



LHS 61S CLASSIC



LHS 61S PREMIUM



LHS 61S SYSTEM

LHS 61 Air Heater

The LHS 61 air heater provides the same power as its predecessor in a smaller package. Offering 4.0-16.0 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.

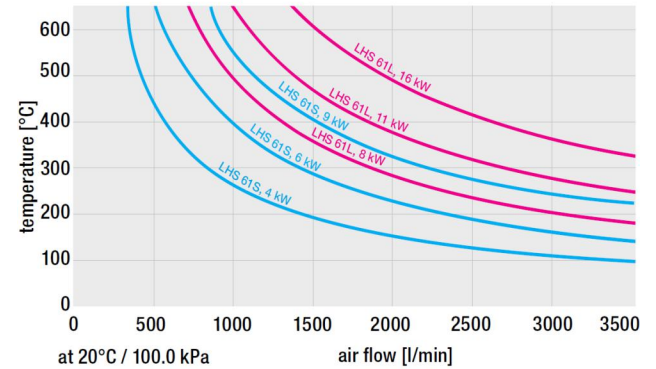
- Compact for installation into machines or other tight spaces
- Reliable, patented heat element protection
- Standard control interface for easy integration into existing controls
- Available in three types: CLASSIC, PREMIUM, and SYSTEM

Technical Data

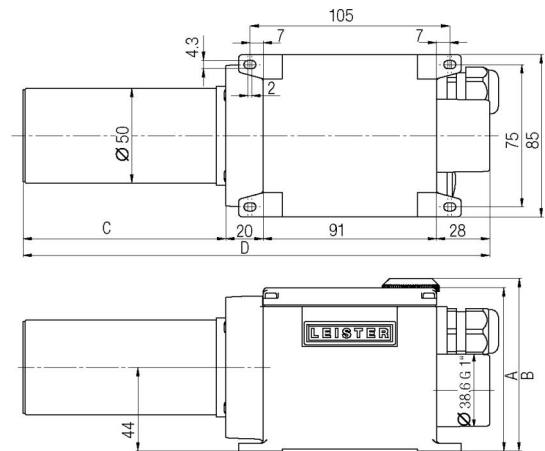
Type	61S										
Voltage	V	1 x 400	1 x 480	3 x 230	3 x 400	3 x 480					
Power consumption	kW	8.5	8	4	6	4	6	9	4	6	
Min. air flow	l/min	360	360	360	360	360					
Max. air pressure	kPa	100	100	100	100	100					
Max. outlet temp.	°C	600 (CLASSIC) 650 (PREMIUM/SYSTEM)									
Max. ambient temp.	°C	65	65	65	65	65					
Noise level	dB	<70	<70	<70	<70	<70					
Weight	g	3.15	3.15	3.15	3.15	3.15					
Approval markings		CE, QPS	CE, QPS	CE, QPS	CE, QPS	CE, QPS					
Electrical protection		Class I	Class I	Class I	Class I	Class I					

Type	61L									
Voltage	V	3 x 230	3 x 400	3 x 480						
Power consumption	kW	8	10	5	8	11	16	8	11	16
Min. air flow	l/min	500	500	500						
Max. air pressure	kPa	100	100	100						
Max. outlet temp.	°C	600 (CLASSIC) 650 (PREMIUM/SYSTEM)								
Max. ambient temp.	°C	65	65	65						
Noise level	dB	<70	<70	<70						
Weight	g	3.65	3.65	3.65						
Approval markings		CE, QPS	CE, QPS	CE, QPS						
Electrical protection		Class I	Class I	Class I						

temperature – air flow characteristics



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 61S Accessories

					
107.260: Wide slot nozzle 85 x 15 mm	107.259: Wide slot nozzle 150 x 12 mm	105.977: Wide slot nozzle 200 x 8 mm	107.263: Wide slot nozzle 250 x 12 mm	107.262: Wide slot nozzle 300 x 4 mm	105.992: Wide slot nozzle 400 x 4 mm
					
105.991: Wide slot nozzle 500 x 4 mm	107.335: Sieve reflector Ø152 mm	106.143: Sieve reflector 75 x 45 x 91 mm	107.329: Sieve reflector 75 x 75 x 91 mm	107.336: Sieve reflector 152 x 110 x 137 mm	107.342: Shell reflector 400 x 56 x 64 mm
					
106.174: Shell reflector 400 x 65 x 78 mm	106.175: Shell reflector 400 x 80 x 64 mm	107.245: Round nozzle Ø40 mm outlet	125.317: Flange connector Ø62 mm to Ø90 mm	127.062: Nozzle adapter Ø62 mm to Ø60 mm	110.582: Turbo nozzle Ø35 mm outlet
					
111.745: Tubular nozzle Ø40 mm, 25 mm	107.247: Tubular nozzle Ø43 mm, 200 mm	105.876: Tubular nozzle Ø50 mm, 100 mm	107.265: Tubular nozzle Ø60 mm, 73 x 116 mm	113.351: Tubular nozzle Ø62 mm, 245 mm	105.907: Tubular nozzle Ø62 mm with slot 204 x 4.5 mm
					
105.919: Tubular nozzle Ø62 mm with slot 306 x 3 mm	107.253: Tubular nozzle Ø62 mm with slot 550 x 1.7 mm	105.906: Tubular nozzle Ø62 mm with slot 940 x 4 mm	133.517: Thermocouple holder	149.624: Protective tube	144.039: Compressed air connection G3/8"
					
143.575: Adapter plate for LHS 61S instead of LE 5000					

LHS 61L Accessories

					
107.274: Wide slot nozzle 130 x 16 mm	106.028: Wide slot nozzle 220 x 12 mm	107.272: Wide slot nozzle 300 x 12 mm	106.018: Wide slot nozzle 400 x 10 mm	106.024: Wide slot nozzle 500 x 7 mm	107.267: Wide slot nozzle 500 x 15 mm
					
106.023: Wide slot nozzle 600 x 4 mm	106.026: Wide slot nozzle 600 x 9 mm	107.276: Sieve reflector Ø260 mm	107.341: Shell reflector 370 x 160 x 185 mm	107.244: Round nozzle Ø50 mm outlet	110.581: Turbo nozzle Ø48 mm, 75 mm
					
107.273: Tubular nozzle Ø60 mm, 500 mm	107.269: Tubular nozzle Ø90 mm, 102 x 178 mm	125.318: Flange connector Ø92 mm to Ø120 mm	106.031: Tubular nozzle Ø92 mm with slot 800 x 2 mm	106.035: Tubular nozzle Ø92 with slot 900 x 1.7 mm	107.268: Tubular nozzle Ø92 with slot 1000 x 1.5 mm
					
106.033: Tubular nozzle Ø92 mm with slot 1350 x 1.1 mm	149.629: Protective tube	133.517: Thermocouple holder	144.039: Compressed air connection G3/8"		