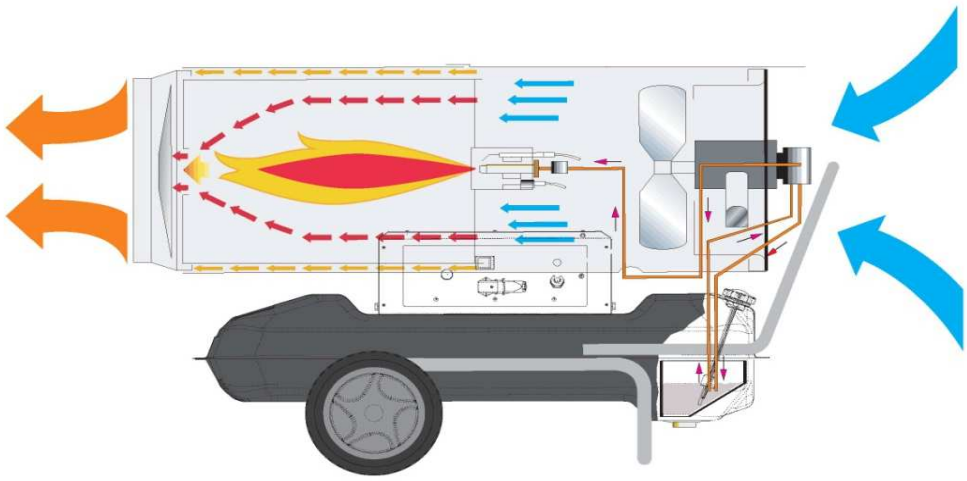
MASTER®
CLIMATE SOLUTIONS

DSH00006

DIRECT OIL HEATER

B360

HEATER FUNCTIONING DIAGRAM



The oil heater with high pressure direct combustion nebulizes the combustible inside a chamber, that burns in connection to a igniter. The products of combustion are mixed with the ambient air flow, generated by rotation of the fan and pushed towards the external part of the generator. It is designed with the most modern standards of functionality and durability. Safety devices always assure a proper functioning of the heater, the noise is reduced to a minimal level and the accurate choice of materials guarantees a high efficiency

SPECIFICATION

Max Capacity	kW Kcal/h Btu/h	**111** **95460** **379000**	Oil consumption	kg/h	**8,83**
			Tank capacity	l	**105**
Combustible	Oil / Kerosene		Autonomy	h	**10**
Net weight	Kg	**86**	Tension	V	**220-240**
Gross weight	Kg	**110**	Frequency	Hz	**50**
Pump pressure	bar	**13**	Rated current	A	**4,6**
Ø Fan	mm	**500**	Noise level	dBa	**77**
Airflow	m^3/h	**3300**			

PACKING

Packaging dimensions	mm	**1600 x 750 x 1180**
Effective dimensions	mm	**1670 x 700 x 940**
Pieces for pallet	n°	**1**
Pieces full truck	n°	**50**

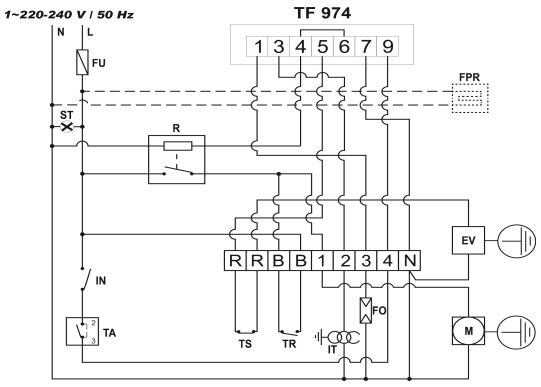
COMPONENTS

Pump	**Danfoss BFP - rotary with element filter**
Nozzle	**Danfoss 2,00 GPH 80º H**
Flame control	**Electronic board with separately transformer**
Igniter	**Bifilar electrodes**
Oil filter	**In line da 60 µm**
Overheat thermostat	**Series / N.C. until at 90ºC**
Post-ventilation thermostat	**Series**
Motor	**Asynchronous, monophase, with thermal protection, Clockwise rotation, 1650 g/1'**
Tank	**Steel sheet**
Ambient thermostat	**Predisposition for connecting an ambient thermostat**

ACCESSORIES

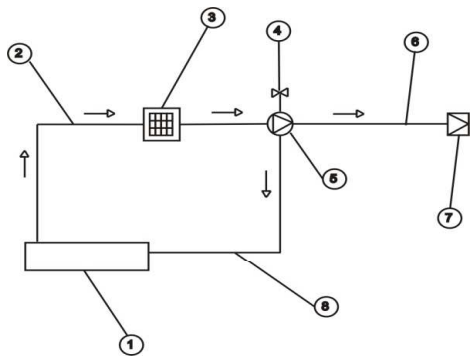
Ambient thermostat	**Thermostat TH5**
Filter pre-heating	**Predisposition for connecting a filter-preheating**

WIRING DIAGRAM



L	:	**Line**	FPR	:	**Filter pre-heatinh**
N	:	**Neutral**			
FU	:	**Fuse**	TR	:	**Cooling thermostat**
ST	:	**Power indicator**			
R	:	**Relay**	TS	:	**Overhaet thermostat**
M	:	**Motor**			
FO	:	**Photocell**	TF974	:	**Flame control**
IT	:	**Trasformer**	TA	:	**Ambient thermostat**
IG	:	**Elettrodes**			
IN	:	**Switch**	EV	:	**Electrovalve**

OIL DIAGRAM



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