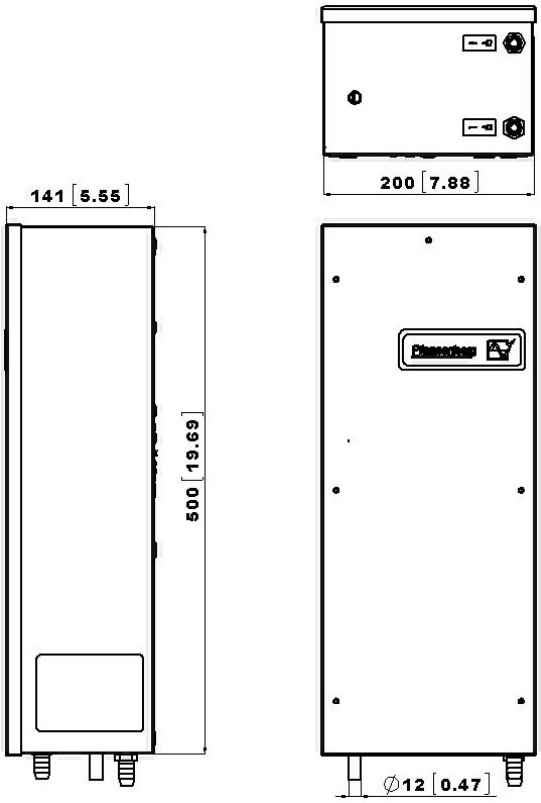
# Contents

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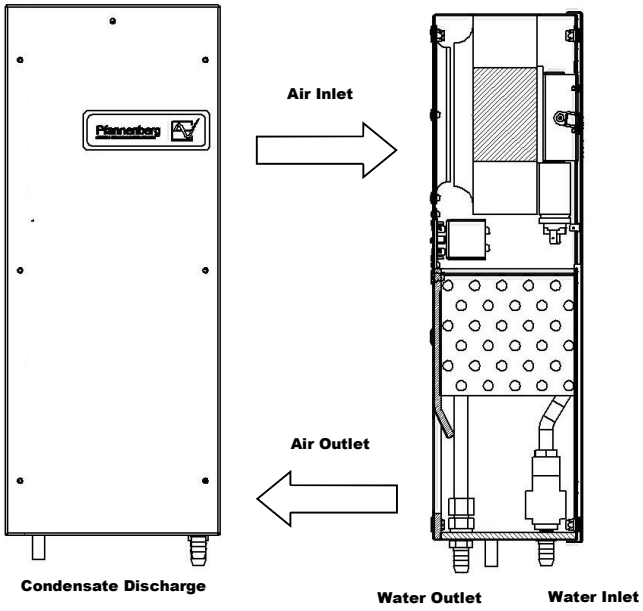
## 1. Technical Data

| Model | PWS 7102 |
|---|---|
| ***Cooling data*** | |
| Cooling capacity at (cab temp. 35°C / water temp. 10 °C/ water flow rate 200 l/h) | 950 W |
| Refrigerant | Water |
| Thermostat setting ( factory setting) | +35°C / 95°F |
| Thermostat range of adjustment | min. 8°C / 46,4°F - max. 50°C / 122°F |
| Water flow rate | 200 l / h (53 Gal / h) |
| Water inlet temperature (nominal /range) | 10°C (>+1°C to +35°C) / 50°F (>+34°F to +95°F) |
| Operating pressure | 1 to 10 bar (14.5 to 145 psi) |
| Air volume | 260 $m^3$ / h (153 CFM) |
| Ambient air temperature | +2°C / 36°F . . . +70°C / 158°F |
| Enclosure internal temp. | +25°C / 77°F . . . +45°C / 113°F |
| Duty cycle | 100 % |
| Noise level (1m) | 48 db(A) |
| Condensation discharge | Through condensate drain connection |
| ***Electrical data*** | |
| Rated voltage | 115V / 230V AC |
| Mains frequency | 60 Hz |
| Power consumption | 95 W / 84 W |
| Rated current | 0.69 A / 0.4 A |
| Starting current | 1.4 A / 1.8 A |
| Terminal connection wire gauge | max. 2,5 $mm^2$ / AWG 16 |
| Pre-fuse T | 4 A gG |
| Temperature monitoring (alarm) | max.230V AC, 8 (1,5)A cosφ=1 (0,6)<br>max. 230V DC, 0,25A |
| Alarm switch setting (Thermostat Option Only) | +10°C over temperature set point |
| ***Dimensions*** | |
| Height x Width x Depth: mm (in) | 500 x 200 x 138 (19.69 x 7.87 x 5.43) |
| Weight without packaging: kg (pounds) | 7.5 (16.5) |
| ***other*** | |
| Installation orientation | vertical |
| Cooling water connection | Hose nipple 13mm (1/2") |
| Condensate discharge | Pipe d=12mm |
| Unit construction | steel |
| Corrosion protection | Galvanized steel, electrostatically powder coated (200°C) / stainless steel |
| Protective category (UL) | Type 12 / 3R4 / 4X (stainless steel) |

