

# INSTRUCTIONS FOR USE ELECTRONIC SENSING GAS DRYER

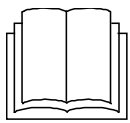


**White Knight**

**ECO 86A**

GB

**IMPORTANT**  
**FOR USE IN THE UNITED KINGDOM AND IRELAND WITH NATURAL GAS ONLY**  
**IMPORTANT**



**IMPORTANT: PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE USING THIS APPLIANCE. KEEP THEM IN A SAFE PLACE FOR FUTURE REFERENCE.**

## **SECTION 1: BEFORE USE**

### **\* Safety warnings**

These notes are provided in the interest of safety. You must read them before installing or using the appliance.

- This tumble dryer is intended for **NORMAL DOMESTIC USE ONLY**.
- The dryer must be installed by a Registered Installer.
- Any electrical work required to install the appliance should be carried out by a qualified person.
- The tumble dryer should be serviced by an appointed service organisation and only genuine parts used.
- It is recommended that the dryer be serviced annually by a person competent to service gas fired tumble dryers.

Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced

- persons may cause serious injury. Consult your local appointed service engineer and insist on genuine spare parts.
- The special mains cable and plug assembly must only be replaced with a genuine part available from the manufacturer or service agent.
  - Keep the packing materials from your machine away from children to avoid hazards.
  - Keep pets away from your machine.
  - Your machine is designed for use in a domestic environment. The warranty will be invalid if you use it for commercial purposes.

**DO NOT** - use a two-way adaptor, or extension lead. The dryer must be connected to its own socket.

**DO NOT** - block the air inlets at the front and back of your dryer.

**DO NOT** - exceed the recommended maximum load.

**DO NOT** - place articles in the dryer if anything other than a water solution has been used in the cleaning process.

**DO NOT** - dry unwashed items in the tumble dryer.

**DO NOT** - attempt to dry dripping wet articles.

**DO NOT** - use the tumble dryer if you suspect that it is damaged in any way.

### **\* User Information**

- **WARNING:** Never stop a tumble dryer before the end of a drying cycle unless all items are quickly removed and spread out so that heat is dissipated.
- Clean the lint filter after each drying cycle or the restrictions to airflow will extend drying times and could cause the limit thermostat to stop the burner firing for the remaining part of

the drying cycle. This will require the appliance being restarted.

- Under no circumstances should anything other than the recommended articles be placed in the tumble dryer.
- It is dangerous to alter or modify the product in any way other than fitting authorised accessories.
- The rear of the dryer gets quite hot during use. Position the dryer so that the back is not accessible while in operation.
- **DO NOT** - allow fluff to accumulate around the tumble dryer. It is important to clean fluff from the window of the dryer and around the door seal after each drying cycle. Failure to do so could result in water leaking.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Children of less than 3 years should be kept away unless continuously supervised.
- Items that have been soiled with substances such as cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the tumble dryer.
- Remove all objects from pockets such as lighters and matches.

- **DO NOT** – allow children to tamper with the controls and keep them away from the dryer when it is in operation.
- **DO NOT** – attempt to dry items containing foam rubber or rubber-like material.
- **DO NOT** - place items contaminated with inflammable substances in the dryer, such as petrol, cleaning solvents, cooking oil fat, or hair lacquer. This can cause fires. For the same reason, do not dry rubber, foam rubber, plastic or paper
- We suggest a fabric conditioner to be used to reduce static electricity.
- Fabric softeners, or similar products, should be used as specified by the Fabric Softener instructions.
- Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the tumble dryer.
- Do not tumble dry woollen or wool mixture articles unless the article is labelled to be. This should avoid shrinkage.
- Place delicate articles e.g. tights, scarves, inside a pillowcase.
- To avoid the need to iron easycare polyester/cotton items it is better to only dry small loads (i.e. half fill drum).
- It is better to dry small and large articles together.
- Do not overload the dryer or dry large bulky items such as duvets or sleeping bags as it is important that the airflow through the dryer is not obstructed.
- We recommend that the appliance is unplugged each time after use. It should always be disconnected from the electricity supply if it is to be left unattended for long periods (i.e. weekends, holidays etc).

- Adequate ventilation has to be provided to avoid the back flow of gases into the room from appliances burning other fuels, including open fires.

