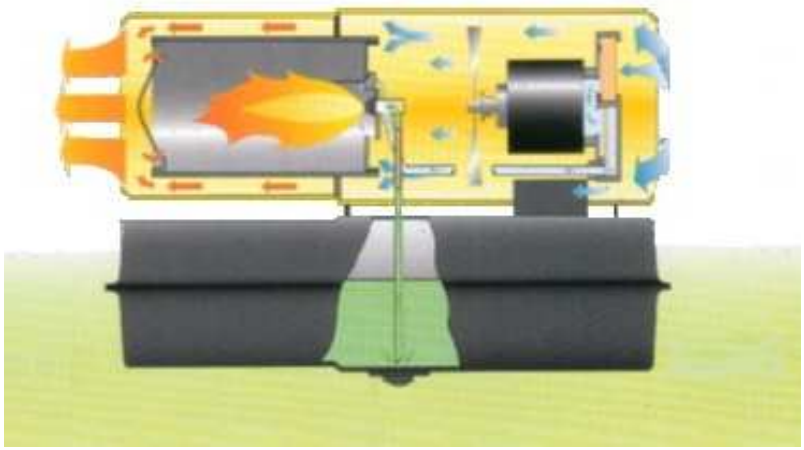
MASTER®
CLIMATE SOLUTIONS

DSH00001

DIRECT OIL HEATER

B35

FUNCTIONING PRINCIPLES



The compressor started by the motor compresses the air, whic through the atomising nozzle, sucks up yhe fuel from the tank due to "VENTURI EFFECT". On contact with the igniter, the atmomised fuel ignites inside the combustion chamber. The combustion product mixed with the flow of room air generated by the rotation of the fan and pushed towards the outside of the generator. A photoresitance, connected to the circuit board, constantly checks the correct functioning of the generator, stopping the cycle i nthe event of anomalies.

TECHINICAL DATA

Max capacity	kW Kcal/h Btu/h	**10** **8600** **34200**	Fuel consuption	kg/h	**0,8**
			Tank capacity	l	**15**
Combustible	Oil / Kerosene		Autonomy	h	**16**
Net weight	Kg	**17**	Power supply	V	**220-240**
Gross weight	Kg	**19**	Frequency	Hz	**50**
Noisy	dBa	**70**	Rated current	A	**0,35**
Air displacement	m³/h	**280**			

PACKING

Dimensions packing	mm	**810 x 350 x 450**
Dimensions utilization	mm	**745 x 300 x 405**
Pieces for Europallet	n°	**15**
Pieces full truck	n°	**495**

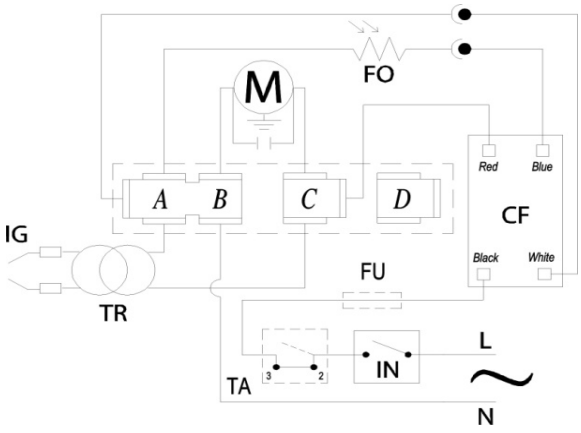
COMPONENTS

Pump	**Rotor with blade**
Nozzle	**Special nozzle for VENTURI EFFECTS**
Flame control	**Electronic board**
Igniter	**Bifilar elctrodes**
Oil filter	**In the oil line by 250 µm**
Motor	**Asynchronous, monophase, with thermal protection, clockwise rotation, 1400 g/1'**
Tank	**Material plated**
Ambient thermostat	**Predisposed for connection to ambient thermostat**

ACCESSORIES

Ambient thermostat	**Thermostat TH5**

WIRING DIAGRAM



L	:	**Line**
N	:	**Neutral**
TA	:	**Ambient Thermostat**
TR	:	**Trasformatore**
IG	:	**Ignitor**
FU	:	**Fuse**
CF	:	**Flame control**
FO	:	**Photocellul**
M	:	**Motor**