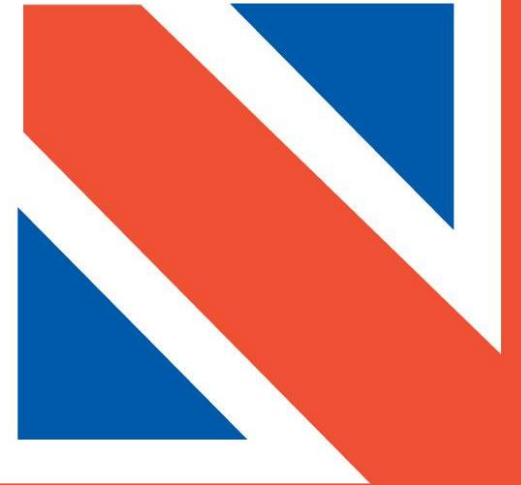


ErP: An Installers Guide

Understanding & complying with ErP Directives for
Ground Source Heat Pumps



Britain's No. 1 manufacturer & supplier of ground source heat pumps



Chapter 3:

How to produce the package fiche & label:

How Kensa can help installers



The package fiche

Package fiche: Who does what

Suppliers (Kensa) are required to:

- Provide a product fiche at the point of sale.
- This allows the production of the package fiche by the installer.
- Kensa will supply product fiches within the packaging of every Kensa unit from the 26th September 2015.

Installers (you) are required to:

- Provide the product fiche and produce and provide a package fiche to the consumer when you complete a ground source heat pump installation.

*Remember:
If you use Kensa's MCS
Umbrella, Kensa will
produce the package fiche
and label for you to
provide to your customer*

Package fiche: The basics

- In order to produce the package label you first need to produce the package fiche.
- Installers will be required to complete a package fiche when they complete a ground source heat pump installation featuring new controls (and / or solar thermal or a supplementary boiler).
- All of the data for your ground source heat pump system package fiche is readily available in the product fiches supplied by Kensa and the other component manufacturers.

Package fiche: The basics

For preferential heat pump space heaters and preferential heat pump combination heaters, element of the fiche for a package of space heater, temperature control and solar device and a package of combination heater, temperature control and solar device, respectively, indicating the seasonal heating energy efficiency of the package offered.

Seasonal space heating energy efficiency of heat pump %

Temperature Control

From Fiche of Temperature Control %

Supplementary boiler

From Fiche of boiler %

Solar Contribution

From Fiche of solar device x + x x x / 100) x = %

Seasonal space heating efficiency of package under average climate %

Seasonal space heating energy efficiency class of package under average climate

☐ G ☐ F ☐ E ☐ D ☐ C ☐ B ☐ A ☐ A+ ☐ A++ ☐ A+++

<30% ≥30% ≥34% ≥36% ≥75% ≥82% ≥90% ≥98% ≥125% ≥150%

Seasonal space heating energy efficiency under colder and warmer climate conditions.

Colder : - = % Warmer: + = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

- Kensa has created an online template for you to produce a package fiche:
www.kensaheatpumps.com/installer-portal/business-support/erp-support/package-fiche-template/
- The package fiche must contain information on the performance and efficiency of the products installed, as detailed in the product fiches supplied by the supplier, manufacturer, or distributor.