**WARNING:** The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.

**SECTION 1: BEFORE USE**

**SECTION 2: INSTALLATION**

- \* Safety Warnings
- \* User Information
- \* Venting
- \* Prior to Installation
- \* Positioning and Air Supply
- \* Final Installation

**SECTION 3: TECHNICAL SPECIFICATIONS**

**SECTION 4: CONTROL PANEL**

**SECTION 5: DRYING YOUR LAUNDRY**

- \* Before Drying
- \* Drying
- \* After Removing the Dried Clothes

**SECTION 6: ADDITIONAL INFORMATION**

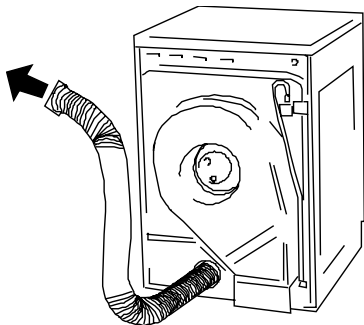
- \* Any Problems?
- \* Optional Extras

**SECTION 7: DOOR REVERSAL**

**SECTION 2: INSTALLATION**

**\* Venting**

For a safe and reliable installation please refer to the installation and service booklet.



**Fixed Rear Venting.**

The dryer vents through a hole at the bottom of the back panel. A vent hose must always be used to vent the warm damp exhaust air to outside.

The best solution is to make a permanent connection through either a wall or a window. This is particularly recommended for small, cool rooms and a kit for this purpose is available as an accessory.

**\*Venting**

When using the vent hose, remember the following points:

- The vent hose must be at least 10cm (4ins) in diameter.
- No more than three right-angled bends should be allowed when positioning the vent hose.
- Do not distort or constrict the vent hose as this will reduce the airflow.
- The vent hose must not be shared with other appliances, for example, a cooker hood outlet.
- When drying, the vent hose must always be extended through an open door, window or purpose made opening.

#### \* **Prior to Installation**

Check that the local distribution conditions, nature of gas, pressure and adjustment of the dryer are compatible.

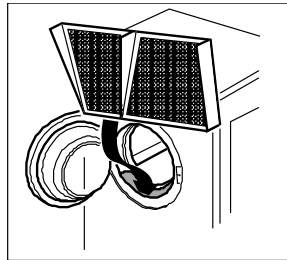
#### \* **Positioning and Air Supply**

The dryer must not be placed in a bedroom, bathroom, shower room, or locations where concentrations of flammable vapours may accumulate, but may be positioned against walls, other appliances, kitchen furniture and similar surfaces. A venting hose must be used. For safe operation, the room in which the dryer is placed must have a good supply of fresh air. This must include an openable window or equivalent which must always be open during the drying cycle.

The appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the tumble dryer.

#### \* **Final Installation**

Place the filter in its operating position as shown in the diagram. For cleaning the filter refer to Section 5: Drying your laundry.



If you wish to change the side on which your door opens, see **Section 7 - Door Reversal**. Remove any dust by wiping the drum and door with a damp cloth. Any initial smell of burning will be caused by dust on the heater and will quickly disappear. Position the tumble dryer so that the plug remains accessible after installation.

### **SECTION 3: TECHNICAL SPECIFICATIONS**

Overall Dimensions:

Height: 85 cm      Width: 59.6 cm      Depth: 58 cm

Maximum Dry Weight Loads:

Cotton 7kg, 'Easycare' polyester/cotton 7kg (for minimum creasing 3kg)      Delicates 7kg

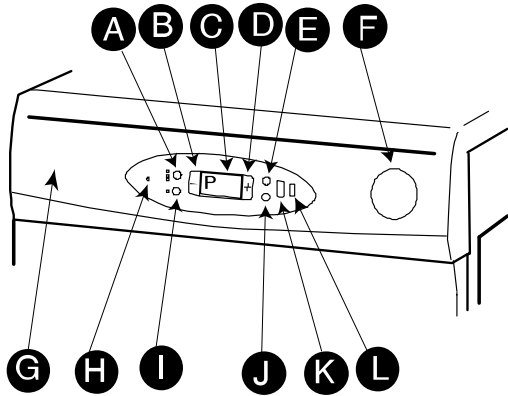
Heat Input – 3kW gross

The gas rate in cubic meters per hour in relation to the calorific value of the G20 gas to be used in the appliance is 0.285m<sup>3</sup>/hr”.

The appliance must be used with the vent hose provided. The vent hose must not be extended with a secondary hose. The hose must not be longer than 2.4m nor must it contain more than 3 90 degree turns. If these limits are exceeded the resistance of the exhaust duct will exceed the designed parameters.

