SeccoTech

1. Technical data

| Description	Unit of measurement	Values
Dehumidification capacity (1)	l/24h	6,6
Dehumidification capacity (2)	l/24h	13
Dehumidifiable volume	m^3	140
Heating power	W	-
Input power in dehumidification (1)	W	190
Nominal absorption in dehumidification (1)	A	1,2
Maximum input power in dehumidification (2)	W	232
Maximum absorption in dehumidification (2)	A	1,3
Max input power in dehumidification+heating (2)	W	-
Max absorption in dehumidification+heating (2)	A	-
Maximum input power in dehumidification (U.L.U.)	W	255
Maximum absorption in dehumidification (U.L.U.)	A	1,38
Protection rating		IP X0
Max operating pressure, high pressure side	MPa	1,88
Max operating pressure, low pressure side	MPa	0,64
Fan speed		1
Tank capacity	l	2,0
Air flow rate (max)	m^3/h	120
Product dimensions (Width x Height x Depth)	mm	300X427X258
Packaging dimensions (Width x Height x Depth)	mm	365X495X298
Noise (sound pressure) (3)	dB(A)	-
Noise (sound power) (4)	dB(A)	36
Weight (without packaging)	Kg	13
Weight (with packaging)	Kg	14
Refrigerant/load	Type/kg	R134A/0.160
Power cord (No. poles x mm2 section)		3 x 1
Power supply	V-F-Hz	230 - 1 - 50
Minimum/maximum supply voltage	V	216/244
Fuse		5AT

Conformity mark		CE
Certifying bodies		-
Features		
Air filter		YES
Activated carbon filter		NO
Working with continuous exhaust		YES
Electromechanical humidistat		NO
Adjustable electronic humidistat		YES
Room humidity displayed		YES
Room temperature displayed		YES
Full tank indication		YES
Defrost device		YES
Heating function with adjustable temperature		NO
Heating + dehumidification function		NO
RATED OPERATING CONDITIONS		
Maximum operating temperatures		(U.L.U.) DB 35°C - WB 31°C
Minimum operating temperatures		(L.L.U.) DB 2°C - WB 1°C
TEST CONDITIONS		(1) DB 27°C - WB 21°C (27°C - 60% RH)
		(2) DB 32°C - WB 29°C (32°C - 80% RH)