Kensa's package fiche template

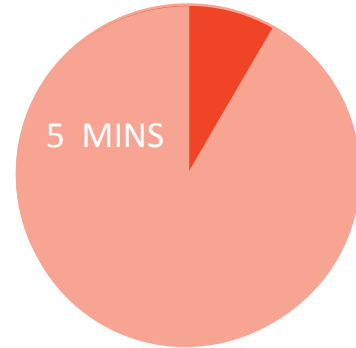


How to complete a package fiche

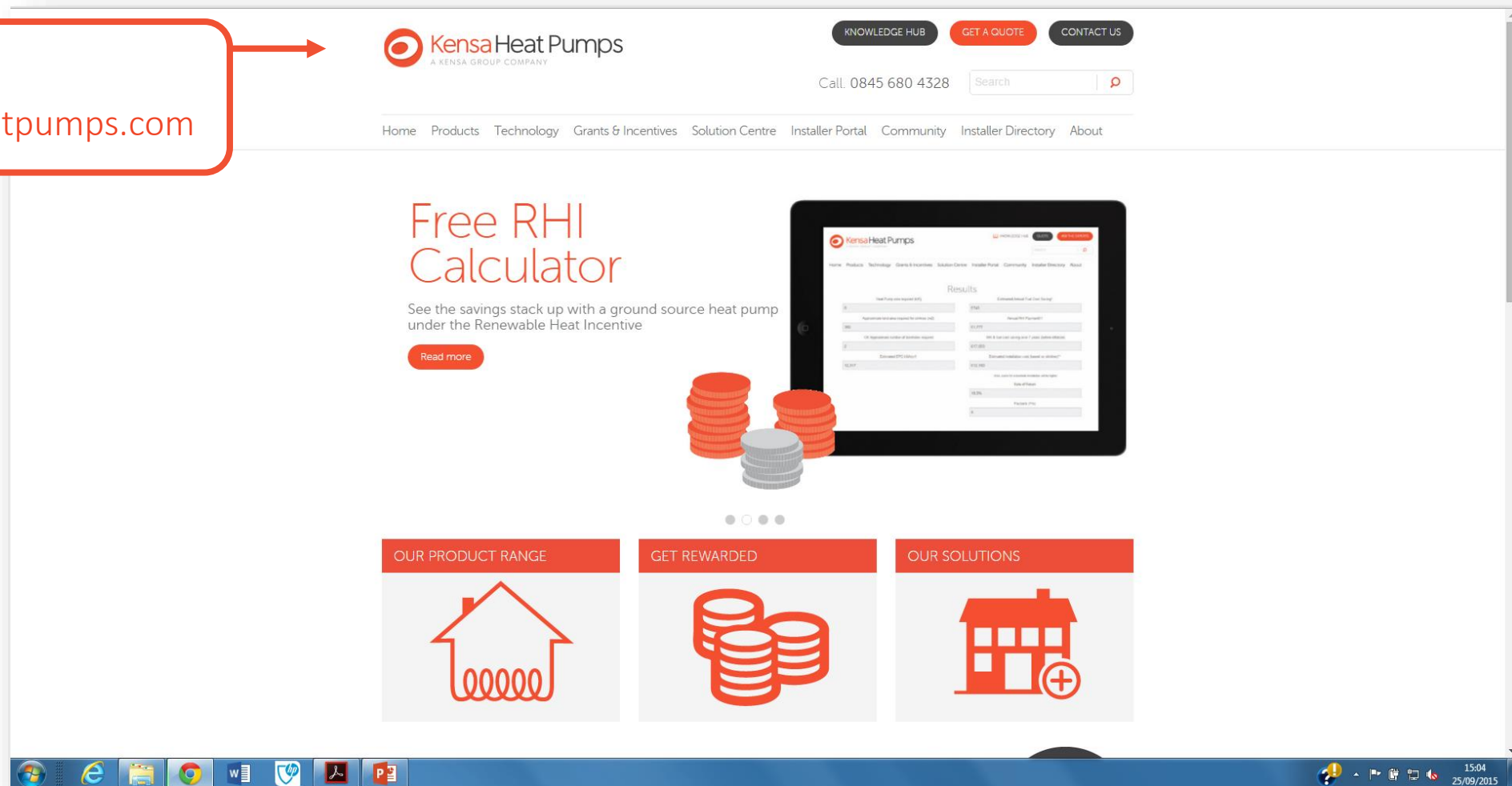
Package fiche: Checklist

What you will need:

- ✓ The product fiche for the Kensa heat pump, and all other system components.
- ✓ A computer to visit www.kensaheatpumps.com/installer-portal/business-support/erp-support/package-fiche-template/ to download the calculation spreadsheet.
- ✓ A printer to produce the package fiche as a hard copy.



Visit:
www.kensaheatpumps.com



Select 'Installer Portal' in the main menu, and click on 'ErP Support' in the dropdown menu

The screenshot shows the Kensa Heat Pumps website. The header includes the Kensa Heat Pumps logo (A KENSA GROUP COMPANY), navigation buttons for KNOWLEDGE HUB, GET A QUOTE, and CONTACT US, a phone number (Call. 0845 680 4328), and a search bar. The main navigation menu includes Home, Products, Technology, Grants & Incentives, Solution Centre, Installer Portal, Community, Installer Directory, and About. A red arrow points from the 'Installer Portal' menu item to a dropdown menu that contains 'ErP Support', 'Business Support', 'Knowledge Hub', 'Underground Network', and 'Installer Directory'. The 'ErP Support' option is highlighted. Below the navigation menu, there is a large section titled 'Free RHI Calculator' with the text 'See the savings stack up with a ground source heat pump under the Renewable Heat Incentive' and a 'Read more' button. To the right of this section is a tablet displaying a 'Results' page with various financial figures. In front of the tablet are several stacks of coins, representing savings. The browser's address bar shows the URL: www.kensaheatpumps.com/installer-portal/business-support/erp-support/. The Windows taskbar at the bottom shows the time as 15:05 on 25/09/2015.

Kensa Heat Pumps
A KENSA GROUP COMPANY

KNOWLEDGE HUB GET A QUOTE CONTACT US

Call. 0845 680 4328 Search

Home Products Technology Grants & Incentives Solution Centre Installer Portal Community Installer Directory About

ErP Support
Business Support
Knowledge Hub
Underground Network
Installer Directory

Free RHI Calculator

See the savings stack up with a ground source heat pump under the Renewable Heat Incentive

Read more

Results

Heat Pump size required (kW)	Estimated Annual Fuel Cost Savings
8	£745
Approximate land area required for installation (m ²)	Annual RHI Payment
360	£1,777
OR Approximate number of boreholes required	RHI & fuel cost saving over 7 years before installation
2	£17,880
Estimated CPC subsidy	Estimated installation cost based on electricity
14,217	£12,160
	Net cost for renewable installation with RHI
	Rate of Return
	18.3%
	Payback (Yrs)
	6

www.kensaheatpumps.com/installer-portal/business-support/erp-support/

15:05
25/09/2015

Business Support

ErP Resource


Effective from the 26th September 2015:

Under EU regulations ground source heat pumps (as well as air source heat pumps, boilers and water heaters) are required by law to have labels to show their energy performance as an individual product and when part of an overall heating system.


Kensa Heat Pumps have compiled this comprehensive resource to help guide installers through ErP compliance.

Find answers to your ErP questions here:


ErP Video Guides




ErP PDF Guides



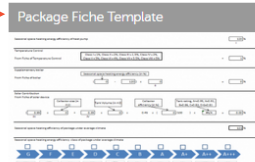
ErP Factsheets



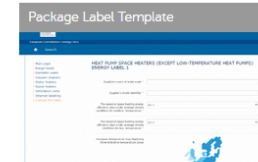
Further Reading




Package Fiche Template



Package Label Template



Kensa ErP Logo



Click on the box
'Package Fiche
Template' to access
Kensa's online package
fiche template

