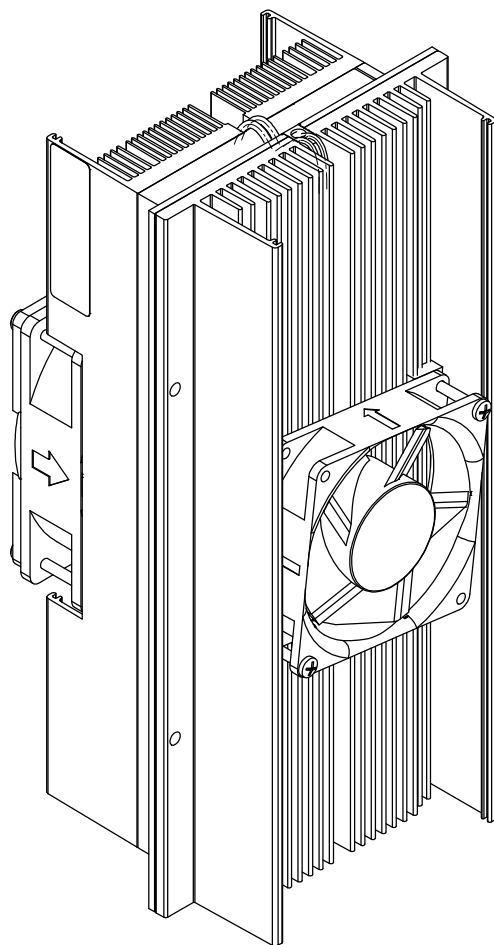
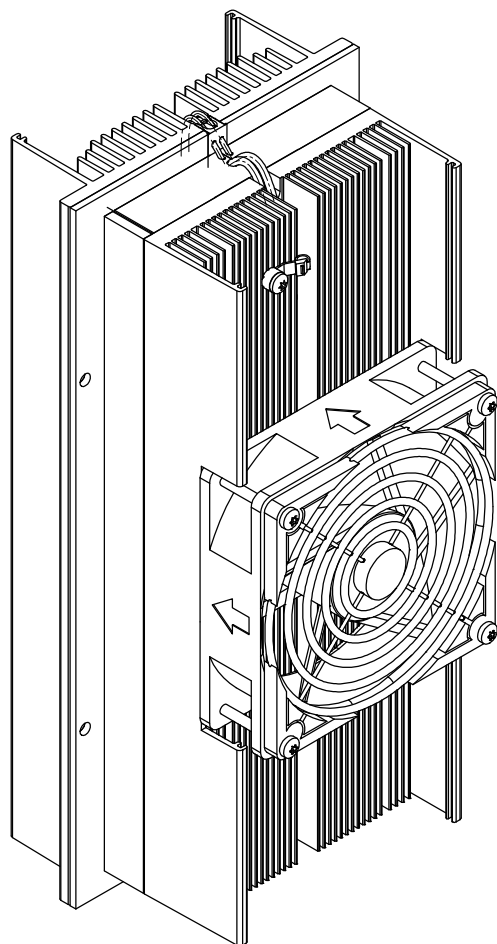




Description:	Code:	Specification: (Ta=35°C, dT=0°C)
Heat transfer, cold side:	A	Air
Heat transfer, warm side:	A	Air
Cooling power: [W]	091	91W nominal (see sheet 4) without fan finger guard on hot side and cold side
TEA Voltage, nominal: [VDC]	24	24 VDC
TEM Voltage: [VDC]		Nominal: 24 VDC (Max: 30 VDC)
TEM Current: [A]		Nominal: 6.5 A, Initial: 8.8 A (Tolerance: ±10%)
Fan(s), cold side:	1	Nominal current: 0.15 A, Voltage range 12 - 27.6 VDC, L10: 40,000 hrs. at 60°C, IP55 or higher
Fan(s), warm side:	2	Nominal current: 0.21 A, Voltage: 24 VDC ±10%, L10: 50,000 hrs. at 25°C
Overheating thermostat:		75°C ±5°C on hot side, 100°C cold side foamed inside
Operating temperature:		Max 70°C on cold side at nominal voltage.
Operating temperature range:		-10°C -> 55°C on ambient (passive) side
TE-Module(s) temperature specification:		Max surface temperature: 100°C