For electrical and gas ratings see plate on back of dryer. For Model type see serial plate inside door, (needed when requesting service). Room temperature range 5°C to 30°C, (drying performance decreases as room temperature falls). Your washing machine should have a spin speed of not less than 1000rpm for maximum drying efficiency.

#### **SECTION 4: CONTROL PANEL**



- A.** Heat push button, press to select appropriate heat setting (some programs have limited choice of heat setting). High is used for drying cottons and linens; half heat is used for drying synthetics and delicates; cool does not apply any heat.
- B.** “-” push button, changes program or time selected downwards
- C.** Display Window, indicates program number / drying time / delay time
- D.** “+” push button, changes program or time selected upwards
- E.** Start push button, push to start the drying cycle
- F.** Activate push button; press to illuminate the Display Window.
- G.** Program Chart.
- H.** Gas On Neon
- I.** Anti-crease push button, press to select anti-crease mode. Indicator illuminates when anti-crease has been selected and flashes when the dryer is in the anti-crease phase of the cycle
- J.** Reset push-button, resets the program to the default settings
- K.** Delay Start display, shows delay time selected
- L.** Delay Start push button, press to select delay start mode and set delay time

#### **MOISTURE SENSING DRYER – FUNCTIONS**

This sensing tumble dryer has a full moisture sensing system so you can choose the level of dryness required on your clothing/items. Alternatively you can select a timed drying cycle.

- P1 – Extra dry: clothes are extra dry and can be put away
  - P2 – Cupboard dry: clothes are dry enough to be put away
  - P3 – Mid dry: depending upon fabric, clothes are generally dry enough to be put away
  - P4 – Extra iron dry: clothes are almost dry but can be easily ironed
  - P5 – Iron dry: clothes are slightly damp and ready to be ironed
  - P6 – Damp dry: clothes are damp and ready to be ironed
- Programs 1-6 can be operated on the full heat, half heat or cool setting.

- P7 – 30 minute fixed time drying program. This program can be operated on the full or half heat setting.
- P8 – 30 minute fixed time ‘airing’ program; useful for freshening up clothing. This program operates without the heater, circulating air through the dryer at the ambient temperature.

P9 – Variable Time program – can be set from 10 min. to 180 min. drying time and can be operated on the full heat, half heat or cool setting. To return from a time program to the main menu, press the Reset button.

All programs from P1 to P9 can be used with the Delay Start feature. A maximum of 9 hours delay time is available in 1 hour increments.

The anti-crease function can be selected to minimize creasing by continuing to turn the drum periodically after the main drying cycle has finished.

The standard cotton programme is suitable to dry normal wet cotton laundry. It is the most efficient programme in terms of energy consumption for drying wet cotton laundry.





Your appliance is a reversing, small door opening dryer. A full load will typically take 113 minutes and will use approximately 2.23kWh of energy. A half load will typically take 65 minutes and will use approximately 1.17kWh of energy.

The power consumption of the off-mode and the left-on mode is zero.

## **SECTION 5: DRYING YOUR LAUNDRY**

\* **Before Drying** - Check care labels inside the garments

### **CARE LABELS YOU MAY FIND ON YOUR FABRICS**

 Suitable for tumble drying
 Tumble dry using full heat
 Tumble dry using half heat
 Do not tumble dry

### \* **Drying**

When starting the dryer for the first time, or starting after temporary disconnection from the gas supply, air in the pipes will prevent ignition. To clear this air, the dryer must be operated by selecting extra dry and pressing Activate and Start. Allow the dryer to operate for 1/2 minute before stopping the dryer. Repeat this process until continuous burning of the gas is indicated by the neon light on the control panel. (The light will go out when in reverse tumble).

## **OPERATION**

Open the door.

Load clothes loosely into the drum. Load sheets first, starting with one corner. –

The appliance is not to be operated without the lint filter in place

Close the door.

Dry your hands.

Plug in the machine and press the Activate button. The Display Window will illuminate. If no further buttons are pressed, the display will go into sleep mode after 1 minute. To reactivate, press the Activate button.

The dryer will automatically remember the program and heat setting last used. To change the program use the (-) or (+) buttons on either side of the display window. Change the heat setting if required.



If P9 (variable time program) has been selected press the coloured Start button. A default of 120 minutes will appear in the display window. Use the (-) or (+) buttons to adjust the drying time for your laundry from 10 minutes up to 180 minutes. Holding the button down will rapidly change the time selected.

Select anti-crease function if required.

