Fisher&Paykel

Service Diagnostics Condensing Dryer

Model DE8060P1



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SPECIFICATIONS

Electric Supply

Voltage 220 – 240V

Frequency 50Hz
Power Consumption 2 kW
Fuse Rating 10A

Capacity

WH8060P1 8.0Kgs

Heating Element

Consists of two elements in the heater housing;

Total Nominal Power @ 230V 1800W +/-5%Resistance (1100W Element) $67.0\Omega +/-5\%$ Resistance (700W Element) $44.0\Omega +/-5\%$ Safety (Overheat) thermostat $175^{\circ}\text{C} + 6.5^{\circ}\text{C}$

(Non Reset)

NTC Heater

Resistance $56.0 \text{ K}\Omega \text{ @ } 25^{\circ}\text{C}$

NTC Exhaust

Resistance 11 K Ω @ 25°C

Condensate Pump

Voltage / Frequency 220V – 240v AC 50Hz

Power 13W

Resistance $790\Omega \pm 10\%$ Pump out rate 4-5litres/min

Motor

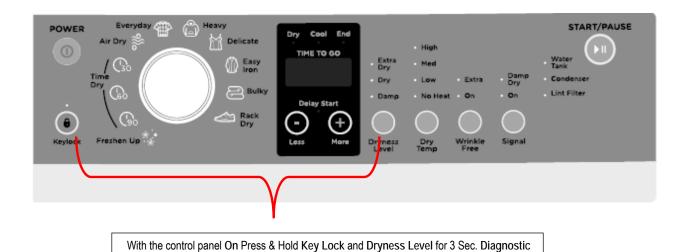
Power (Max) 140 W

Voltage / Frequency 230 – 240V 50Hz

Main Winding $30.0Ω \pm 7\%$ Auxiliary Winding $23.0Ω \pm 7\%$

Speed 2600 RPM Start Capacitor 8uF ± 5%

DIAGNOSTICS MODE



To enter the DIAGNOSTIC MODE:

- 1. Turn the mains on at the supply and on at the control panel.
- 2. Press and hold the KEYLOCK and DRYNESS LEVEL buttons for at least 3 seconds, after which time two beeps will sound.

In Diagnostics mode the following I/O's can be operated.

	I/O	Select	Then Press
Test	Water Level Switch		Delay Start More Button
	Humidity Sensor	A: - D	Dryness Level Button
	Door Switch	Air Dry	Dry Temp Button
	Display		Wrinkle Free Button
Toggle	Recycle On/Off	Easy Iron	Signal Button
Self Te	st Cycle	Rack Dry	Start Pause Button

Self Test

Select the "Rack Dry" cycle then press the Start Pause button to activate the test program.

- "88:88" appears in the display with the dryer in idle.
- "77:77" is displayed and the motor turn the drum clock wise.
- "66:66" is displayed and the motor turns the drum counter clock wise.

- "55:55" is displayed and the heater is turned on.
- "44:44" appears in the display and the heater remains on.
- "33:33" is displayed and the pump motor is turned on for 5 seconds.
- To end the tests press the power button.

Diagnostics Levels

The Diagnostic levels allow for various information to be extracted from the machine. There are a total of 7 different levels associated with the dryer as listed in the accompanying table. While in diagnostics use the "delay start + "MORE" & - "LESS" buttons to select the diagnostic level required

E.g. If diagnostics level d08 (Total hours run) is selected, after 1 second the information that corresponds to level d08 is displayed in the 7segment display





1 second later

shows 250 Hours

Level	Diagnostic info Displayed	Level	Diagnostic info Displayed
d 00	Last User Warning	d 07	Cycle count
d 01	Last User warning cycle count	d 08	Total hours run
d 03	Fault Code	d 09	Software Version
d 04	Last Fault Cycle count		

d 00: Last User Warning

The Last User Warning is displayed in the LED display.

d 01: Last User Warning Cycle Count

The cycle count at which the last user warning occurred which will display the 1,000s, 100's, 10's & 1's.

E.g. For a cycle count of 1010 cycles



d 03: Fault Code of Last Fault

The fault data will relate to a fault code as detailed. If 000 or --- is displayed no fault code has occurred.

d 04: Cycle Count at Last Fault

The cycle count at which the last user warning occurred is displayed via the screen which will display the 1,000s, 100's, 10's & 1's.

E.g. For a cycle count of 1010 cycles



d 07: Cycle count

The total number of Wash Cycles that the machine has completed displayed as 1,000s, 100's, 10's & 1's.

E.g. For a cycle count of 1010 cycles



d 08: Total Hours Run

The total number running hours the dryer has completed displayed as 1,000s, 100's, 10's & 1's.

