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DIRECTORATE-GENERAL FOR MOBILITY AND TRANSPORT
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SRD - Shared Resource Directorate
SRD.4 - Informatics & Logistics

European Product Registry for Energy Labelling (EPREL)

Solid fuel boilers

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Authors:	Oscar Miralles
Revised by:	Veerle Beelaerts
Approved by:	
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1.1. Document History

Version	Date	Comment
1.00	16/05/2018	Draft Document created by Oscar Miralles (OM)
1.10	07/06/2018	Reviewed with new exchange model.
1.20	26/06/2018	Added fields in Data Exchange Model.

Contact:

ENER EPREL project (ENER-EPREL-PROJECT@ec.europa.eu)

Oscar Miralles, Technical Consultant, oscar.miralles@ext.ec.europa.eu, DIRECTORATE-GENERAL FOR ENERGY, SRD - Shared Resource Directorate, SRD.2.001 – IT Systems

1.2. Bibliography

[1] EPREL, *Business Glossary*, 2016.

[2] EPREL, *COMMISSION DELEGATED REGULATION (EU) 2015/1187 of 27 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heat*.

[3] EPREL, XML Exchange Model, 2018.

1.3. Abbreviations and Glossary

See document "EPREL – Business Glossary" [1]

2. INTRODUCTION AND PURPOSE

This document is a summary of all that is necessary for the EPREL to generate the UI form (list of fields and mock-up screenshot) for each product group, to generate the labels and to generate the product information sheet.

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3. SOLID FUEL BOILERS

COMMISSION DELEGATED REGULATION (EU) 2015/1187 of 27 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices [2].

These product group concerns 2 types of products "Solid Fuel Boilers" and "Packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices". They will have separate Product Information Sheets.

This document is intended only for "Solid fuel boilers".

3.1. Fields/Exchange model

List of fields extracted from the Regulation mentioned above and their correspondence with the fields in Data Exchange Model [3] class "SolidFuelBoiler". The column "Item" is a reference to the field as defined in the Annex IV "Product fiche"; the name of the field, the type, if mandatory, a short description how it's filled or the units used, and field in the data exchange model.

