



Air Heater

## LE TOOL Double-Flange Air Heater

These Double-Flange (DF) air heaters are suitable for integration into machinery. With the Double-Flange Recirculating model (DF-R), air inlet temperatures can be as high as 350°C; preheated air can be recycled, thereby reducing power consumption without sacrificing performance. The High-Temperature (HT) models can provide outlet temperatures as high as 900°C. The Clean Heater (DF-C) model's design minimizes particle emission and is exclusively manufactured using nontoxic materials. It meets the stringent requirements for clean environments in industries such as food and beverage, pharmaceutical, cosmetics, and electronics manufacturing.

- Easy to integrate into machinery
- Designed for continuous operation
- Suitable for recycling heated air
- No integrated power electronics
- Optional external power control system available for heating power regulation

### Technical Data - LE TOOL 5000 DF/DF-R

Type		5000 DF/DF-R	5000 DF/DF-R
Voltage	V~	3 x 230	3 x 400
Power Consumption	kW	8	4.5, 6.5, 7.5
Max. outlet temp.	°C	700	700
Min. air flow	l/min	550	310, 450, 410
Max. air inlet temp.	°C	160 (DF) 350 (DF-R)	160 (DF) 350 (DF-R)
Max. ambient temp.	°C	100 (DF) 200 (DF-R)	100 (DF) 200 (DF-R)
Noise level	dB	<70	<70
Size (L x Ø)	mm	184 x Ø 116	184 x Ø 116
Weight	kg	2.6 (DF) 2.0 (DF-R)	2.6 (DF) 2.0 (DF-R)
Approval markings		CE	CE
Electrical protection		Class I ⚡	Class I ⚡

### Technical Data - LE TOOL 10,000 DF/DF-R/DF HT/DF-R HT

Type		10000 DF/DF-R	10000 DF HT/DF-R HT
Voltage	V~	3 x 400	3 x 400
Power Consumption	kW	5.5, 11, 17	15
Max. outlet temp.	°C	650	900
Min. air flow	l/min	400, 810, 1300	800
Max. air inlet temp.	°C	160 (DF) 350 (DF-R)	160 (DF) 350 (DF-R)
Max. ambient temp.	°C	100 (DF) 200 (DF-R)	100 (DF) 200 (DF-R)
Noise level	dB	<70	<70
Size (L x Ø)	mm	165 x Ø 146	257 x Ø 146
Weight	kg	3.4 (DF) 2.7 (DF-R)	4.0 (DF HT) 3.3 (DF-R HT)
Approval markings		CE	CE
Electrical protection		Class I ⚡	Class I ⚡

### Technical Data - LE TOOL 10,000 DF-C

Type		10000 DF-C	10000 DF-C
Voltage	V~	3 x 230	3 x 400
Power Consumption	kW	8	5.5, 11, 17
Max. outlet temp.	°C	650	650
Min. air flow	l/min	550	400, 810, 1300
Max. air inlet temp.	°C	150	150
Max. ambient temp.	°C	100	100
Noise level	dB	<70	<70
Size (L x Ø)	mm	165 x Ø 146	165 x Ø 146
Weight	kg	3.9	3.9
Approval markings		CE	CE
Electrical protection		Class I ⚡	Class I ⚡