

3.5 Table of alarms codes ENV06

| Alarm | Possible fault | Action/machine status | Reset | Alarm |
|------------|---|--|---|-----------------|
| E00 | No alarm | | | |
| E11 | Difficulties in water fill for washing | Tap closed or water pressure too low; Drain tube improperly positioned; Water fill solenoid valve is faulty; Leaks from water circuit on pressure switch; Pressure switch faulty; Wiring faulty; PCB faulty. | Cycle is paused with door locked. | START/RESET |
| E12 | Difficulties in water fill for drying | Tap closed or water pressure too low; Drain tube improperly positioned; Water fill solenoid valve is faulty; Leaks from water circuit on pressure switch; Pressure switch faulty; Wiring faulty; PCB faulty. | Cycle is paused with door locked. | START/RESET |
| E13 | Water leakage | Drain hose incorrectly positioned; mains pressure insufficient; water fill solenoid faulty; leakage/blockage of pressure switch hydraulic circuit; pressure switch faulty. | Cycle is paused with door locked. | START/RESET |
| E21 | Difficulties in draining for washing | Drain tube kinked/clogged/improperly positioned; Drain filter clogged/dirty; Drain pump faulty; Pressure switch faulty; Wiring faulty; PCB faulty. | Cycle is paused (after 2 attempts). | START/RESET |
| E22 | Difficulties in draining for drying | Drain tube kinked/clogged/improperly positioned; Drain filter clogged/dirty; Drain pump faulty; Pressure switch faulty; Wiring faulty; PCB faulty. | Cycle is paused. | START/RESET |
| E23 | Drain pump triac faulty | Drain pump faulty; Wiring faulty; PCB faulty. | Safety drain cycle - Cycle stops with door unlocked. | RESET |
| E24 | Fault in "sensing" circuit of drain pump triac (wrong input signal to microprocessor) | PCB faulty. | Safety drain cycle - Cycle stops with door unlocked. | RESET |
| E31 | Electronic pressure switch circuit faulty (frequency of pressure switch signal out of limits) | Electronic pressure switch; Wiring; PCB faulty. | Cycle blocked with door closed. | RESET |
| E32 | Incorrect calibration of electronic pressure switch (The electronic pressure switch generates a signal with instable frequency during the drain phase) | Drain tube kinked/clogged/improperly positioned; Drain filter clogged/dirty; Drain pump faulty; Leaks from water circuit on pressure switch; Pressure switch; Wiring faulty; PCB faulty. | Cycle is paused. | START/RESET |
| E35 | Water overflow | Water fill solenoid faulty; Leaks from water circuit on pressure switch; pressure switch faulty; wiring faulty; PCB faulty. | Cycle blocked. Safety drain cycle. Drain pump always in operation (5 minutes on, 5 minutes off etc.). | RESET |
| E38 | Pressure chamber blocked (water level does not vary for at least 30 sec. during drum rotation) | Motor drive belt broken; Hydraulic circuit pressure switch clogged. | Heating phase skipped. | ON/OFF RESET |
| E3A | Heating elem. relay sensing faulty (input signal to microprocessor always 0V or 5V) | PCB faulty. | Cycle blocked with door closed. | RESET |
| E41 | Door open (after 15 sec.) | Door interlock faulty; wiring faulty; PCB faulty. | Cycle paused. | START/RESET |
| E42 | Problems of door closure | Door interlock faulty; wiring faulty; PCB faulty. | Cycle paused. | START/RESET |
| E43 | Interlock power supply triac faulty | Door interlock faulty; wiring faulty; PCB faulty. | (Safety drain cycle) Cycle blocked. | ON/OFF RESET |