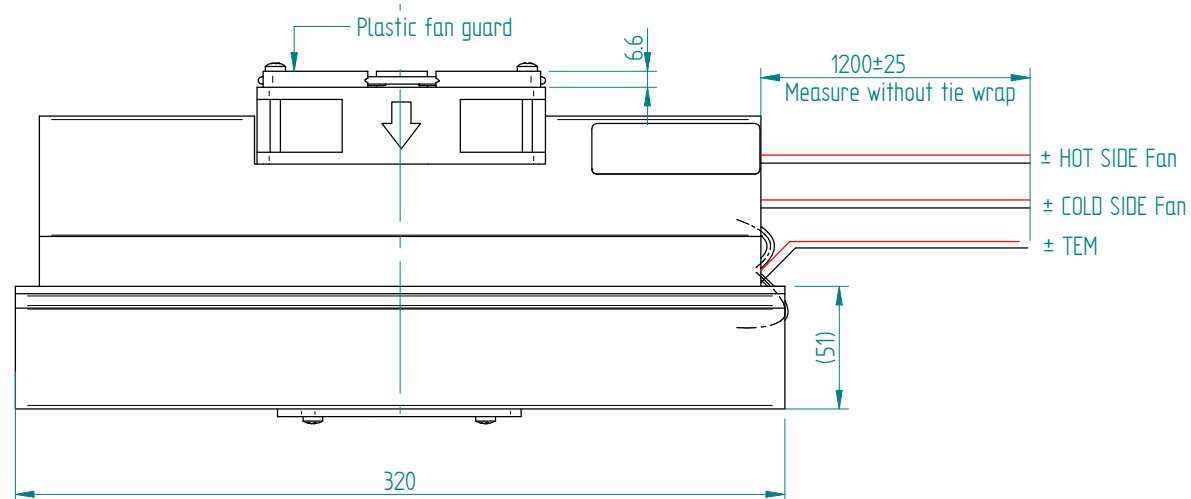
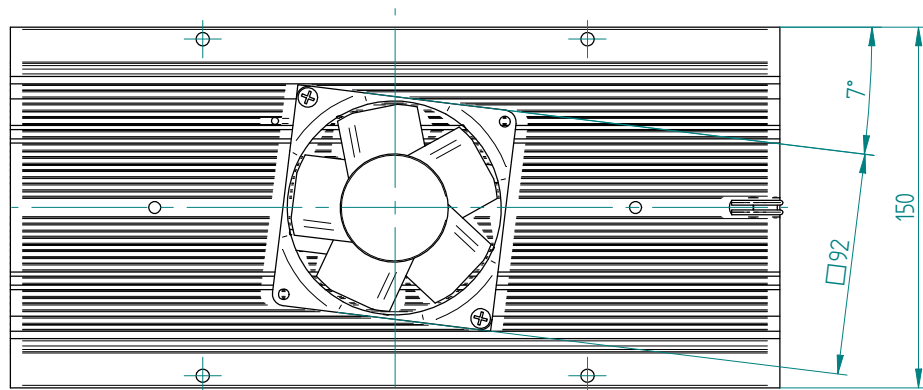
Nominal Power draw without tolerance at 24VDC, Ta=35°C.