Now you can begin to produce your package fiche

The image shows a screenshot of the Kensa Heat Pumps website and an Excel spreadsheet. The website header includes the Kensa Heat Pumps logo, navigation links (KNOWLEDGE HUB, GET A QUOTE, CONTACT US), a search bar, and a phone number (Call. 0845 680 4328). The main content area is titled "ErP Support" and "Package Fiche Template". Below this, an Excel spreadsheet titled "EU package label calculator WEBSITE VERSION 250915.xlsx" is displayed. The spreadsheet contains a form for calculating the seasonal space heating energy efficiency of a package offered. The form includes sections for "Heat Pump (Preferential heater)", "Temperature Control", and "Supplementary Boiler". The "Heat Pump" section has input fields for "Seasonal space heating efficiency of heat pump (From Heat pump product fiche)" with sub-fields for "Average", "Warmer", and "Colder", and a field for "Rated of heat pump" in kW. The "Temperature Control" section has a dropdown menu for "On/Off Room Thermostat". The "Supplementary Boiler" section has input fields for "Supplementary boiler seasonal space heating efficiency (from boiler fiche)" and "Declared output of the supplementary heater" in kW. The spreadsheet also includes a "Storage tank" section. The Excel interface shows the "File" menu, "Edit" view, and "Insert" format. The status bar at the bottom of the Excel window indicates "Waiting for csi.gstatic.com...". The Windows taskbar at the bottom shows the time as 15:07 on 25/09/2015.

Kensa Heat Pumps
A KENSA GROUP COMPANY

KNOWLEDGE HUB GET A QUOTE CONTACT US

Call. 0845 680 4328

Home Products Technology Grants & Incentives Solution Centre Installer Portal Community Installer Directory About

Home / Installer Portal / Business Support / ErP Support / Package Fiche Template

ErP Support

Package Fiche Template

EU package label calculator WEBSITE VERSION 250915.xlsx

File Edit View Insert Format Data Tools Add-ons Help Last edit was 18 minutes ago

fx

1

2 Data Input for calculating the seasonal space heating energy efficiency of the package offered.

3

4

5 **Heat Pump (Preferential heater)**

6

7 Seasonal space heating efficiency of heat pump Average %

8 (From Heat pump product fiche) Warmer %

9 Colder %

10

11 Rated of heat pump kW

12

13

14

15 **Temperature Control** On/Off Room Thermostat

16

17

18

19 **Supplementary Boiler**

20

21 Supplementary boiler seasonal space heating efficiency (from boiler fiche) %

22 Declared output of the supplementary heater kW

23 Storage tank

24

Waiting for csi.gstatic.com...

15:07
25/09/2015

Model: M210-T14

Air-to-water heat pump: No

Water-to-water: No

Bi-directional: Yes

Low temperature heat pump: No

Equipped with a supplementary heater: No

Heat pump combination heater: No

Average Climate Conditions

Item	Symbol	Value	Unit
Rated heat output	Protd	19	kW
Declared capacity for heating for unit load at indoor room temperature 20°C and outdoor temperature T _o			
T _o = -7°C	P _{oH}	19.4	kW
T _o = -2°C	P _{oH}	19.7	kW
T _o = +7°C	P _{oH}	19.9	kW
T _o = +12°C	P _{oH}	20.1	kW
T _o = outdoor temperature	P _{oH}	19.9	kW
T _o = operation limit temperature	P _{oH}	N/A	kW
For air-to-water heat pumps T _o = -15°C (R TOL < 20°C)	P _{oH}	N/A	kW
Evaporator temperature	T _{oV}	-30	°C
Cycling interval capacity for heating	P _{oHcyc}	N/A	kW
Degradation coefficient	G _c (A)g _d	0.98	
Test point	A	0.99	
	B	0.98	
	C	0.98	
	D	0.98	
	E	0.98	
Power consumption in modes other than heating			
Off mode	P _{oFF}	0	kW
Thermostat-off mode	P _{oFO}	0.300	kW
Standby mode	P _{oSB}	0	kW
Circulate heater mode	P _{oCR}	0	kW
Other limits			
Capacity control		fixed	
Sound power level Indoor/outdoor	LWA	62	dB
Annual energy consumption	QNE	11.747	kWh



Item	Symbol	Value	Unit
Seasonal space heating energy efficiency		117	%
Declared coefficient of performance or primary energy ratio for unit load at indoor room temperature 20°C and outdoor temperature T _o			
T _o = -7°C	COP _{oH}	2.75	
T _o = -2°C	COP _{oH}	3.10	
T _o = +7°C	COP _{oH}	3.45	
T _o = +12°C	COP _{oH}	3.75	
T _o = outdoor temperature	COP _{oH}	2.65	
T _o = operation limit temperature	COP _{oH}	N/A	
For air-to-water heat pumps T _o = -15°C (R TOL < 20°C)	COP _{oH}	N/A	
For air-to-water heat pumps. Operation limit temperature	COP _{oH}	N/A	
Cycling interval capacity	COP _{oHcyc}	N/A	
Heating water overating limit temperature	WPTOL	65	°C
Supplementary heater			
Rated heat output	P _{oHsp}	N/A	kW
Type of energy input		N/A	
For air-to-water heat pumps. Rated air flow rate indoors			
		N/A	m ³ /h
For water-to-air or air-to-water heat pumps. Rated prime or water flow rate, outdoor heat exchanger			
		3.64	m ³ /h

Contact details:
Kensa Heat Pumps Limited | Kensa House | Mount Wellington | Chesham | Telford | FK8 2JH
T: 0845 450 4325 E: info@kensaheatpumps.com W: www.kensaheatpumps.com

- You will need to refer to the product fiche that was supplied in the packaging of your Kensa heat pump, and all other manufacturers components, in order to complete the package fiche spreadsheet.

Enter data from the ground source heat pump product fiche into the package fiche template

Data Input for calculating the seasonal space heating energy efficiency of the package offered.