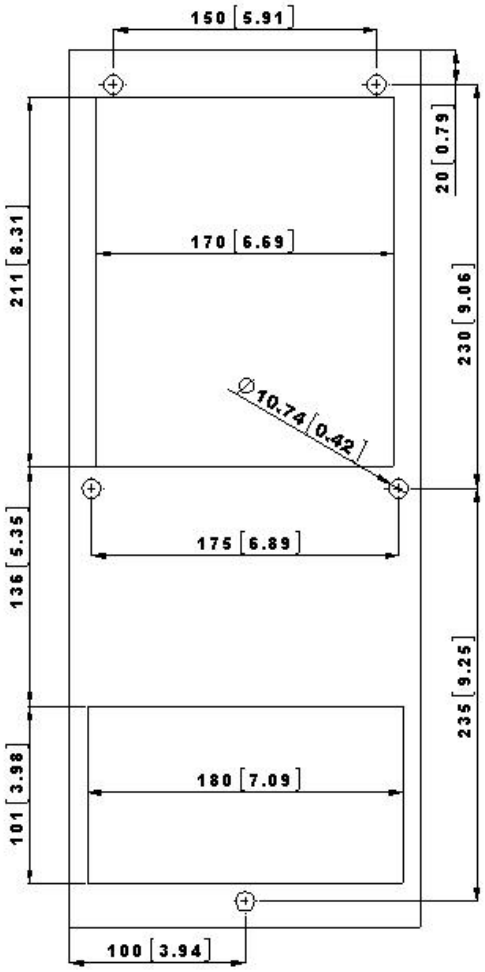
## 2. unit (main measurements )



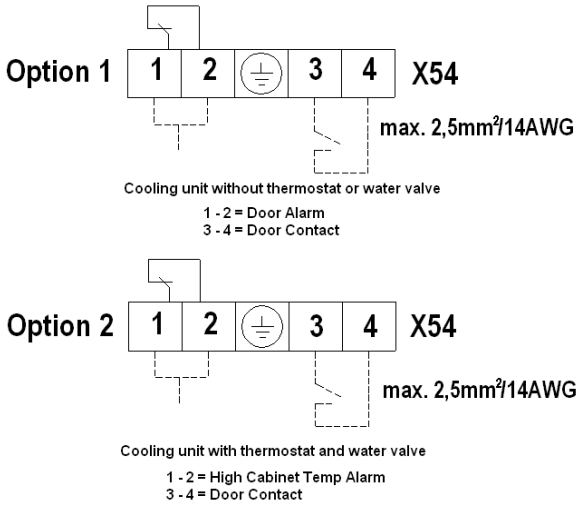

## 3. operational principle

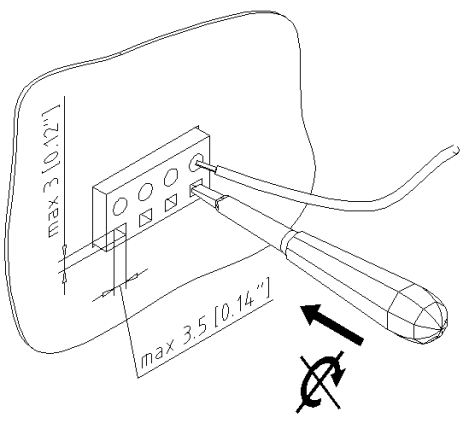


## 4. Mounting cut out

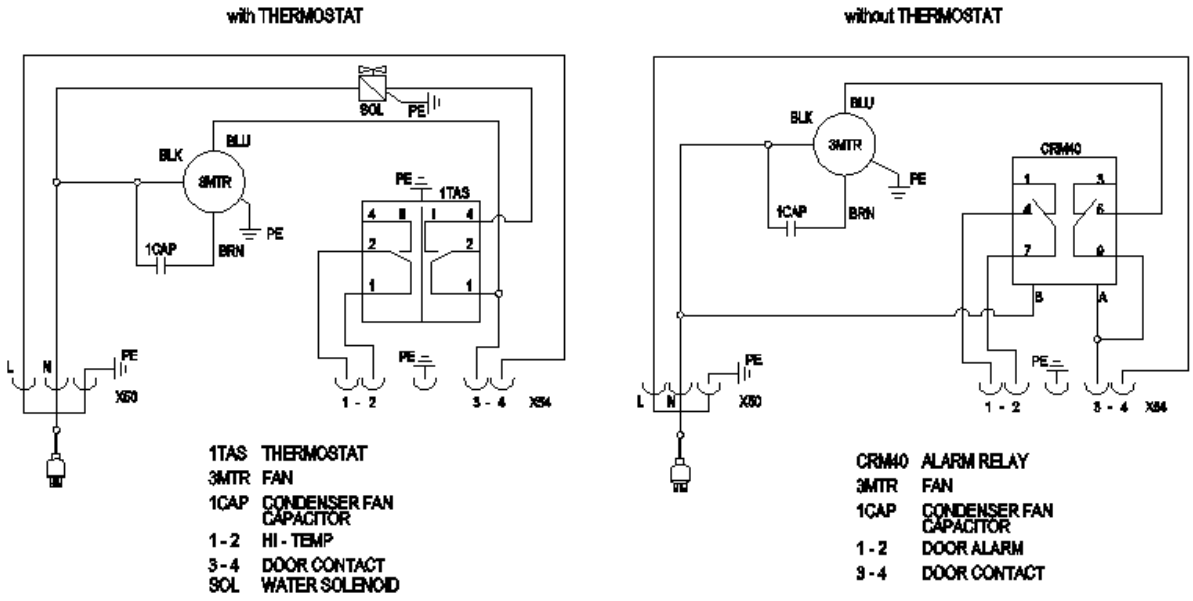



## 5. electrical connection (external)



## 6. Circuit Diagram (internal)




## 7. Spare parts

Please order your spare parts only with the *Pfannenberg*-parts-number.

| | | | |
|---|---|---|---|
| 115V Fan | 1811100007 | 230V Fan | 18811100009 |
| Single solenoid valve | 18715000000 | thermostat | 18713000001 |