

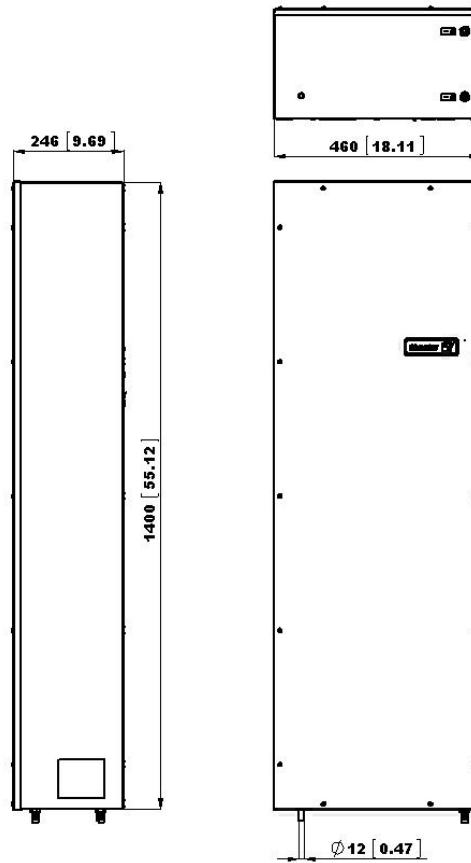
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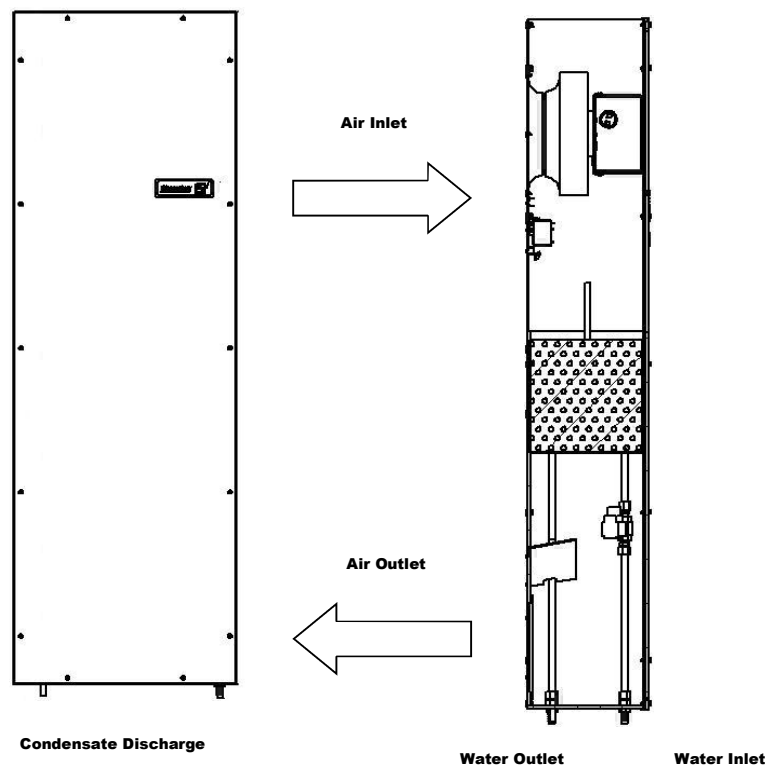
## 1. Technical Data

Model	PWS 7502
<b>Cooling data</b>	
Cooling capacity at (cab temp. 35°C / water temp. 10 °C/ water flow rate 400 l/h)	5200 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	400 l / h (105 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	890 m <sup>3</sup> / h (524 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)	57 db(A)
Condensation discharge	Through condensate drain connection
<b>Electrical data</b>	
Rated voltage	115V / 230V AC
Mains frequency	60 Hz
Power consumption	384W / 385 W
Rated current	3.45 A / 1.7 A
Starting current	8.33A / 6.6 A
Terminal connection wire gauge	max. 2,5 mm <sup>2</sup> / AWG 16
Pre-fuse T	6 A gG
Temperature monitoring (alarm)	max.230V AC, 8 (1,5)A cosφ=1 (0,6) max. 230V DC, 0,25A
Alarm switch setting	+10°C over temperature set point
<b>Dimensions</b>	
Height x Width x Depth: mm (in)	1400 x 460 x 239 (55.12 x 18.12 x 9.4)
Weight without packaging: kg (pounds)	39 (86)
<b>other</b>	
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)

