

Electric Air Duct Heaters, model ET-VZT

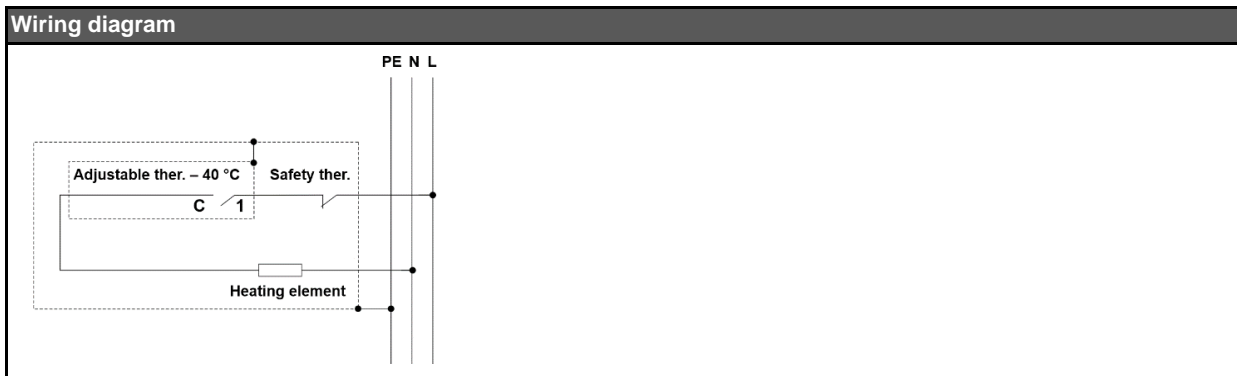


Main Features	
Description	This Electric Air Duct Heater is designed to preheat incoming air and prevent heat exchanger icing in HRV applications. The heater case contains an adjustable thermostat, a safety thermostat with automatic reset and a heating element with wiring harness.
Working Substance	Air
Installation	The heater shall be installed downstream of an air intake, before the unit inlet, respect the flow direction marked on the body of the heater
Code	14059 – ET-VZT-0,4-125 14796 –ET-VZT-0,6-150

Technical data	
Ambient temperature range	-5 °C to 30 °C
Air temperature in duct downstream of the heater	max. 30 °C <i>(limited bay safety thermostat)</i>
Adjust. thermostat temperature adjustment range	0 – 10 °C <i>(factory adjusted)</i>
Adjust. thermostat total temperature adjustment range	0 – 40 °C
Adjust. thermostat temperature adjustment tolerance	± 3 °C
Adjust. Thermostat ON/OFF temperature difference	1,5 °C ± 1 °C
Safety Thermostat Switch-off temp.	30°C
Safety Thermostat Switch-on temp.	15 °C
Safety Thermostat tolerance	+/- 3°C

Electrical data	
Power supply	230 V 50 Hz
Power input	400 W (code 14059) 600 W (code 14796)
Current	1,7 A (code 14059) 2,6 A (code 14796)
Power supply cable cross section	3 x 0,75 mm ²
Power supply cable length	3 m
Power supply cable grommet	Pg9
IP rating by EN 60529	IP20
Protection class by EN 61140	I
Electromagnetic compatibility (EMC)	by EN 50130-4

Materials	
Heater case and wiring box	zinc-plated sheet steel
Heating element	stainless steel
Power cable	PVC



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Dimensions

Dimension	code 14059	code 14796
A [mm]	125	150
B [mm]	258	258
C [mm]	213	238
D [mm]	136	148
E [mm]	151	163

Application area at outgoing air temp. of + 5°C

ET-VZT-0,4-125 (code 14059)

outdoor temp. = 0°C:
application area up to 220 m³/h (Sentinel Kinetic B 90%)

outdoor temp. = -5 °C:
application area up to 115 m³/h (Sentinel Kinetic B 55%)

outdoor temp. = -10 °C:
application area up to 75 m³/h (Sentinel Kinetic B 40%)

ET-VZT-0,6-150 (code 14796)

outdoor temp. = 0°C:
application area up to 880 m³/h

outdoor temp. = -5 °C:
applic. area up to 250 m³/h (Sentinel Kinetic B Plus 70%)

outdoor temp. = -10 °C:
applic. area up to 150 m³/h (Sentinel Kinetic B Plus 45%)