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|-------------------------------|----------------------------------|------------------------------|----------------------------------|
| 18 R REALIZATION | 5 E EXPERIMENTATION | 16 P PRODUCTION | |
| | 15 O OPTIMIZATION | 18 R REGULATION | 20 T TRANSPORTATION |
| | | 5 E EVALUATION | 4 D DEDICATION |

INITIAL TYPE TEST REPORT

ULTIME D MF 800-50 WHE 1S

IN ORDER OF:

METALFIRE+ BVBA





INITIAL TYPE TEST REPORT ULTIME D MF 800-50 WHE 1S

EZKA-14-0159-10

MAY 12, 2017

Laboratory

SGS NEDERLAND BV

NOTIFIED BODY 0608

Customer

MetalFire+ BVBA

Noorwegenstraat 28

B-9940 Evergem

Belgium

Approved by

Jens Dekker
Project Leader

Jaap Boot
Operational Manager Air Monitoring



SUMMARY

This report contains the test results of a room heater fired by solid fuels in accordance with NEN EN 13229:2001 and NEN EN 13229-A2:2004.

Brief description of the project

| Description | |
|---------------|--|
| Manufacturer | MetalFire+ BVBA Noorwegenstraat 28 B-9940 Evergem Belgium |
| Principal | MetalFire+ BVBA |
| Appliance | ULTIME D MF 800-50 WHE 1S |
| Test category | Initial type test |

This test report is only valid in combination with SGS test report EZKA-14-0159-3 of ULTIME MF 600-50 WHE 1S (14 kW) and report EZKA-14-0159-9 of appliance ULTIME MF 1050-50 WHE 1S (19 kW). The appliance '800-50' belongs to the same product range as the tested appliances '600-50' and '1050-50'. The heating outputs of the '600-50' and '1050-50' are in the ratio 1 - 1.6. Therefore no objection exists from the side of the test laboratory to transfer the results of the initial type tests of the tested appliances to appliance '800-50'. An abstract of the results is presented below.

Abstract of the test results

| Essential characteristic | |
|---|--|
| Test fuel | Beech |
| Fire safety | Pass |
| Emission of combustion products (related to 13% O ₂) | CO: 0.07 vol% NO _x : 118 mg/m ₀ ³ C _x H _y *: 53 mg/m ₀ ³ Dust: 32 mg/m ₀ ³ |
| Surface temperature | Pass |
| Measured Thermal output | 16.6 kW |
| Energy efficiency | 80.2 % |
| Release of dangerous substances | Pass |

* equivalents of C₃H₈.

Room heater ULTIME D MF 800-50 WHE 1S is an intermittent burning appliance. The appliance is not suitable for installation on a shared flue gas system.

This test report consists of pages 1 until 13 and the annexes 1 until 5.