

**Rapporto/Report No. K 2974 2020 B2**

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

Modelli / Models  
**Afrodite Air 8, Minerva Air 8**  
**Afrodite Air 10, Minerva Air 10**  
**Afrodite Air 12, Minerva Air 12**

Marchio commerciale / Trademark:  
**CTM**

Produttore / Manufacturer:  
**Costruzioni Tecniche Meccaniche S.r.l.**



Deutsche  
Akkreditierungsstelle  
D-PL-11120-04-00

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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**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:* **Costruzioni Tecniche Meccaniche S.r.l.**  
Via Cese Nove s.n.c., Zona Industriale,  
82030 San Salvatore Telesino (BN) Italia

Marchio commerciale / *Trademark:* **CTM**

Modelli / <i>Models:</i>	<b>Afrodite Air 8, Minerva Air 8</b>	<b>Afrodite Air 10, Minerva Air 10</b>	<b>Afrodite Air 12, Minerva Air 12</b>
Potenza termica nominale / <i>Nominal heat output:</i>	7,1 kW	9,3 kW	10,9 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 2974 2020 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, 26.11.2020  
432 / mc


TÜV 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>Afrodite Air 8, Minerva Air 8</b>	<b>Afrodite Air 10, Minerva Air 10</b>	<b>Afrodite Air 12, Minerva Air 12</b>
<b>PP<sup>(1)</sup> mg/Nm<sup>3</sup></b>	<b>4 (5*)</b>	<b>3 (5*)</b>	<b>2 (5*)</b>
<b>COT<sup>(1)</sup> mg/Nm<sup>3</sup></b>	<b>6 (5*)</b>	<b>3 (5*)</b>	<b>2 (5*)</b>
<b>NOx<sup>(1)</sup> mg/Nm<sup>3</sup></b>	<b>98 (5*)</b>	<b>95 (5*)</b>	<b>93 (5*)</b>
<b>CO<sup>(2)</sup> mg/Nm<sup>3</sup></b>	<b>105 (5*)</b>	<b>123 (5*)</b>	<b>136 (5*)</b>
<b>η<sup>(2)</sup> %</b>	<b>93,6 (5*)</b>	<b>92,6 (5*)</b>	<b>91,9 (5*)</b>
<b>Sulla base delle prestazioni indicate, il generatore di calore risulta in classe</b> <b>Based on the declared performances, the heating appliance is in class</b>	<b>5 stelle / 5 stars</b>	<b>5 stelle / 5 stars</b>	<b>5 stelle / 5 stars</b>
<p><sup>(1)</sup> 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><sup>(2)</sup> 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 O<sub>2</sub> in condizioni normali (273 K, 1013 mbar, gas secco)  <i>Note: all the concentration values are calculated at 13% of O<sub>2</sub> in normal conditions (273 K, 1013 mbar, dry gas)</i></p>			

<b>Classi di prestazione</b> <b>Performance classes</b>	<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