Heat Pump (Preferential heater)

Seasonal space heating efficiency of heat pump
(From Heat pump product fiche)

Average %
Warmer %
Colder %

P rated of heat pump kW

Temperature Control

Supplementary Boiler

Supplementary boiler seasonal space heating efficiency (from boiler fiche) %
Declared output of the supplementary heater kW
Storage tank

Solar Thermal System

Solar Contribution

Collector size m²
Tank Volume m³
Collector efficiency %
Tank Rating

Average Climate Conditions

	Symbol	Value	Unit
Rated heat output	Prated	19	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency		117	%

Data Input for calculating the seasonal space heating energy efficiency of the package offered.

Heat Pump (Preferential heater)

Seasonal space heating efficiency of heat pump
(From Heat pump product fiche)

Average %
Warmer %
Colder %

P rated of heat pump

kW

Temperature Control

Supplementary Boiler

Supplementary boiler seasonal space heating efficiency (from boiler fiche)

%

Declared output of the supplementary heater

kW

Storage tank

Solar Thermal System

Solar Contribution

Collector size m²
Tank Volume m³
Collector efficiency %
Tank Rating

Warmer Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	<i>Prated</i>	19	kW	Seasonal space heating energy efficiency		119	%

Data Input for calculating the seasonal space heating energy efficiency of the package offered.

Heat Pump (Preferential heater)

Seasonal space heating efficiency of heat pump
(From Heat pump product fiche)

Average %
Warmer %
Colder %

P rated of heat pump

kW

Temperature Control

Supplementary Boiler

Supplementary boiler seasonal space heating efficiency (from boiler fiche)

%

Declared output of the supplementary heater

kW

Storage tank

Solar Thermal System

Solar Contribution

Collector size m²
Tank Volume m³
Collector efficiency %
Tank Rating

Colder Climate Conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Seasonal space heating energy		119	%	Seasonal space heating energy		119	%

Select the type of
temperature control
used

Data Input for calculating the seasonal space heating energy efficiency of the package offered.		
Heat Pump (Preferential heater)		
Seasonal space heating efficiency of heat pump (From Heat pump product fiche)	Average	<input type="text" value="117"/> %
	Warmer	<input type="text" value="119"/> %
	Colder	<input type="text" value="119"/> %
P rated of heat pump		<input type="text" value="19"/> kW
Temperature Control		
		<input type="text" value="On/Off Room Thermostat"/>
Supplementary Boiler		
Supplementary boiler seasonal space heating efficiency (from boiler fiche)		<input type="text"/> %
Declared output of the supplementary heater		<input type="text"/> kW
Storage tank		<input type="text"/>
Solar Thermal System		
Solar Contribution	Collector size	<input type="text"/> m2
	Tank Volume	<input type="text"/> m3
	Collector efficiency	<input type="text"/> %
	Tank Rating	<input type="text"/>

Input the details from other manufacturers product fiches if a supplementary boiler and / or solar thermal have also been installed

Data Input for calculating the seasonal space heating energy efficiency of the package offered.	
Heat Pump (Preferential heater)	
Seasonal space heating efficiency of heat pump (From Heat pump product fiche)	Average <input type="text" value="117"/> % Warmer <input type="text" value="119"/> % Colder <input type="text" value="119"/> %
P rated of heat pump	<input type="text" value="19"/> kW
Temperature Control	
	<input type="text" value="On/Off Room Thermostat"/>
Supplementary Boiler	
Supplementary boiler seasonal space heating efficiency (from boiler fiche)	<input type="text"/> %
Declared output of the supplementary heater	<input type="text"/> kW
Storage tank	<input type="text"/>
Solar Thermal System	
Solar Contribution	Collector size <input type="text"/> m ²
	Tank Volume <input type="text"/> m ³
	Collector efficiency <input type="text"/> %
	Tank Rating <input type="text"/>

Now select the tab 'Fiche'

Supplementary Boiler

Supplementary boiler seasonal space heating efficiency (from boiler fiche) %

Declared output of the supplementary heater kW

Storage tank

Solar Thermal System

Solar Contribution

Collector size m²

Tank Volume m³

Collector efficiency %

Tank Rating

The final package label can be generated and printed off using the information in the package fiche at <http://eepf-energylabelgenerator.eu/eepf-labels/label-type/space-heaters>

View our Awards & Accreditations

16:03 25/09/2015

The data you entered on the previous tab has autocompleted all of the fields in the package fiche tab.

For preferential heat pump space heaters and preferential heat pump combination heaters, element of the fiche for a package of space heater.

F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
7														
8	mp										117	%		
9											I			
10														
11														
12														
13														
14														
15														
16														
17														
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36														
37														
38														
39														
40														

Class I = 1%, Class II = 2%, Class III = 1.5%, Class IV = 2%, Class V = 3%, Class VI = 4%, Class VII = 3.5%, Class VIII = 5%

Seasonal space heating energy efficiency (in %)

() - 117) x 0 = 0 %

Tank Volume (in m3) Collector efficiency (in %) Tank rating, A+=0.95, A=0.91, B=0.86, C=0.83, D-G=0.81

0.55 x () x 0.45 x () / 100 x #N/A = 0.00 %

average climate 118 %

Package under average climate

D C B A A+ A++ A+++

>36% >75% >82% >90% >98% >125% >150%

Check the % for the 'Seasonal space heating efficiency of package under average climate'

For preferential heat pump space heaters and preferential heat pump combination heaters, element of the fiche for a package of space heater.

F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
7														
8	mp										117	%		
9											I			
10														
11														
12	Class I = 1%, Class II = 2%, Class III = 1.5%, Class IV = 2%, Class V = 3%, Class VI = 4%, Class VII = 3.5%, Class VIII = 5%													
13											+	1	%	
14														
15														
16														
17	Seasonal space heating energy efficiency (in %)													
18														
19	(-	117)	
20											x			
21														
22														
23														
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25														
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34														
35														
36														
37														
38														
39														
40														

average climate 118 %

package under average climate

☐ D
 ☐ C
 ☐ B
 ☐ A
 ☐ A+
 ☐ A++
 ☐ A+++

>36% >75% >82% >90% >98% >125% >150%

Input Sheet Fiche Temp control definitions

Print off the document and tick the corresponding class of package based on the 'Seasonal space heating efficiency of package under average climate' %

Finished!

