

**Rapporto/Report No. K 3155 2021 B2**

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

Modelli / Models  
**Harmonia 10 idro, Harmonia 12 idro, Harmonia 14 idro**

Marchio commerciale / Trademark:  
**Kalon**

Produttore / Manufacturer:  
**GIOVE GROUP S.r.l.**



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 calore**Produttore / *Manufacturer:***GIOVE GROUP S.r.l.**Via Giotto 6/8,  
01016 Tarquinia (VT) – ItalyMarchio commerciale / *Trademark:***Kalon**Modelli / *Models:*

<b>Harmonia 10 idro</b>	<b>Harmonia 12 idro</b>	<b>Harmonia 14 idro</b>
10,1 kW	12,5 kW	14,6 kW

Potenza termica nominale / *Nominal heat output:*Tipologia prodotti / *Product types:*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:*

K31552021Z1

Combustibile di prova / *Test fuel:*Pellet di legna / *Wood pellet*Cologne, 21.09.2021  
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. A. Pomp

<b>Prestazioni del generatore di calore</b> <b>Performances of the heating appliance</b> <b>Classi di prestazione / Performance class</b>			
	<b>Harmonia 10 idro</b>	<b>Harmonia 12 idro</b>	<b>Harmonia 14 idro</b>
<b>PP<sup>(1)</sup> mg/Nm<sup>3</sup></b>	19 (4*)	17 (4*)	16 (4*)
<b>COT<sup>(1)</sup> mg/Nm<sup>3</sup></b>	5 (5*)	6 (5*)	6 (5*)
<b>NOx<sup>(1)</sup> mg/Nm<sup>3</sup></b>	108 (4*)	109 (4*)	110 (4*)
<b>CO<sup>(2)</sup> mg/Nm<sup>3</sup></b>	204 (5*)	177 (5*)	153 (5*)
<b>η<sup>(2)</sup> %</b>	94,9 (5*)	94,2 (5*)	93,6 (5*)
<b>Result / Class</b>	<b>4 stelle</b>	<b>4 stelle</b>	<b>4 stelle</b>

(1) Determinato applicando il metodo di misura della UNI CEN/TS 15883  
*Determined applying the measurement method of the UNI CEN/TS 15883*

(2) Determinato secondo la EN 14785:2006  
*Determined according to EN 14785:2006*

Nota: tutti i valori di concentrazione calcolati al 13% di O<sub>2</sub> in condizioni normali (273 K, 1013 mbar, gas secco)  
*Note: all the concentration values are calculated at 13% of O<sub>2</sub> in normal conditions (273 K, 1013 mbar, dry gas)*

**Limit Values**

	<b>5 stelle</b>	<b>4 stelle</b>	<b>3 stelle</b>	<b>2 stelle</b>
<b>PP<sup>(1)</sup> mg/Nm<sup>3</sup></b>	15	20	30	50
<b>COT<sup>(1)</sup> mg/Nm<sup>3</sup></b>	10	35	50	80
<b>NOx<sup>(1)</sup> mg/Nm<sup>3</sup></b>	100	160	200	200
<b>CO<sup>(2)</sup> mg/Nm<sup>3</sup></b>	250	250	364	500
<b>η<sup>(2)</sup> %</b>	88	87	85	85