



## ***Thermoelectric conditioner – Thermoelectric indoor assembly TA-AA-250-AC***



### ***Features***

- *Low current consumption.*
- *low noise pressure.*
- *Compact design.*
- *Small weight.*
- *Precise temperature control.*
- *Ease of installation and connection.*
- *AC power 230V 50Hz.*
- *Various positioning in space.*
- *Environmentally friendly solid state heat exchange operation with no CFC refrigerants.*

*The use of this air conditioner can be very varied. The most promising of applications are:*

- *Cabinets with process control systems*
- *Server cabinets*
- *Cabinets with electronic or electrical systems*
- *Vending machines selling food, beverages and flowers*
- *Beverage dispensers*
- *Storage chamber with cooled cells*
- *Cooling of medical narcotics storage safe*
- *Temperature-stabilized chambers for the cultivation of biological substances*
- *Controlled environment chamber*



	Technical features
Compact dimensions*	<b>400x180x215 mm</b>
Weight*	<b>9 kg</b>
Ecological	<b>not use harmful refrigerant chemicals</b>
Free orientation in the space	<b>have the capability of installation on horizontal and vertical surfaces</b>
The possibility of mounting on the wall type "sandwich"	<b>wall thickness up to 25 mm</b>
AC power supply	<b>230V (50-60Hz)</b>
Max Wt. of consumption	<b>330 W</b>
Min Wt. of consumption	<b>8 W</b>
Max cooling capacity	<b>257 W at dT=0° C</b>
LCD display of temperature controller	<b>11-segment displays used for PV (measured value temperature) and SV (setting value temperature)</b>
Control method	<b>On/Off control, P, PI, PD, PID control</b>
Hysteresis	<b>0.1 – 999 C</b>
Sampling period	<b>50 ms.</b>
Internal "intelligence" of the outdoor fan	<b>Smooth adjustment of the speed from 4000 rpm to 0 rpm by PID control mode</b>
Sound pressure level max.	<b>63,0 dB(A) distance 1m</b>
Sound pressure level min.	<b>23,0 dB(A) distance 1m</b>
Communication output USB **	<b>Yes. RS485 (Modbus RTU method) 1.2 km</b>
Communication output Wi-Fi **	<b>Yes. 100 m</b>
Availability of a comprehensive device management program	<b>DAQ Master</b>
Operation system	<b>Windows 98, 98SE, ME, 2000, Server 2003, XP, Vista, Windows 7, Windows 8, Windows 10</b>
Localization of the controller **	<b>Inside or outside</b>
Localization of the 230 VACD cable connection point **	<b>Inside or outside</b>
Localization of the USB connector of the RS 485 connection **	<b>Inside or outside</b>
Localization of the On / Off button **	<b>Inside or outside</b>
Localization of the RS 485 / Wi-Fi toggle **	<b>Inside or outside</b>

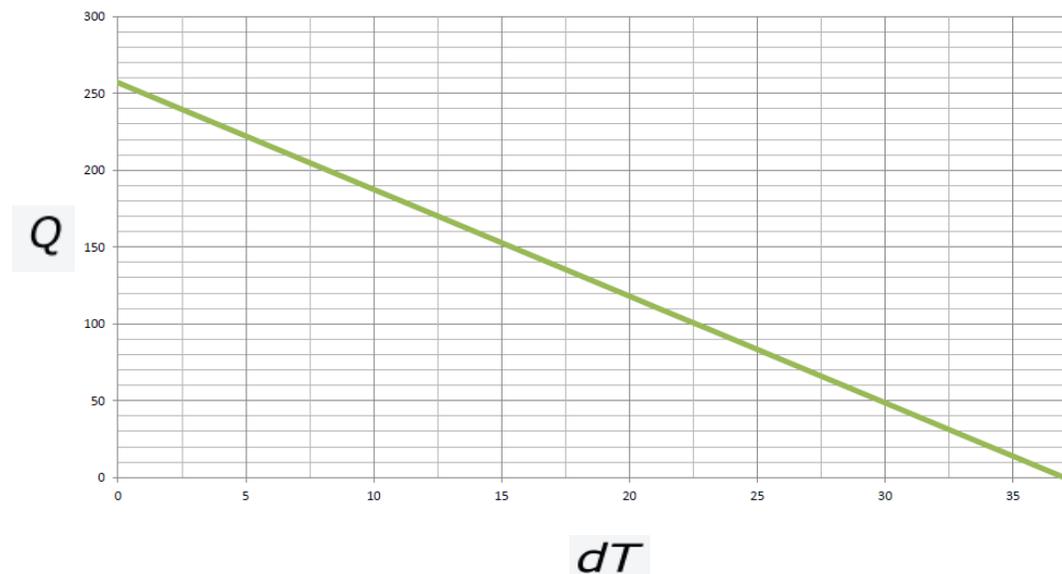
\* without protective shroud

\*\* optional feature

**NOTE!** A method of transferring heat - forced convection.

Not recommended to reduce airflow external and internal side.

