



PROCESS HEAT

From LE to LHS:







How to benefit from Leister's
new generation of air heaters.

We know how.

New LHS air heaters from Leister: Compact and reliable.



Picture: LHS 21S SYSTEM

1		Compact: Small dimensions for installation in tight spaces.
2		Reliable: Innovative, patented heating element protection ensures long element life.
3		Easy maintenance: Faster and easier heating element replacement.
4		Power electronics: External power control replaced by internal power electronics.
5		Thermocouple: Improved precision and greater reproducibility thanks to integrated thermocouple in SYSTEM devices.
6		User-friendly: Digital display on SYSTEM devices provides precise information for users.

LHS CLASSIC	LHS PREMIUM	LHS SYSTEM
		
Heating power not adjustable	Heating power adjustable with potentiometer	Heating power or temperature adjustable with potentiometer or remote control interface
Detection of heating element and device overheating with alarm output	Protection against heating element and device overheating with alarm output	Protection against heating element and device overheating with alarm output
		Remote control interface for external temperature controllers (Leister CSS, or PLC's)

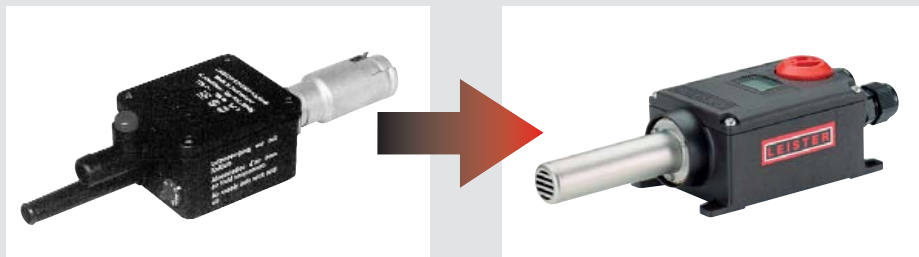
Content

From LE 700	to LHS 21	page 3
From LE 3000	to LHS 21L / 21S	page 4
From LE 3300	to LHS 41L / 41S	page 5
From LE 5000	to LHS 41L / LHS 61S	page 6
From LE 10 000 S	to LHS 61L	page 7
From LE 40 000	to LHS 91	page 8

Remarks

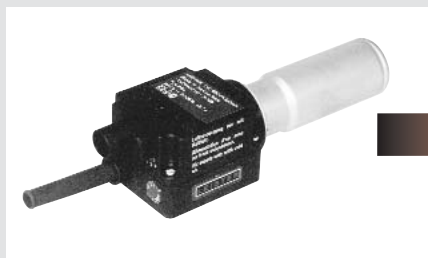
This document is suggesting one possible upgrade path. For further upgrade options please contact your Leister Sales and Service center.

The footprint of new LHS tools may be different compared to equivalent LE tools. Review your check the installation dimensions carefully when considering upgrading. For detailed drawings or optional adapter plates ask your Sales and Service Center or visit www.leister.com



LE 700 → **LHS 15**

101.352	230 V / 0.77 kW, without electronics	→	139.874	LHS 15 CLASSIC 230 V / 0.77 kW
116.650	220 – 230 V / 0.7 – 0.77 kW, for KSR, 1 m control cable protection tube not recessed	→	139.895	LHS 15 SYSTEM 230 V / 0.77 kW
101.351	2200 – 230 V / 0.7 – 0.77 kW	→	139.893	LHS 15 PREMIUM 230 V / 0.77 kW
101.354	120 V / 0.55 kW	→	139.908	LHS 15 PREMIUM 120 V / 0.55 kW



LE 3000 → LHS 21L / LHS 21S

101.434	230 V / 3.3 kW, without electronics	→	139.872	LHS CLASSIC, 21L 230 V / 3.3 kW
108.854	220 – 230 V / 3.0 – 3.3 kW, with external potentiometer, 5 m control cable	→	140.461	LHS SYSTEM 21L, 230 V / 3.3 kW *
101.382	220 – 230 V / 3.0 – 3.3 kW, for KSR, 5 m control cable	→	140.461	LHS SYSTEM 21L, 230 V / 3.3 kW
101.426	220 – 230 V / 3.0 – 3.3 kW	→	140.457	LHS PREMIUM 21L, 230 V / 3.3 kW
101.436	100 – 120 V / 1.5 – 2.2 kW	→	140.456	LHS PREMIUM 21S, 120 V / 2.0 kW * *

* New tool without potentiometer, external control circuit required

* * 2.0 kW instead of 2.2 kW nominal power



LE 3300 → **LHS 41L / LHS 41S**

101.810	440 V / 4.0 kW
101.809	400 V / 4.4 kW, without electronics
110.872	380 – 400 V / 4.0 – 4.4 kW, for KSR, 5 m control cable
101.806	380 – 400 V / 4.0 – 4.4 kW
101.802	230 V / 3.6 kW, without electronics
101.803	230 V / 2.2 kW, without electronics
101.796	220 – 230 V / 3.3 – 3.6 kW
108.935	220 – 230 V / 3.3 – 3.6 kW, or KSR, 5 m control cable
101.801	220 – 230 V / 2.0 – 2.2 kW
101.795	100 – 120 V / 1500 – 2200 W

