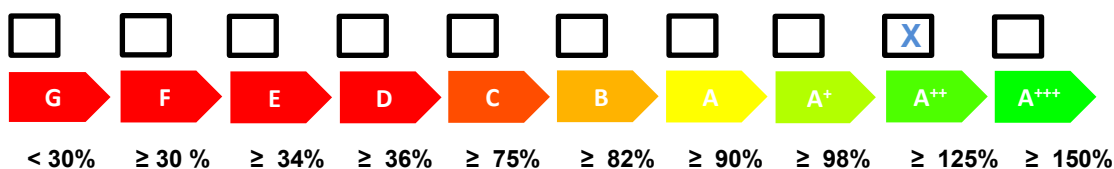


Datenblatt für Verbundanlage aus Raumheizgerät oder Kombiheizgerät mit Wärmepumpe, Temperaturregler und Solareinrichtungen, Raumheizungs-Energieeffizienz
Basic Line Air Bloc 7015
Abbildung 3

Bei Vorzugsraumheizgeräten mit Wärmepumpe und Vorzugskombiheizgeräten mit Wärmepumpe zur Angabe der jahreszeitbedingten Raumheizungs-Energieeffizienz der angebotenen Verbundanlage in das Datenblatt für eine Verbundanlage aus Raumheizgeräten, Temperaturreglern und Solareinrichtungen bzw. eine Verbundanlage aus Kombiheizgeräten, Temperaturreglern und Solareinrichtungen aufzunehmen

| | | | | | | | | | | | |
|---|--|----------------------------------|----------------------------------|---|--|--|--|---|---|-----|---|
| Jahreszeitbedingte Raumheizungs-Energieeffizienz der Wärmepumpe | | | | | | | | | 1 | 140 | % |
| Temperaturregler | | | | | | | | | 2 | 2 | % |
| Vom Datenblatt des Temperaturreglers | Klasse I = 1 %, Klasse II = 2 %, Klasse III = 1,5 %, Klasse IV = 2 %, Klasse V = 3 %, Klasse VI = 4 %, Klasse VII = 3,5 %, Klasse VIII = 5 % | | | | | | | + | | | |
| Zusatzheizkessel | | | | | | | | | 3 | 0 | % |
| Vom Datenblatt des Heizkessels | Jahreszeitbedingte Raumheizungs-Energieeffizienz in % $(0 - 'I') \times 'II' =$ | | | | | | | - | | | |
| Solarer Beitrag | | | | | | | | | 4 | 0 | % |
| Vom Datenblatt der Solareinrichtung | Kollektorgroße (in m ²) | Tankvolumen (in m ³) | Kollektorwirkungsgrad (in %) | Tankeinstufung A+ = 0,95, A = 0,91, B = 0,86, C = 0,83, D-G = 0,81 | | | | | | | |
| | $('III' \times 0$ | $+ 'IV' \times 0$ | $) \times 0,45 \times (0 / 100)$ | $\times 1$ | | | | | + | | |
| Jahreszeitbedingte Raumheizungs-Energieeffizienz der Verbundanlage bei durchschnittlichem Klima | | | | | | | | | 5 | 142 | % |

Jahreszeitbedingte Raumheizungs-Energieeffizienzklasse der Verbundanlage bei durchschnittlichem Klima



Jahreszeitbedingte Raumheizungs-Energieeffizienz der Verbundanlage bei kälterem und wärmeren Klima

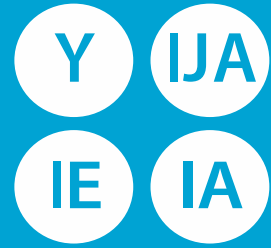
| | | | | | | | | | | | | | | | |
|---------|---|-----|---|----|---|-----|---|---------|---|-----|---|---|---|-----|---|
| Kälter: | 5 | 142 | - | 21 | = | 121 | % | Wärmer: | 5 | 142 | + | 5 | = | 147 | % |
|---------|---|-----|---|----|---|-----|---|---------|---|-----|---|---|---|-----|---|

Die auf diesem Datenblatt für den Produktverbund angegebene Energieeffizienz weicht möglicherweise von der Energieeffizienz nach dessen Einbau in ein Gebäude ab, denn diese wird von weiteren Faktoren wie dem Wärmeverlust im Verteilungssystem und der Dimensionierung der Produkte im Verhältnis zu Größe und Eigenschaften des Gebäudes beeinflusst.



