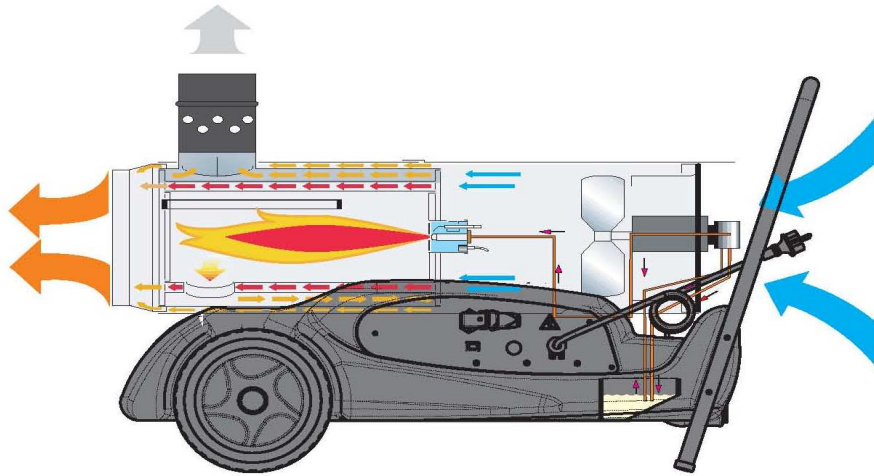# INDIRECT OIL HEATER

BV 77

MASTER

HEATER FUNCTIONING DIAGRAM

The indirect air heaters thanks a heat exchanger that enables to separate exhaust combustion gases from the heat released in the environment, so that it is possible to inject a flow of clean hot air in the area that needs to be heated and to discharge exhaust
fumes externally. The hot air generators is designed in compliance with current safety, performance and life standards, is fitted with safety devices confi gured to guarantee continuous operation, minimize noise and are manufactured in carefully selected materials that
ensure maximum reliability.

SPECIFICATION

Max Capacity	kW	**20**	Oil consumption	kg/h	**1,67**
	Kcal/h	**17200**			
	Btu/h	**68300**	Tank capacity	l	**36**
Combustible		Oil / Kerosene	Autonomy	h	**18**
Net weight	Kg	**32**	Tension	V	**220-240**
Gross weight	Kg	**36**	Frequency	Hz	**50**
Ø Fan	mm	**250**	Rated current	A	**1,5**
Ø Chimney flue	mm	**120**	Noise level	dBa	**73**
Performance	%	**84**	Pump pressure	bar	**12**
Airflow	m³/h	**1550**			

PACKING

| Packaging dimensions	mm	**1200 x 400 x 530**
Effective dimensions	mm	**1130 x 380 x 660**
Pieces for pallet	nº	**8**
Pieces full truck	nº	**264**

COMPONENTS

|	
Pump	Danfoss BFP - rotary with element filter
Nozzle	Danfoss 0,40 GPH 80º S
Flame control	Electronic board with transformer on board
Igniter	Bifilar electrodes
Oil filter	In line da 250 µm
Overheat thermostat	Series / N.C. until at 90ºC
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	Thermostat TH5
Hose flexible	Ø 305 - Lengh 7,6 m - first 2 meters are made high resistant material
Adaptor ring kit	Kit for hose flexible Ø 294 mm

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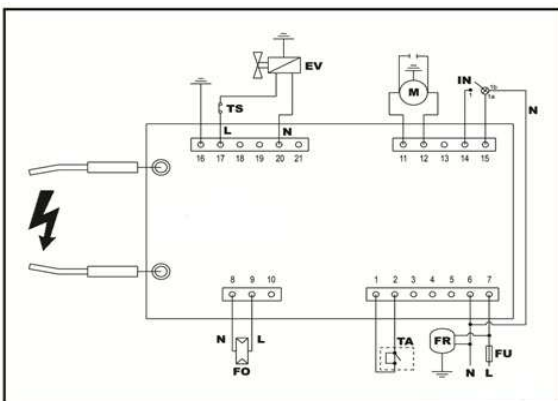
L	:	Line
N	:	Neutral
EV	:	Electrovalve
TS	:	Overheat thermostat
IN	:	Switch
FU	:	Fuse
M	:	Motor
FO	:	Photocell
TA	:	Ambient thermostat
FR	:	Network filter

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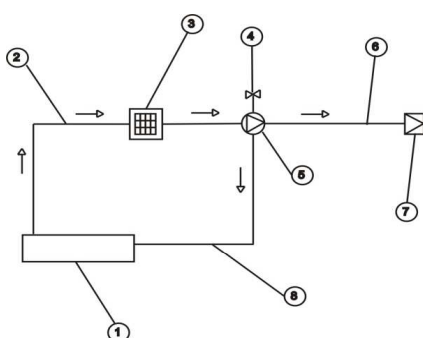
1	:	Tank
2	:	Oil pipe intake
3	:	Oil filter
4	:	Elctrovalve
5	:	Pump
6	:	Oil pipe supply
7	:	Nozzle
8	:	Oil return pipe