

## PERFORMANCES ENERGETIQUES ENERGY PERFORMANCE

**Certificat numéro 1312BR4926 rev. 11**

**CERTIGAZ, Organisme Notifié 92/42/CE déclare par la présente que, conformément à l'article 4 du Règlement (UE) No. 813/2013 du 2 Août 2013 :**

CERTIGAZ, Notified Body for council Directive 92/42/EEC, hereby declares that, according to article 4 of commission regulation (EU) No. 813/2013 of 2 August 2013 :

- **Fabricant :** **UNICAL AG SpA**  
*Manufacturer* **Via Roma, 123**  
**I-46033 CASTEL D'ARIO (MN)**
- **Type de chaudière :** **CHAUDIERE A CONDENSATION**  
*Type of boiler :* **B23, C63**

Marque commerciale Trade mark <b>UNICAL</b>	Symbole * / Symbol * Unité / Unit									
	$\eta_4$ (%)	$\eta_1$ (%)	P 4 (kW)	P 1 (kW)	elmax (kW)	elmin (kW)	P SB (kW)	P stby (kW)	P ign (kW)	$\eta_s$ (%)
Modèle(s) Model(s)										
<b>ALKON 90</b>	<b>87.6</b>	<b>99.1</b>	<b>87.5</b>	<b>29.7</b>	<b>0.290</b>	<b>0.150</b>	<b>0.005</b>	<b>0.211</b>	<b>0</b>	<b>94</b>
<b>KON 100</b> <b>UniK 100</b>	<b>89.0</b>	<b>98.5</b>	<b>98.8</b>	<b>32.8</b>	<b>0.289</b>	<b>0.156</b>	<b>0.018</b>	<b>0.641</b>	<b>0</b>	<b>94</b>
<b>KON 115 – uniK 115</b>	<b>87.4</b>	<b>96.7</b>	<b>111.5</b>	<b>37.0</b>	<b>0.314</b>	<b>0.160</b>	<b>0.028</b>	<b>0.642</b>	<b>0</b>	<b>92</b>
<b>KONf 100 – Unikf 100</b>	<b>87.4</b>	<b>96.5</b>	<b>96.5</b>	<b>32.0</b>	<b>0.260</b>	<b>0.160</b>	<b>0.028</b>	<b>0.642</b>	<b>0</b>	<b>92</b>
<b>KONf 115 – uniKf 115</b>	<b>87.4</b>	<b>96.5</b>	<b>111.5</b>	<b>36.9</b>	<b>0.314</b>	<b>0.160</b>	<b>0.028</b>	<b>0.642</b>	<b>0</b>	<b>92</b>
<b>KONf 200</b>	<b>88,2</b>	<b>98,1</b>	<b>194,8</b>	<b>65,0</b>	<b>0,580</b>	<b>0,156</b>	<b>0,025</b>	<b>0,962</b>	<b>0</b>	<b>93</b>
<b>KONf 400</b>	<b>88,5</b>	<b>97,3</b>	<b>390,9</b>	<b>129,0</b>	<b>1,160</b>	<b>0,156</b>	<b>0,032</b>	<b>1,924</b>	<b>0</b>	<b>92</b>

**Ont été évalués selon les Règles citées ci-avant et le(s) rapport(s) d'essais n°**

**Have been tested according above mentioned Rules and test(s) report(s) n°**

**18CP003.00 – 18CP009.00**

**Toute reproduction de ce certificat doit l'être dans son intégralité. Reproduction of this certificate must be in full. 1/1**

**Le Directeur Général**

**Neuilly, le 4 janvier 2019**

**Vincent DELARUE**

\*legend:

useful efficiencies :  $\eta_4$  : At rated heat output and high-temperature regime;  $\eta_1$  : At 30 % of rated heat output and low-temperature regime.

Useful heat output : P 4 : At rated heat output and high-temperature regime; P 1 : At 30 % of rated heat output and low-temperature regime.

Auxiliary electricity consumption : elmax : At full load; elmin : At part load; P SB : In standby mode.

Other items : P stby : Standby heat loss; P ign : Ignition burner power consumption

$\eta_s$  : seasonal space heating energy efficiency (calculated value, for boilers below 70kW heat output)

High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet. 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

Low temperature means for condensing boilers

calculated values are based on gross calorific value (reference conditions 15°C, 15°C, 1013,25mbar)