

10. Service Test Program:

Step 1: While pressing the audio warning level and the end time selection 1-2 seconds, then press the on/off button for 3 seconds to start the service test program. In this program start / pause button is used to pass other steps.



When the test program starts, all the icons are blinking.



Step 2: Start / Pause button is pressed and the software versions appear on the display. Main Board and Display Board software versions appear respectively.



Step 3: Start / Pause button is pressed. “18” and “88:88” light up and all the icons blink. Icon controls are made.



Step 4: Start / Pause button is pressed. The values of the door NTC (nt 02) and compressor NTC (nt 01) are shown on the display.



- If the compressor and / or door NTC is not read, “Error” appears on the display. (If NTC and/or Voltage Error occurs, it cannot be passed to the next steps and the motor does not rotate.)

Step 5: Start / Pause button is pressed. The compressor cooling fan activates. “Fn On” appears on the display. The fan should be controlled whether it suctions or not. When the cooling fan starts to run, it draws a current between 0,08A-0,18A @ 230V.



Step 6: Start / Pause button is pressed. The pump activates. “**Pu On**” appears on the display. If the condenser switch socket is not inserted, buzzer sounds and “**Err**” appears on the display for one second intervals. When the pump starts to run, it draws a current between 0,04A-0,1A @ 230V.



Step 7: Start / Pause button is pressed. Motor rotates clockwise and “**Dr rr**” appears on the display. When the asynchronous motor rotates CW, it draws a current between 0,65A - 1,2A @ 230V; when the BLDC motor rotates CW, it draws a current between 0,65A - 1,45A @ 230V.



Step 8: Make the sensor circuit by touching the sensor plate. Buzzer sounds for 3 seconds and “**Sc on**” appears on the display. Then it is checked that the sensor is short circuit. If the value does not appear in the display for 10 sec., it indicates an error and “**Sc:Er**” appears in the display. Step can not be passed, buzzer sound beep-beep. Lamp must be go out as soon as the door is closed.



Step 9: Start / Pause button is pressed. “**St oP**” appears on the display.



Step 10: Start / Pause button is pressed. Check if the sensor is open circuit. When the sensor value reaches to 18000adc, it means open circuit and “**So on**” appears on the display.



Step 11: Start / Pause button is pressed. The compressor starts, and the compressor NTC value (**nt 01**) appears on the display. When the compressor NTC temperature value reaches to 50-55°C, the compressor stops and “**CP on**” appears on the display. The compressor of the models with the energy class of A+ and A++ draws a current between

1,2A – 2,5A @ 230V, and the compressor of the models with the energy class of A+++ draws a current between 1,0A – 2,0A @ 230V.



Step 12: Start / Pause button is pressed. Motor rotates counter-clockwise (CCW) and “Dr LL” appears on the display. When the asynchronous motor rotates CCW, it draws a current between 0,65A - 1,2A @ 230V; when the BLDC motor rotates CCW, it draws a current between 0,65A - 1,45A @ 230V.



Step 13: Start / Pause button is pressed. The last 5 errors occurred appear on the display respectively starting from the last error.



Step 14: Start / Pause button is pressed. The test program will be exited and cotton cupboard dry program (program # 6) appears on the display.



Error Codes:

Error Codes Definition
Er 01 : Door has opened during Run Mode
Er 02 : Overflow switch error
Er 03 : Not Applicable
Er 04 : If the door NTC exceed its limit °C compressor will stop for 5 minutes.
Er 05 : If the Compressor NTC exceed its limits, Compressor will stop 4 minutes for HP
Er 06 : Not Applicable
Er 07 : Not Applicable
Er 08 : If the Door NTC is open circuit.
Er 09 : If the Door NTC is short circuit.
Er 10 : If the Compressor NTC is open circuit.
Er 11 : If the Compressor NTC is short circuit.
Er 12 : If the humidity sensor drying programs reaches its maximum time limit. These limits; Cottons and Synthetics are 300 minutes.
Er 13 : If the drum is empty. (Only beginning of sensor drying programs)
Er 14 : Low Voltage Error (Lower than 165V)
Er 15 : High Voltage Error (higher than 265V)
Er 16 : Start button pressed when the door is open.
Er 17 : Door is open during running.
Er 18 : Communication Error (Main board, Display board)
Er 19 : Program finished by customer.
Er 20 : Start/Stop button pressed during running.
Er 21 : If the compressor stops in one cycle more than 6 times.
Er 22 : If the compressor stops in one cycle more than 40 times. Program finished automatically.
Er 40 : BLDC motor communication problem resetted
Er 41 : BLDC motor rpm is not at required level
Er 42 : BLDC motor rpm at minimum level
Er 43 : BLDC motor locked
Er 44 : BLDC motor reenergised
Er 56 : BLDC abnormal voltage
Er 57 : BLDC communication problem
Er 58 : BLDC motor is not working
Er 59 : BLDC motor no energy
Er 60 : If compressor NTC's value does not increase 10°C in first 6 minutes than heater stops and just compressor runs. (Just in Hybrid Programmes)