

Rapporto/Report No. K 3180 2021 B2

Decreto 7 Novembre 2017, n. 186
Certificazione ambientale del generatore di
calore

Modello / Model:
00271542

Produttore / Manufacturer:
UNICAL AG S.p.A

Marchio commerciale / Trademark:
UNICAL, SCHUSTER, WIESBERG, ARIEL



This accreditation is valid only for the listed standards as stated in the accreditation annex of D-PL-11120-04-00

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Publication of page 2 is permitted.**

The test results presented in this report refer solely to the test object stated as described on page 2. The report does not represent a general statement about the serial production of the test object and gives not an authorization for use of a TÜV Rheinland test- / certification mark.

Decreto 7 Novembre 2017, n. 186
Certificazione ambientale del generatore di caloreProduttore / *Manufacturer:***UNICAL AG S.p.A**

Via Roma 123

I-43033 Castel D'Ario (MN)

Marchio commerciale / *Trademark:***UNICAL, SCHUSTER, WIESBERG, ARIEL**Modelli / *Models:***00271542**Potenza termica nominale / *Nominal heat output:*

13,8 kW

Tipologia prodotto / *Product type:*Stufe a pellets di legna / *Wood pellet stoves*Norma di riferimento / *Reference standard:*

EN 14785:2006

Ente Notificato CPR/ *Notified body acc. CPR*

NB 2456

Rapporto di Prova di riferimento /
Reference test report:

K 3180 2021 Z1

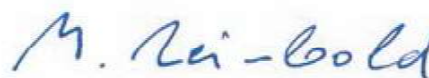
Combustibile di prova / *Test fuel:*Pellet di legna / *wood pellet*Classe di prestazione / *Performance class:*Vedasi tabelle a pagina 3 /
*See overview tables on page 3*Cologne, 03.12.2021
432 / mcTÜV Rheinland Energy GmbH
Test Centre for Energy Appliances
NB 2456 (CPR)
DIN EN ISO/IEC 17025:2005
accreditation: D-PL-11120-04-00

Assessor:

Report released after review:



Dipl.-Ing. M. Ciccarelli



Dipl.-Ing. M. Reibold

Prestazioni del generatore di calore Performances of the heating appliance Classi di prestazione / Performance class	
	00271542
PP⁽¹⁾ mg/Nm³	17 (4*)
COT⁽¹⁾ mg/Nm³	10 (5*)
NOx⁽¹⁾ mg/Nm³	117 (4*)
CO⁽²⁾ mg/Nm³	231 (5*)
η⁽²⁾ %	93,5 (5*)
Sulla base delle prestazioni indicate, il generatore di calore risulta in classe Based on the declared performances, the heating appliance is in class	4 stelle / 4 stars
<p>⁽¹⁾ Determinato applicando il metodo di misura della UNI CEN/TS 15883 <i>Determined applying the measurement method of the UNI CEN/TS 15883</i></p> <p>⁽²⁾ Determinato secondo la EN 14785:2006 <i>Determined according to EN 14785:2006</i></p> <p>Nota: tutti i valori di concentrazione calcolati al 13% di O₂ in condizioni normali (273 K, 1013 mbar, gas secco) <i>Note: all the concentration values are calculated at 13% of O₂ in normal conditions (273 K, 1013 mbar, dry gas)</i></p>	

Classi di prestazione Performance classes	5 stelle	4 stelle	3 stelle	2 stelle
PP⁽¹⁾ mg/Nm³	15	20	30	50
COT⁽¹⁾ mg/Nm³	10	35	50	80
NOx⁽¹⁾ mg/Nm³	100	160	200	200
CO⁽²⁾ mg/Nm³	250	250	364	500
η⁽²⁾ %	88	87	85	85

Rapporto/Report No. K 3181 2021 B2

Decreto 7 Novembre 2017, n. 186
Certificazione ambientale del generatore di
calore

Modello / Model:
00271543

Produttore / Manufacturer:
UNICAL AG S.p.A

Marchio commerciale / Trademark:
UNICAL, SCHUSTER, WIESBERG, ARIEL



Deutsche
Akkreditierungsstelle
D-PL-11120-04-00

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Via Roma 123

I-43033 Castel D'Ario (MN)

Marchio commerciale / *Trademark:***UNICAL, SCHUSTER, WIESBERG, ARIEL**Modelli / *Models:***00271543**Potenza termica nominale / *Nominal heat output:*

17,1 kW

Tipologia prodotto / *Product type:*Stufe a pellets di legna / *Wood pellet stoves*Norma di riferimento / *Reference standard:*

EN 14785:2006

Ente Notificato CPR/ *Notified body acc. CPR*

NB 2456

Rapporto di Prova di riferimento /
Reference test report:

K 3181 2021 Z1

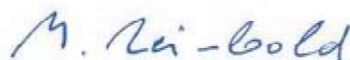
Combustibile di prova / *Test fuel:*Pellet di legna / *wood pellet*Classe di prestazione / *Performance class:*Vedasi tabelle a pagina 3 /
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Dipl.-Ing. M. Reibold