ENERG



енергия · ενέργεια

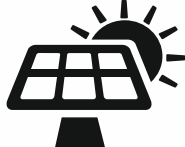



 WATERKOTTE


Basic Line Air Bloc 7015

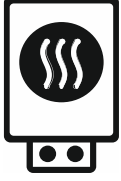




+ 

+ 


+ 

+ 





 


















Product fiche requirements for heat pump space heaters and heat pump combination heaters (in accordance with EU regulation no. 811/2013)

| | | | | | | | | |
|-----------------|---|--------------------------|--|--|--|--|--|--|
| Supplier's name | Waterkotte GmbH, Gewerkestr. 15, 44628 Herne, Germany | | | | | | | |
| Modell(s): | 1 | Basic Line Air Bloc 7008 | | | | | | |
| | 2 | Basic Line Air Bloc 7015 | | | | | | |
| | 3 | | | | | | | |
| | 4 | | | | | | | |
| | 5 | | | | | | | |
| | 6 | | | | | | | |
| | 7 | | | | | | | |
| | 8 | | | | | | | |

| Item | Symbol | Unit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|--------------------|-------|-------------|---------------|---|---|---|---|---|---|
| Medium temperature / Low temperature | | | | | | | | | | |
| Seasonal space heating energy efficiency class of the model | - | - | A++ / A+++ | A++ / A+++ | | | | | | |
| Declared load profile for water heating | - | - | - | - | | | | | | |
| Water heating energy efficiency class | - | - | - | - | | | | | | |
| Rated heat output, including the rated heat output of any supplementary heater under average climate conditions | P _{rated} | kW | 7 / 7 | 11 / 13 | | | | | | |
| Seasonal space heating energy efficiency under average climate conditions | η _{ls} | % | 138 / 175 | 140 / 191 | | | | | | |
| Space heating, annual energy consumption under average climate conditions | Q _{HE} | kWh | 3816 / 3251 | 6383 / 5345 | | | | | | |
| Water heating energy efficiency under average climate conditions | η _{wh} | % | - | - | | | | | | |
| Water heating, the annual electricity consumption under average climate conditions | AEC | kWh | - | - | | | | | | |
| Sound power level L _{WA} , indoors | L _{WA} | dB(A) | 35 | 36 | | | | | | |
| Any specific precautions that shall be taken when the heater is assembled, installed or maintained: see installation manual Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: siehe Installationsanleitung Les éventuelles précautions particulières qui doivent être prises lors du montage, de l'installation ou de l'entretien du dispositif de chauffage des locaux: voir manuel d'installation | | | | | | | | | | |
| Rated heat output, including the rated heat output of any supplementary heater under colder climate conditions | P _{rated} | kW | 10 / 10 | 17 / 19 | | | | | | |
| Rated heat output, including the rated heat output of any supplementary heater under warmer climate conditions | P _{rated} | kW | 3 / 4 | 4 / 7 | | | | | | |
| Seasonal space heating energy efficiency under colder climate conditions | η _{ls} | % | 119 / 145 | 119 / 146 | | | | | | |
| Seasonal space heating energy efficiency under warmer climate conditions | η _{ls} | % | 162 / 261 | 145 / 225 | | | | | | |
| Space heating, annual energy consumption under colder climate conditions | Q _{HE} | kWh | 7853 / 6853 | 13813 / 12473 | | | | | | |
| Space heating, annual energy consumption under warmer climate conditions | Q _{HE} | kWh | 1077 / 754 | 1559 / 1610 | | | | | | |
| Water heating energy efficiency under colder climate conditions | η _{wh} | % | - | - | | | | | | |
| Water heating energy efficiency under warmer climate conditions | η _{wh} | % | - | - | | | | | | |
| Water heating, the annual electricity consumption under colder climate conditions | AEC | kWh | - | - | | | | | | |
| Water heating, the annual electricity consumption under warmer climate conditions | AEC | kWh | - | - | | | | | | |
| Sound power level L _{WA} , outdoors | L _{WA} | dB(A) | 54 | 60 | | | | | | |