2.Display

1) standby/switch-on key
2) mode selector key
3) humidity/temperature increase key
4) humidity/temperature decrease key
5) significant room humidity/temperature indicating key
6) temperature indicator
7) humidity indicator
8) mode indicator
9) condensate tank full/missing indicator
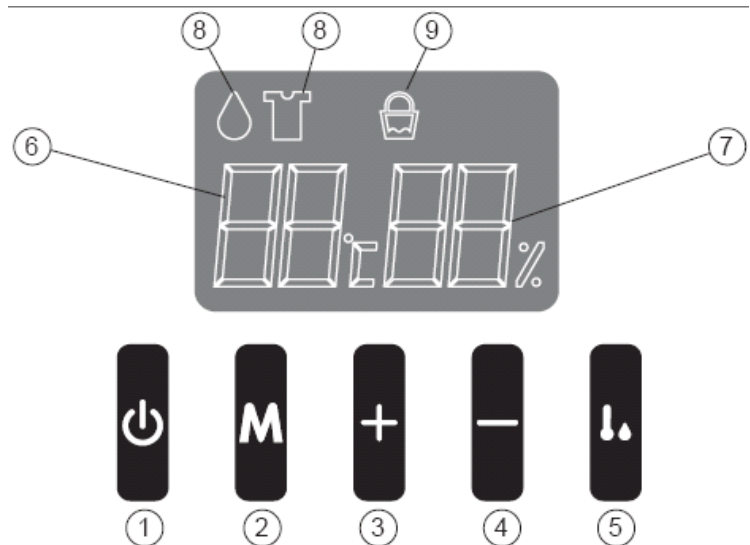
3.Wiring diagram
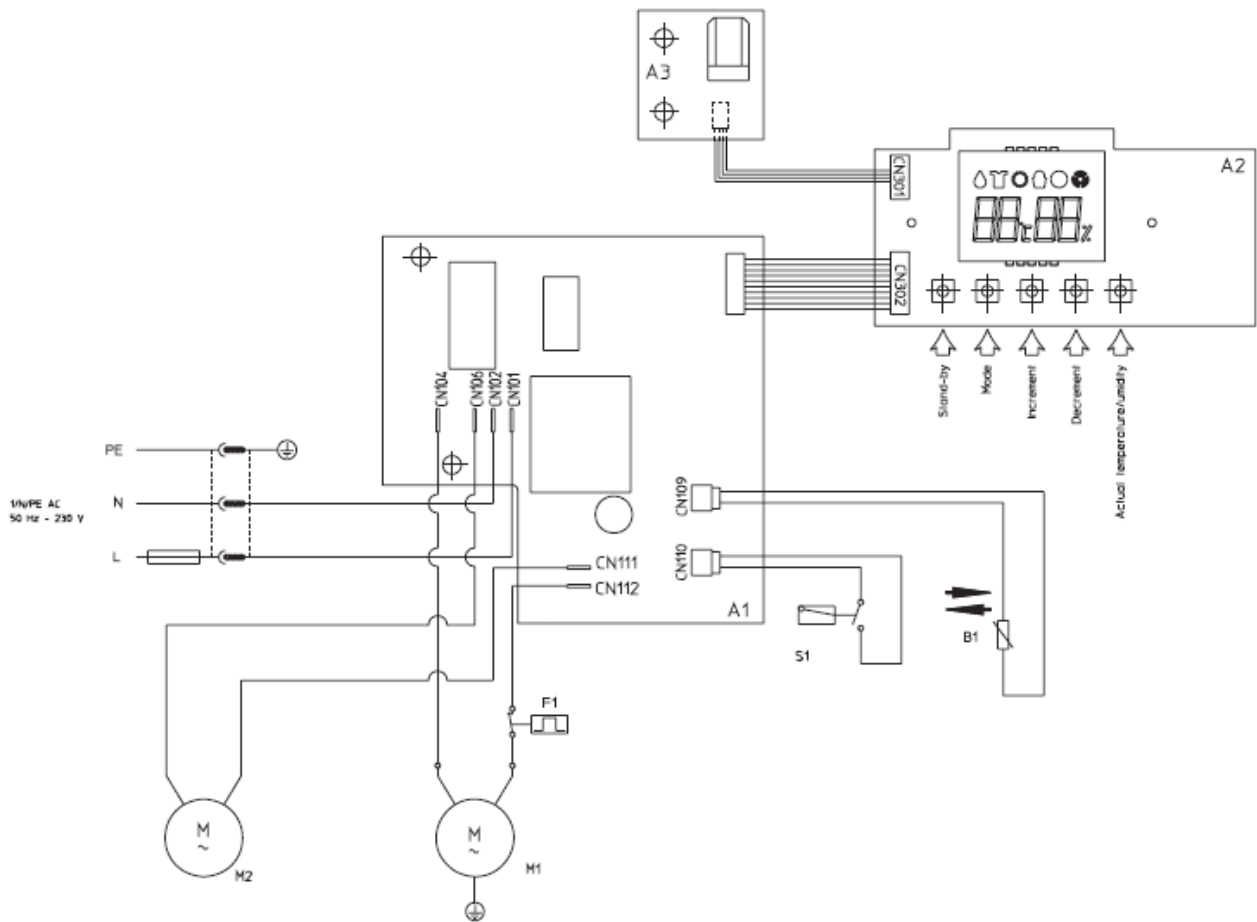
A1	Power board
A2	Electric board
A3	Humidity/temperature sensor board
B1	Evaporator temperature probe
F1	Thermal protection
M1	Compressor
M2	Fan motor
S1	Micro switch

4.Alarms

Hr (BLINKING)	**Humidity sensor alarm**
tE (BLINKING**)**	**Evaporator probe alarm**
Lo (BLINKING**)**	**Low temperature alarm**

Humidity sensor alarm: The alarm is triggered when an interruption in the sensor is detected **or a humidity percentage lower than 22% is read**

Evaporator probe alarm: Probe interrupted, no longer calibrated or disconnected

Low temperature alarm: The low temperature alarm is controlled by the probe on the evaporator following this logic:
If the probe fails to detect a temperature higher than 3°C after working 30' in the defrost mode the machine indicates the alarm status.

5.Operating logic

Dehumidification:
The humidity set point can be set from 30% to 90% RH in 5% steps
Operating conditions in the Dehumidification Mode:
ON (min 3' delay) if R.H. > 3% R.H. set
OFF if R.H.< -3% R.H. set (the fan stops with a 30" delay)

Defrost:
The sub defrost programme is started either in the dehumidification or HI mode if the following conditions are found:
If Evap Temp is < 1 for 20' = Compressor OFF
Defrost finishes when:
Evap Temp is > 3°C and at least 3' have elapsed since the compressor switched off

Drying Mode (**HI**):
The set R.H. is not taken into consideration when this mode is selected
So, except in the cases mentioned below, the dehumidifier will work continuously.

The compressor and fan stop working only in the following cases:
1-Full tank alarm
2-If the sub defrost programme starts
3- Alarm status indicated

Self-restart:
When the supply voltage returns after a black out the dehumidifier resumes according to the previous work settings.

6.SetUP parameter access:

Some of the dehumidifier parameters can be changed
Follow this procedure to access set programming:
1-Power the dehumidifier and put it on standby
2-Press keys "3" and "5" simultaneously (see Fig. Display) for at least 3" or until the first parameter appears.
3- To alter the set value, press keys "(5+3) to increase the value" or "(5+ 4) to reduce it"
4- Press key 5 once more to go to the next parameters
5- Press key 1 to exit programming

Set UP Parameters Table:

Parameter	Value	Description
Co	20	Defrost ON time
Cf	3	Minimum OFF time
Ft	1	Initial temperature for counting defrost ON time
St	3	End of defrost temperature