

Technical parameters for solid fuel local space heaters REGULATION (EU) 2015/1186  
Information requirements for solid fuel local space heaters REGULATION (EU) 2015/1185  
Technische Parameter für Einzelraumheizgeräte für feste Brennstoffe VERORDNUNG (EU) 2015/1186  
Erforderliche Angaben zu Festbrennstoff- Einzelraumheizgeräten VERORDNUNG (EU) 2015/1185

| Model identifier(s) /<br>Modellkennung(en) :                                                    |                                                   | CUMULUS OMEGA XL KALKSTEIN - AP15-583V3L.R00                       |                  |                                                                                                         |     |      |     |                                                                                                            |     |      |     |  |  |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------|-----|------|-----|------------------------------------------------------------------------------------------------------------|-----|------|-----|--|--|
| Indirect heating functionality/<br>Indirekte Heizfunktion:                                      |                                                   | No / Nein                                                          |                  |                                                                                                         |     |      |     |                                                                                                            |     |      |     |  |  |
| Direct heat output/<br>Direkte Wärmeleistung:                                                   |                                                   | 7,0kW                                                              |                  |                                                                                                         |     |      |     |                                                                                                            |     |      |     |  |  |
| Indirect heat output/<br>Indirekte Wärmeleistung:                                               |                                                   | ---                                                                |                  |                                                                                                         |     |      |     |                                                                                                            |     |      |     |  |  |
| Fuel/<br>Brennstoff:                                                                            | Preferred<br>fuel/<br>Bevorzugter<br>Brennstoff : | Other<br>suitable<br>fuel/<br>Sonstige<br>geeignete<br>Brennstoff: | $\eta_s$<br>[%]: | Space heating emissions at<br>nominal heat output/<br>Raumheizungs-Emissionen<br>bei Nennwärmeleistung: |     |      |     | Space heating emissions at<br>minimum heat output/<br>Raumheizungs-Emissionen<br>bei Mindestwärmeleistung: |     |      |     |  |  |
|                                                                                                 |                                                   |                                                                    |                  | PM                                                                                                      | OGC | CO   | NOx | PM                                                                                                         | OGC | CO   | NOx |  |  |
|                                                                                                 |                                                   |                                                                    |                  | mg/m <sup>3</sup> (13 % O <sub>2</sub> )                                                                |     |      |     | mg/m <sup>3</sup> (13 % O <sub>2</sub> )                                                                   |     |      |     |  |  |
| Wood fogs with moisture<br>content ≤25%/<br>Scheitholz,<br>Feuchtigkeitsgehalt<br>≤25%:         | Yes / Ja                                          | No / Nein                                                          | 80               | 38                                                                                                      | 78  | 1096 | 80  | 44                                                                                                         | 93  | 1519 | 136 |  |  |
| Compressed wood with<br>moisture content ≤ 12 %<br>Pressholz,<br>Feuchtigkeitsgehalt<br>≤ 12 %: | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Other woody biomass/<br>Sonstige Holzartige<br>Biomasse:                                        | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Non-woody biomass/<br>Nicht-holzartige<br>Biomasse :                                            | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Anthracite and dry steam<br>coal/<br>Anthrazit und<br>Trockendampfkohle:                        | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Hard coke /<br>Steinkohlenkoks:                                                                 | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Low temperature coke/<br>Schwelkoks:                                                            | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Bituminous coal/<br>Bituminöse Kohle:                                                           | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |
| Lignite briquettes/<br>Braunkohlenbriketts:                                                     | No / Nein                                         | Yes / Ja                                                           | 80               | 34                                                                                                      | 61  | 838  | 104 | 39                                                                                                         | 95  | 1169 | 150 |  |  |
| Peat briquettes/<br>Torfbriketts:                                                               | No / Nein                                         | No / Nein                                                          | ---              | ---                                                                                                     | --- | ---  | --- | ---                                                                                                        | --- | ---  | --- |  |  |

