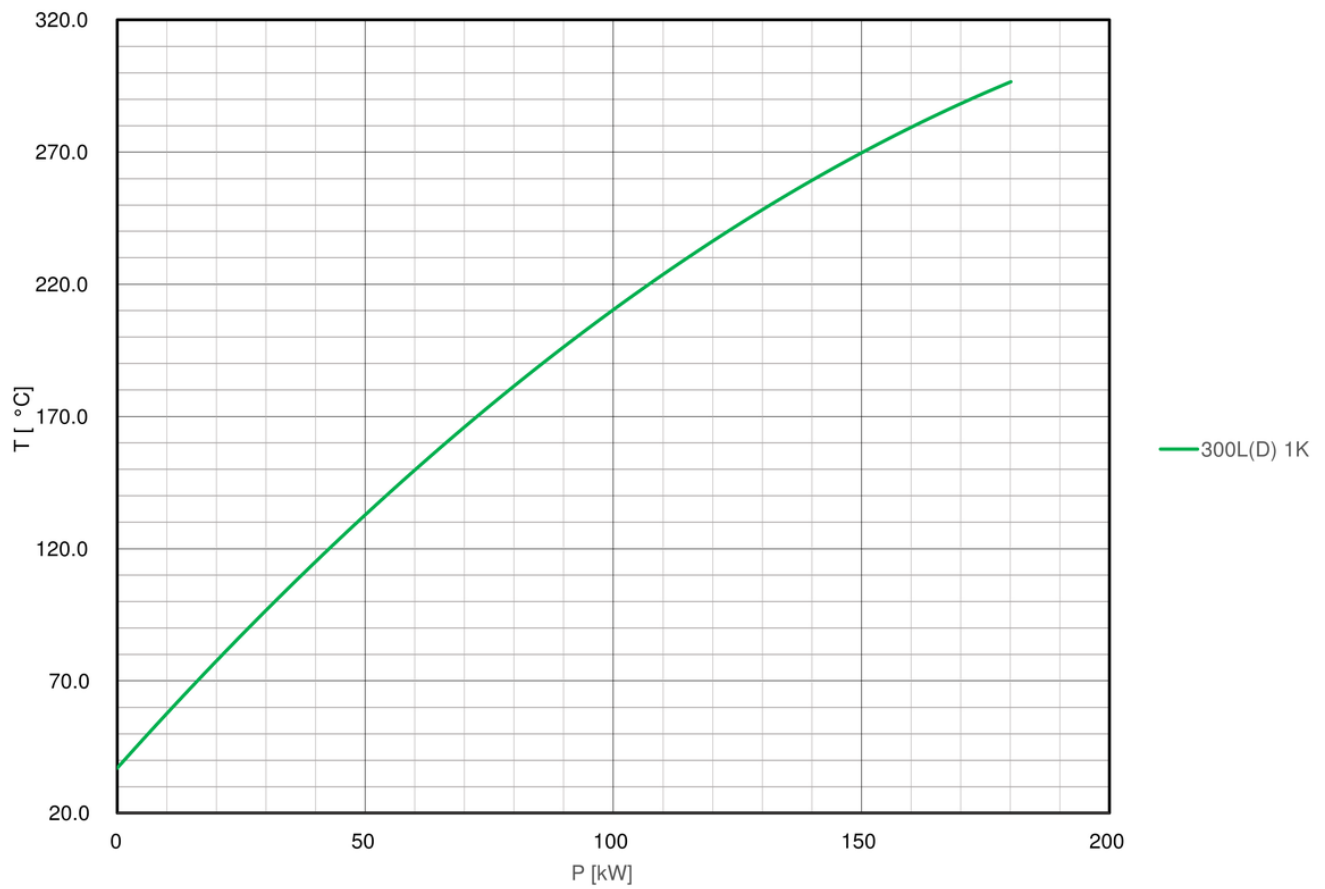
Options

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

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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