

100186/01 -
12-11-2018 --
178576/64 E 8690
0063BT3576

EFFICIENCY DECLARATION

Combination Boiler with Passive Flue Heat Recovery Technology (PFHRT)

Type: **Intergas Xtreme 24**

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

The condensing combination boiler Intergas Xtreme 24, which is based on the HReco 24 equipped with 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:2018 CW3, CW2, CW1+**
- **Winter efficiency** : **Gaskeur CW:2018 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 24 (with indirect contribution of the PFHRT), based on the calculations according the working documents AHG-PFHRT of the VFK, is for CW3, CW2 and CW1+ tapping pattern:

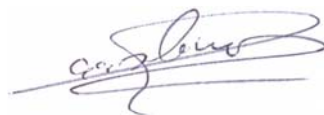
CW3: 108,1%; CW2: 113,6%; CW1+: 116,4% (Hi)

The total annual useful efficiency of the Intergas Xtreme24 (without indirect contribution of the PFHRT) based on the Gaskeur CW:2017 calculation method is for CW3, CW2 and CW1+ tapping pattern:

CW3: 99,6%; CW2: 101,7%; CW1+: 100,9% (Hi)

Detailed test methodology, test results and calculations are included in test report 178576/64.

Kiwa Nederland B.V.



Ing. A.A. Slomp
Product Manager

Declaration100186/01

Appendix no.: 1

Dated: 12-11-2018

Examination report: 178576/64

Standard: Gaskeur CW:2017
 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 24

QH;dis;nren;an (MJ/jaar)	Rendement Intergas Xtreme 24 Qw;dis;nren;an (MJ/jaar)		
	6500	9000	11500
Van			
0	0,900	0,900	0,875
500	0,900	0,900	0,900
1200	0,900	0,900	0,900
3500	0,925	0,925	0,900
4300	0,925	0,925	0,900
5000	0,925	0,925	0,900
5800	0,950	0,925	0,900
7200	0,950	0,950	0,925
7500	0,950	0,950	0,925
10100	0,975	0,975	0,925
10900	0,975	0,975	0,925
11300	0,975	0,975	0,925
11500	0,975	0,975	0,925
12800	1,000	0,975	0,950
15000	1,025	1,000	0,950
15300	1,025	1,000	0,950
15800	1,025	1,000	0,950
17700	1,050	1,025	0,975
17800	1,050	1,025	0,975
18500	1,050	1,025	0,975
>20000	1,050	1,025	0,975