| Fuel/<br>Brennstoff:                                                                                                        | Preferred<br>fuel/<br>Bevorzugter<br>Brennstoff : | Other<br>suitable<br>fuel/<br>Sonstige<br>geeignete<br>Brennstoff: | $\eta_s$<br>[%]:  | Space heating emissions at<br>nominal heat output/<br>Raumheizungs-Emissionen bei<br>Nennwärmeleistung:                              |     |     |     | Space heating emissions at<br>minimum heat output/<br>Raumheizungs-Emissionen bei<br>Mindestwärmeleistung: |                 |                   |     |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-----|
|                                                                                                                             |                                                   |                                                                    |                   | PM                                                                                                                                   | OGC | CO  | NOx | PM                                                                                                         | OGC             | CO                | NOx |
|                                                                                                                             |                                                   |                                                                    |                   | mg/m <sup>3</sup> (13 % O <sub>2</sub> )                                                                                             |     |     |     | mg/m <sup>3</sup> (13 % O <sub>2</sub> )                                                                   |                 |                   |     |
| Blended fossil fuel<br>Briquettes/<br>Briketts aus einer<br>Mischung aus fossilen<br>Brennstoffen:                          | No / Nein                                         | No / Nein                                                          | ---               | ---                                                                                                                                  | --- | --- | --- | ---                                                                                                        | ---             | ---               | --- |
| Other fossil fuel/<br>Sonstige fossile<br>Brennstoffe:                                                                      | No / Nein                                         | No / Nein                                                          | ---               | ---                                                                                                                                  | --- | --- | --- | ---                                                                                                        | ---             | ---               | --- |
| Blended biomass and fossil<br>fuel briquettes/<br>Briketts aus einer<br>Mischung aus Biomasse<br>und fossilen Brennstoffen: | No / Nein                                         | No / Nein                                                          | ---               | ---                                                                                                                                  | --- | --- | --- | ---                                                                                                        | ---             | ---               | --- |
| Other blend of bio-<br>mass and solid fuel/<br>Sonstige Mischung<br>aus Biomasse und festen<br>Brennstoffen:                | No / Nein                                         | No / Nein                                                          | ---               | ---                                                                                                                                  | --- | --- | --- | ---                                                                                                        | ---             | ---               | --- |
| Characteristics when operating with the preferred fuel only /<br>Eigenschaften beim Betrieb mit dem bevorzugten Brennstoff: |                                                   |                                                                    |                   |                                                                                                                                      |     |     |     |                                                                                                            |                 |                   |     |
| Seasonal space heating energy efficiency $\eta$ [%]/<br>Raumheizungs-Jahresnutzungsgrad $\eta$ [%]:                         |                                                   |                                                                    |                   |                                                                                                                                      |     |     |     | 80                                                                                                         |                 |                   |     |
| Energy Efficiency Index / Energieeffizienzindex (EEI):                                                                      |                                                   |                                                                    |                   |                                                                                                                                      |     |     |     | 106                                                                                                        |                 |                   |     |
| Item / Angabe:                                                                                                              | Symbol                                            | Value /<br>Wert                                                    | Unit /<br>Einheit | Item / Angabe                                                                                                                        |     |     |     | Symbol                                                                                                     | Value /<br>Wert | Unit /<br>Einheit |     |
| Heat output / Wärmeleistung:                                                                                                |                                                   |                                                                    |                   | Useful efficiency (NCV as received)/<br>Brennstoff-Wirkungsgrad (auf der Grundlage des NCV):                                         |     |     |     |                                                                                                            |                 |                   |     |
| Nominal heat output/<br>Nennwärmeleistung:                                                                                  | $P_{nom}$                                         | 7,0                                                                | kW                | Useful efficiency at<br>nominal heat output/<br>Brennstoff-<br>Wirkungsgrad bei<br>Nennwärmeleistung:                                |     |     |     | $\eta_{th,nom}$                                                                                            | 80              | %                 |     |
| Minimum heat output<br>(indicative)/<br>Mindestwärmeleistung<br>(Richtwert):                                                | $P_{min}$                                         | ---                                                                | kW                | Useful efficiency at<br>minimum heat output<br>(indicative) / Brennstoff-<br>Wirkungsgrad b.<br>Mindestwärmeleistung<br>(Richtwert): |     |     |     | $\eta_{th,nom}$                                                                                            | ---             | %                 |     |

|                                                                                                       |                                                                                                                                                                     |     |    |                                                                                                                                      |           |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Auxiliary electricity consumption/<br>Hilfsstromverbrauch (F4):                                       |                                                                                                                                                                     |     |    | Type of heat output/room temperature control /<br>Art der Wärmeleistung/Raumtemperaturkontrolle (F2):                                |           |
| At nominal heat output/<br>Bei Nennwärmeleistung:                                                     | $e_{lmax}$                                                                                                                                                          | --- | kW | Single stage heat output, no room temperature control /<br>Einstufige Wärmeleistung, keine Raumtemperaturkontrolle (0%):             | No / Nein |
| At minimum heat output/<br>Bei Mindestwärmeleistung:                                                  | $e_{lmin}$                                                                                                                                                          | --- | kW | Two or more manual stages, no room temperature control / Zwei oder mehr manuelle Stufen, keine Raumtemperaturkontrolle (1%):         | No / Nein |
| In standby mode/<br>Im Bereitschaftszustand:                                                          | $e_{fsb}$                                                                                                                                                           | --- | kW | With mechanic thermostat room temperature control /<br>Raumtemperaturkontrolle mittels eines mechanischen Thermostats (2%) :         | No / Nein |
| Permanent pilot flame power requirement/<br>Leistungsbedarf der Pilotflamme(F5):                      |                                                                                                                                                                     |     |    | With electronic room temperature control/<br>Mit elektronischer Raumtemperaturkontrolle (4%):                                        | No / Nein |
| Pilot flame power requirement (if applicable)/<br>Leistungsbedarf der Pilotflamme (soweit vorhanden): | $P_{pilot}$                                                                                                                                                         | --- | kW | With electronic room temperature control plus day timer /<br>Mit elektronischer Raumtemperaturkontrolle und Tageszeitregelung (6%):  | No / Nein |
|                                                                                                       |                                                                                                                                                                     |     |    | With electronic room temperature control plus week timer/<br>Mit elektronischer Raumtemperaturkontrolle und Wochentagsregelung (7%): | No / Nein |
|                                                                                                       |                                                                                                                                                                     |     |    | Other control options /<br>Sonstige Regelungsoptionen (F3):                                                                          |           |
|                                                                                                       |                                                                                                                                                                     |     |    | Room temperature control, with presence detection /<br>Raumtemperaturkontrolle mit Präsenzerkennung (1%):                            | No / Nein |
|                                                                                                       |                                                                                                                                                                     |     |    | Room temperature control, with open window detection/<br>Raumtemperaturkontrolle mit Erkennung offener Fenster (1%):                 | No / Nein |
|                                                                                                       |                                                                                                                                                                     |     |    | With distance control option/<br>Mit Fernbedienungsoption (1%) :                                                                     | No / Nein |
| Contact details/<br>Kontaktdaten:                                                                     | Thermia d.o.o. Buzinski prilaz 2, 10010 Zagreb CROATIA<br><a href="http://www.thermia.hr">www.thermia.hr</a> , <a href="mailto:info@thermia.hr">info@thermia.hr</a> |     |    |                                                                                                                                      |           |