Prestazioni del generatore di calore Performances of the heating appliance Classi di prestazione / Performance class	
	00271543
PP⁽¹⁾ mg/Nm³	15 (5*)
COT⁽¹⁾ mg/Nm³	1 (5*)
NOx⁽¹⁾ mg/Nm³	130 (4*)
CO⁽²⁾ mg/Nm³	55 (5*)
η⁽²⁾ %	95,0 (5*)
Sulla base delle prestazioni indicate, il generatore di calore risulta in classe Based on the declared performances, the heating appliance is in class	4 stelle / 4 stars
<p>(1) Determinato applicando il metodo di misura della UNI CEN/TS 15883 <i>Determined applying the measurement method of the UNI CEN/TS 15883</i></p> <p>(2) Determinato secondo la EN 14785:2006 <i>Determined according to EN 14785:2006</i></p> <p>Nota: tutti i valori di concentrazione calcolati al 13% di O₂ in condizioni normali (273 K, 1013 mbar, gas secco) <i>Note: all the concentration values are calculated at 13% of O₂ in normal conditions (273 K, 1013 mbar, dry gas)</i></p>	

Classi di prestazione Performance classes	5 stelle	4 stelle	3 stelle	2 stelle
PP⁽¹⁾ mg/Nm³	15	20	30	50
COT⁽¹⁾ mg/Nm³	10	35	50	80
NOx⁽¹⁾ mg/Nm³	100	160	200	200
CO⁽²⁾ mg/Nm³	250	250	364	500
η⁽²⁾ %	88	87	85	85

Rapporto / Report No. K 3183 2021 B2

Decreto 7 Novembre 2017, n. 186
Certificazione ambientale del generatore di calore

Modello / Model:
00271024, 00271988, 00271989

Produttore / Manufacturer:
UNICAL AG S.p.A

Marchio commerciale / Trademark:
UNICAL, SCHUSTER, WIESBERG, ARIEL

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Decreto 7 Novembre 2017, n. 186
Certificazione ambientale del generatore di calore

Produttore / <i>Manufacturer:</i>	UNICAL AG S.p.A Via Roma 123 I-43033 Castel D'Ario (MN)
Marchio commerciale / <i>Trademark:</i>	UNICAL, SCHUSTER, WIESBERG, ARIEL
Modello / <i>Model:</i>	00271024 00271989 00271988
Tipologia prodotto / <i>Product type:</i>	Stufa a pellets di legna / <i>Wood pellet stove</i>
Norma di riferimento / <i>Reference standard:</i>	EN 14785:2006
Ente Notificato CPR/ <i>Notified body acc. CPR</i>	NB 2456
Rapporto di Prova di riferimento / <i>Reference test report:</i>	K 3183 2021 Z1
Potenza termica nominale / <i>Nominal heat output:</i>	25,86 kW 30,48 kW
Classe di prestazione / <i>Performance class:</i>	Vedasi tabelle a pagina 3 / <i>See overview tables on page 3</i>

Cologne, 03.12.2021
432 / mc

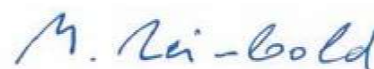
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Assessor:

Report released after review:



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Dipl.-Ing. M. Reibold

Prestazioni del generatore di calore Performances of the heating appliance Classi di prestazione / Performance class		
	00271024, 00271988	00271989
PP⁽¹⁾ mg/Nm³	10,8 (5*)	16,3 (4*)
COT⁽¹⁾ mg/Nm³	6,5 (5*)	3,3 (5*)
NOx⁽¹⁾ mg/Nm³	108 (4*)	127 (4*)
CO⁽²⁾ mg/Nm³	19,1 (5*)	18,4 (5*)
η⁽²⁾ %	94,6 (5*)	94,0 (5*)
Sulla base delle prestazioni indicate, il generatore di calore risulta in classe Based on the declared performances, the heating appliance is in class	4 stelle / 4 stars	4 stelle / 4 stars
<p>⁽¹⁾ Determinato applicando il metodo di misura della UNI CEN/TS 15883 <i>Determined applying the measurement method of the UNI CEN/TS 15883</i></p> <p>⁽²⁾ Determinato secondo la EN 14785:2006 <i>Determined according to EN 14785:2006</i></p> <p>Nota: tutti i valori di concentrazione calcolati al 13% di O₂ in condizioni normali (273 K, 1013 mbar, gas secco) <i>Note: all the concentration values are calculated at 13% of O₂ in normal conditions (273 K, 1013 mbar, dry gas)</i></p>		

Classi di prestazione Performance classes	5 stelle	4 stelle	3 stelle	2 stelle
PP⁽¹⁾ mg/Nm³	15	20	30	50
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NOx⁽¹⁾ mg/Nm³	100	160	200	200
CO⁽²⁾ mg/Nm³	250	250	364	500
η⁽²⁾ %	88	87	85	85