



Number	100187/02	Replaces	100187/01
Date	14-10-2019	Scope	--
Report number	178576/76	Contractnumber	E 8690
PIN	0063BT3576		

EFFICIENCY DECLARATION

Combination Boiler with Passive Flue Heat Recovery Technology (PFHRT)

Type: **Intergas Xtreme 30**

Manufactured by: **Intergas Verwarming B.V.
Coevorden, the Netherlands**

The condensing combination boiler Intergas Xtreme 30, which equipped with an integral passive flue heat recovery technology, delivered to Kiwa Nederland B.V. by Intergas Verwarming B.V., has been examined to the following requirements:

- **Summer efficiency** : **Gaskeur CW:2019 CW4, CW3, CW2, CW1+**
- **Winter efficiency** : **Gaskeur CW:2019 CW4, CW3, CW2, CW1+**
- **Indirect contribution** : **Test methodology as determined in the working group PFHRT from the VFK (report dated 15-01-2014)**

The total annual useful efficiency of the Intergas Xtreme 30 (with indirect contribution of the PFHRT), based on the calculations according the working documents AHG-PFHRT of the VFK, is for CW4, CW3, CW2 and CW1+ tapping pattern:

CW4: 110,9%; CW3: 110,9%; CW2: 110,9%; CW1+: 116,5% (Hi)

The total annual useful efficiency of the Intergas Xtreme30 (without indirect contribution of the PFHRT) based on the Gaskeur CW:2019 calculation method is for CW4, CW3, CW2 and CW1+ tapping pattern:

CW4: 104,2%; CW3: 102,3%; CW2: 101,6%; CW1+: 101,9% (Hi)

Detailed test methodology, test results and calculations are included in test report 178576/76.

Kiwa Nederland B.V.

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Declaration: 100187/02

Appendix no.: 1

Dated: 14-10-2019

Examination report: 178576/76

Standard: Gaskeur CW:2019
 Test methodology as determined in the working group PFHRT from the VFK
 (report dated 15-01-2014)
 Specifications: Condensing combination boiler with integral passive flue heat recovery technology
 Model(s): Intergas Xtreme 30

QH;dis;nren;an (MJ/jaar)	Rendement Intergas Xtreme 30 Qw;dis;nren;an (MJ/jaar)			
	6500	9000	11500	14000
Van	η _{w,gen,gi op Hs}			
0	0,900	0,900	0,900	0,950
500	0,900	0,900	0,900	0,950
1200	0,925	0,900	0,925	0,950
3500	0,925	0,925	0,925	0,950
4300	0,925	0,925	0,925	0,950
5000	0,950	0,925	0,925	0,950
5800	0,950	0,925	0,925	0,950
7200	0,950	0,950	0,950	0,975
7500	0,950	0,950	0,950	0,975
10100	0,975	0,950	0,950	0,975
10900	0,975	0,950	0,950	0,975
11300	0,975	0,950	0,950	0,975
11500	0,975	0,950	0,950	0,975
12800	1,000	0,975	0,950	0,975
15000	1,000	0,975	0,975	1,000
15300	1,000	0,975	0,975	1,000
15800	1,025	0,975	0,975	1,000
17700	1,025	1,000	0,975	1,000
17800	1,025	1,000	0,975	1,000
18500	1,025	1,000	0,975	1,000
>20000	1,050	1,000	1,000	1,000

