



LHS 41S CLASSIC



LHS 41S PREMIUM

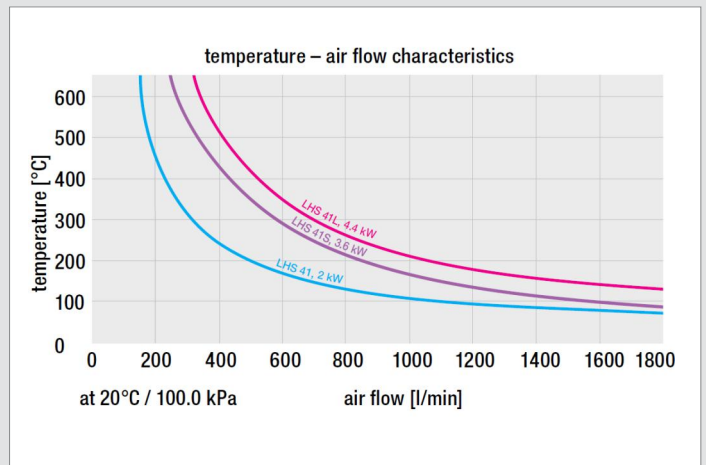


LHS 41S SYSTEM

LHS 41 Air Heater

The LHS 41 air heater provides the same power as its predecessor in a smaller package. Offering 2.0-4.4 kW of heating power this tool can provide hot air at temperatures of up to 650°C. The Leister line of LHS air heaters are suitable for building into machines, installations or appliances and are designed for continuous operation.

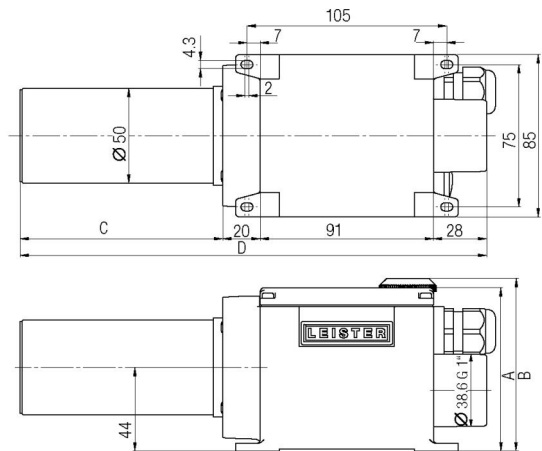
- Compact for installation into machines or other tight spaces
- Reliable, patented heat element protection
- Low maintenance costs
- Designed for continuous operation
- Standard control interface for easy integration into existing controls
- Available in three types:
 - CLASSIC: for permanent full heat capacity; passive overheat protection
 - PREMIUM: for manual adjustment of the heating power; active overheat protection
 - SYSTEM: for manual closed-loop adjustment of the temperature or external control; active overheat protection; various operating modes possible



Technical Data

Type		41S			41L		
Voltage	V	120	230		230	400	
Power consumption	kW	2.0	2.0	3.6	4.4	2.0	4.4
Min. air flow	l/min	240			240		
Max. air pressure	kPa	100			100		
Max. outlet temp.	°C	600 (CLASSIC) 650 (PREM./SYS.)			600 (CLASSIC) 650 (PREM./SYS.)		
Max. inlet temp.	°C	65			65		
Noise level	dB	<70			<70		
Weight	g	850			950		
Approval markings		CE, QPS			CE, QPS		
Electrical protection		Class II			Class II		

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	91	106	245
LHS 41L PREMIUM	86	91	136	275
LHS 41S SYSTEM	86	91	106	245
LHS 41L SYSTEM	86	91	136	275

LHS CLASSIC vs. PREMIUM vs. SYSTEM



LHS CLASSIC

- Heating power not adjustable
- Maximum temperature output 600°C
- Detection of heating element and device overheating with alarm output



LHS PREMIUM





























- Heating power adjustable via potentiometer
- Maximum temperature output 650°C
- Protection against heating element and device overheating with alarm output
- Open-loop temperature control



LHS SYSTEM

- Heating power and temperature adjustable via either potentiometer or external controller
- Maximum temperature output 650°C
- Protection against heating element and device overheating with alarm output
- Remote control interface included in the form of screw terminals
- Contains an internal thermocouple which allows for closed-loop temperature control using only the tool and a blower
- Closed-loop temperature control also available when used with an external controller and thermocouple
- Digital display provides actual output temperature readout as well as either a set-point display or a current percent power utilization display
- Internal dipswitches allow for the selection of:
 - °C or °F on digital display
 - Control by potentiometer or external controller
 - Internal closed-loop PID control active or inactive

LHS 41 Accessories

					
122.332: Nozzle adapter Ø50 mm to Ø62 mm	122.924: Ø50 mm to Ø36.5 mm	107.330: Folding reflector Ø125 x 22mm	107.331: Folding reflector Ø72 x 70 mm	106.127: Sieve reflector Ø65 mm	107.327: Sieve reflector 75 x 70 x 90 mm
					
107.333: Sieve reflector 150 x 110 x 137 mm	107.340: Shell reflector 250 x 45 x 58 mm	149.943: Round nozzle Ø30 mm outlet	105.961: Wide slot nozzle 42 x 11 mm	107.258: Wide slot nozzle 70 x 10 mm	106.057: Wide slot nozzle 100 x 4 mm
					
106.060: Wide slot nozzle 150 x 6 mm	107.270: Wide slot nozzle 150 x 12 mm	106.061: Wide slot nozzle 300 x 6 mm	107.254: Flange connector Ø50 mm to Ø70 mm	107.255: Tubular nozzle Ø35 mm, 160 mm	105.952: Tubular nozzle Ø50 mm with slot 800 x 0.9 mm
					
105.955: Tubular nozzle Ø50 mm with slot 660 x 1 mm	105.950: Tubular nozzle Ø50 mm with slot 300 x 2 mm	107.257: Tubular nozzle Ø50 with slot 420 x 1.8 mm	107.256: Tubular nozzle Ø48 mm, 73 x 170 mm	144.038: Compressed air connection G3/8"	150.096: Air inlet reduction valve
					
150.196: Heater tube with protection tube	133.516: Thermocouple holder	142.232: Adapter plate for LHS 41 instead of LHS 40	143.436: Adapter plate for LHS 41 instead of LE 3300		