You have just produced
your package fiche.

You can now file this
ready to give to your
customer, with the
package label.

Next: How to produce
the package label.

For preferential heat pump space heaters and preferential heat pump combination heaters, element of the fiche for a package of space heater, temperature control and solar device and a package of combination heater, temperature control and solar device, respectively, indicating the seasonal heating energy efficiency of the package offered.

Seasonal space heating energy efficiency of heat pump %

Temperature Control
From Fiche of Temperature Control + %

Supplementary boiler
From Fiche of boiler
 -) × = %

Solar Contribution
From Fiche of solar device
Collector size (in m²) × + × × 0.45 × (/ 100) × = %

Seasonal space heating efficiency of package under average climate %

Seasonal space heating energy efficiency class of package under average climate

G	F	E	D	C	B	A	A+	A++	A+++
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<30%	≥30%	≥34%	≥36%	≥75%	≥82%	≥90%	≥98%	≥125%	≥150%

Seasonal space heating efficiency under colder and warmer climate conditions.

Colder : - = % Warmer: + = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.



The package label

Package label: Who does what

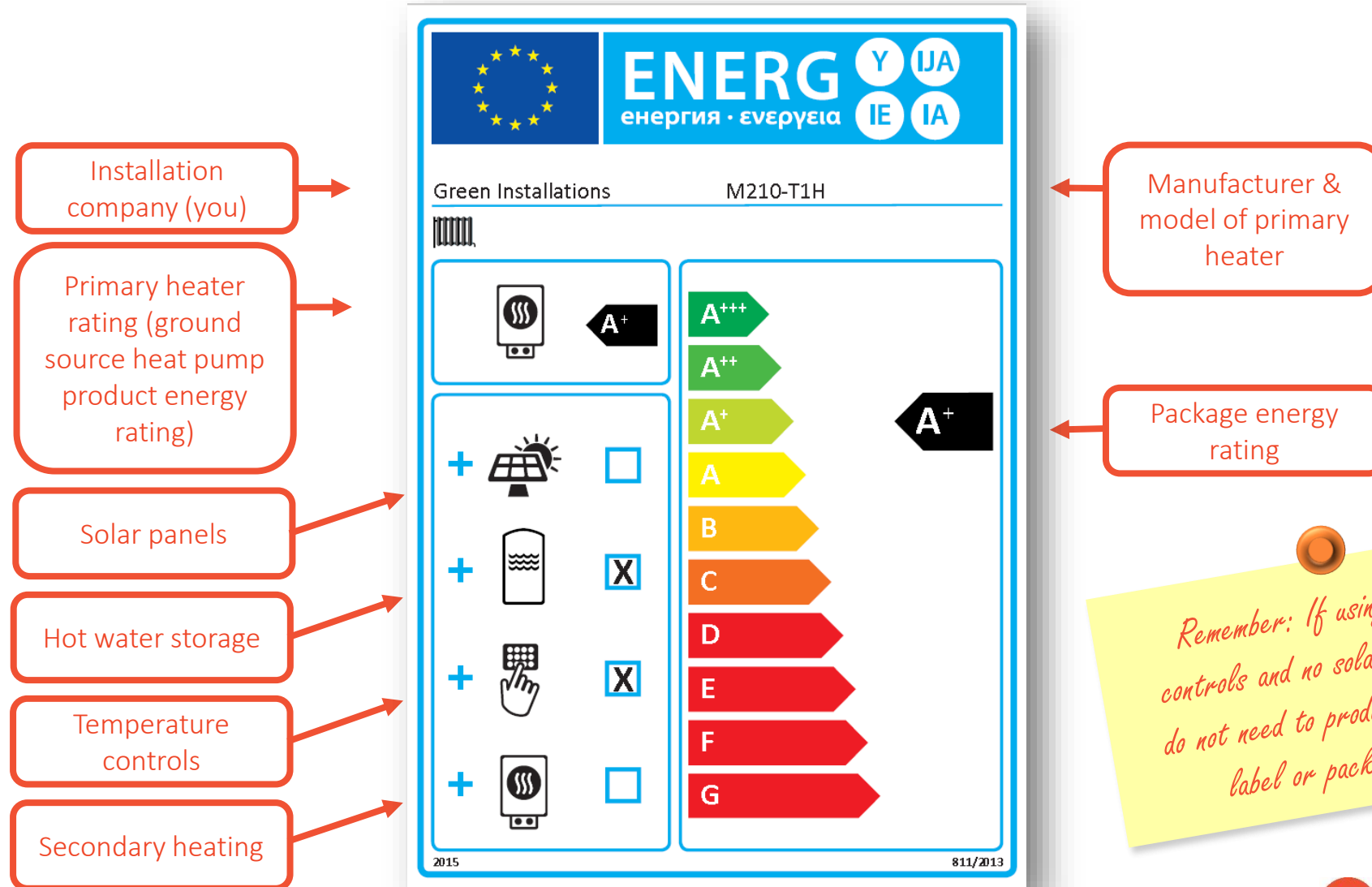
Suppliers (Kensa) are required to:

- Provide a product label at the point of sale.
- This allows the production of the package label by the installer.
- Kensa will supply product labels within the packaging of every Kensa unit from the 26th September 2015.

Installers (you) are required to:

- Provide the product label and produce and provide a package label to the consumer when you complete a ground source heat pump installation.