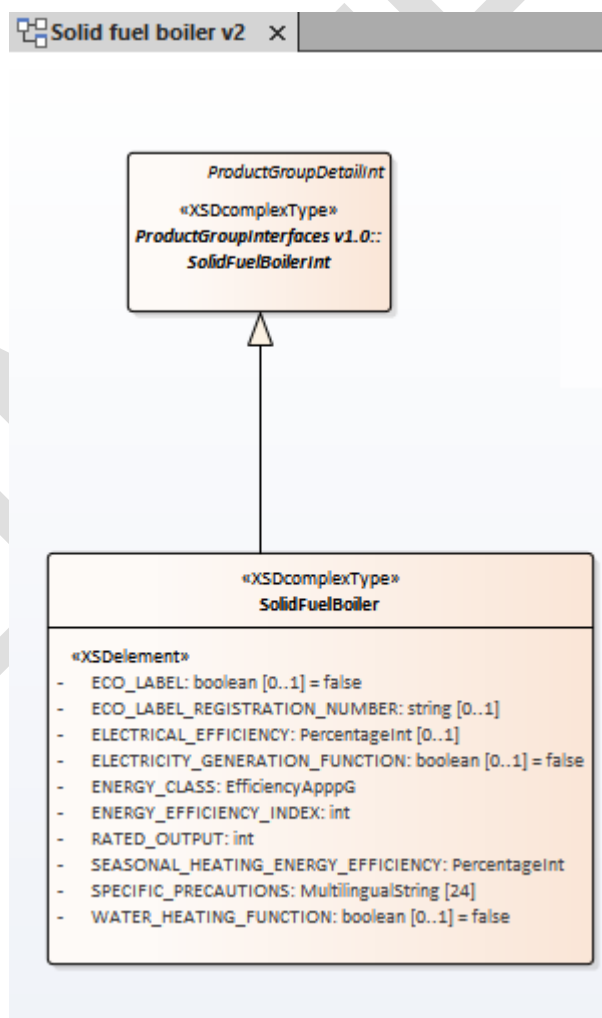


Figure 1 Exchange model

Item	Field	Type	Mandatory	Description	Exchange Model
1.1(a)	Supplier's name or trademark	Text	TRUE		
1.1(b)	Supplier's model identifier	Text	TRUE		
Annex III.1.1(b)	European Union eco-label	Text	FALSE	Licence Number THEY WILL UPLOAD THE LABEL IN PDF IF NEEDED.	ECO_LABEL_ REGISTRATION_NUMBER
1.1(c)	Energy Efficiency Class	List	TRUE	List of classes (Annex II)	ENERGY_CLASS
1.1(d)	Rated heat output	Number (No decimals)	TRUE	kW	RATED_OUTPUT
1.1(e)	Energy efficiency index (EEI)	Number (No decimals)	TRUE	%	ENERGY_EFFICIENCY_INDEX
1.1(f)	Seasonal space heating energy efficiency	Number (No decimals)	TRUE	%	SEASONAL_HEATING_ENERGY_EFFICIENCY
1.1(g)	For each language			Click the add button to add a new language text.	MultilingualString [24]
	Specific precautions language	List	TRUE	List of 24 languages.	lang
	Specific precautions	Text	TRUE		SPECIFIC_PRECAUTIONS
1.1(h)	Solid fuel cogeneration boilers				
	Electrical efficiency	Number (No decimals)	FALSE	%	ELECTRICAL_EFFICIENCY
	Electricity generation function	Boolean	FALSE	Annex III.1, 1.1(a) VII Default False.	ELECTRICITY_GENERATION_FUNCTION
	Combination boilers				
	Water heating function	Boolean	FALSE	Annex III.1, 1.1(a) VI Default False.	WATER_HEATING_FUNCTION

3.2. Mock-up

These are the mock-up screenshots of how the UI form will look like for the supplier to enter the model information manually.

As seen in previous table, depending on some selections, the screen will ask more or less fields.

The screenshot shows the EPREL Compliance website interface for a Solid Fuel Boiler. The top navigation bar includes the European Commission logo and the text 'EPREL Compliance website'. The main header displays 'Solid Fuel Boiler' with a status of 'Incomplete'. Below this, there are fields for 'EPREL Registration Number' (8564125144), 'Version 3', 'Supplier', 'Model identifier', and 'Trademark'. A 'Delegated Regulation' field shows '2015/1187'. On the left, a 'Navigation' menu lists options like 'General information', 'Label/Fiche', and 'Technical documentation'. The main content area is titled 'General information' and contains several input fields: 'Date of placement on the market', 'Date of end of placement on the market', 'EU Eco-label', 'Energy efficiency class' (set to A++), 'Rated heat output (kW)' (65), 'Energy Efficiency Index (%)' (80), and 'Seasonal space heating energy efficiency (%)' (80). Below these are sections for 'Solid fuel cogeneration boiler' (with 'Electrical efficiency (%)' set to 80 and a checkbox for 'Electricity generation function') and 'Combination boiler' (with a checkbox for 'Water heating function'). An information icon and a text box provide instructions on label generation, and a checkbox at the bottom allows the user to 'I accept the labels generated by EPREL for this model'. A 'Save' button is located at the bottom of the form.

