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## Lauda® Variocool VC 5000 NRTL 400 V, 3/PE, 50 Hz and 460 V, 3/PE, 60 Hz

**Price on  
request  
plus VAT &  
Shipping**

### Product Images

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## Description

LAUDA Variocool VC 5000 NRTL 400 V; 3/PE; 50 Hz 3/PE; 60 Hz Performance Features: Process thermostat for use with non-flammable temperature control media NRTL certification according to UL 1995:2018, CSA C22.2 no. 236-15 Ed.5th Color TFT display for simultaneous display of actual and setpoint values as well as graphical representation of the temperature curve Menu guidance in plain text, six selectable languages DE, EN, FR, ES, IT, RU Operation via cursor and soft keys SmartCool System for energy-saving digital refrigeration control incl. Compressor automation Fully electronic continuous controller with PID behavior Electronic level indicator and low level alarm USB and Ethernet interface as standard, data export to USB stick Remote display "Fault" via built-in neutral contact Slots for interface modules on the rear of the unit Retrofittable with up to 2 additional interface modules (RS 232/485-, Profibus, analog, contact or EtherCAT module) Can be upgraded with Pt 100/LiBus module for external control and control via Command Touch remote control unit Integrated programmer with max. 150 segments, can be divided into 5 programs Integrated web server for browser-supported operation in local networks via PC, tablet or smartphone, secure transmission through authentication and encryption Powerful pressure pump Adjustable bypass for pressure limitation Digital pump pressure display Filling opening at top, drain cock at rear Temperature control media management with stored material data Operation with non-flammable liquids (water, water/glycol) Condenser cooling air HARTING connector (4-pin) for connection of a power cable Technical data (according to DIN 12876): Operating temperature range: -20 ... 80 °C Ambient temperature range: 5 ... 40 °C Temperature constancy: 0.1 ± K Heating power min.: 7.5 kW Heating power max.: 10 kW Current consumption: 16 A Delivery pressure max. 50 Hz: 5.3 bar Delivery flow max. (pressure) 50 Hz: 56 L/min Delivery pressure max. 60 Hz: 7.3 bar Delivery flow max. (pressure) 60 Hz: 65 L/min In / Outlet connection thread (external): G 3/4 Pressure setting: bypass Charge volume min.: 14 L Charge volume max.: 24 L Refrigerant stage 1: R-449A (GWP 1397); 1,100 kg; 1,5 t CO<sub>2</sub>-eq Protection class: IP 32 Sound pressure level: 70 dB(A) Dimensions (WxDxH): 550 x 650 x 1065 mm Weight: 118 kg Mains supply: 400 V; 3/PE; 50 Hz 3/PE; 60 Hz Mains plug: --- Certification: NRTL according to UL 1995:2018, CSA C22.2 No.236:2015 Cooling capacity: 80 °C; water-glycol; 6.25 kW (50 Hz); 6.15 kW (60 Hz) 20 °C; ethanol; 5 kW (50 Hz); 5.6 kW (60 Hz) 10 °C; ethanol; 3.6 kW (50 Hz); 4 kW (60 Hz) 0 °C; ethanol; 2.35 kW (50 Hz); 2.65 kW (60 Hz) -10 °C; ethanol; 1.3 kW (50 Hz); 1.5 kW (60 Hz) -20 °C; ethanol; 0.5 kW (50 Hz); 0.55 kW (60 Hz) Standard accessories: 2 hose olives 3/4" with 2 union nuts G3/4 for pump connection 1 power cable (HARTING, 4-pin.) without plug, length: 4 meters 1 power plug, IEC 60309, 5-pin, CEE, red, 16 A 1 power plug, NEMA L16-20P T-L 460 V; 20 A

## Additional Information

No.	LA-2554
Manufacturer (Brand)	Lauda
Transport temperature	Room temperature