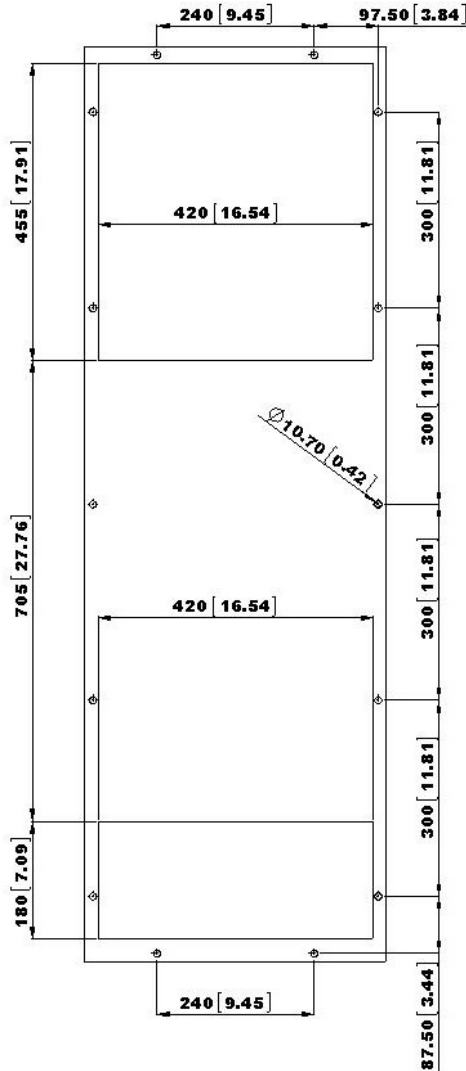
## 2. unit (main measurements)



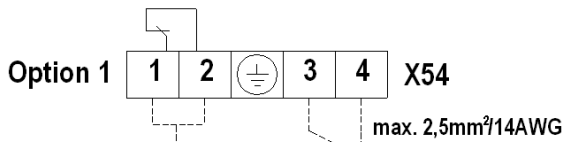
## 3. operational principle



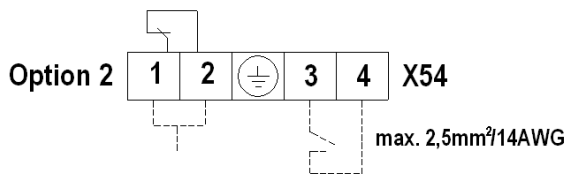
### 4. Mounting cut out



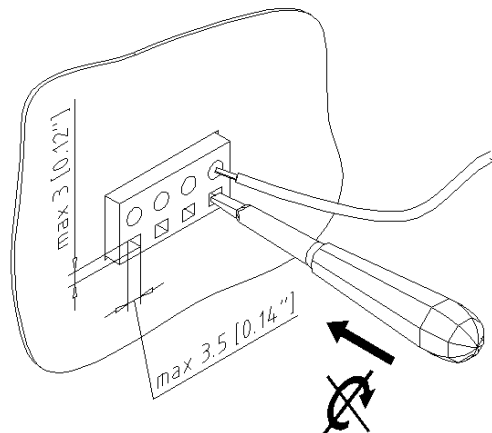
### 5. electrical connection (external)



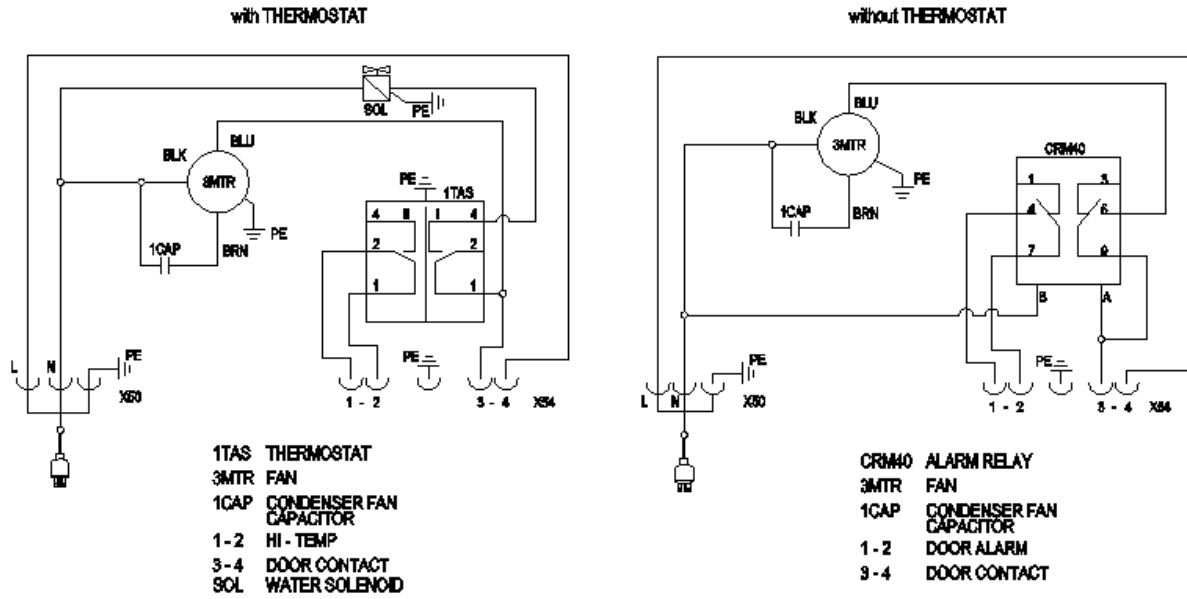
Cooling unit without thermostat or water valve  
1 - 2 = Door Alarm  
3 - 4 = Door Contact



Cooling unit with thermostat and water valve  
1 - 2 = High Cabinet Temp Alarm  
3 - 4 = Door Contact



## 6. Circuit Diagram (internal)



## 7. Spare parts

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

115V Fan	18711100005	230V Fan	18811100021
Single Solenoid Valve	18715000000	Thermostat	18713000001