

(Directives 2009/142/CE « Appareils à gaz » et 92/42/CE « Rendement des chaudières »)  
(« Gas appliances » 2009/142/EC and 92/42/EC « Boilers efficiency » Directives)

**Numéro : 1312BT5288** (rév. 17)

**CERTIGAZ**, après examen et vérifications, certifie que l'appareil :

**CERTIGAZ**, after examination and verifications, certifies that the appliance :

- **Fabriqué par :** UNICAL AG SpA  
*Manufactured by :* Via Roma, 123  
I-46033 CASTEL D'ARIO (MN)
- **Marque commerciale et modèle(s) :** UNICAL  
*Trade mark and model(s) :*
  - > ALKON 09 C 24 – ALKON 09 R 24 – ALKON 09 C 18
  - > ALKON 09 R 18 – ALKON C 24 HE – ALKON R 24 HE
  - > ALKON C 18 HE – ALKON R 18 HE – ALKON 09 R 12
  - > ALKON C 28 HE – ALKON R 28 HE – ALKON C 35 HE
  - > ALKON R 35 HE
  - > OSA K 35 C – OSA K 35 R
  - > OSA K 28 C – OSA K 28 R
  - > OSA K 24 C – OSA K 24 R
  - > KON C35 – KON C28 – KON C24 – KON C20 – KON C18
  - > KON R35 – KON R28 – KON R24 – KON R20 – KON R18
  - > KONE C24 – KONE C18 – KONE R24 – KONE R18
  - > KON C24 inc – KON R24 inc – KONE C24 inc – KONE R24 inc
  - > KON C 24/28 – KON R 24/28 – KON C HE – KON C 28 HE
  - > KONE C22 – KONE C31 – KONE R22 – KONE R31
  - > KONE C35 – KONE R35 – KONE C28 – KONE R28
  - > UniK C35 – UniK C28 – UniK C24 – UniK C20 – UniK C18
  - > UniK R35 – UniK R28 – UniK R24 – UniK R20 – UniK R18
  - > UniKe C24 – UniKe C18 – UniKe R24 – UniKe R18
  - > UniKe C35 – UniKe R35 – UniKe C28 – UniKe R28
- **Genre de l'appareil :** CHAUDIERE CONDENSATION  
*Kind of the appliance :* CONDENSING BOILER  
(Types : B23, C13, C33, C43, C53, C63, C83, C13x, C33x, C43x, C53x, C63x, C83x, C93, C93x)
- **Désignation du type :** ALKON 09  
*Type designation :*

Pays de destination <i>Destination countries</i>	Pressions (mbar) <i>Pressures (mbar)</i>	Catégories <i>Categories</i>
FR	20/25 ; 37	I2Esl3P
ES-GB-IE-IT-PT-GR-SE-NO-SI	20 ; 37	I2H3P
DE	20 ; 50	I2ELL3P
HU	25 ; 50	I2HS3P
AT-CH-TR-HR-CZ-SK	20 ; 50	I2H3P
LV-EE-LT	20	I2E
BE	20/25	I2E(S)
BE	37	I3P
NL	25 ; 50	I2L3P
BG-CN-RU-RO-YU	20 ; 37	I2H3P
PL	20 ; 13 ; 37	I2ELs3P
LU	20 ; 50	I2E3P
BA	25	I2H

est conforme aux exigences essentielles des directives « Appareils à gaz » 2009/142/CE et « Rendement des chaudières » 92/42/CE.

is in conformity with essential requirements of 2009/142/EC « Gas appliances » and 92/42/EC « Boiler efficiency » directives.

Toute reproduction de ce certificat doit l'être dans son intégralité. Reproduction of this certificate must be in full. 1/2

## PERFORMANCES ENERGETIQUES

### ENERGY PERFORMANCE

#### Annexe au certificat 1312BT5288 rev. 17

**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 : Manufacturer : Unical A.G.**  
**- Type de chaudière : CHAUDIERE A CONDENSATION**  
*Type of boiler : B23, C13, C33, C43, C53, C63, C83, C93, C13x, C33x, C43x, C53x, C63x, C83x, C93x*

Marque commerciale Trade mark -----	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)										
KON C35 ; KON R 35 UniK C35 ; UniK R35	87.5	97.5	18.2	6.1	0.093	0.015	0.001	0.113	0	93
KON C28 ; KON R28 UniK C28 ; UniK R28	88.0	97.4	15.8	5.3	0.080	0.015	0.001	0.113	0	93
KON C24 ; KON R24 KON C 24 inc ; KON R24 inc UniK C24 ; UniK R24	87.0	96.7	12.8	4.3	0.085	0.012	0.003	0.082	0	92
KON C18 ; KON R18 UniK C18 ; UniK R18	88.1	97.2	10.3	3.4	0.085	0.012	0.003	0.082	0	93
KONe C35 ; KONe R35 UniKe C35 ; UniKe R35	87.5	97.5	18.2	6.1	0.093	0.015	0.001	0.113	0	93
KONe C28 ; KONe R28 UniKe C28 ; UniKe R28	88.0	97.4	15.8	5.3	0.080	0.015	0.001	0.113	0	93
KONe C24 ; KONe R24 KONe C24 inc ; KONe R24 inc UniKe C24 ; UniKe R24	87.0	96.7	12.7	4.2	0.085	0.012	0.003	0.0824	0	92
KONe C18 ; KONe R18 UniKe C18 ; UniKe R18	88.1	97.8	10.3	3.4	0.085	0.012	0.003	0.0824	0	93
KONe C22 ; KONe R22	87.2	96.9	11.9	3.9	0.085	0.012	0.003	0.082	0	92
KONe C31 ; KONe R31	87.6	97.9	17.0	5.7	0.085	0.012	0.003	0.114	0	93
OSA K 35 C ; OSA K 35 R	87.5	97.5	18.2	6.1	0.093	0.015	0.001	0.113	0	93
OSA K 28 C ; OSA K 28 R	88.0	97.4	15.8	5.3	0.080	0.015	0.001	0.113	0	93
OSA K 24 C ; OSA K 24 R	87.5	97.0	23.8	7.9	0.070	0.015	0.001	0.113	0	92

**Ont été évalués selon les Règles citées ci-avant et le(s) rapport(s) d'essais Dox du Type.**

**Have been tested according above mentioned Rules and test(s) report(s) Type Dox.**

15CP018.01 – 15CP018.02 – 15CP018.03

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**Le Directeur Général  
Vincent DELARUE**

**Neuilly, le 18 août 2015**

\*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)