

# System datasheet on energy consumption

Greenstar 12Ri LPG ErP+

Worcester, Bosch Group System Package

7733600301

The following system data comply with the requirements of Regulations (EU) No 811/2013 and No 812/2013 supplementing Directive 2010/30/EU.

The energy efficiency of the system 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.

Details for evaluating the space heating energy efficiency			
I	Value of the seasonal space heating energy efficiency of the primary product	92	%
II	Factor for weighting the heat output of primary and supplementary products of a system		-
III	Value of the mathematical expression $294/(11 \cdot P_{\text{rated}})$		-
IV	Value of the mathematical expression $115/(11 \cdot P_{\text{rated}})$		-

**Seasonal space heating energy efficiency of the boiler** I = **1** 92 %

**Temperature control** (from fiche of temperature control) + **2** %

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

**Supplementary boiler** (from fiche of boiler) ( ) - I) x 0.1 = + **3** %

Seasonal space heating energy efficiency (in %)

**Solar contribution** (from fiche of solar device) (III x + IV x ) x 0.9 x ( /100) x = + **4** %

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

**Supplementary heat pump** (from fiche of heat pump) ( ) - I) x II = + **5** %

Seasonal space heating energy efficiency (in %)

**Solar contribution AND supplementary heat pump** (select smaller value) 0.5 x **4** OR 0.5 x **5** = - **6** %

**Seasonal space heating energy efficiency of the system** **7** 92 %

**Seasonal space heating energy efficiency class of the system**

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

**A**

**Boiler and supplementary heat pump with low temperature heat emitters at 35°C?** **7** + (50 x II) = %  
(from fiche of heat pump)

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