

# PRODUCT FICHE

## LOGIC ESP1 COMBINATION BOILER

Ideal Boilers

### ERP DATA

	SYMBOL	UNITS	MODEL		
			24	30	35
Condensing boiler			Yes		
Seasonal Space heating efficiency class			A		
Rated heat output		kW	24		
Seasonal space heating energy efficiency	$\eta_s$	%	94*		
Annual energy consumption	$Q_{HE}$	GJ	75		
Sound power level, indoors	$L_{WA}$	dB	48	46	44
Water heating energy efficiency class			A		

<b>Seasonal Space Heating Energy Efficiency of the Boiler</b>	*%	<b>A</b>																
<b>Temperature control (from fiche of temperature control)</b>	%																	
<table border="1" style="width: 100%; text-align: center;"> <tr> <td>Class I</td><td>Class II</td><td>Class III</td><td>Class IV</td><td>Class V</td><td>Class VI</td><td>Class VII</td><td>Class VIII</td> </tr> <tr> <td>1%</td><td>2%</td><td>1.5%</td><td>2%</td><td>3%</td><td>4%</td><td>3.5%</td><td>5%</td> </tr> </table>	Class I	Class II	Class III	Class IV	Class V	Class VI	Class VII	Class VIII	1%	2%	1.5%	2%	3%	4%	3.5%	5%		<b>B</b>
Class I	Class II	Class III	Class IV	Class V	Class VI	Class VII	Class VIII											
1%	2%	1.5%	2%	3%	4%	3.5%	5%											

### Solar Contribution (from fiche of solar device)

Collector Size (in m <sup>2</sup> )	Tank Volume (in m <sup>3</sup> )	Collector Efficiency (in %)	Tank rating A* = 0.95 A = 0.91 B = 0.86 C = 0.83 D-G = 0.81	
= ('III' x <input style="width: 50px;" type="text"/> + 'IV' x <input style="width: 50px;" type="text"/> ) x 0.9 x ( <input style="width: 50px;" type="text"/> / 100 x <input style="width: 50px;" type="text"/> ) =				% <b>C</b>

**Seasonal Space Heating Energy Efficiency of Package**

**TOTAL: A+B+C=**

% **C**

### Seasonal Space Heating Energy Efficiency Class of Package

<b>G</b>	<b>F</b>	<b>E</b>	<b>D</b>	<b>C</b>	<b>B</b>	<b>A</b>	<b>A+</b>	<b>A++</b>	<b>A+++</b>
< 30%	≥ 30%	≥ 34%	≥ 36%	≥ 75%	≥ 82%	≥ 90%	≥ 98%	≥ 125%	≥ 150%

The energy efficiency of the package of products provided for in this document 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 products in relation to the building size and its characteristics