

High temperature air heater

LE 10000 HT (up to 900°C)



Technical data High temperature LE 10000 HT

No integrated power electronics	•
Heating element tube with protective tube	•
Max. air outlet temperature °C	900
Max. air inlet temperature °C	100
Min. air flow l/min.	830
Max. ambient temperature °C	100
Weight kg	4.0
Mark of conformity	CE
Protection classe I	⊕

Optional power controller

DSE three-phase controller

Optional temperature regulation

DSE three-phase controller and KSR DIGITAL temperature regulator

Voltage V ~	3 × 400	3 × 480
Power consumption kW	15	15
Order no.	110.568	113.349

Additional versions on request

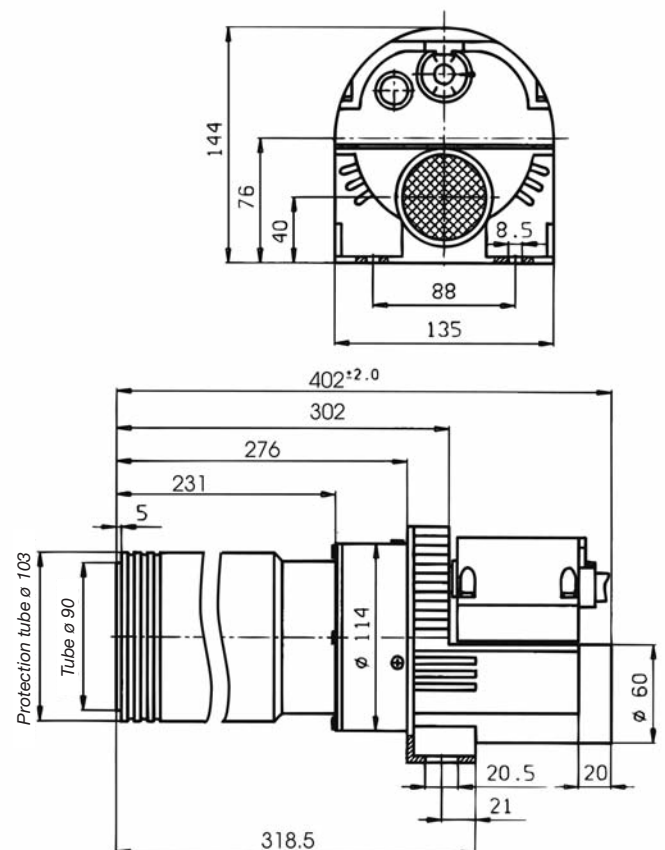
Combination possibilities

- 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 in NI/min = standard litres / min compliant with DIN 1343.

Power Typ	Number LE × Power consumption	Air flow NI/min	Temperature °C
ROBUST	1 × 15 000	1 × 1100	850
ASO	1 × 15 000	1 × 2200	690
ASO	2 × 15 000	2 × 2100	700
AIRPACK	1 × 15 000	1 × 3400	340
AIRPACK	2 × 15 000	2 × 1650	620

Air flow and temperature specifications may deviate from ideal values due to modifications of the hot-air system (nozzles, hose length, etc.).

Installation dimensions in mm



Temperature controller

KSR DIGITAL



Technical data	KSR DIGITAL
Suitable for LEISTER air heaters	LE 10000 HT
Regulation type	PID
Ready to use with preconfigured parameter set	•
Configuration with PC and programming cable (see Accessories)	
Accuracy	Accuracy better than 0.2% of scale value at 25 °C
Switchover °C °F	Configurable via keypad
Temperature sensor / input	Type K / socket
Alarm output	2 alarms independently configurable Output at 2 floating relay contacts 2mm receptacle
Connection to air heater	Socket, compatible with KSR models
Voltage	100 – 240 VAC, max. 8 VA
Mains connection lead	2 m, with Euro plug
Mechanics	Regulator built into housing, ready to operate, can also be integrated into the front panel, with cut-out 67 × 67 mm
Size L × W × H	175 × 72 × 72 mm
Weight kg	0.5
Mark of conformity	CE
Protection classe II	⊕
Order no.	For DSE / HT °C 111.164

Controller

Three-phase adjustment unit DSE




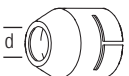
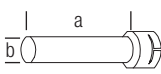
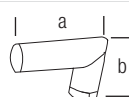
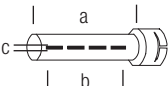
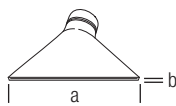
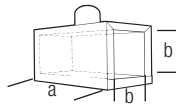
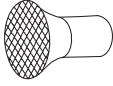
Technical data Three-phase adjustment unit DSE

External power electronics module for non-electronic air heaters of series LE 10000 HT




	Potentiometer operation	for KSR DIGITAL
Heating power steplessly adjustable with potentiometer	•	
Remote control interface for KSR DIGITAL temperature regulator or external PLC control 0 – 12 V		•
Size (L × W × H) mm	230 × 165 × 86	
Fixture hole pitch mm	150 × 150	
Mark of conformity	CE	
Protection classe II	⊕	

DSE for	KSR	Potentiometer	KSR
Power supply voltage V ~	3 × 230	3 × 400 – 440	3 × 400 – 440
Max. current A	3 × 20	3 × 20	3 × 20
Order no.	110.574	110.571	110.572

Accessories LE 10000 HT
(Ø 92 mm)

125.318		FI Flange connector, push-fit a = 120 mm
107.244		Round nozzle, push-fit d = 50 mm
107.273		Extension nozzle, push-fit (a x b) 500 x 60 mm
107.269		Angled nozzle, push-fit (a x b) Schenkellänge 175 x 175 mm
106.031 106.035 107.268 106.036 106.033 106.038		Tubular nozzle, push-fit (a x b x c) 1000 x 800 x 2 mm 1185 x 900 x 1.6 mm 1288 x 1000 x 1.5 mm 1535 x 1250 x 1.2 mm 1550 x 1350 x 1.1 mm 2225 x 2000 x 0.8 mm
107.274 106.028 107.272 106.018 106.024 107.267 106.023 106.026		Wide slot nozzle, push-fit (a x b) 130 x 17 mm 220 x 12 mm 300 x 12 mm 400 x 10 mm 500 x 7 mm 500 x 15 mm 600 x 4 mm 600 x 9 mm
107.341		Shell reflector, push-fit (a x b) 370 x 160 mm
107.276		Sieve reflector, push-fit Ø 260 mm

Accessories KSR DIGITAL, DSE

106.956		Thermocouple with plug, 1 m cable > KSR DIGITAL
106.958 106.960 106.962		Thermocouple extension cable with plug and connection 2 m 4 m 10 m KSR DIGITAL,
111.331		Controller/extension cable 5 m > KSR DIGITAL > DSE

Special nozzles on request

If using non-Leister blowers, compressors and accessories no guarantee can be given by us