



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 Kcal/h	48 41200		Oil consumption	kg/h	3,8		
· · ·	Btu/h	165000		Tank capacity	l	36		
Combustible	Oil / Kerosene			Autonomy	h	8		
Net weight	Kg	30		Tension	V	220-240		
Gross weight	Kg	34		Frequency	Hz	50		
Pump pressure	bar	10		Rated current	А	1,5		
Ø Fan	mm	250		Noise level	dBa	76		
Airflow	m³∕h	1550/900						
PACKAGING								
Packaging dimensions	mm			1200 x 400 x 53	0			
Effective dimensions	mm			1165 x 380 x 55	0			
Pieces for pallet	П ⁰			8				
Pieces full truck	П ⁰			264				

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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		

WIRING DIAGRAM

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L	:	Line
Ν	:	Neutral
ΕV	:	Electrovalve
TS	:	Overheat thermostat
IN	:	Switch
FU	:	Fuse
М	:	Motor
FO	:	Photocell
ΤA	:	Ambient thermostat
FR	:	Network filter

OIL DIAGRAM



FS

:	Tank
:	Oil pipe intake
:	Oil filter
:	Electrovalve
:	Pump
:	Oil pipe supply
:	Nozzle
:	Oil return pipe

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