## Performance Q[dT]

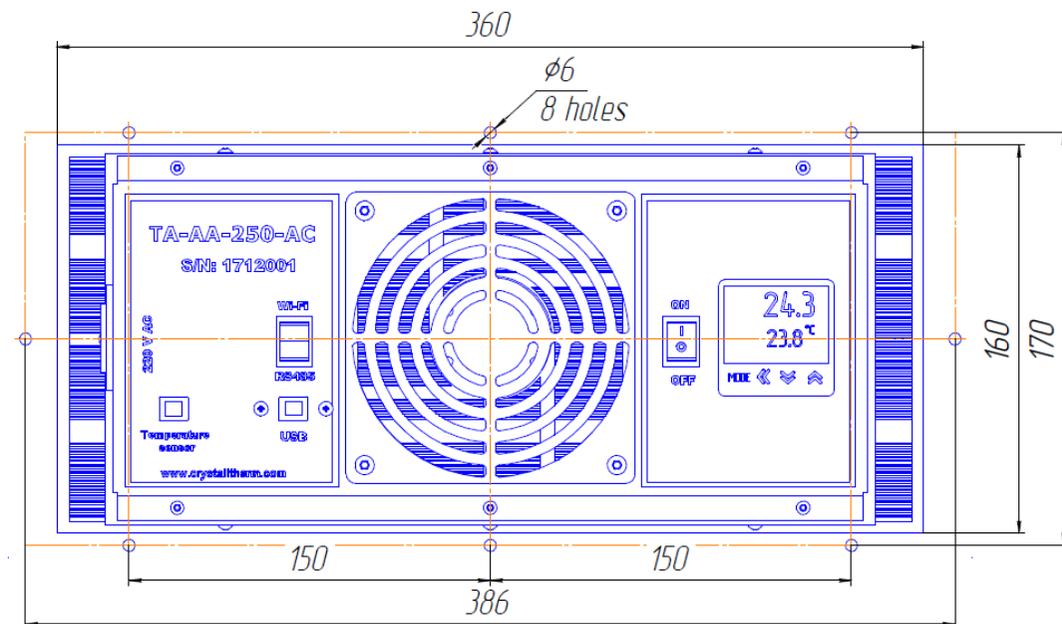


$$dT^{\circ}\text{C} = T^{\circ}\text{ambient} - T^{\circ}\text{internal}$$

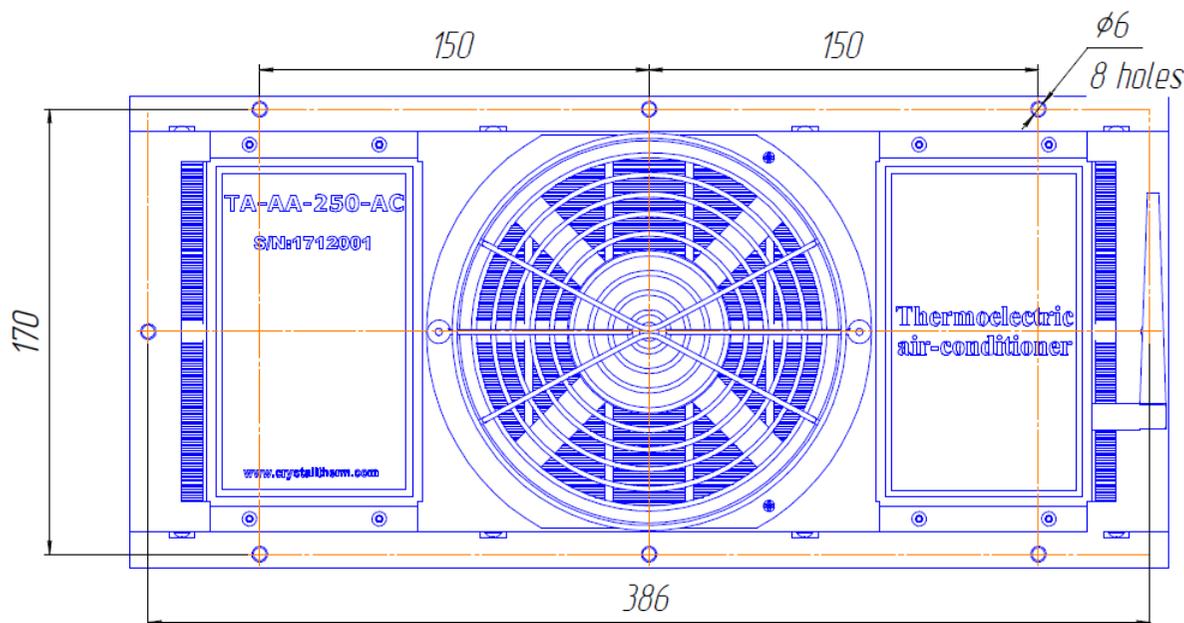
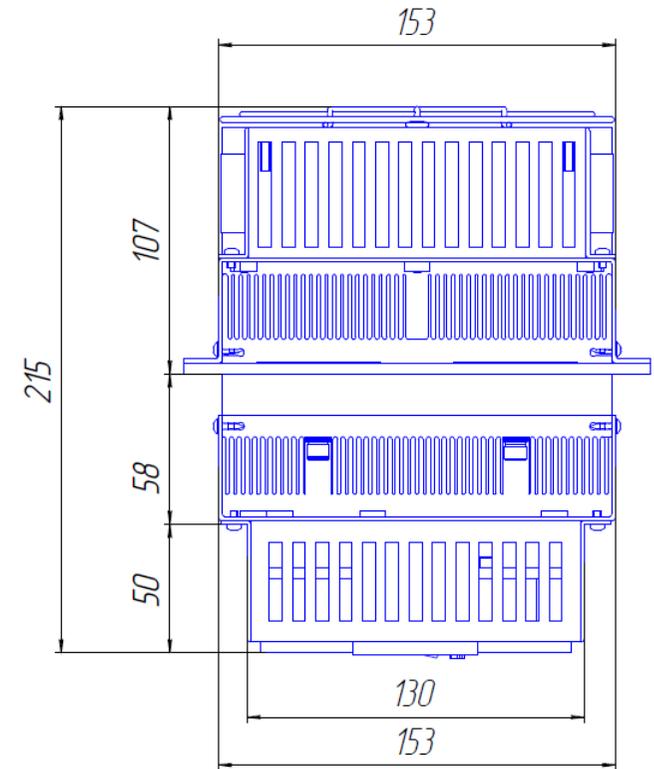
