

# PRODUCT FICHE

## KESTON COMBINATION BOILER

Ideal Boilers

### ERP DATA

	SYMBOL	UNITS	MODEL	
			30	35
Condensing boiler			Yes	
Seasonal Space heating efficiency class			A	
Rated heat output		kW	24	
Seasonal space heating energy efficiency	$\eta_{son}$	%	93*	
Annual energy consumption	$Q_{HE}$	GJ	74.9	
Sound power level, indoors	$L_{WA}$	dB	45	44
Water heating energy efficiency class			A	

### Seasonal Space Heating Energy Efficiency of the Boiler

\*%

**A**

### Temperature control (from fiche of temperature control)

%

**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

$$= ('III' \times \boxed{\phantom{00}} + 'IV' \times \boxed{\phantom{00}}) \times 0.9 \times (\boxed{\phantom{00}} / 100 \times \boxed{\phantom{00}}) =$$

%

**C**

Seasonal Space Heating Energy Efficiency of Package

**TOTAL: A+B+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%