Package label: What it looks like



Remember: If using existing controls and no solar panels you do not need to produce a package label or package fiche

Package label: How Kensa can help you

- The data to produce your package energy label is taken from your package fiche.
- A simple to use online tool for the calculation of the package label is available here: <http://eepf-energylabelgenerator.eu>
- Kensa is also available to offer advice during the production of your package fiche and package label.

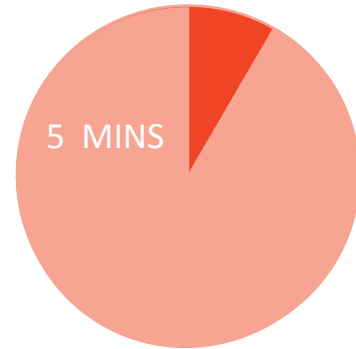


How to complete a package label

Package label: Checklist

What you will need:

- ✓ The product label.
- ✓ The product fiche.
- ✓ The package fiche.
- ✓ A computer to visit <http://eepf-energylabelgenerator.eu> to access the label generator.
- ✓ A printer to produce the package label as a hard copy (or save to email).



Business Support

ErP Resource


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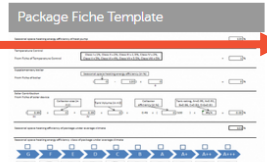
ErP Factsheets




Further Reading




Package Fiche Template



Package Label Template



Kensa ErP Logo



Return to the ErP Support page and click on the box 'Package Label Template'

Select 'Get ErP Label Template'

The screenshot displays the KensaHeat Pumps website interface. At the top, the KensaHeat Pumps logo is visible, along with navigation links for Knowledge Hub, Get a Quote, and Contact Us. A search bar and a phone number (0845 680 4328) are also present. The main navigation menu includes Home, Products, Technology, Grants & Incentives, Solution Centre, Installer Portal, Community, Installer Directory, and About. The breadcrumb trail indicates the current location: Home / Installer Portal / Business Support / ErP Support / Package Label Template.

ErP Support

Package Label Template

The main content area features a section titled "Create an ErP package label". It explains that to comply with the ErP Directive for ground source heat pumps, a package label must be produced for any heating system featuring a ground source heat pump and new controls (and supplementary boiler or solar thermal if used). It provides a link to <http://eeep-energylabelgenerator.eu> to produce the package label.

A callout box on the left, with a red border and an arrow pointing to the "Get ErP label template" button, contains the text: "Select 'Get ErP Label Template'".

Below the main content, there is a section titled "Package fiche" which states: "In order to produce your package label you need to have produced a package fiche first".

The website footer includes the KensaHeat Pumps logo and the text "A KENSA GROUP COMPANY". The system tray at the bottom shows the date and time as 15:12 on 25/09/2015.

You will be redirected to
the Energy Label
Generator





ENERGY EFFICIENT PRODUCTS

About this site | Legal notice | Contact | Search English (en)

European Commission > Energy > ELG

Search

- > Main page
- > Range hoods
- > Domestic ovens
- > Vacuum cleaners
- > Water heaters
- > Space heaters
- > Ventilation units
- > Internet labelling
- > Contact the team

ENERGY LABEL GENERATOR

The Energy Label Generator aims to facilitate the implementation of the labelling delegated Regulations. With the web application, you can create a tailor-made energy label for one product in high resolution pdf format. This can then be used for printing purposes or on the Internet.

NB: In case of discrepancies with the delegated Regulations, the latter prevail. Neither the EU institutions or bodies, nor any person acting on their behalf, may be held responsible for any inappropriate uses of the energy labels.



RANGE HOODS



DOMESTIC OVENS



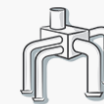
VACUUM CLEANERS



WATER HEATERS

SPACE HEATERS

- Space heaters
- Low-temperature heat pumps
- Combination Heaters
- Heater packages
- Cogeneration space heaters
- Heat pumps space heaters



VENTILATION UNITS

Select the option 'Space Heaters'

eeep-energylabelgenerator.eu/eeep-labels/label-type/space-heaters

Double-click the option
'Packages of space
heater, temperature
control and solar device'

The screenshot shows a web application for generating energy labels. The interface has a blue header with a home icon and a search bar. The main content area displays three categories of energy labels, each with a small thumbnail image showing a color-coded efficiency scale (A+++ to G) and a brief description. The first category is 'Heat pump combination heaters', the second is 'PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE', and the third is 'PACKAGES OF COMBINATION HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE'. An orange arrow points from a text box on the left to the second category. The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 16:18 on 25/09/2015.

Search

Heat pump combination heaters energy efficiency classes A+++ to G and in water heating energy efficiency classes A to G - applicable from 26.9.2015

Heat pump combination heaters energy efficiency classes A+++ to D and in water heating energy efficiency classes A+ to F - applicable from 26.9.2015

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE

Label for packages of space heater, temperature control and solar device, energy efficiency classes A+++ to G - applicable from 26.9.2015

PACKAGES OF COMBINATION HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE

Label for packages of combination heater, temperature control and solar device and water heating energy - efficiency classes A+++ to G - applicable from 26.9.2015

eeep-energylabelgenerator.eu/en/eeep-labels/.../packages-of-space-heater-temperature-control-and-solar-device

Last update: 25/09/2015 | Top

16:18
25/09/2015

Enter your business
trading name

European Commission

ENERGY EFFICIENT PRODUCTS

European Commission > Energy > ELG

Search

- > Main page
- > Range hoods
- > Domestic ovens
- > Vacuum cleaners
- > Water heaters
- > Space heaters
- > Ventilation units
- > Internet labelling
- > Contact the team

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE ENERGY LABEL

Supplier's name or trade mark *

Supplier's model identifier *

The seasonal space heating energy efficiency class of the space heater - drop down field *

Whether a solar collector may be included in the package ☐

Whether a hot water storage tank may be included in the package ☐

Whether a temperature control may be included in the package ☐

Whether a supplementary space heater may be included in the package ☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field *

