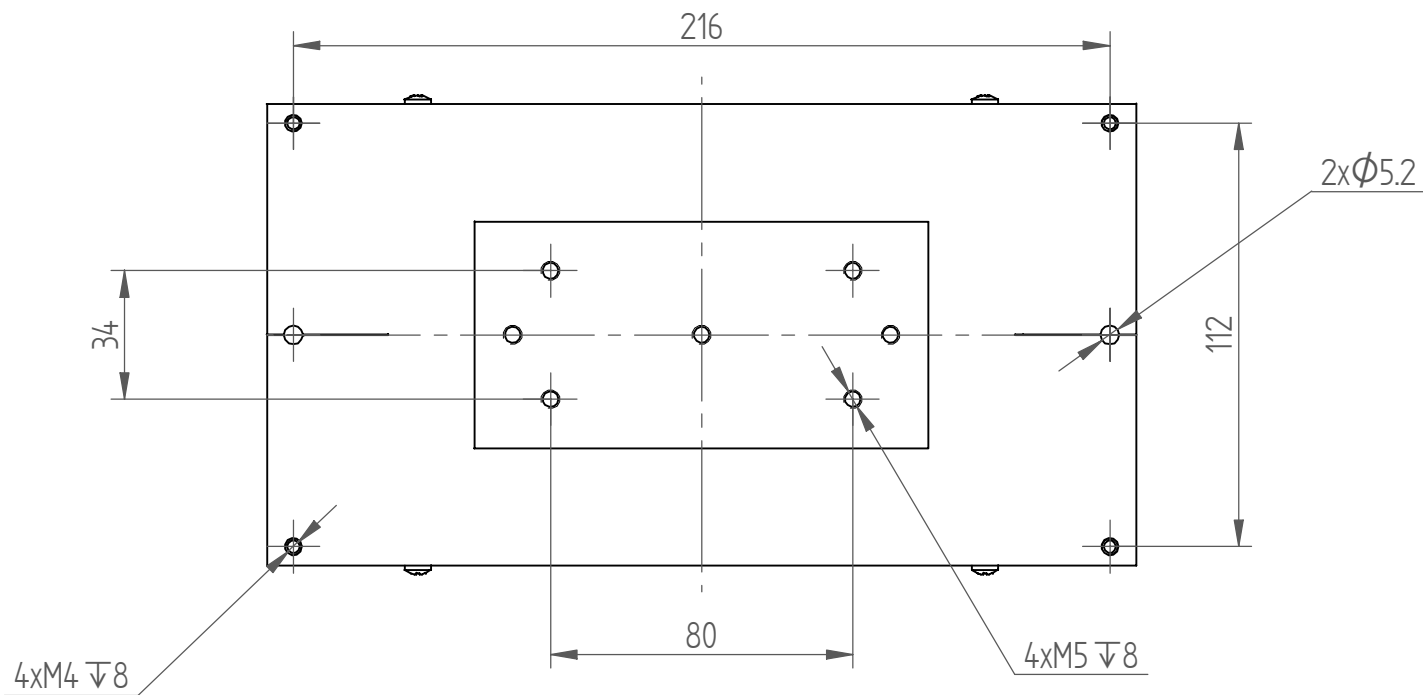

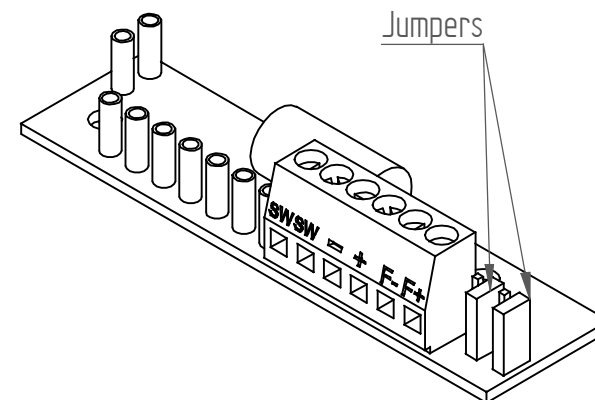
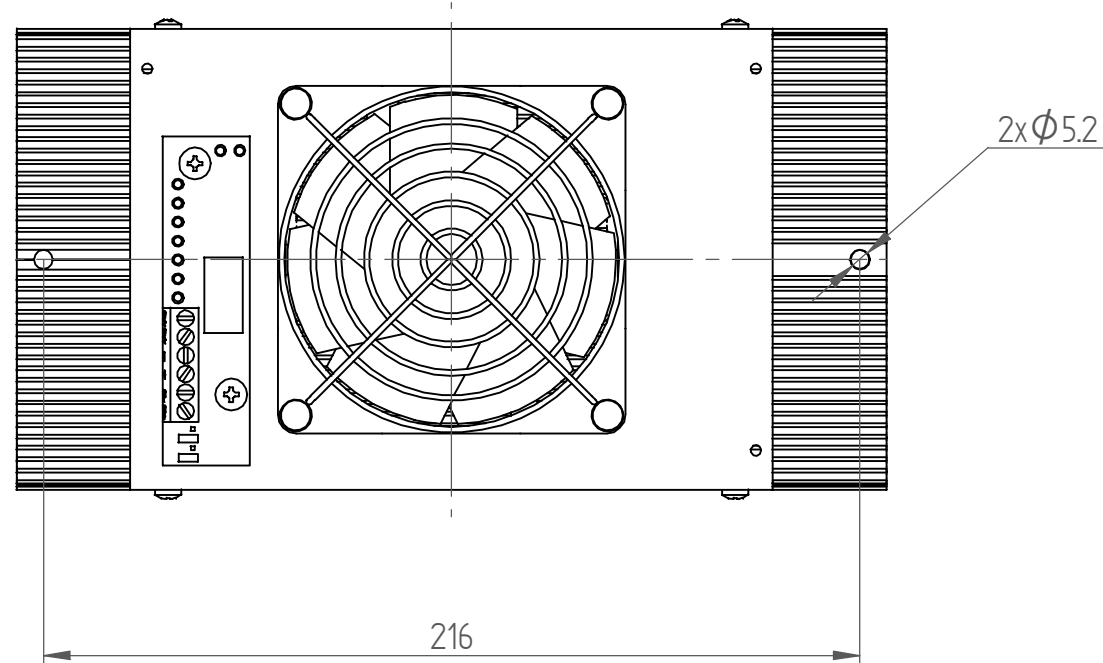