Figure 2 Solid Fuel Boilers

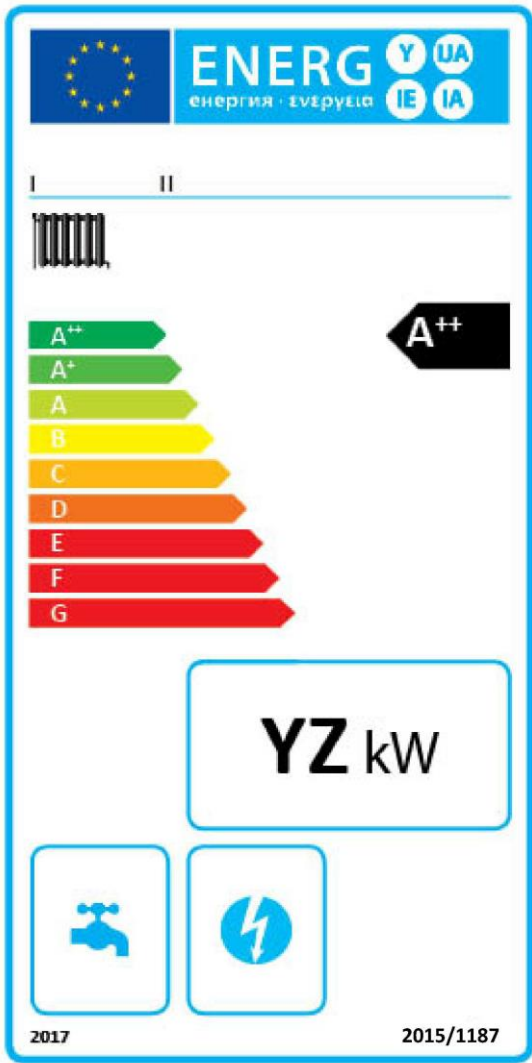
3.3. Labels

Description of the labels can be found in Annex III of the regulation.

This is a summary of which one has to be generated by the system depending on the date the model was published; followed by images of the labels.

	Placement on the market	
Label	Date From	Date To
1. SOLID FUEL BOILERS		
Label 1	01/04/2017	25/09/2019
Label 2	26/09/2019	Onwards

Label 1



I, II

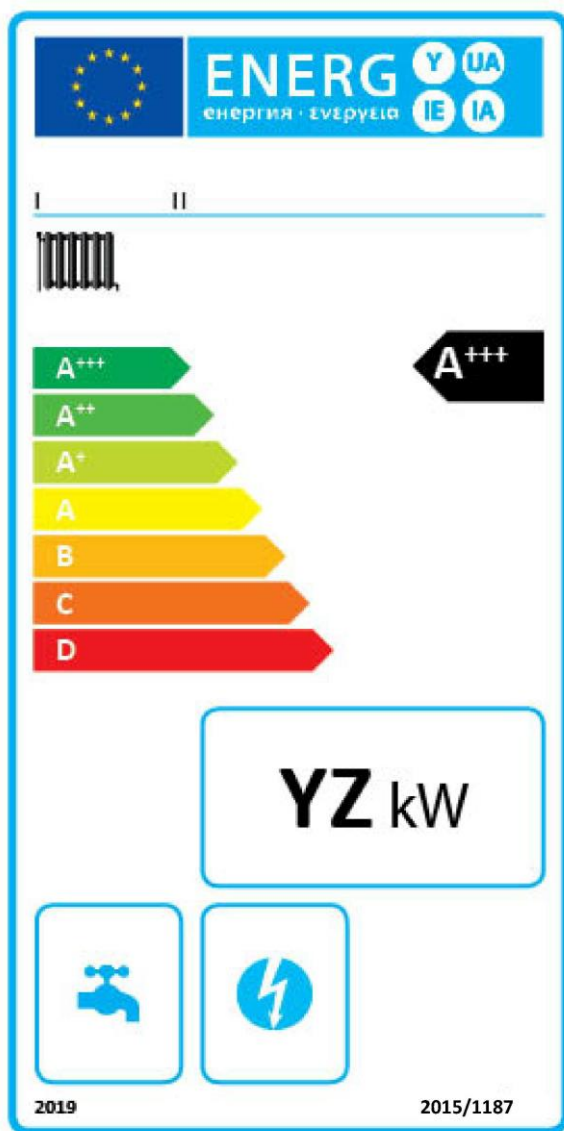
III

IV

V

VI, VII

Label 2



I, II

III

IV

V

VI, VII

3.4. Product Information Sheet

This is a template of the product information sheet using the fields from the Annex IV “Product fiche”.

Product Information Sheet	
Delegated Regulation (EU)	2015/1186
Supplier name or trademark	
Model identifier	
EU Ecolabel	
Energy Efficiency Class	
Rated heat output (kW)	
Energy Efficiency Index (%)	
Seasonal space heating energy efficiency (%)	

Specific precautions	
Solid fuel cogeneration boiler	
Electrical efficiency (%)	
Electricity generation function	
Combination boiler	
Water heating function	

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