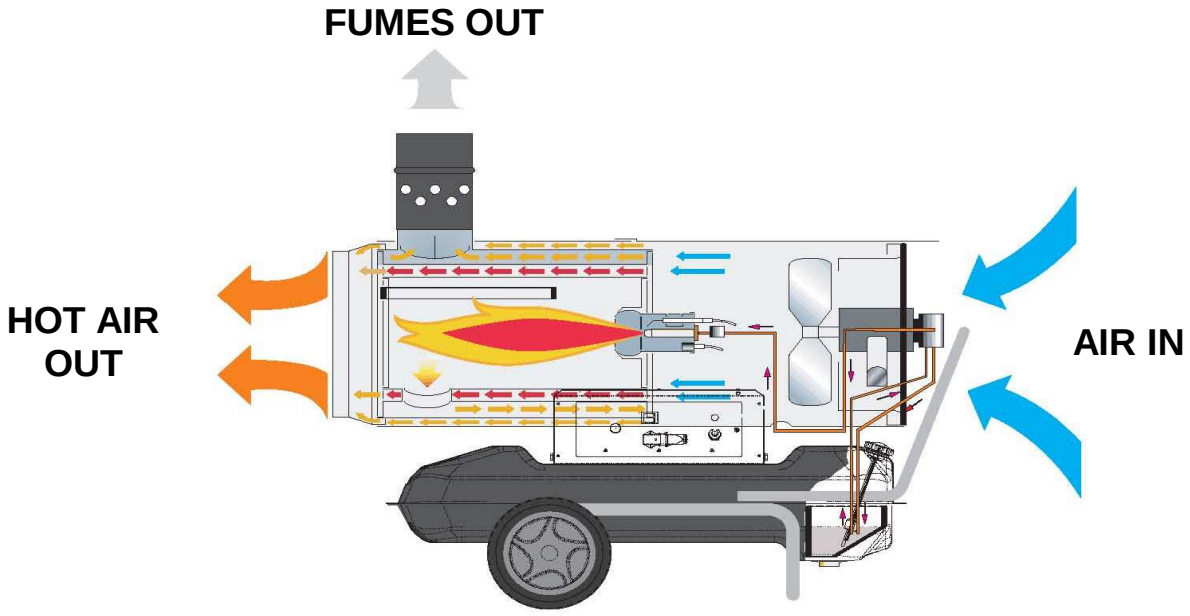
MCS®

DSH0010

INDIRECT HEATER

BV 290

HEATER FUNCTIONING DIAGRAM



Indirect oil heaters are highly efficient devices that provide large volume of 100% clean, dry and fume free warm air. They are best for places with limited ventilation like shops, event's tents, food preparation areas or exhibition halls. They can be used with flexible hoses that make the warm air be spread around easily.

SPECIFICATION

Power	btu/h	259000	Fuel consumption	gal/h	2,0
			Tank capacity	U.S. gal	27.7
Combustible		Diesel / Kerosene	Autonomy	h	12
Net weight	lb	222	Tension	V	110-120
Gross weight	lb	271	Frequency	Hz	60
Ø Fan	in	19,7	Rated current	A	11.4
Ø Chimney flue	in	6	Electric power	kW	1.5
Performance	%	84	Noise level	dBa	78
Airflow	cfm	1950	Pump pressure	PSI	174

PACKAGING

Packaging dimensions	in	66 x 30 x 47
Effective dimensions	in	63 x 28 x 37
Pieces for pallet	n°	1
Pieces full truck	n°	50

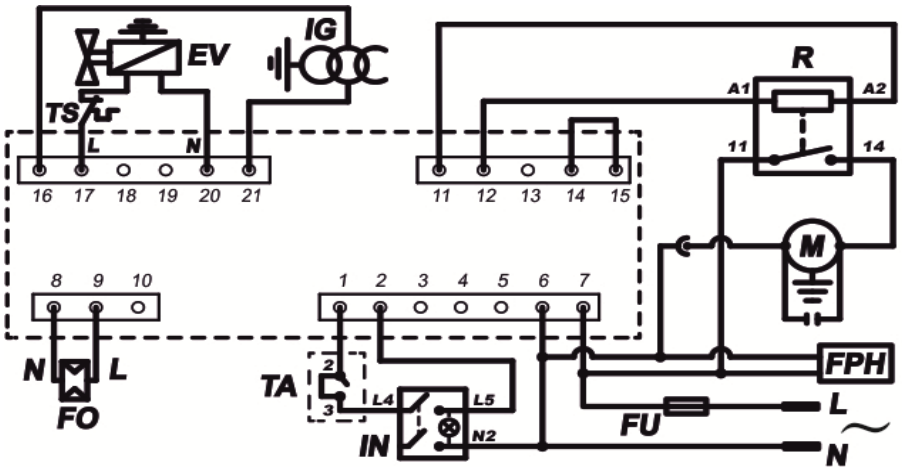
COMPONENTS

Pump	**Danfoss BFP - rotary with element filter**
Nozzle	**1,5 GPH 80°S**
Flame control	**Electronic board and separately transformer**
Igniter	**Bifilar electrodes**
Oil filter	**In line da 230 mesh**
Overheat thermostat	**Yes / N.C. until at 90°C**
Motor	**Asynchronous, monophase, with thermal protection, Counterclockwise rotation, 1600 rpm**
Tank	**Material steel sheetmetal**
Ambient thermostat	**Predisposition for connection of room thermostat**

ACCESSORIES

Ambient thermostat	**Thermostat TH5**
Hose flexible	**Yes**
Adaptor ring kit	**Yes**
Filter pre-heating	**Predisposition for connection of pre-heating filter**

WIRING DIAGRAM

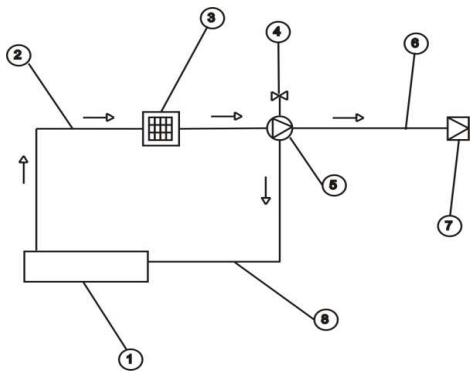


FO: Photoresistance
TA: Ambient thermostat
IG: Transformer
FPH: Pre-heating filter

M: Motor
R: Relay
IN: Switch
FU: Fuse

EV: Electric valve
TS: Overheat thermost.
N: Neutral
L: Line

FUEL DIAGRAM



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