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| Alarm | Possible fault | Action/machine status | Reset | Alarm |
|-------|--|--|--|-----------------|
| E44 | Door interlock sensing circuit triac faulty | PCB faulty. | (Safety drain cycle) Cycle blocked. | ON/OFF RESET |
| E45 | Door interlock sensing circuit triac faulty (wrong input signal to microprocessor) | PCB faulty. | (Safety drain cycle) Cycle blocked. | ON/OFF RESET |
| E52 | No signal from motor tachometric generator | Motor faulty; wiring faulty; PCB faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E57 | Inverter is drawing too much current (>15A) | Motor-Inverter wiring faulty; Inverter board faulty, Motor faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E58 | Inverter is drawing too much current (>4,5A) | Motor abnormal operation (overloaded); Motor-Inverter wiring faulty; Motor faulty; Inverter board faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E59 | No signal from tachometric generator for three seconds | Motor-Inverter wiring faulty; Inverter board faulty, Motor faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E5A | Overheating for heat dissipator for Inverter | Overheating caused by continuous operation or ambient conditions (let appliance cool down); Inverter board faulty. NTC open (on the Inverter board). | Cycle blocked, door locked (after 5 attempts). | RESET |
| E5H | Input voltage is lower than 175V | Wiring faulty; Inverter board faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E5C | Input voltage is too high | Input voltage is too high (measure the masters voltage); Inverter board faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E5d | Data transfer error between Inverter and main board | Line interference; Wiring faulty; Main board or Inverter faulty. | ----- | RESET |
| E5E | Wrong communication between main board and Inverter | Main board-Inverter wiring faulty; Inverter board faulty; Main board faulty. | Cycle blocked (after 5 attempts). | ON/OFF |
| E5F | Inverter board does not start the motor | Wiring faulty; Inverter board faulty; Main board faulty. | Cycle blocked, door locked (after 5 attempts). | RESET |
| E61 | Insufficient heating during washing | NTC sensor faulty; heating element faulty; wiring faulty; PCB faulty. | The heating phase is skipped. | START/RESET |
| E62 | Overheating during washing (temperature higher than 88°C for a time higher than 5 min.) | NTC sensor faulty; heating element faulty; wiring faulty; PCB faulty. | Safety drain cycle – Cycle stopped with door open. | RESET |
| E66 | Heating element power relay faulty (incongruence between sensing and relay) | PCB faulty. | Safety drain cycle – Cycle stopped with door open. | RESET |
| E68 | Current dispersion to earth (value of mains voltage different from main value) | Current dispersion between between heating element and earth. | Cycle blocked with door open. | RESET |
| E69 | Heating element interrupted | Wiring faulty; Heating element for washing interrupted (thermofuse open). | ----- | START/RESET |
| E71 | Washing NTC sensor faulty (short-circuited or open) | Wiring faulty; Washing NTC sensor faulty; PCB faulty. | The heating phase is skipped. | START/RESET |
| E72 | Drying condenser NTC sensor faulty (voltage value out of limits, sensor short-circuited or open) | Wiring faulty; Drying NTC sensor (condenser) badly positioned or faulty; WD board faulty. | The drying heating phase is skipped. | START/RESET |
| E73 | Drying duct NTC sensor faulty (voltage value out of limits, sensor short-circuited or open) | Wiring faulty; Drying NTC sensor (duct) badly positioned or faulty; WD board faulty. | The drying heating phase is skipped. | START/RESET |
| E74 | Washing NTC sensor badly positioned | Wiring faulty; Washing NTC sensor badly positioned; NTC sensor faulty; PCB faulty. | The heating phase is skipped. | START/RESET |

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| Alarm | Possible fault | Action/machine status | Reset | Alarm |
|------------|--|--|--|-----------------|
| E82 | Error in selector reset position | PCB faulty (Wrong configuration data). | ----- | RESET |
| E83 | Error in selector reading | PCB faulty (Wrong configuration data). | Cycle cancelled. | START/RESET |
| E91 | Communication error between PCB and display board | Wiring faulty; Control/display board faulty; PCB faulty. | ----- | RESET |
| E92 | Communication incongruence between main PCB- display board (versions not compatible) | Wrong control/display board; Wrong PCB (do not correspond to the model). | Cycle interrupted. | OFF/ON |
| E93 | Incorrect configuration of appliance | PCB faulty; (Incorrect configuration data). | Cycle interrupted. | OFF/ON |
| E94 | Incorrect configuration of washing cycle | PCB faulty; (Incorrect configuration data). | Cycle interrupted. | OFF/ON |
| E95 | Communication error between microprocessor and EEPROM | PCB faulty. | Cycle interrupted. | RESET |
| E97 | Incongruence between programme selector and cycle configuration | Faulty PCB (Wrong configuration data). | Cycle interrupted. | RESET |
| E98 | Communication error between main board - Inverter | Incompatibility between main board and Inverter. | Cycle interrupted. | OFF/ON |
| E9H | Communication error between microprocessor and FLASH memory | Display board. | ----- | OFF/ON RESET |
| E9C | Machine configuration error | Display board. | ----- | OFF/ON RESET |
| E9d | Clock faulty | Display board. | ----- | OFF/ON RESET |
| E9F | Communication error between PCB and remote devices | Wiring between PCB and Inverter faulty; PCB faulty; Inverter faulty. | Cycle interrupted. | OFF/ON |
| EA1 | Drum positioning (DSP) faulty | Motor belt broken; Wiring faulty; PCB faulty; DSP sensor faulty. | Positioning phase skipped. | ON/OFF RESET |
| EA6 | DSP door opening faulty | Motor belt broken; Wiring faulty; Drum cover open. Motor faulty; PCB faulty. | Cycle paused. | ON/OFF RESET |
| EC1 | Solenoid valve blocked with flowmeter working | Wiring faulty; Solenoid valve faulty/blocked, PCB faulty. | Cycle blocked with door closed. Drain pump always works (5 min., then it stops for 5 min. ecc.). | RESET |
| EC3 | Problems with Weight sensor (no signal or out of limits) | Wiring faulty; Weight sensor faulty; PCB faulty. | ----- | START/RESET |
| Ed1 | Data communication error between WD board and PCB | Wiring faulty between PCB and WD board; WD board faulty; PCB faulty. | Cycle interrupted. | OFF/ON |
| Ed2 | Drying heating element relay 1 faulty | Wiring faulty between WD board and thermostats; thermostats faulty; WD board faulty, PCB faulty. | Cycle blocked with door open. | RESET |
| Ed3 | Drying heating element relay 2 faulty | Wiring faulty between WD board and thermostats; thermostats faulty; WD board faulty, PCB faulty. | Cycle blocked with door open. | RESET |
| Ed4 | Relay which commutates power between washing heating element and drying (in the WD board) | Wiring faulty; WD board faulty; PCB faulty. | Cycle blocked with door open. | RESET |
| Ed6 | No communication between PCB and display board (INPUT) | Wiring faulty between PCB and programme display board; PCB faulty. | ----- | OFF/ON |