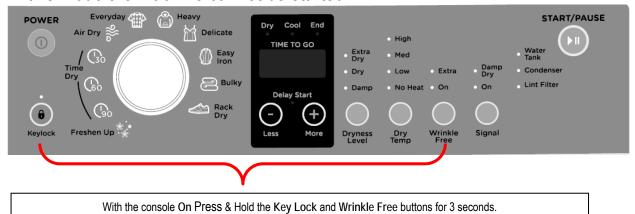
d 09: Software Version

Displays software version number

Show Room Mode

This feature is designed for in store demonstration purposes. So the machine can draw attention to itself.

In this mode the machine cannot be started.



To select demonstration mode:

Turn the machine on at the mains supply and off at the console.

Press and hold the KEYLOCK & WRINKLE FREE windle buttons for 3 seconds.

To return to normal operation, press the power button.

USER WARNINGS

There are a number of user warnings, which are generally caused by the user, poor installation or maintenance. These warnings should be able to be corrected by the user.

The machine signals user warnings by displaying a warning in plain text. Where multiple words are displayed one word at a time with 1 second pause between changing from one word to the other along with a rippling set of 5 beeps which are repeated every 6 seconds. This warning is also recorded in d00 diagnostics level.

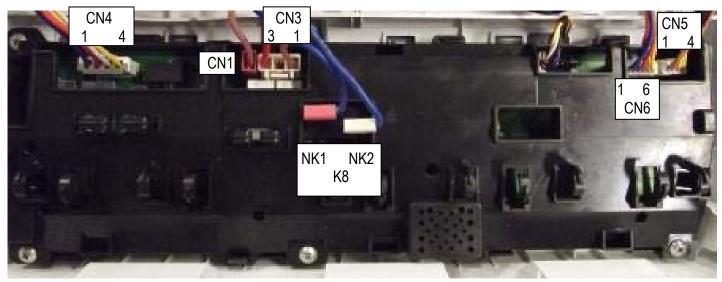
Description	Displayed as
Blocked Lint Filter	cln lint
Water Tank is Full	H2O full
Condenser requires cleaning	cln cond

FAULT CODES

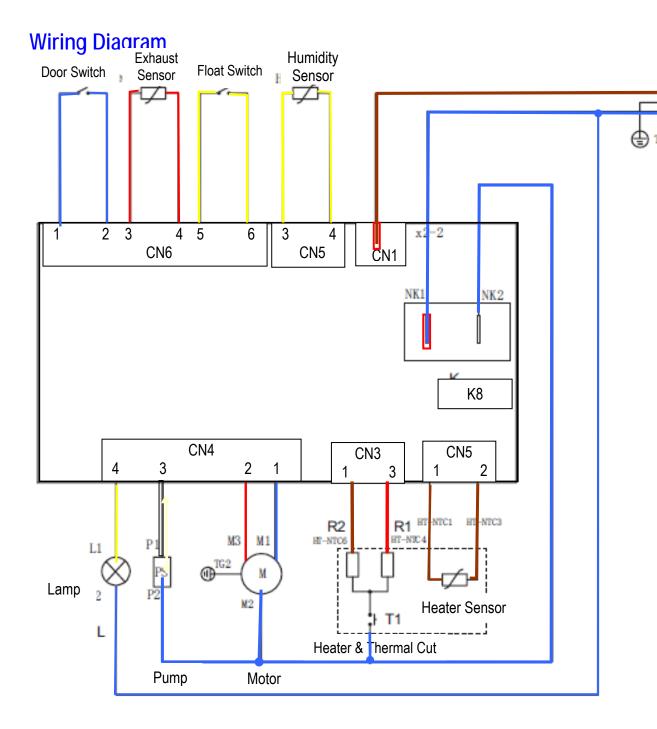
Before replacing any components always check the harness and connections.

Fault Code	Short Description	Reason
Err 2 Drain pump error		The float switch or pump has failed in
		the condensate collection tank.
Err 3	Exhaust thermistor error	The exhaust NTC thermistor and or its
		related circuitry have malfunctioned.
Err 4 No change in temperature		The heater and or its related circuitry
		have malfunctioned.
Err 6	Frr 6 Vent duct is restricted	The lint filter or condenser has
E11 0		restricted air flow
Err 9	Heater thermistor error	The heater NTC thermistor and or its
		related circuitry have malfunctioned.

Connector Layout



Control Module



Resistance 44 Ω
44 Ω
67 Ω
56 Ω
23 Ω
30 Ω
790 Ω
358 Ω
0.1 Ω
Infinite Ω
11 KΩ
0.1 Ω
Infinite Ω
KΩ's