

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 into 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

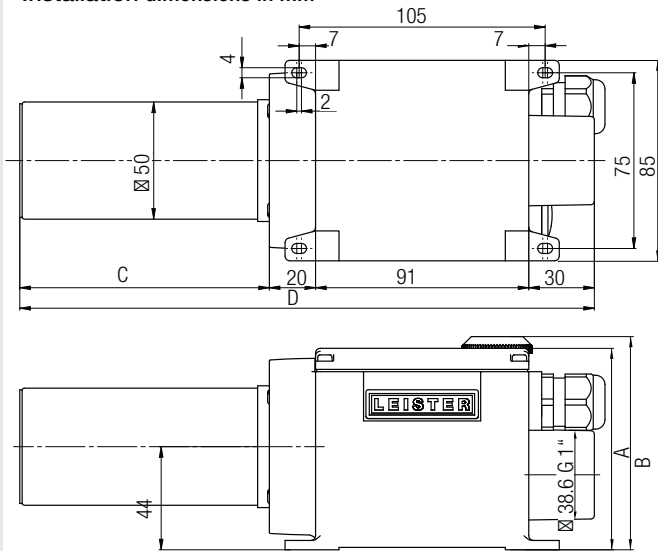
Max. air outlet temperature	°C	650
Max. air inlet temperature	°C	65
Max. ambient temperature	°C	65
Min. airflow		As per diagram page 31
Max. inlet pressure	kPa	100
Weight 41S / 41L	kg	0.85 / 0.95

Conformity mark	CE
Approval mark	Ⓢ
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



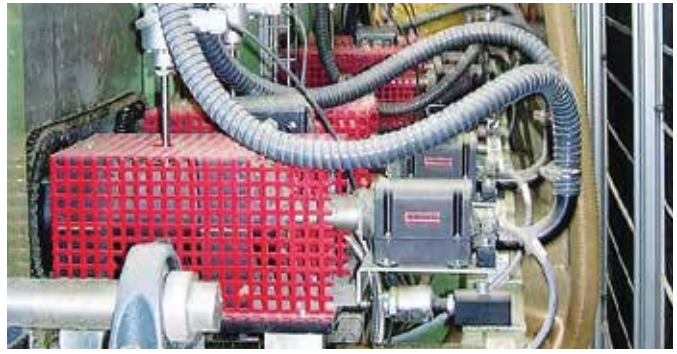
Type	A	B	C	D
LHS 41S CLASSIC	86	86	106	245
LHS 41L CLASSIC	86	86	136	275
LHS 41S PREMIUM	86	91	106	245
LHS 41L PREMIUM	86	91	136	275
LHS 41S SYSTEM	86	91	106	245
LHS 41L SYSTEM	86	91	136	275

Power Typ	Number LHS 41S x power cons. kW	LHS 41S x Air flow l/min.	LHS 41S Temperature °C
ROBUST	2 × 2.0	2 × 480	300
ROBUST	4 × 2.0	4 × 250	450
ROBUST	1 × 3.6	1 × 810	370
ROBUST	2 × 3.6	2 × 470	540
SILENCE	2 × 2.0	2 × 460	290
SILENCE	4 × 2.0	4 × 380	300
SILENCE	1 × 3.6	1 × 440	600
SILENCE	2 × 3.6	2 × 410	600
SILENCE	4 × 3.6	4 × 330	600
ASO	4 × 2.0	4 × 500	230
ASO	4 × 3.6	4 × 480	450
MONO	1 × 2.0	1 × 750	250
MONO	1 × 3.6	1 × 665	468

Power Typ	Number LHS 41L x power cons. kW	LHS 41L x Air flow l/min.	LHS 41L Temperature °C
ROBUST	2 × 2.0	2 × 510	310
ROBUST	4 × 2.0	4 × 270	470
ROBUST	1 × 4.0	1 × 810	390
ROBUST	2 × 4.0	2 × 450	560
SILENCE	2 × 2.0	2 × 453	320
SILENCE	4 × 2.0	4 × 368	330
SILENCE	1 × 4.0	1 × 410	620
SILENCE	2 × 4.0	2 × 400	620
SILENCE	4 × 4.0	4 × 330	630
ASO	4 × 2.0	4 × 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