| Alarm | Possible fault | Action/machine status | Reset | Alarm |
|-------|---|---|--|-----------------|
| EF1 | Drain filter blocked (drain phase too long) | Drain tube blocked/kinked/too high; Drain filter dirty/blocked. | Warning displayed at the end of cycle (specific LED). | START/RESET |
| EF2 | Excessive detergent dosing (excessive foam during draining) | Excessive detergent dosing; drain tube kinked/blocked; Drain filter dirty/blocked. | Warning displayed after 5 attempts or by the specific LED. | RESET |
| EF3 | Aqua control intervention | Water leaks onto base frame; water control system defective. | Water drain. | ON/OFF RESET |
| EF4 | Water fill pressure low, no signal of flowmeter and solenoid valve open | Tap closed; water fill pressure low. | ----- | RESET |
| EF5 | Unbalanced load | Final spin phases skipped. | ----- | RESET |
| EF6 | Reset | ----- | No action to be performed, if continues replace the PCB. | ----- |
| EH1 | Frequency power of appliance out of limits | Power supply problems (incorrect / disturbance); PCB faulty. | Wait for frequency nominal conditions. | OFF/ON |
| EH2 | Voltage too high | Power supply problems (incorrect / disturbance); PCB faulty. | Wait for frequency nominal conditions. | OFF/ON |
| EH3 | Voltage too low | Power supply problems (incorrect / disturbance); PCB faulty. | Wait for frequency nominal conditions. | OFF/ON |
| EHE | Incongruence between safety relay (in the PCB) and the safety "sensing" circuit | Wiring faulty; PCB faulty. | Safety drain cycle – Cycle stopped with door open. | RESET |
| EHF | Safety "sensing" circuit faulty (input voltage to microprocessor wrong) | PCB faulty. | Safety drain cycle – Cycle stopped with door open. | RESET |

3.5.1 Notes concerning certain alarm codes

- Configuration alarms E93:** If this alarm is generated (when the appliance is switched on), operation of the appliance is blocked, the LEDs placed above or inside the START/PAUSE button start to flash displaying the complete codification (family plus alarm), the display shows the alarm code on condition that the configuration part of the display is ok.
 The diagnostic procedure cannot be accessed; the only option is to switch the appliance OFF.
- Configuration alarm E94:** all LEDs placed above or inside the START/PAUSE button start to flash displaying the complete codification (family plus alarm) and the code is displayed.
 It is not possible to enter the diagnostics or to use the mode "rapid displaying of the alarm".
- Alarms EH1(Eb1)-EH2(Eb2)-EH3(Eb3):** In the event of problems with the mains power supply, the appliance remains in alarm mode until the mains frequency or voltage are restored to the correct value or the appliance is switched off (programme selector on "0"). The family of alarm "b or H" only is displayed if the problem occurs during the normal operation of the appliance, while the family plus the alarm are displayed if the problem occurs at the switching on, through the flashing of the LEDs placed above or inside the START/PAUSE button. At the same time the code is represented also in the display.
 It is not possible to enter the diagnostics or to use the mode "rapid displaying of the alarm": the complete alarm can be read only when the abnormal situation has terminated.
- Alarms E51- E52:** During the diagnostic test, all the alarms are displayed. Normally, when the programme selector is turned from one test phase to another, the appliance exits the alarm condition and performs the phase selected. This does not take place in the case of alarms E51 (power triac on motor short-circuited) and E52 (no signal from the tachometric generator on the motor): in these cases, the only option to exit the alarm condition is to switch the appliance OFF by turning the selector to position "0" (reset) or pushing the ON/OFF button (INPUT styling).