

# Нагреватель с отдельной подачей воздуха

## LHS 41

### Технические характеристики

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# LHS 41: Small but high performance.

The medium size LHS 41 series air heaters cover an extremely wide application range. The small footprint enables easy integration in machines. The heater tube diameter of 50 mm allows passing sufficient air flow, also for high performance applications.

## Air heater

## LHS 41



### Technical data

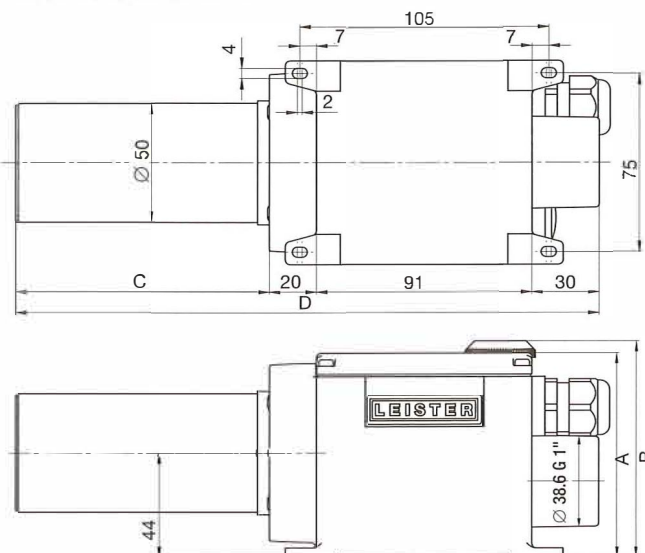
#### LHS 41S / 41L

|                             |    |                       |
|-----------------------------|----|-----------------------|
| Max. air outlet temperature | °C | 600                   |
| Min. air flow               |    | acc. to graph page 35 |
| Max. air inlet temperature  | °C | 65                    |
| Max. ambient temperature    | °C | 80                    |
| Weight                      | kg | 41S 0.85<br>41L 0.95  |
| Mark of conformity          |    | CE                    |
| Protection class II         |    | □                     |

### Combination possibilities

- Leister air heater at maximum heat power and without nozzle with Leister blower at 50 Hz, 1.5 m hose length and unimpeded air outflow.
- Hot air temperature 3 mm after air outlet, measured at the hottest point.
- Air flow at 0 °C, 101.3 kPa compliant with DIN 1343.

### Installation dimensions in mm



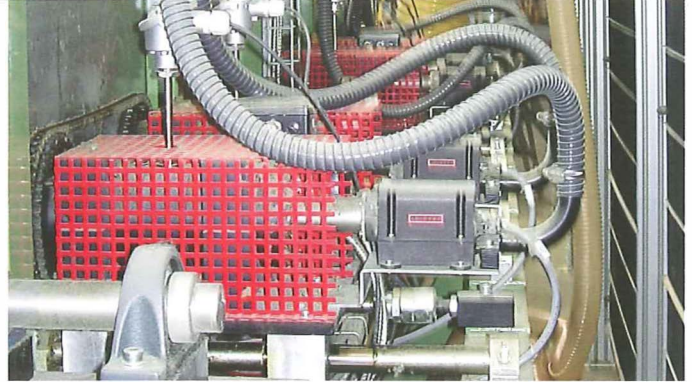
| Type            | A  | B  | C   | D   |
|-----------------|----|----|-----|-----|
| LHS 41S CLASSIC | 86 | 86 | 106 | 245 |
| LHS 41L CLASSIC | 86 | 86 | 136 | 275 |
| LHS 41S PREMIUM | 86 | 90 | 106 | 245 |
| LHS 41L PREMIUM | 86 | 90 | 136 | 275 |
| LHS 41S SYSTEM  | 86 | 90 | 106 | 245 |
| LHS 41L SYSTEM  | 86 | 90 | 136 | 275 |

