# PROCESS OPTIMISATION WITH HOT AIR



# **LE-R AIR HEATERS**



# Generate an air flow

Powerful, tried-andtested blowers generate the airflow required for the application.



## Guide the air

Air ducting systems made of heat-resistant air hoses guide the airflow from the blower to the point of use.



## **Heat the air**

Electrically powered air heaters ensure the air is heated to the required temperature.



# Regulate the temperature

Microprocessor controlled regulators ensure precisely maintained temperatures when hot air is used.



## Apply the hot air

At the point of use, the hot air is accurately fed through special nozzles for use in the respective application.



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# **LE-R AIR HEATERS**



The electrically powered air heaters of the LE-R series can be used universally, e.g. in drying systems, hot air shrink systems, heating cabinets, hot air ducts and preheating systems. The heating elements and housings are made of high-quality stainless steel, which is why they heat dry, moist and mildly aggressive air as well as nitrogen in fresh air or recirculating air operation. The equipment is easy to control and, with its compact dimensions, can be installed with only a small footprint. All versions are designed for continuous operation. The devices are available with an output of 3-18 kW, and special designs are possible. Inlet temperature in recirculating operation is max. 300 °C, outlet temperature is 350 °C. Customized layout pressure-resistant up to 5 bar (LE-D).

#### Base set

- Housing made of stainless steel (1.4301)
- Heating elements made of stainless steel (1.4301)
- Terminal boxes made of powder-coated sheet steel

#### **Optional items:**

- Throttle valves
  Order No. 400190601 [outlet side]
  Order No. 400190605 [inlet side]
- Temperature sensor
  Order No. 40019002, Order No. 40019004
- Mounting brackets Order No. 901100

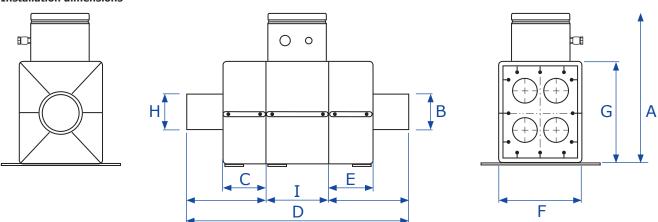
#### **Options**

- Air volume throttle damper on inlet or outlet side
- Outlet flange plate is manufactured according to customer specifications
- Connecting flanges for inlet and outlet are manufactured according to customer specifications
- Mounting brackets
- Nozzles for hot air distribution, special systems on request
- DIN-compliant overtemperature protection relay has an adjustable cut-off temperature
- Temperature sensor Pt 100 C600 on outlet side
- Temperature sensor NiCr-Ni or similar on outlet side
- Air flow monitoring on inlet side by means of differential pressure switch, pressure-wave switch or air flow monitor
- Temperature regulated by means of electronic controllers
- Power electronics: solid-state relay complete with heat sinks





# **Installation dimensions**



Designation (details in mm)	Dimensions	3 - 9 kW thermally insulated	10 - 18 kW thermally insulated
Total height	А	380	380
Diameter of inlet nozzle	В	150 max.	150 max.
Length of outlet nozzle, including funnel	С	200	200
Total length with inlet and outlet nozzles	D	564	728
Length of inlet nozzle, incl. funnel	E	200	200
Width of the housing	F	220	220
Height of the housing	G	260	260
Diameter of the outlet nozzle	Н	150 max.	150 max.
LE-R body	I	164	328

Model	Order No.	Output kW	Voltage V	Description
LE-R 103	40018103	3,0	400	Thermally insulated, with overtemperature protection
LE-R 104	40018104	4,5	400	Thermally insulated, with overtemperature protection
LE-R 106	40018106	6,0	400	Thermally insulated, with overtemperature protection
LE-R 107	40018107	7,5	400	Thermally insulated, with overtemperature protection
LE-R 109	40018109	9,0	400	Thermally insulated, with overtemperature protection
LE-R 110	40018110	10,5	400	Thermally insulated, with overtemperature protection
LE-R 112	40018112	12,0	400	Thermally insulated, with overtemperature protection
LE-R 113	40018113	13,5	400	Thermally insulated, with overtemperature protection
LE-R 115	40018115	15,0	400	Thermally insulated, with overtemperature protection
LE-R 118	40018118	18,0	400	Thermally insulated, with overtemperature protection

Other sizes and capacities on request



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