

Air heater

LE 10 000 DF



Technical data		LE 10000 DF	LE 10000 DF
LE 10000 double flange			
Easy to integrate in existing air systems			• •
Suitable for recycling air			• •
Simple and safe fixture options			• •
No integrated power electronics			• •
Max. air outlet temperature °C			650 900
Max. air inlet temperature °C			160 160
Min. air flow l/min.	5.5 kW	500	
	11 kW	1100	
	17 kW	1750	
	15 kW HT		830
Max. ambient temperature °C	100	100	
Weight kg including 5 m silicon cable		3.4	4.0
Mark of conformity		CE	CE
Protection classe I		⊕	⊕

Optional power controller

DSE three-phase controller

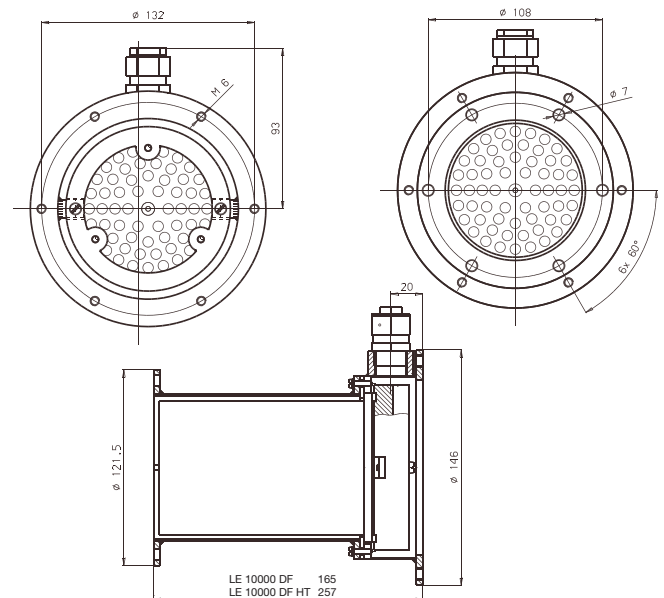
Optional temperature regulation

DSE three-phase controller and KSR DIGITAL temperature regulator

Voltage V ~	3 × 400	3 × 400	3 × 400	3 × 400
Power consumption kW	5.5	11	17	15
LE 10000 DF Order no.	115.571	114.555	116.135	
LE 10000 DF Order no.				116.056

Additional versions on request

Installation dimensions in mm



Temperature controller

KSR DIGITAL



Technical data	KSR DIGITAL
Suitable for LEISTER air heaters	LE 10 000 DF
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 / DF °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 DF

	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 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