

PELTIER-COOLING

ST-H 3050 / ST-A 3050



- ▶ Thermoelectric coolers
- ▶ Cooling without refrigerant
- ▶ Robust and reliable stainless steel design
- ▶ Flexible installation
- ▶ Protection type IP66 / UL Type 12, 4, 4X
- ▶ Maintenance-free
- ▶ Suitable for indoor and outdoor applications
- ▶ Accessories for condensate drainage and control systems available



Our ST series offers powerful Peltier cooling units for industrial applications. The units operate using the thermoelectric Peltier effect and do not require environmentally harmful refrigerants. They can be flexibly mounted – either recessed or Wall-mounted – and fit into many different housing designs. The power ranges from 30 watts to 800 watts, ideal for applications of various sizes, from control enclosures to switch cabinets. Even under harsh conditions such as dusty or oily air and at temperatures between -20°C and $+70^{\circ}\text{C}$, they ensure reliable operation. The robust design and IP66 protection class enable use both indoors and outdoors.

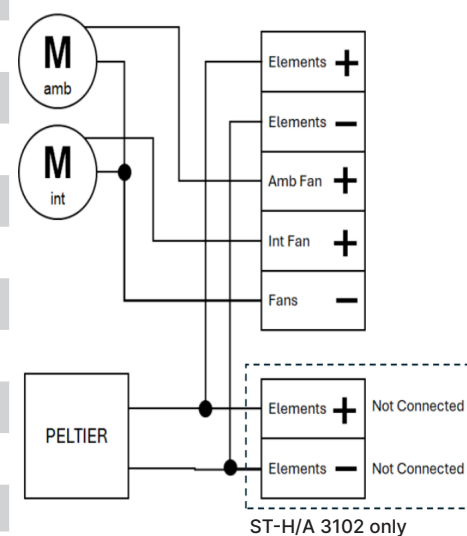
Note: Depending on the installation situation, condensate management must be taken into account separately and adjusted if necessary to ensure proper functioning.

TECHNICAL DATA

Art.-No.	920001	920101
Voltage	24V DC	
Inrush current	3,7A	
Operating current	2,4A	
Cooling capacity L35 L35	50W	
Nominal power	58W	
Recommended fuse	4A (T)	
Air flow volume (system / unimpeded)	Ambient air circuit: 64 / 170m ³ /h Cabinet air circuit: 23 / 72m ³ /h	
Protection type	IP66 / UL Type 12, 4, 4X	
Type of connection	Connection terminal block	
Operating temperature range	-20°C bis $+70^{\circ}\text{C}$	
UL temperature range	-20°C bis $+65^{\circ}\text{C}$	
Storage temperature	-40°C bis $+70^{\circ}\text{C}$	
Mounting connection	Recessed	Wall mounted (with frame)
Dimensions (AxBxC (D+E))	200×154×138 (65+73)mm	302×158×141mm
Weight	3,3kg	3,9kg
Cut out dimensions	170×120mm	270×130mm
Housing material ¹	Stainless steel AISI 304 (V2A)	
Certifications	CE, UKCA, cURus	

(1) Part number for stainless steel version (AISI 316 (V4A)) available on request.

WIRING DIAGRAM

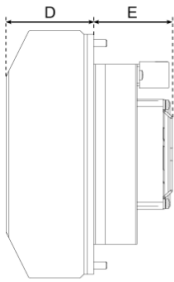
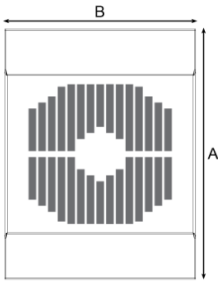


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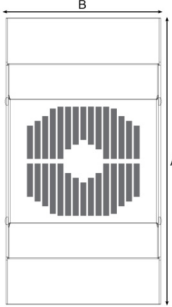
The information on this datasheet contains descriptions and performance characteristics that may not always apply in the specific use case described or may change due to product development. The desired performance characteristics are only binding if expressly agreed upon at the time of contract conclusion. The mentioned technical data has been determined under laboratory conditions according to generally accepted testing procedures. Only to this extent are properties assured. The examination of suitability for the intended purpose or use under operating conditions lies with the customer. We do not provide any warranty for this. Errors, availability, and technical changes are subject to change without notice.

**TECHNICAL DRAWING
(SPECIFICATION IN MM)**

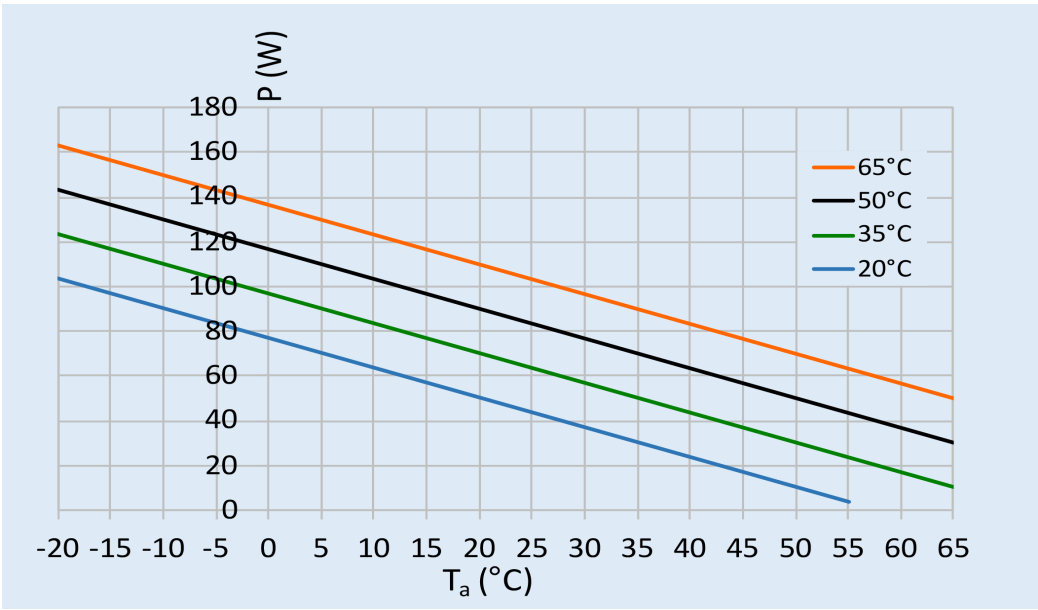
**Recessed-Version
920001**







**Wall mounted-Version
920101**



PERFORMANCE GRAPH



ACCESSORIES:

Art.-Nr.	Bezeichnung	Abbildung
920814	Peltier Condensat kit for ST3030/3035/3050	
960000	Condensation drain socket IP66	
940901	Door contact switch with installation plate	
910018	Electronic change-over thermostat / sensor	

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