TEM Initia2: 211 W

TEM Nomina2: 156 W

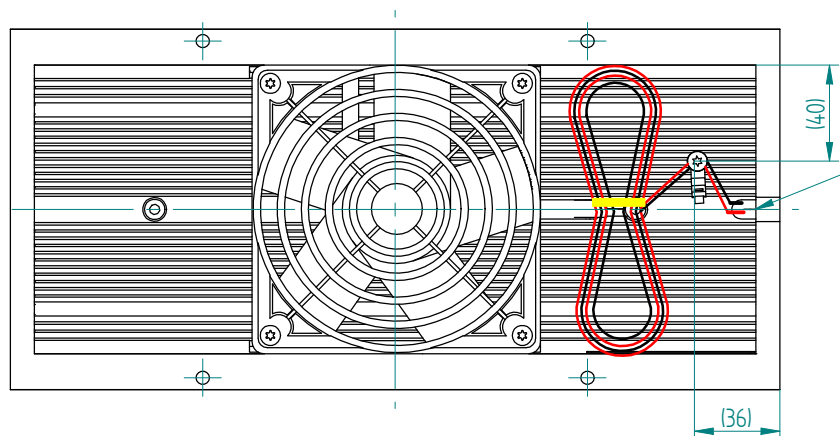
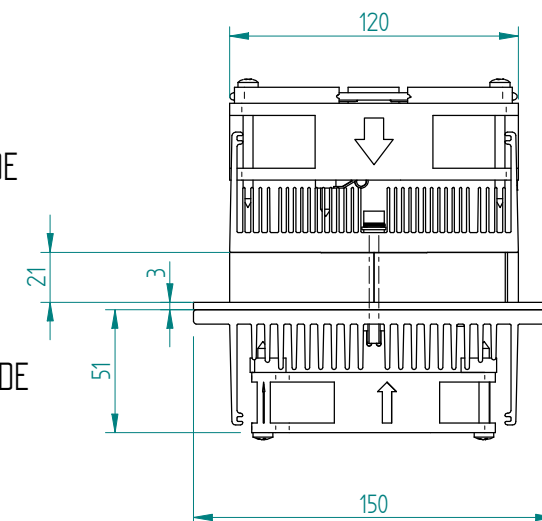
Fan Interna2: 3.6 W

Fan Externa2: 5 W



HOT SIDE

COLD SIDE



1. Wires are pressed into cavity of hot heat sink
2. Fix wires with tie wrap

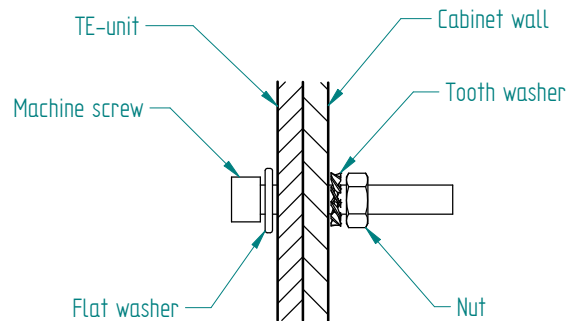
Installation and Service manual

Installation:

1. The TE assembly must be mounted in a cabinet with "Hot side" mounted externally.
2. Suitable cabinet cutout is **302x122** mm.
3. Recommended for general purposes: the TE assembly should be fastened according to picture below so that the gasket material will seal off around the flange of the assembly.
4. Note that condensation may occur. Standing water on the heat sink should be avoided and drip tray may be required.
5. The TE assembly must be protected from external force or violence.
6. The power line to the assembly needs to be protected by a fuse. The fuse rating should be of at least the nominal current of the assembly. It must withstand 150% of rated current for at least 60 seconds.
This is valid at $T_a=35^{\circ}\text{C}$. Fuse ratings for other ambient temperatures ($x^{\circ}\text{C}$) can be calculated with the formula $I[x^{\circ}\text{C}]=I[35^{\circ}\text{C}]/(1+0.005*(x-35))$.
This is valid when regulating with an ON/OFF regulation. At rapid temperature cycling where this is applicable, there can be need for even higher fuse ratings.
7. Max ripple on supplied power =5%.
8. Switching power to TEM:s at frequencies between 0.01 Hz to 5 kHz will render premature failure of modules and must be avoided.

Service:

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function. The interval may vary depending on environment.



$\phi 5.5$ (4x)
MOUNTING HOLES