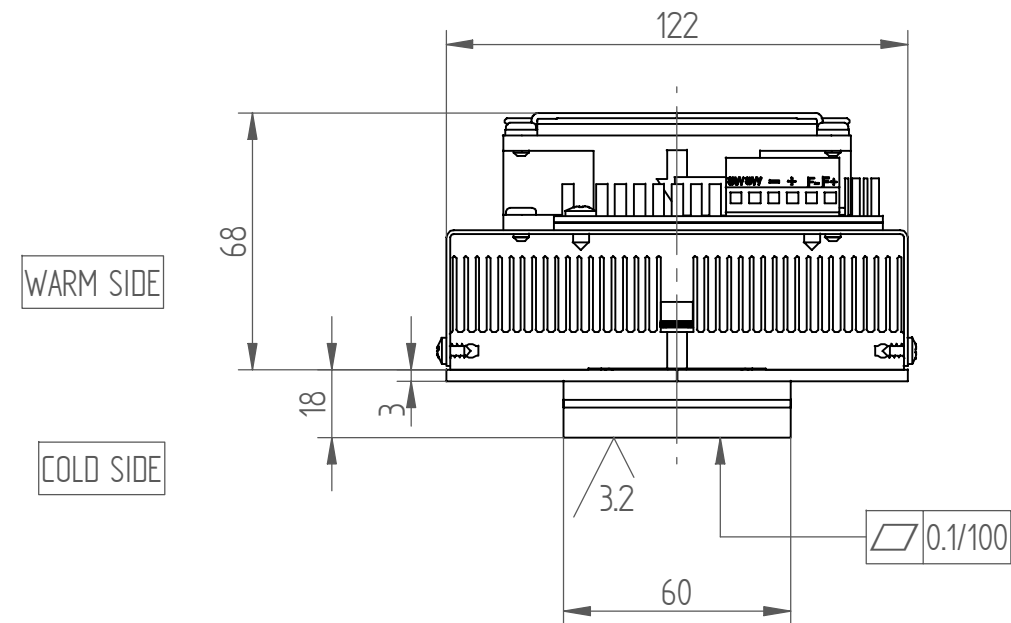
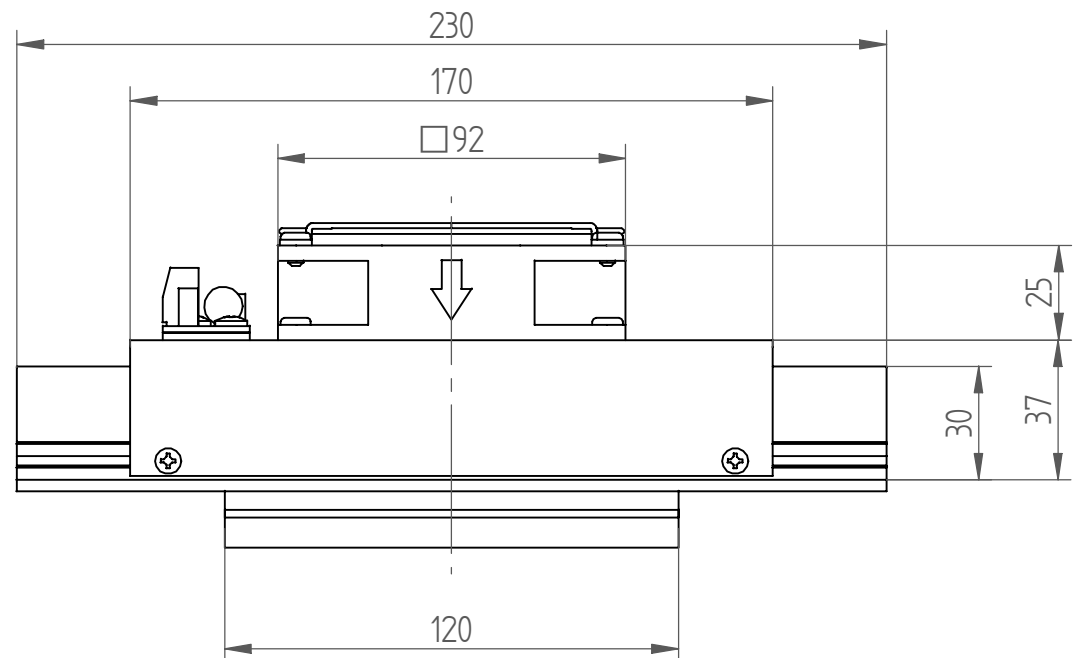


