

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Tweed**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

HLK Heizung Luftung Klimatechnik, 70569 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

B00 691.1431K1 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1150 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1944 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 227 \text{ W}$ ¹⁾
	$\phi 50 = 424 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 3,57 \times \Delta T t^{1,2213}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017

[Signature] DYREKTOR
Piotr Kościuszko

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Plume**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 82 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

11.50.ZEP.030 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

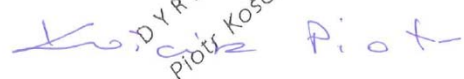
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	82 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 295 \text{ W}$ ¹⁾
	$\phi 50 = 546 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 4,94 \times \Delta T t^{1,203}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Zehnder Palma**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

HLK Heizung Luftung Klimatechnik, 70569 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

B03 671.1679K ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

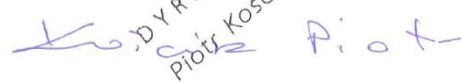
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1150 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1944 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 307 \text{ W}$ ¹⁾
	$\phi 50 = 585 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 4,23 \times \Delta T t^{1,26}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Aubade Ouvea**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 110 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

16.50.ZEP.078 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

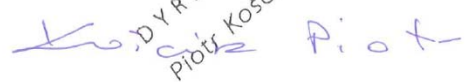
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1200 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	110 °C
Resistance to pressure	Pass (2028 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 496 \text{ W}$ ¹⁾
	$\phi 50 = 929 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 7,56 \times \Delta T t^{1,23}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Oda**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 110 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

HLK Heizung Luftung Klimatechnik, 70569 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

B03 671.1678 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

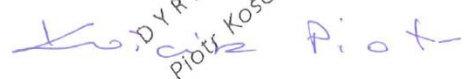
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	110 °C
Resistance to pressure	Pass (1944 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 289 \text{ W}$ ¹⁾
	$\phi 50 = 552 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 3,84 \times \Delta T t^{1,27}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Nuage**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 82 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

11.50.ZEP.031 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

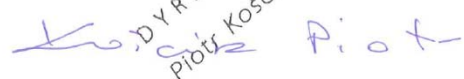
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	82 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 386 \text{ W}$ ¹⁾
	$\phi 50 = 714 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 6,43 \times \Delta T t^{1,204}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Manilla**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

14.50.ZEP.063 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

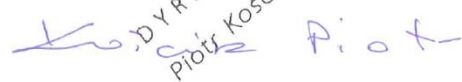
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1200 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (2028 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 301 \text{ W}$ ¹⁾
	$\phi 50 = 572 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 4,14 \times \Delta T t^{1,26}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Keva**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

CETIAT, 27-29 boulevard du 11 Novembre 1918, 69604 VILLEURBANNE Cedex ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

CETITAT 2153 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

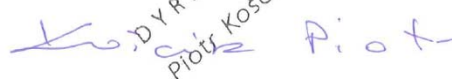
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 685 \text{ W}$ ¹⁾
	$\phi 50 = 1318 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 8,81 \times \Delta T^{1,28}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz



Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Keva Spa**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

CETIAT, 27-29 boulevard du 11 Novembre 1918, 69604 VILLEURBANNE Cedex ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

CETITAT 98-234 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

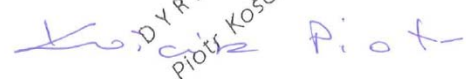
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 381 \text{ W}^{1)}$
	$\phi 50 = 709 \text{ W}^{1)}$
Thermal output in different operating conditions (characteristic curve)	$\phi = 6,1 \times \Delta T t^{1,2158 1)}$
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Karena**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

HLK Heizung Luftung Klimatechnik, 70569 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

B09 671.2281 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

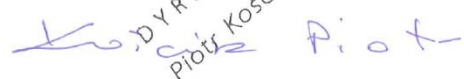
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	400 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (676 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 249 \text{ W}$ ¹⁾
	$\phi 50 = 474 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 3,43 \times \Delta T t^{1,26}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Karena Room**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

HLK Heizung Luftung Klimatechnik, 70569 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

B09 671.2281 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

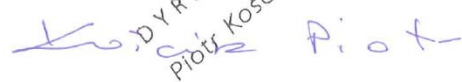
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	400 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (676 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 256 \text{ W}$ ¹⁾
	$\phi 50 = 490 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 3,41 \times \Delta T t^{1,27}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Kadrane**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

11.50.ZEP.039 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

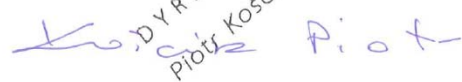
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 442 \text{ W}$ ¹⁾
	$\phi 50 = 830 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 6,65 \times \Delta T t^{1,234}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Kadrane Spa**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSPLab, Kapuzinerweg 7, D-70374 Stuttgart ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

11.50.ZEP.039 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

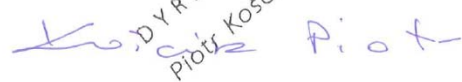
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 368 \text{ W}$ ¹⁾
	$\phi 50 = 694 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 5,34 \times \Delta T t^{1,244}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Runtal HT/VT**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

CETIAT, 27-29 boulevard du 11 Novembre 1918, 69604 VILLEURBANNE Cedex ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

CETITAT 883 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

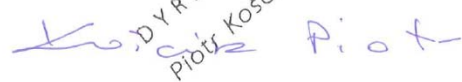
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	400 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (676 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 1742 \text{ W}$ ¹⁾
	$\phi 50 = 3320 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 23,73 \times \Delta T t^{1,263}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

Declaration of performance

1. Unique identification code of the product-type:

EN 442-2:2014 Annex G

- Figure G.3: **Acova Clipper**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) is visible on the product packaging label.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

Poland

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

CETIAT, 27-29 boulevard du 11 Novembre 1918, 69604 VILLEURBANNE Cedex ¹⁾

has assessed and evaluated the product under system 3 and issued the following report:

CETITAT 2736 ¹⁾

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance

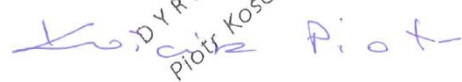
Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	1000 kPa ¹⁾
Pressure tightness: - Resistance to pressure at 1,30 x MOP: - Resistance to pressure at 1,69 x MOP	no leakage no breakage
Surface temperature maximum	120 °C
Resistance to pressure	Pass (1690 kPa) ¹⁾
Rated thermal outputs	$\phi 30 = 449 \text{ W}$ ¹⁾
	$\phi 50 = 846 \text{ W}$ ¹⁾
Thermal output in different operating conditions (characteristic curve)	$\phi = 6,62 \times \Delta T t^{1,24}$ ¹⁾
Durability as: - Resistance against corrosion: - Resistance against minor impact:	no corrosion after 100 h humidity Class 0

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Remark ¹⁾: These are example values. The actual values of all products covered by this declaration can be found on the product packaging labels, in technical documentations and in digital medias.

Bolesławiec, 29.09.2017


DYREKTOR
Piotr Kościusz

