

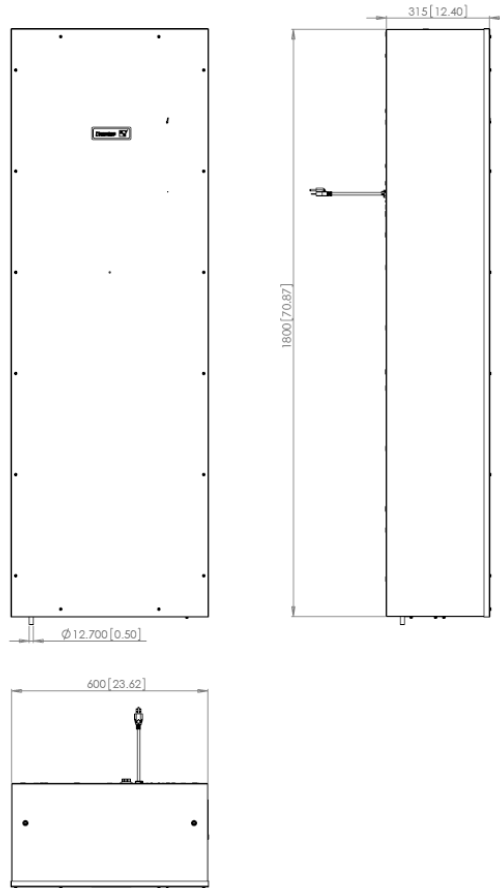
## Contents

1. Technical Data	1
2. Unit (main measurements)	2
3. Operational principle	2
4. Mounting cut out /	3
5. Electrical connection (external)	3
6. Circuit Diagram (internal)	4
7. Spare parts	4

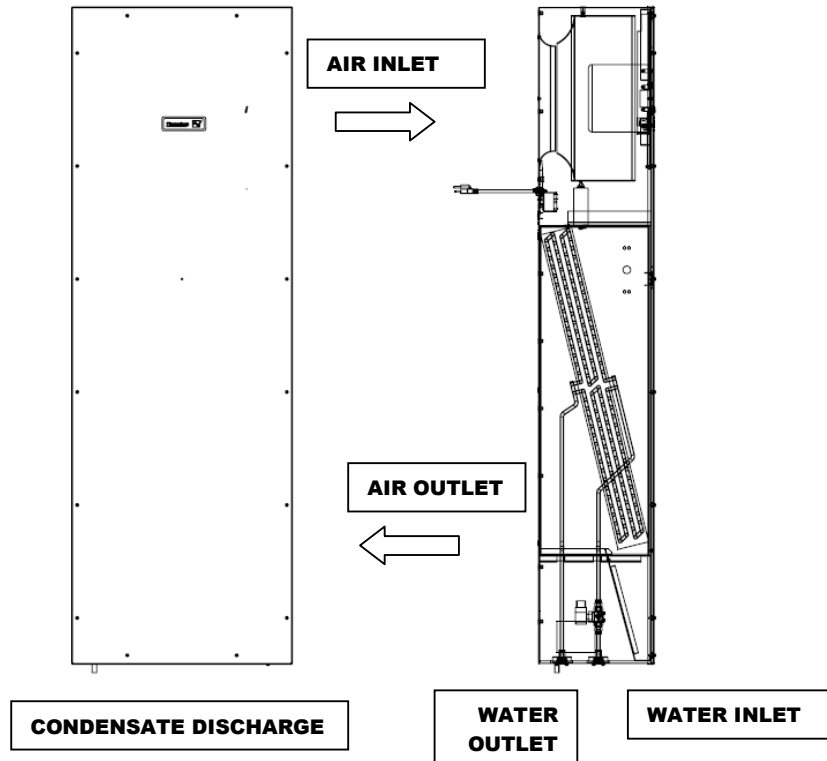
## 1. Technical Data

Model	PWS 71002
<b>Cooling data</b>	
Cooling capacity at (cab temp. 35°C / water temp. 10 °C/ water flow rate 400 l/h)	10,000 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	500 l / h (132 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	5900 m <sup>3</sup> / h
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)	67 db(A)
Condensation discharge	Through condensate drain connection
<b>Electrical data</b>	
Rated voltage	230V / 460V AC
Mains frequency	60 Hz
Power consumption	1200W / 1450 W
Rated current	5.2 A / 2.2 A
Starting current	18.8A / 9.4 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)	1800 x 600 x 317 (70.87 x 23.62 x 12.5)
Weight without packaging: kg (pounds)	73 (161)
<b>other</b>	
Installation orientation	vertical
Cooling water connection	Hose nipple 13mm (1/2")
Condensate discharge	Pipe d=9.5mm
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)