Label format The energy label will be delivered in a high resolution pdf

Enter the ground source heat pump model number – this is found at the top of your product fiche

European Commission

ENERGY EFFICIENT PRODUCTS

European Commission > Energy > ELG

Search

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE ENERGY LABEL

Supplier's name or trade mark * Green Installations

Supplier's model identifier * M210-T1H

The seasonal space heating energy efficiency class of the space heater - drop down field * G

Whether a solar collector may be included in the package ☐

Whether a hot water storage tank may be included in the package ☐

Whether a temperature control may be included in the package ☐

Whether a supplementary space heater may be included in the package ☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field * A+++

Label format The energy label will be delivered in a high resolution pdf

Model: M210-T1H

Air-to-water heat pump: No

Water-to-water: No

Bio-to-water: Yes

Low-temperature heat pump: No

Equipped with a secondary heater: No

Heat pump combination heater: No

Average Climate Conditions

Item	Symbol	Value	Unit
Rated heat output	Proved	19	kW
Declared capacity for heating for unit load at indoor room temperature 20°C and outdoor temperature T _o			

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency		117	%
Declared coefficient of performance or primary energy ratio for unit load at indoor room temperature 20°C and outdoor temperature T _o			

09:44
28/09/2015

Enter the ground
source heat pump's
energy label rating at
55°C

European Commission

ENERGY EFFICIENT PRODUCTS

European Commission > Energy > ELG

Search

Main page
Range hoods
Domestic ovens
Vacuum cleaners
Water heaters
Space heaters
Ventilation units
Internet labelling
Contact the team

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE
ENERGY LABEL

Supplier's name or trade mark * Green Installations

Supplier's model identifier * M210-T1H

The seasonal space heating energy efficiency class of the space heater - drop down field * A+

Whether a solar collector may be included in the package ☐

Whether a hot water storage tank may be included in the package ☐

Whether a temperature control may be included in the package ☐

Whether a supplementary space heater may be included in the package ☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field * A+++

Label format The energy label will be delivered in a high resolution pdf

Kensa Heat Pumps C080-S1H

55 °C 35 °C

A++
A+
A
B
C
D
E
F
G

A+ A+

08 08 09 09 kW kW

56 dB

811/2013

Select the appropriate boxes

ENERGY EFFICIENT PRODUCTS

European Commission > Energy > ELG

Search

› Main page
› Range hoods
› Domestic ovens
› Vacuum cleaners
› Water heaters
› Space heaters
› Ventilation units
› Internet labelling
› Contact the team

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE ENERGY LABEL

Supplier's name or trade mark *

Supplier's model identifier *

The seasonal space heating energy efficiency class of the space heater - drop down field *

Whether a solar collector may be included in the package ☐

Whether a hot water storage tank may be included in the package ☒


Whether a temperature control may be included in the package ☒

Whether a supplementary space heater may be included in the package ☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field *

Label format The energy label will be delivered in a high resolution pdf

Select the package rating
as calculated in your
package fiche



European Commission

European Commission > Energy > ELG

Search

About this site | Legal notice | Contact | Search English (en)

ENERGY EFFICIENT PRODUCTS

- › Main page
- › Range hoods
- › Domestic ovens
- › Vacuum cleaners
- › Water heaters
- › Space heaters
- › Ventilation units
- › Internet labelling
- › Contact the team

PACKAGES OF SPACE HEATER, TEMPERATURE CONTROL AND SOLAR DEVICE ENERGY LABEL

Supplier's name or trade mark *

Green Installations

Supplier's model identifier *

M210-T1H

The seasonal space heating energy efficiency class of the space heater - drop down field *

A+

Whether a solar collector may be included in the package

☐

Whether a hot water storage tank may be included in the package

☒

Whether a temperature control may be included in the package

☒

Whether a supplementary space heater may be included in the package

☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field *

A+

Label format The energy label will be delivered in a high resolution pdf

For preferential heat pump space heaters and preferential heat pump combination heaters, element of the fiche for a package of space heater, temperature control and solar device and a package of combination heater, temperature control and solar device, respectively, indicating the seasonal heating energy efficiency of the package offered.

Seasonal space heating efficiency of heat pump 117%

Temperature Control

From Fiche of Temperature Control Class I = 0%; Class II = 25%; Class III = 100%; Class IV = 25%; Class V = 35%; Class VI = 45%; Class VII = 35%; Class VIII = 0%

Supplementary boiler

From Fiche of boiler Seasonal space heating energy efficiency (in %)

Solar Contribution

From Fiche of solar device Collector size (in m²) Tank Volume (in m³) Collector efficiency (in %)

Seasonal space heating efficiency of package under average climate 119%

Seasonal space heating energy efficiency class of package under average climate

G F E D C B A+ A++ A+++

Seasonal space heating energy efficiency under colder and warmer climate conditions.

Colder: 116% V: 119% V/arnet: 116% V/arnet: 119%

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.



09:47 28/09/2015

You are now able to generate your package label.

Complete the captcha request and click 'Generate label'

Home Search

- > Space heaters
- > Ventilation units
- > Internet labelling
- > Contact the team

Supplier's model identifier * M210-T1H

The seasonal space heating energy efficiency class of the space heater - drop down field * A+

Whether a solar collector may be included in the package ☐

Whether a hot water storage tank may be included in the package ☒

Whether a temperature control may be included in the package ☒

Whether a supplementary space heater may be included in the package ☐

Water heating energy efficiency class of the package of water heater and solar device - drop down field * A+

Label format The energy label will be delivered in a high resolution pdf

CAPTCHA This question is for testing whether or not you are a human visitor and to prevent automated spam submissions.

