

SECCOPUR THERMO

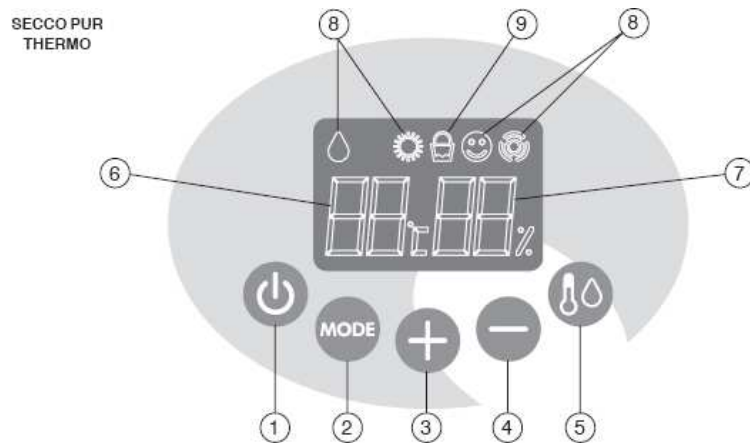


1.0 Technical data:

DESCRIPTION	Unit of measurement	Values
Supply voltage	V-F-Hz	230-1-50
Input power in dehumidification	Wh	390
Combined input power	Wh	1190
Average consumption in the dehumidification mode	Wh	300
Heating element power	W	800
Air treated	m ³ /h	170
Coolant		R134a
Tank capacity	l	6
Dimensions	HxWxD (mm)	600x380x310
Weight	Kg	18
Dehumidification capacity:		
27°C – 65% R.H.	l/24h	12
32°C – 80% R.H.	l/24h	18
Maximum operating conditions in dehumidification	DB – WB	35°C – 31°C
Maximum combined operating conditions	DB – WB	25°C – 22°C
Minimum operating conditions	DB – WB	2°C – 1°C

INTRODUCTION

User interface consists of a display-unit board (local interface) that performs the following functions:



- 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

1. STANDBY MODE

- Selectable by pressing the corresponding key locally on the display-unit (the key performs this function only when the machine is working and with no ongoing malfunctions). By pressing the key on the display the symbol “_ _ _ _” appears which means the dehumidifier is on standby. In this condition, by pressing the STANDBY key again on the display all the previously selected functions are reset and the timed settings for the various programmes (except for the compressor rest time) are reinitialized.

2. PURIFICATION MODE

- Selectable by pressing the mode selector key (2) on the display-unit. The “fan” symbol appears on the display. The temperature in the room is displayed (indicator 6) as well as humidity (indicator 7). The dehumidifier works continuously in this mode, treating the air.

3. DEHUMIDIFIER MODE

- Selectable by pressing the mode selector key (2) on the display-unit. The “drop” symbol appears on the display when this function is activated. The level of humidity in the room can be set when this mode is selected. The degree of humidity is increased or reduced in 5% steps pressing keys (3) or (4). The degree of humidity is displayed.
- The dehumidifier turns off automatically when the degree of humidity set is reached and starts working again when the degree of humidity in the room is higher than that set

4. AUTOMATIC DEHUMIDIFICATION MODE

- Selectable by pressing the mode selector key (2) on the display-unit. The “drop” and “smile” symbols appear on the display when this function is activated.
- In this mode the dehumidifier works automatically, choosing the most comfortable humidity value based on room temperature.