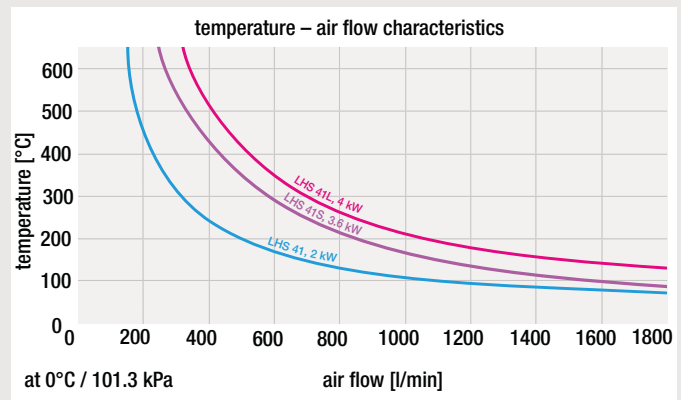
Protection against heating element and device overheating with alarm output

Remote control interface for external temperature controllers (Leister CSS, or PLCs)

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 4.4 kW/230V		145.726	145.435	145.729
LHS 41L 2.0 kW/400V		143.293	143.281	142.492
LHS 41L 4.4 kW/400V		143.294	143.282	143.280
LHS 41L 5.5 kW/400V		145.727	145.438	145.728

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







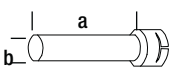
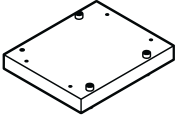
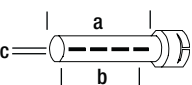

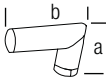


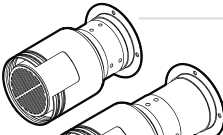
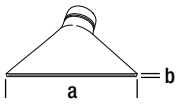
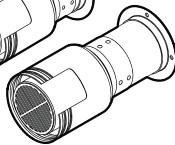
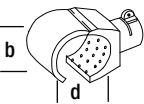
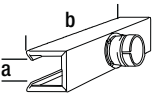
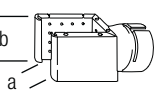
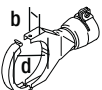
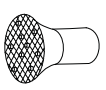
Accessories



Drying pills, mints and sweets and smoothing their coatings.



Accessories LHS 41 (Ø 50 mm)

	107.254 Flange connector, push-fit a = 70 mm		133.516 Thermocouple holder
	122.332 Nozzle adapter, push-fit from (a) Ø 50 mm to (b) Ø 62 mm 122.924 from (a) Ø 50 mm to (b) Ø 37 mm		144.038 Compressed air connection
	107.255 Extension nozzle, push-fit (a × b) 160 × 36.5 mm		142.232 Adapter plate LHS 41 instead of LHS 40 143.436 Adapter plate LHS 41 instead of LE 3300
	105.950 Tubular nozzle, push-fit (a × b × c) 460 × 300 × 2 mm 107.257 590 × 420 × 1.7 mm 105.955 836 × 660 × 1 mm 105.952 900 × 800 × 0.9 mm		149.943 Round nozzle (Ø 50) for LHS 41
	107.256 Angled nozzle, push-fit (a × b) shank length 106 x 162, Ø 50 mm		150.096 Air inlet reduction valve for LHS 41
	105.961 Wide slot nozzle, push-fit (a × b) 45 × 12 mm, length 350 mm 107.258 70 × 10 mm		150.195 Heater tube (Ø 50) with protection tube for LHS 41S
	106.057 Wide slot nozzle, push-fit (a × b) 100 × 4 mm 106.060 150 × 6 mm 107.270 150 × 12 mm 106.061 300 × 6 mm		150.196 Heater tube (Ø 50) with protection tube for LHS 41L
	107.331 Hinged reflector, push-fit (d × b) 70 × 70 mm		
	107.340 Shell reflector, push-fit (a × b) 45 × 250 mm		
	107.327 Sieve reflector, push-fit (a × b) 70 × 75 mm 107.333 130 × 150 mm		
	107.330 Hinged reflector, push-fit (d × b) 125 × 22 mm		
	106.127 Sieve reflector "Douche", push-fit Ø 65 mm		