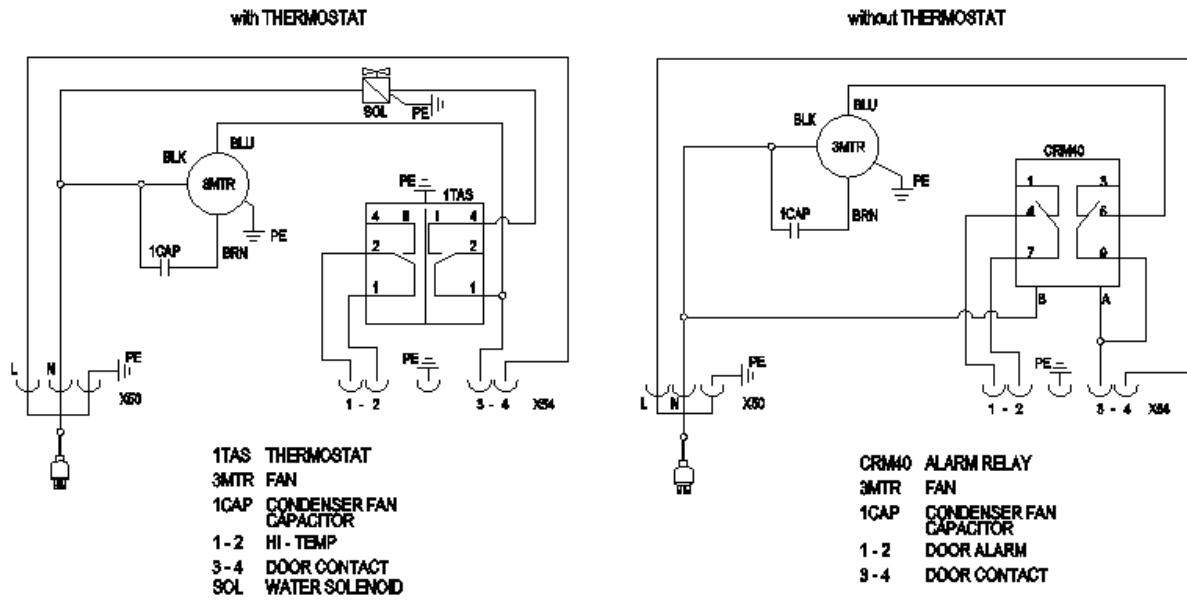
3. operational principle



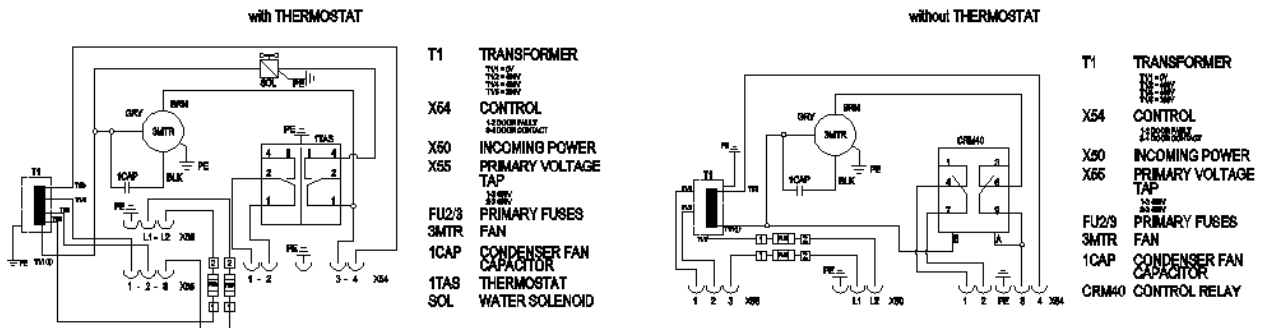


## 6. Circuit Diagram (internal)

230V



460V



## 7. Spare parts

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

230V Fan	18711100009	460V Fan	18711100009
Single Solenoid Valve	18715000000	Thermostat	18713000001