Press the coloured Start button to commence the drying cycle. The drum will begin rotating and will stop automatically when your clothes are dry or the timed cycle has finished. An audible alert will sound to indicate that the drying cycle has finished.

If you have selected the anti-crease function, the drum will continue to turn periodically for up to 8 hours or until the dryer is stopped by opening the dryer door or by disconnecting from the mains.

If the door is opened during a drying cycle the dryer will stop. To restart, close the door, press the Activate button then press the coloured Start button.

Once the Start button has been pressed, the program is locked and all buttons are disabled. To stop the machine and unlock the buttons - open the door

There is an automatic 12 minute cool down period at the end of each cycle, during which the heater is switched off and the green cool indicator is on. This helps to minimize creasing, and must always be used fully to avoid the risk of fire.

### **DELAY START**

To use the Delay Start feature press the Delay Start button before pressing the Start button. The Delay Start display will show 1 hour of delay time. Repeated pressing, or holding down, of the Delay Start button will increase the amount of delay time to a maximum of 9 hours. To cancel Delay Start, press the Reset button. To start the delay period press Start. The delay time will start to count down in the display window. To cancel Delay Start once the countdown has started, de-power the machine by opening the dryer door.

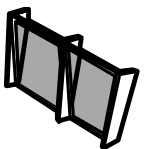
### **NEVER SWITCH THE DRYER OFF AND LEAVE A HOT LOAD IN THE DRUM DUE TO THE RISK OF FIRE.**

- When drying large items such as sheets, we suggest you periodically stop the dryer to redistribute the load, and restart it immediately afterwards.

- To stop the machines during the middle of the programme simply open the door; the drum will stop rotating automatically. To restart the machine, close the door, press the Activate button and then press the Start button.

### **\* After removing the dried clothes**

**ALWAYS CLEAN THE FILTER.** Failure to clean the filter will extend drying times and could cause the safety cut-out to operate.



- Pull the filter upwards and away from the appliance
- Remove any threads or fluff by hand or with a soft brush.
- Slide the filter back.
- Wash the filter occasionally in detergent solution and with a soft brush to remove small particles.
- If your filter becomes damaged, replace it to ensure no damage is caused to the dryer.

## **SECTION 6: ADDITIONAL INFORMATION**

### **\* Any Problems?**

If the clothes are not dry after normal drying time:

- Check that you have selected an appropriate programme and heat setting
- Check that the lint filter has been cleaned. A blocked filter will restrict the airflow.
- Check that the venting system is clear, and the front air inlet is not blocked.
- Ensure the dryer is not overloaded. Restart the appliance with 'Extra Dry' selected and the heat switch on the high setting, press Activate and then Start buttons and observe the neon remains lit for more than one minute. If the neon goes out within the minute wait a further three minutes before stopping and restarting the appliance by opening and closing the door and pressing the Activate button and then the Start button. Observe the neon remains lit for more than one minute and the appliance continues to heat throughout the cycle (the window remains warm) and the clothes are dry at the end of the cycle.

## **CUSTOMER ADVICE – BEFORE CALLING FOR ASSISTANCE**

If the clothes are not dry after normal drying time:

- Check that you used the correct heat setting.
- Check that you have not set the timer within a cool down period.
- Check that the lint filter has been cleaned. A blocked filter will restrict the airflow.
- Check that your dryer is heating - below the door to the left side, should feel warm to the touch after the first 10-15 minutes of its programme.

Make sure the filter is clean, the air inlets and outlets at the side and back are not blocked, and that all other restrictions are removed before re-starting.

Check that the machine has the correct weight load in the drum before starting the appliance.

If your machine does not work check the following before calling a service engineer:-

- Check that there is a supply of electricity.
- Check that the door has been properly closed and the machine is switched on.
- Check the fuse in the moulded plug.

**A call out charge will be applied for a service visit, if the call could have been avoided by following these instructions.**

## **ESSENTIAL CONTACT INFORMATION FOR “IN GUARANTEE” AND “OUT OF GUARANTEE” REPAIRS.**

If problems continue after checking the above points you should **contact our service agent**. Please ensure that you have your serial number and model number to hand when you make the call. To locate the serial number on your dryer, open the door and look for a white label inside the door opening. This will indicate the appliance model number along with the serial number.

### **APPROVED SERVICE AGENTS:**

White Knight (Whirlpool) 0800 988 1323 (calls are free from landlines however calls from mobiles may be charged at your network provider's rates)

**OR**

White Knight (0800 Repair): 0344 8797422 (Calls charged at basic rate).