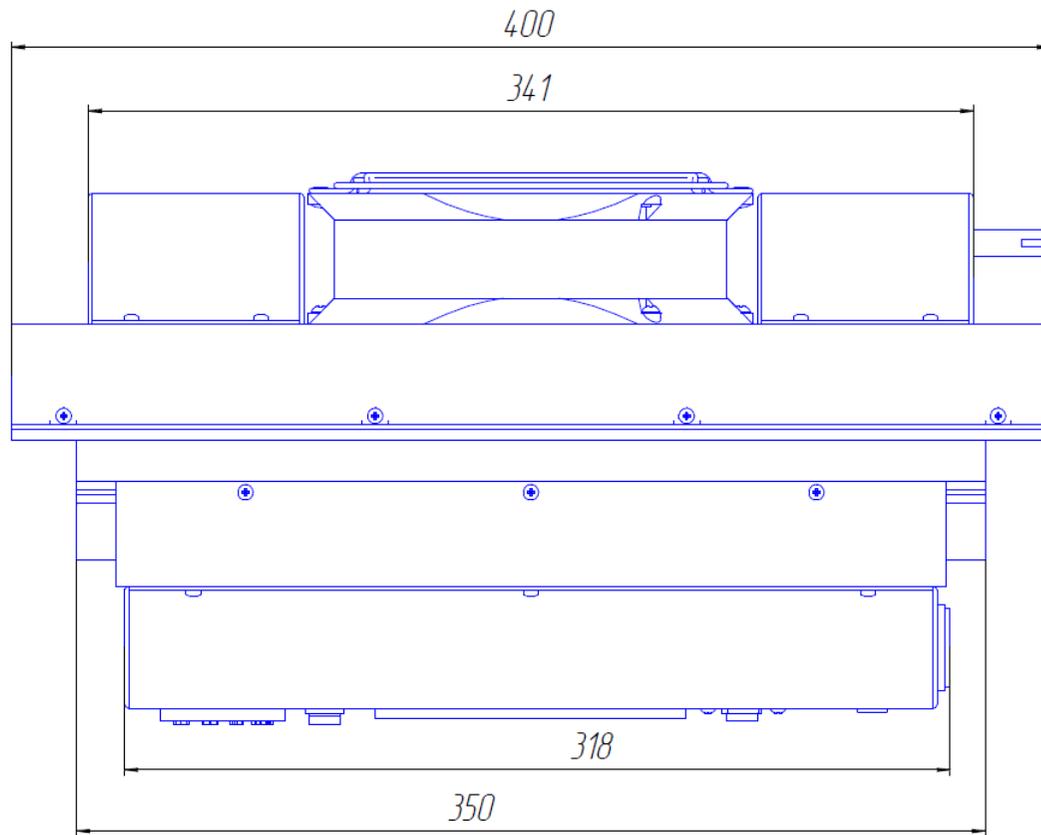
Q - cooling capacity, W.

for ambient temperature +35 ° C and rated voltage

## MOUNTING SCHEME



*Dimensions of the assembly*



Contact us for more information  
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