

PRODUCT DATA SHEET

Integral IN 750 XT

The new generation of the successful Integral XT process thermostats for professional temperature control in the temperature range from -90 to 320 °C: The powerful Integral XT process thermostats use the flow principle with cold oil superimposition. It allows users to use a wide temperature range with one temperature control medium. The electronically controlled, magnetically coupled eight-stage LAUDA Variopump allows the optimum thermal connection of the flow rate both for pressure-sensitive consumers and for applications with high hydraulic resistance. The modular interface concept ensures maximum networking of the user processes.



Working temperature min.
-45 °C



Working temperature max.
220 °C

Technical Attributes

Integral IN 750 XT

| | |
|---|----------|
| Working temperature min. | -45 °C |
| Working temperature max. | 220 °C |
| Ambient temperature min. | 5 °C |
| Ambient temperature max. | 40 °C |
| Temperature stability | 0.05 ±K |
| Application | external |
| Filling volume min. | 4.8 L |
| Filling volume max. | 17.2 L |
| Heater power | 8.0 kW |
| Cooling output at 200°C measured with thermal oil | 7.0 kW |
| Cooling output at 100°C measured with thermal oil | 7.0 kW |
| Cooling output at 20°C measured with ethanol | 7.0 kW |
| Cooling output at 10°C measured with ethanol | 7.0 kW |
| Cooling output at 0°C measured with ethanol | 5.4 kW |
| Cooling output at -10°C measured with ethanol | 3.6 kW |

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Geschäftsführer:
Dr. Gunther Wobse (Vors.), Dr. Mario Englert
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobse

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| Technical Attributes | Integral IN 750 XT |
|---|--------------------|
| Cooling output at -20°C measured with ethanol | 2.6 kW |
| Cooling output at -30°C measured with ethanol | 1.6 kW |
| Cooling output at -40°C measured with ethanol | 0.8 kW |
| Power consumption | 12.0 kW |
| Interface(s) | Ethernet, USB |
| Noise level | 66 dB(A) |
| Pump connection thread | M30 x 1,5 |
| Pump pressure max. | 3.1 bar |
| Pump flow max. (pressure) | 65 L/min |
| Dimensions (WxDxH) in mm | 560x550x1325 |

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