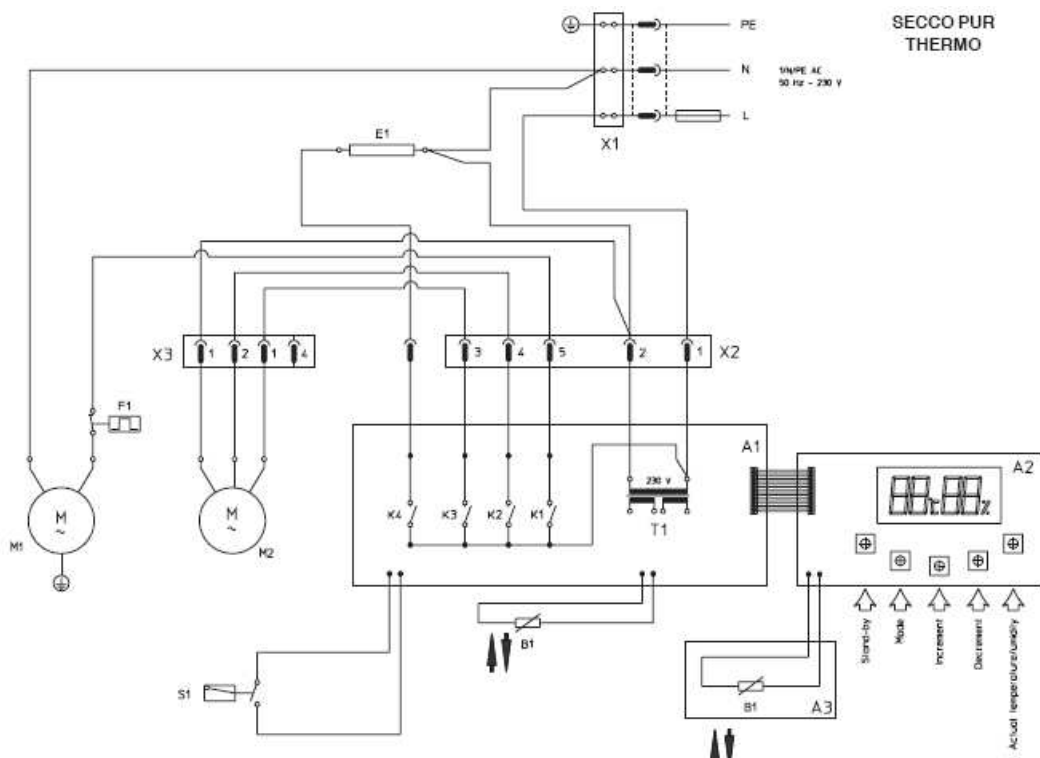
5. DEHUMIDIFICATION + HEATING MODE

- Selectable by pressing the mode selector key (2) on the display-unit. The “drop” and “sun” symbols appear on the display when this function is activated. The level of humidity in the room can be set when this mode is selected. The degree of humidity is increased or reduced in 5% steps pressing keys (3) or (4). The degree of humidity is displayed.
- The dehumidifier turns off automatically when the humidity value wanted is reached and starts working again automatically as soon as relative humidity in the room exceeds the value selected.

6. DISPLAY INDICATIONS

INDICATION	DESCRIPTION	REMEDIES
Hr (blinking)	Room humidity too low	Start the dehumidifier in higher room humidity conditions
	Room temperature and humidity sensor damaged	Turn the unit off and contact an assistance centre
tE (blinking)	Room temperature and humidity sensor damaged	Turn the unit off and contact an assistance centre
Lo (blinking)	Room temperature far too low	Start the dehumidifier in higher room humidity conditions
Fi (blinking)	Air filter dirty	Clean the air filter
	Unit in/out air flow blocked	Remove air flow blockage
EE (blinking)	Electronic board failed	Replace the electronic board

SECCO PUR THERMO WIRING DIAGRAM



A1	Electronic board (power)
A2	Electronic board (command)
A3	Humidity/temperature sensor board
B1	Humidity/temperature sensor
B2	Evaporator probe
E1	Electrical heating element
F1	Compressor thermal protection
K1	Relay for compressor
K2	Relay for fan
K3	Relay for fan
K4	Heating element relay
M1	Compressor
M2	Fan
S1	Full tank micro switch
T1	Transformer
X1	Power supply terminal block
X2	Connector
X3	Connector