



KWB Classicfire 1

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a “package”.

| CF1 | UNIT | 15 | 20 |
|---|--|-----------------|-------------|
| Stoking mode | | manual | |
| Share of partial load in relation to nominal load (30%/50%) | % | - | |
| Temperature control integrated in the boiler (yes/no) | | Yes | |
| Temperature control class | | VI | |
| Contribution of the temperature control to the energy efficiency index of the package | % | 4 | |
| Factor II (Weighting primary solid fuel boiler and additional heating device) | | 0 | |
| Value for III (294/(11*Pr)) | | 1,78 | 1,34 |
| Value for IV (115/(11*Pr)) | | 0,70 | 0,52 |
| Condensing boiler | | No | |
| Combination boiler for hot water and heating | | No | |
| Solid Fuel cogeneration boiler | | No | |
| Preferred fuel | | Log Wood | |
| Energy efficiency class | | A+ | A+ |
| Rated power | kW | 15 | 20 |
| Partial load | kW | - | - |
| Energy efficiency index - boiler | | 117 | 117 |
| Seasonal space heating energy efficiency in active mode | % | 79 | 79 |
| Energy efficiency class - integration with heating circuit control | | A+ | A+ |
| Energy efficiency index - integration with heating circuit control | | 121 | 121 |
| Boiler efficiency at rated power (NCV* / GCV**) | % | 92,6 / 83,3 | 92,3 / 83,0 |
| Boiler efficiency at partial load (NCV* / GCV**) | % | - | - |
| Auxiliary power consumption at nominal heat output | kW | 0,046 | 0,047 |
| Auxiliary power consumption at partial load | kW | - | - |
| Auxiliary power consumption at standby | kW | 0,0083 | 0,0083 |
| Seasonal space heating emissions*** - PM | mg/m ³ (10% O ₂) | 11 | 12 |
| Seasonal space heating emissions*** - OGC | mg/m ³ (10% O ₂) | 6 | 7 |
| Seasonal space heating emissions*** - CO | mg/m ³ (10% O ₂) | 46 | 39 |
| Seasonal space heating emissions*** - Nox | mg/m ³ (10% O ₂) | 152 | 143 |

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

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KWB Classicfire / KWB Combifire

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| CF1.5 / CF2 | UNIT | 18 | 28 | 32 | 38 |
|---|--|-----------------|-------------|-------------|-------------|
| Stoking mode | | manual | | | |
| Share of partial load in relation to nominal load (30%/50%) | % | - | 50 | 50 | 50 |
| Temperature control integrated in the boiler (yes/no) | | Yes | | | |
| Temperature control class | | VI | | | |
| Contribution of the temperature control to the energy efficiency index of the package | % | 4 | | | |
| Factor II (Weighting primary solid fuel boiler and additional heating device) | | 0 | | | |
| Value for III (294/(11*Pr)) | | 1,48 | 0,95 | 0,84 | 0,70 |
| Value for IV (115/(11*Pr)) | | 0,58 | 0,37 | 0,33 | 0,28 |
| Condensing boiler | | No | | | |
| Combination boiler for hot water and heating | | No | | | |
| Solid Fuel cogeneration boiler | | No | | | |
| Preferred fuel | | Log Wood | | | |
| Energy efficiency class | | A+ | A+ | A+ | A+ |
| Rated power | kW | 18 | 28 | 32 | 38 |
| Partial load | kW | - | 14 | 14 | 14 |
| Usable heat output at partial load | kW | - | 14 | 14 | 14 |
| Energy efficiency index - boiler | | 121 | 119 | 119 | 119 |
| Seasonal space heating energy efficiency in active mode | % | 82 | 81 | 81 | 81 |
| Energy efficiency class - integration with heating circuit control | | A++ | A+ | A+ | A+ |
| Energy efficiency index - integration with heating circuit control | | 125 | 123 | 123 | 123 |
| Boiler efficiency at rated power (NCV* / GCV**) | % | 93,9 / 86,3 | 92,5 / 85 | 91,9 / 84,4 | 91,3 / 83,9 |
| Boiler efficiency at partial load (NCV* / GCV**) | % | - | 92,0 / 84,5 | 92,0 / 84,5 | 92,0 / 84,5 |
| Auxiliary power consumption at nominal heat output | kW | 0,052 | 0,068 | 0,074 | 0,080 |
| Auxiliary power consumption at partial load | kW | - | 0,046 | 0,046 | 0,046 |
| Auxiliary power consumption at standby | kW | 0,0090 | 0,0090 | 0,0090 | 0,0090 |
| Seasonal space heating emissions*** - PM | mg/m ³ (10% O ₂) | 13 | 4 | 4 | 4 |
| Seasonal space heating emissions*** - OGC | mg/m ³ (10% O ₂) | 3 | 4 | 4 | 4 |
| Seasonal space heating emissions*** - CO | mg/m ³ (10% O ₂) | 37 | 69 | 69 | 69 |
| Seasonal space heating emissions*** - Nox | mg/m ³ (10% O ₂) | 154 | 151 | 151 | 152 |

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| CF1.5 / CF2 | UNIT | 18 | 28 | 32 | 38 |
|--|--|---------------------|-------------|-------------|-------------|
| Other suitable fuel | | Wood Pellets | | | |
| Energy efficiency class | | A+ | A+ | A+ | A+ |
| Usable heat output at nominal heat output | kW | 22,4 | 27,7 | 31,2 | 33,9 |
| Usable heat output at partial load | kW | 6,6 | 8,2 | 9,2 | 10 |
| Energy efficiency index - boiler | | 120 | 120 | 120 | 120 |
| Seasonal space heating energy efficiency in active mode | % | 82 | 82 | 82 | 82 |
| Energy efficiency class - integration with heating circuit control | | A+ | A+ | A+ | A+ |
| Energy efficiency index - integration with heating circuit control | | 124 | 124 | 124 | 124 |
| Boiler efficiency at rated power (NCV* / GCV**) | % | 93,9 / 86,9 | 93,9 / 86,9 | 93,9 / 86,9 | 93,9 / 86,9 |
| Boiler efficiency at partial load (NCV* / GCV**) | % | 93,3 / 86,4 | 93,1 / 86,2 | 93,0 / 86,1 | 92,9 / 86,0 |
| Auxiliary power consumption at nominal heat output | kW | 0,088 | 0,101 | 0,110 | 0,117 |
| Auxiliary power consumption at partial load | kW | 0,054 | 0,056 | 0,058 | 0,059 |
| Auxiliary power consumption at standby | kW | 0,009 | 0,009 | 0,009 | 0,009 |
| Seasonal space heating emissions*** - PM | mg/m ³ (10% O ₂) | 34 | 33 | 32 | 31 |
| Seasonal space heating emissions*** - OGC | mg/m ³ (10% O ₂) | 6 | 6 | 5 | 5 |
| Seasonal space heating emissions*** - CO | mg/m ³ (10% O ₂) | 184 | 164 | 150 | 140 |
| Seasonal space heating emissions*** - Nox | mg/m ³ (10% O ₂) | 134 | 132 | 130 | 129 |

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