| Blower Type | Number LHS 41S x<br>Power consumption kW | LHS 41S x<br>Air flow l/min | LHS 41S<br>Temperature °C |
|-------------|------------------------------------------|-----------------------------|---------------------------|
| ROBUST      | 2 x 2.0                                  | 2 x 480                     | 300                       |
| ROBUST      | 4 x 2.0                                  | 4 x 250                     | 450                       |
| ROBUST      | 1 x 3.6                                  | 1 x 810                     | 370                       |
| ROBUST      | 2 x 3.6                                  | 2 x 470                     | 540                       |
| SILENCE     | 2 x 2.0                                  | 2 x 460                     | 290                       |
| SILENCE     | 4 x 2.0                                  | 4 x 380                     | 300                       |
| SILENCE     | 1 x 3.6                                  | 1 x 440                     | 600                       |
| SILENCE     | 2 x 3.6                                  | 2 x 410                     | 600                       |
| SILENCE     | 4 x 3.6                                  | 4 x 330                     | 600                       |
| ASO         | 4 x 2.0                                  | 4 x 500                     | 230                       |
| ASO         | 4 x 3.6                                  | 4 x 480                     | 450                       |
| MONO        | 1 x 2.0                                  | 1 x 750                     | 250                       |
| MONO        | 1 x 3.6                                  | 1 x 665                     | 468                       |

| Blower Type | Number LHS 41L x<br>Power consumption kW | LHS 41L x<br>Air flow l/min | LHS 41L<br>Temperature °C |
|-------------|------------------------------------------|-----------------------------|---------------------------|
| ROBUST      | 2 x 2.0                                  | 2 x 510                     | 310                       |
| ROBUST      | 4 x 2.0                                  | 4 x 270                     | 470                       |
| ROBUST      | 1 x 4.0                                  | 1 x 810                     | 390                       |
| ROBUST      | 2 x 4.0                                  | 2 x 450                     | 560                       |
| SILENCE     | 2 x 2.0                                  | 2 x 453                     | 320                       |
| SILENCE     | 4 x 2.0                                  | 4 x 368                     | 330                       |
| SILENCE     | 1 x 4.0                                  | 1 x 410                     | 620                       |
| SILENCE     | 2 x 4.0                                  | 2 x 400                     | 620                       |
| SILENCE     | 4 x 4.0                                  | 4 x 330                     | 630                       |
| ASO         | 4 x 2.0                                  | 4 x 500                     | 270                       |

Air flow and temperature values may deviate from those above based on the design of the entire hot air system (including nozzles, air hoses, environmental conditions).

LHS air heaters in a production line  
for drying insulating material.



#### Air heater

### LHS 41 CLASSIC



Heating power not adjustable

Detection of heating element and device  
overheating with alarm output

#### Air heater

### LHS 41 PREMIUM



Heating power steplessly adjustable  
with potentiometer

Protection against heating element and  
device overheating with alarm output

#### Air heater

### LHS 41 SYSTEM



Heating power or temperature steplessly  
adjustable with potentiometer or remote  
control interface

Protection against heating element and  
device overheating with alarm output

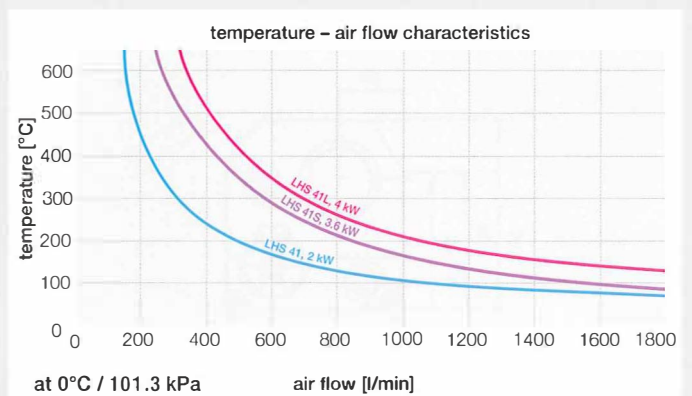
Remote control interface for external tempe-  
rature controllers (Leister CSS, or PLC's)

Air Heaters  
Controllers

#### Order no.:

|         |               | CLASSIC | PREMIUM | SYSTEM  |
|---------|---------------|---------|---------|---------|
| LHS 41S | 2.0 kW / 120V | 143.292 | 143.289 | 143.279 |
| LHS 41S | 2.0 kW / 230V | 143.291 | 143.287 | 143.278 |
| LHS 41S | 3.6 kW / 230V | 143.290 | 143.283 | 142.489 |
| LHS 41L | 2.0 kW / 400V | 143.293 | 143.281 | 142.492 |
| LHS 41L | 4.4 kW / 400V | 143.294 | 143.282 | 143.280 |

Contact a Leister sales partner in your region for professional advice and information  
on our other air heaters and blowers.



**По вопросам продаж и поддержки обращайтесь:**

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