2 4WQ5

What code is in the image? * 24WQ5

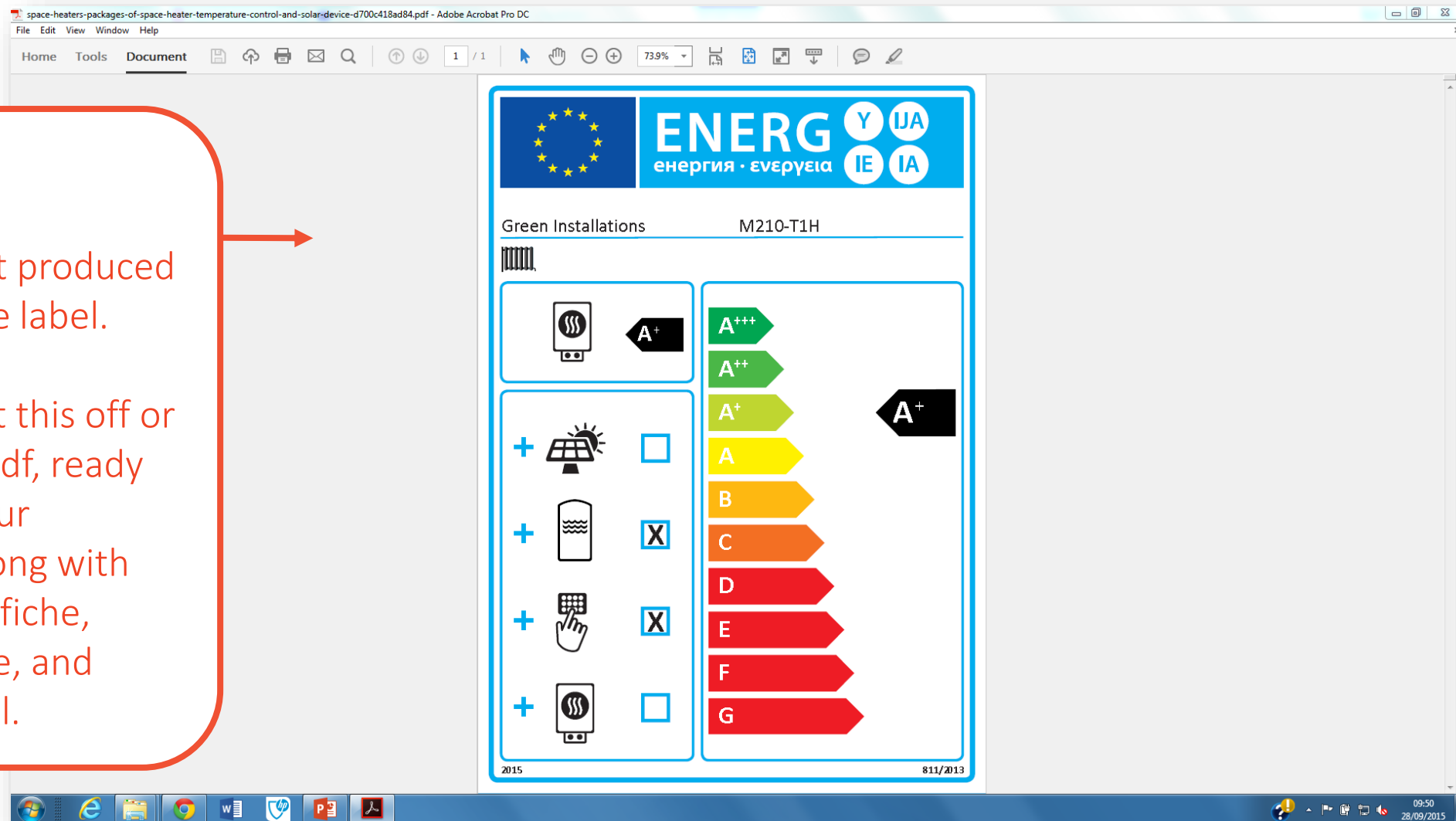
Cancel Generate label

Last update: 28/09/2015 | Top

Finished!

You have just produced
your package label.

You can print this off or
save it as a pdf, ready
to give to your
customer along with
the package fiche,
product fiche, and
product label.





Further reading:

Kensa resources to support you with being ErP compliant

Further resources

Access Kensa's Installer
ErP resource at:
www.kensaheatpumps.com/installer-portal/business-support/erp-support/



The screenshot shows the Kensa Heat Pumps website. At the top, there's a navigation bar with the Kensa logo, a phone number (0845 680 4328), a search bar, and buttons for 'KNOWLEDGE HUB', 'GET A QUOTE', and 'CONTACT US'. Below the navigation bar, there's a breadcrumb trail: 'Home / Installer Portal / Business Support / ErP Support'. The main heading is 'Business Support' followed by 'ErP Support'. Below this is a large green arrow pointing right with 'A+' inside, and a box labeled 'ErP ENERGY EFFICIENCY'. The text says 'The below resources will help you with ErP compliance.' and 'Got a question? Call 0845 680 4328'. There are eight resource tiles arranged in two rows: 'ErP Video Guides' (with a play button icon), 'ErP PDF Guides' (with a document icon), 'ErP Factsheets' (with a document icon), 'Further Reading' (with a book icon and 'Department of Energy & Climate Change'), 'Product Fiche Template' (with a form icon), 'Package Label Template' (with a label icon), 'ErP Products Price List' (with a price list icon), and 'Kensa ErP Logo' (with the A+ logo icon).

Further resources

Contact Kensa

Call: 0845 680 4328

Visit: www.kensaheatpumps.com/installer-portal/business-support/erp-support/

Email:

- Darren Veal (darren.veal@thekensagroup.com)
- Alison Harding (alison.harding@thekensagroup.com)
- John Barker-Brown (john.barker-brown@thekensagroup.com)



Chapter 4:

System handover

[Click here to continue](#)