→	143.281	LHS 41L PREMIUM, 400 V / 2.0 kW *
→	143.294	LHS 41L CLASSIC, 400 V / 4.4 kW
→	143.280	LHS 41L SYSTEM, 400 V / 4.4 kW
→	143.282	LHS 41L PREMIUM, 400 V / 4.4 kW
→	143.290	LHS 41S CLASSIC, 230 V / 3.6 kW
→	143.291	LHS 41S CLASSIC, 230 V / 2.0 kW * *
→	143.283	LHS 41S PREMIUM, 230 V / 3.6 kW
→	142.489	LHS 41S SYSTEM, 230 V / 3.6 kW * *
→	143.287	LHS 41S PREMIUM, 230 V / 2.0 kW * *
→	143.289	LHS 41S PREMIUM, 120 V / 2.0 kW * *

* 2.4 kW at 440 V instead of 4 kW nominal power

* * 2.0 kW instead of 2.2 kW nominal power



LE 5000 → LHS 41L / LHS 61S

102.184	480 V / 8.0 kW	→	154.439	LHS 61S PREMIUM, 480 V / 8.0 kW *
102.181	440 V / 10.0 kW, without electronics, single phased	→	145.732	LHS 61S CLASSIC, 400 V / 8.5 kW *
102.180	400 V / 8.5 kW, without electronics, single phased	→	145.732	LHS 61S CLASSIC, 400 V / 8.5 kW *
102.173	400 V / 5.5 kW, without electronics, single phased	→	145.727	LHS 41L CLASSIC, 400 V / 5.5 kW * *
102.174	380 – 440 V / 7.5 – 10.0 kW, SEV approved	→	145.442	LHS 61S PREMIUM, 400 V / 8.5 kW *
112.871	380 – 440 V / 7.5 – 10.0 kW, for KSR, 5 m control cable	→	145.734	LHS 61S SYSTEM, 400 V / 8.5 kW *
102.169	380 – 440 V / 5.0 – 6.5 kW, SEV approved	→	145.438	LHS 41L PREMIUM, 400 V / 5.5 kW * *
102.168	3 x 400 V / 7.5 kW, without electronics	→	143.490	LHS 61S CLASSIC, 3 x 400 V / 6 kW *
102.160	230 V / 4.5 kW, without electronics, single phased	→	145.726	LHS 41L CLASSIC 230 V / 4.4 kW * *
102.156	220 – 230 V / 4.0 – 4.5 kW, SEV approved	→	145.435	LHS 41L PREMIUM, 230 V / 4.4 kW * *

* Air inlet diameter 60 mm instead of 38 mm

* * Outlet diameter 50 mm instead of 62 mm



LE 10 000 S → **LHS 61L**

110.968	3 x 380 – 440 V / 10 – 13.5 kW, connection for KSR, 5 m control cable	→	142.568	LHS 61L SYSTEM, 3 x 400 V / 11.0 kW
102.760	3 x 380 – 440 V / 10.0 – 13.5 kW, SEV approved	→	143.722	LHS 61L PREMIUM, 3 x 400 V / 11.0 kW
102.779	3 x 480 V / 16.0 kW, without electronics	→	143.487	LHS 61L CLASSIC, 3 x 480 V / 16.0 kW
102.777	3 x 480 V / 16.0 kW	→	143.486	LHS 61L PREMIUM, 3 x 480 V / 16.0 kW
102.770	3 x 400 V / 17.0 kW, without electronics	→	143.488	LHS 61L CLASSIC, 3 x 400 V / 16.0 kW *
102.765	3 x 400 V / 17.0 kW	→	143.485	LHS 61L PREMIUM, 3 x 400 V / 16.0 kW *
102.768	3 x 400 V / 11.0 kW, without electronics	→	143.699	LHS 61L CLASSIC 3 x 400 V / 11.0 kW
102.761	3 x 380 – 440 V / 5.0 – 7.0 kW	→	143.720	LHS 61L PREMIUM 3 x 400 V / 5.0 kW **
102.747	3 x 230 V / 10.0 kW, SEV approved	→	143.719	LHS 61L PREMIUM, 3 x 230 V / 10.0 kW
102.753	3 x 230 V / 10.0 kW, without electronics	→	143.489	LHS 61L CLASSIC 3 x 230 V / 10.0 kW

* 16.0 kW instead of 17.0 kW

** 5.0 kW instead of 6.0 kW at 400 V



LE 40 000 → **LHS 91**

100.168	3 x 380 – 440 V / 29 – 39 kW	→	140.356	LHS 91 SYSTEM 3 x 400 V / 32 kW
116.471	3 x 200 – 230 V / 21 – 28 kW, for KSR, 5 m control	→	140.357	LHS 91 SYSTEM 3 x 230 V / 28 kW
100.763	3 x 380 – 440 V / 10 – 13.5 kW	→	140.358	LHS 91 SYSTEM 3 x 400 V / 11 kW
110.540	3 x 380 – 440 V / 29 – 39 kW, for KSR, 5 m control	→	140.356	LHS 91 SYSTEM 3 x 400 V / 32 kW
100.761	3 x 220 – 230 V / 25 – 28 kW	→	140.357	LHS 91 SYSTEM 3 x 230 V / 28 kW
100.764	3 x 400 V / 32 kW, without electronics	→	100.764	LHS 91 BASIC 3 x 400 V / 32 kW
100.766	3 x 480 V / 32 kW, without electronics	→	100.766	LHS 91 BASIC 3 x 480 V / 32 kW

Distributor's address:

Specifications are subject to change without prior notice.

Swiss Made Quality. Leister Technologies AG is an **ISO 9001** certified enterprise.