

DSH1009

ELECTRIC AIR HEATER

B18 EPR



DSH1009 PB Emissione 2012-09-18 MCZ Rev. E 2015-04-16



FUNCTIONING PRINCIPLES



The device works on the principle of forced convection. The air flow is forced by a fan. Cold air is sucked from the back of the unit. The resistances heat the air. The heated air is expelled from the front of the heater. The unit is equipped with thermal protection with reset and a cooling thermostat. Switch positions: ventilation, heating with half power, heating at full power.

TECHNICAL DATA							
Max capacity	kW Kcal/h	18 15487		Power supply	V	400V	
	Btu/h	61418		Frequency	Hz	50	
Power source	Elec	Electrical energy		Rated current	Α	26	
Net weight	kg	27,5					
Gross weight	kg	29,3					
Noise level	dB(A)	73					
Air displacement	m³/h	1700					

PACKAGING				
Packaging dimensions	mm	600x400x460		
Device dimensions	mm	700x490x530		
Pieces for Euro-pallet	n°	16		
Pieces per truck 80m ³	n°	528		

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COMPONENTS

Heating elements

3000W

Temperature limiter

With capillary

Fan

Ø300mm

Thermal protection

80°C

Cooling thermostat

60°C

Thermostat connector

TH5

Contactor

4kW

Motor

Asynchronous, monophase, with thermal protection, counterclockwise rotation, 2300rpm

ACCESSORIES

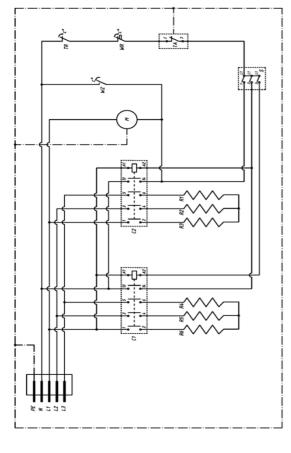
Room thermostat Supply conductor Supply conductor Hot air hoses **Thermostat TH5**

5m

10m

Hoses Ø305

WIRING DIAGRAM



Switch's diagram

7 0 1 2 3 P - possitions knob

1.1.1 0 0 0 T - ferminds

1.1.2 0 0 0 0 - oper fermind

1.1.3 0 0 0 0 0 - oper fermind

1 motor and automatical thermal cul-out R - automatical thermal cul-out with manual reset R - thermal cul-out with manual reset R - overheaf sensor A - ambient thermostal socket 1; 22 - contactor 1; RR 85, R6 - hearing element

M

Rev. E

MCZ

L1 : Phase
L2 : Phase
L3 : Phase
N : Neutral
PE : Ground
WR : Thermal

WR Thermal cut-out WZ Owerheat sensor R1 **Heating element** R2 **Heating element** R3 **Heating element** R4 **Heating element** R5 **Heating element** R6 **Heating element** TA **Thermostat** TR **Thermostat** C1 Contactor C2 Contactor S **Switch**

Motor

2015-04-16

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