Northern Ireland Only: (Service Network 2000) 028 90365222 (Daytime calls cost up to 14p plus 8p per minute from BT lines Monday-Friday. Mobile and other providers' charges may vary).

**\*Optional Extras**

Restraining Kit - To prevent damage to the gas connection should you move the dryer.

Vent Hose - Leads the warm damp air to an open door or window.

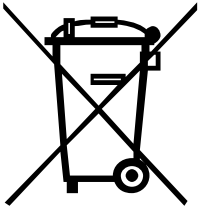
Wall/Window Vent Kit - To make a permanent connection through a wall or window.

Stacking Kit - To enable your dryer to be secured onto the top of a front loading washing machine (to save floor space).

The above items can be purchased as accessories for your tumble dryer from your supplier.

Instructions for stacking, if required, are supplied with the stacking kit.

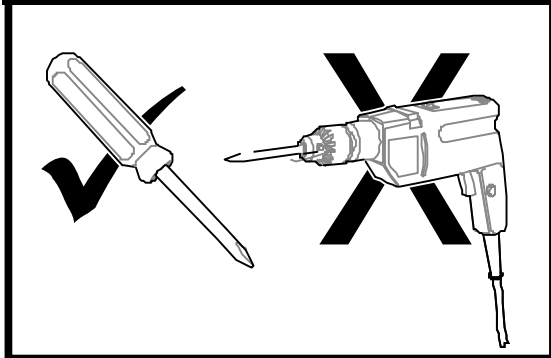
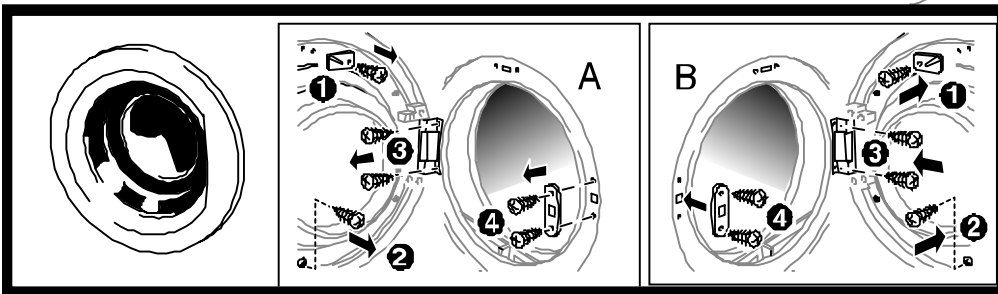
**THIS APPLIANCE MUST BE EARTHED**



This appliance is marked according to the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE).

At end of life this product should be recycled and not disposed in household waste. Contact your retailer, council or local authority for further information.

**SECTION 7: DOOR REVERSAL**



	Gas SDO MF
Suppliers name or trade mark	WHITE KNIGHT
Model identifier	86A - TYPE
Rated capacity at full load	7kg
Appliance type	Gas
Energy efficiency class	A+
Energy consumption of the appliance*	261kWh
The figures above is based on 160 drying cycles of the standard cotton programme at full and partial load and the consumption of the low-power modes. Actual energy consumption per cycle will depend on how the appliance is used.	
Automatic/non-automatic	Automatic
EU Ecolabel	N/A
$E_{dry}$	2.23kWh
$E_{dry\frac{1}{2}}$	1.17kWh
$E_{g_{dry}}$	4.84kWh
$E_{g_{dry\frac{1}{2}}}$	2.55kWh
$E_{g_{dry,a}}$	0.29kWh
$E_{g_{dry\frac{1}{2},a}}$	0.15kWh
Off mode power ( $P_o$ )	0.03W
Left on mode power ( $P_l$ )	0.03W
Duration of left-on mode	N/A
The standard cotton programme used at full and partial load is the standard drying programme to which the information in the label and the fiche relates. This programme is suitable for drying normal wet cotton laundry. It is the most efficient programme in terms of energy consumption for cotton.	
$T_t$	84mins
$T_{dry}$	113mins
$T_{dry\frac{1}{2}}$	65mins
Condensing efficiency class	N/A
$C_t$	N/A
$C_{dry}$	N/A
$C_{dry\frac{1}{2}}$	N/A
Sound power level	62dBA
Built in/not built in	This appliance is not intended to be built in.

**Manufactured by: Crosslee plc. Hipperholme, Halifax, West Yorkshire HX3 8DE**

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