| Specification: (Ta=32°C) | | Code: | Description: |
|---|--|---|---|
| Heat transfer, cold side: | | D | Direct |
| Heat transfer, warm side: | | A | Air |
| Cascade: | | - | |
| Cooling power: [W] | | 75 | 71 W at dT=0°C. Tolerance: ±10%. |
| Voltage, nominal: [VDC] | | 24 | 24 VDC. |
| TEM Voltage: [VDC] | | Nominal: 24 VDC, Max: 30 VDC. | |
| TEM Current: [A] | | Nominal: 3.7 A, Initial: 4.5 A. All at dT=0°C. Tolerance: ±10%. | |
| Fan(s), cold side: | | 0 | None. |
| Fan(s), warm side: | | 2 | MTBF: 50,000 hrs. L10 at 25°C. Nominal current: 0.21 A. Voltage: 24 VDC ±10%. |
| Temperature controller, sensor: | | 0 | None. |
| Temperature control settings, trim options: | | 0 | - |
| Additional controller information: | | | |
| Temperature control position: | | 0 | - |
| Options: | | 0 | - |
| Weight: | | 17 kg | |
| Overheating thermostat: | | 75°C ±5°C on hot side heat sink surface. | |
| Operating temperature: | | -10°C to +49°C at nominal voltage. | |
| TE-Module(s) temperature specification: | | Max. surface temperature: 80°C. | |
| Enclosed: | | Thermally conductive grease | |
| Packing: | | Individual cardboard box. | |

Mounting hole print.



| | | | | | |
|--|-------------------------------|--|---------------------------|--|---------------|
| Comments / deviations: Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. | | | | General tolerances: SS-ISO 2768-1 c | |
| Designed by: Pavel Cech | Approved by: Hans Lindberg | Release date: 20041109 | Customer: Supercool AB | Project: HDPC | |
|  Supercool® | | Title: TE ASSEMBLY 24VDC DIRECT – AIR | | | |
| | | Part nr: DA-075-24-02-00-00 | Rev. nr: 2 | Status: 0 | Scale: 1:2 |




Electrical connections:

"+" : + TEM
 "-" : - TEM
 "F+" : + Fan(s)
 "F-" : - Fan(s)

To use single supply:
 Lift the jumpers and rotate 90° to short-cut the pin pairs.
 Connect the unit to "+" & "-".

Warning: Single supply not applicable in heating mode or with PWM-regulation.

| | | | | | |
|---|-------------------------------|--|---------------------------|--|------------------|
| Comments / deviations: Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. | | | | General tolerances: SS-ISO 2768-1 c | |
| Designed by: Pavel Cech | Approved by: Hans Lindberg | Release date: 20041109 | Customer: Supercool AB | | Project: HDPC |
|  Supercool AB Box 27, S-40120 Göteborg, Sweden tfn: +46 31 420530, fax: +46 31 247909 e-mail: info@supercool.se Web: www.supercool.se | | Title: TE ASSEMBLY 24VDC DIRECT – AIR | | | |
| | | Part nr: DA-075-24-02-00-00 | Rev. nr: 2 | Status: 0 | Scale: 1:2 |