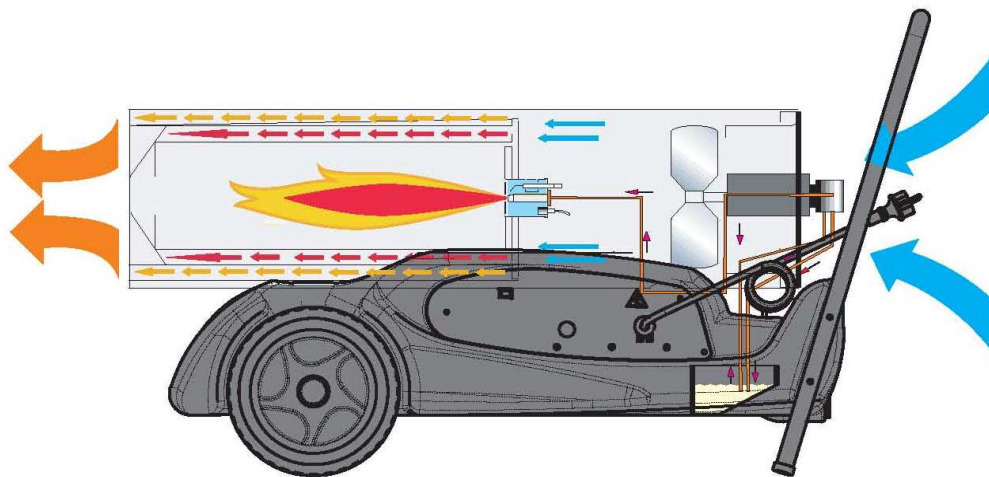


DIRECT OIL HEATER

B 180



HEATER FUNCTIONING DIAGRAM



The air heater with direct combustion, thanks to a fan that is axially connected to the motor, compresses the air towards the nozzle where the fuel is nebulized, brought at high pressure thanks to an axial pump. The products of combustion are mixed with the air flow of the environment, which is created by the rotation of the fan and pushed towards the external part of the heater. A photoresistance connected to an control electronic board, constantly verifies the correct functioning of the heater and in case of anomaly, stops the functioning cycle. The noise level is extremely low and the accurate choice of materials assures a high reliability

SPECIFICATION

Max Capacity	kW	48	Oil consumption	kg/h	3,8
	Kcal/h	41200	Tank capacity	l	36
	Btu/h	165000	Autonomy	h	8
Combustible	Oil / Kerosene		Tension	V	220-240
Net weight	Kg	30	Frequency	Hz	50
Gross weight	Kg	34	Rated current	A	1,5
Pump pressure	bar	10	Noise level	dBa	76
Ø Fan	mm	250			
Airflow	m ³ /h	1550/900			

PACKAGING

Packaging dimensions	mm	1200 x 400 x 530
Effective dimensions	mm	1165 x 380 x 550
Pieces for pallet	n ^o	8
Pieces full truck	n ^o	264

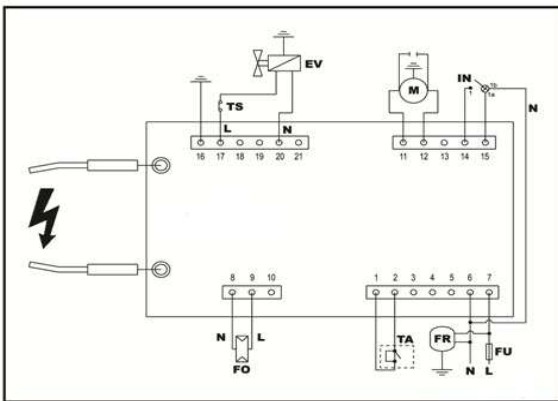
COMPONENTS

Pump	Danfoss BFA - rotary with element filter
Nozzle	Danfoss 1,00 GPH 80° S
Flame control	Electronic board with transformer on board
Igniter	Bifilar electrodes
Oil filter	In line 250 µm
Overheat thermostat	Series / N.C. until at 90°C
Motor	Asynchronous, monophase, with thermal protection, Anticlockwise rotation, 2800 g/1'
Tank	Material PE
Ambient thermostat	Predisposition for connecting an ambient thermostat

ACCESSORIES

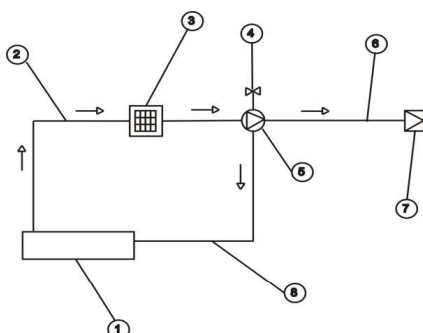
Ambient thermostat	TH5
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WIRING DIAGRAM



L	:	Line
N	:	Neutral
EV	:	Electrovalve
TS	:	Overheat thermostat
IN	:	Switch
FU	:	Fuse
M	:	Motor
FO	:	Photocell
TA	:	Ambient thermostat
FR	:	Network filter

OIL DIAGRAM



1	:	Tank
2	:	Oil pipe intake
3	:	Oil filter
4	:	Electrovalve
5	:	Pump
6	:	Oil pipe supply
7	:	Nozzle
8	:	Oil return pipe