Information requirements for heat pump space heaters and heat pump combination heaters (in accordance with EU regulation no. 813/2013)

| | | | | | | | | | |
|------------|---|--------------------------|--|--|--|--|--|--|--|
| Modell(s): | 1 | Basic Line Air Bloc 7008 | | | | | | | |
| | 2 | Basic Line Air Bloc 7015 | | | | | | | |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
|---|-----|-----|---|---|---|---|---|---|--|
| Air-to-water heat pump | yes | yes | | | | | | | |
| Water-to-water heat pump | - | - | | | | | | | |
| Brine-to-water heat pump | - | - | | | | | | | |
| Low-temperature heat pump | yes | yes | | | | | | | |
| Equipped with a supplementary heater | yes | yes | | | | | | | |
| Heat pump combination heater | - | - | | | | | | | |
| Parameters shall be declared for medium-temperature application , except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. | | | | | | | | | |
| Parameters shall be declared for average climate conditions . | | | | | | | | | |

| Item | Symbol | Unit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--|---|-------------------|-------------|---------|---|---|---|---|---|---|
| Rated heat output (*) | P _{rated} | kW | 7 | 11 | | | | | | |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | | | | | | | |
| T _j = -7 °C | P _{dh} | kW | 5,8 | 9,7 | | | | | | |
| T _j = +2 °C | P _{dh} | kW | 3,6 | 6,0 | | | | | | |
| T _j = +7 °C | P _{dh} | kW | 3,0 | 5,2 | | | | | | |
| T _j = +12 °C | P _{dh} | kW | 3,3 | 6,6 | | | | | | |
| T _j = bivalent temperature | P _{dh} | kW | 5,8 | 9,7 | | | | | | |
| T _j = operation limit temperature | P _{dh} | kW | 5,2 | 9,1 | | | | | | |
| For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C) | P _{dh} | kW | - | - | | | | | | |
| Bivalent temperature | T _{biv} | °C | -7 | -7 | | | | | | |
| Cycling interval capacity for heating | P _{cyhc} | kW | - | - | | | | | | |
| Degradation co-efficient (**) | C _{dh} | - | 1,0 | 1,0 | | | | | | |
| Seasonal space heating energy efficiency | | | | | | | | | | |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | | | | | | | |
| T _j = -7 °C | COP _d | - | 2,42 | 2,28 | | | | | | |
| T _j = +2 °C | COP _d | - | 3,25 | 3,55 | | | | | | |
| T _j = +7 °C | COP _d | - | 4,76 | 4,38 | | | | | | |
| T _j = +12 °C | COP _d | - | 5,94 | 6,30 | | | | | | |
| T _j = bivalent temperature | COP _d | - | 2,42 | 2,28 | | | | | | |
| T _j = operation limit temperature | COP _d | - | 2,13 | 2,04 | | | | | | |
| For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C) | COP _d | - | - | - | | | | | | |
| For air-to-water heat pumps: Operation limit temperature | TOL | °C | -20 | -20 | | | | | | |
| Cycling interval efficiency | COP _{cyhc} | - | - | - | | | | | | |
| Heating water operating limit temperature | WTOL | °C | 70 | 70 | | | | | | |
| Power consumption in modes other than active mode | | | | | | | | | | |
| Off mode | P _{OFF} | kW | 0,006 | 0,028 | | | | | | |
| Thermostat-off mode | P _{TO} | kW | 0,006 | 0,020 | | | | | | |
| Standby mode | P _{SB} | kW | 0,006 | 0,030 | | | | | | |
| Crankcase heater mode | P _{CK} | kW | 0,000 | 0,020 | | | | | | |
| Supplementary heater | | | | | | | | | | |
| Rated heat output (*) | P _{sup} | kW | 1,3 | 1,8 | | | | | | |
| Type of energy input | | electricity | electricity | | | | | | | |
| Other items | | | | | | | | | | |
| Capacity control | fixed/variable | variable | variable | | | | | | | |
| Sound power level, indoors/ outdoors | L _{WA} | dB(A) | 35 / 54 | 36 / 60 | | | | | | |
| Emissions of nitrogen oxides | NO _x | mg/kWh | - | - | | | | | | |
| For air-to-water heat pumps: Rated air flow rate, outdoors | | m ³ /h | 3150 | 6300 | | | | | | |
| For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | | m ³ /h | - | - | | | | | | |
| Declared load profile | | | | | | | | | | |
| Daily electricity consumption | Q _{elec} | kWh | - | - | | | | | | |
| Water heating energy efficiency | η _{wh} | % | - | - | | | | | | |
| Daily fuel consumption | Q _{fuel} | kWh | - | - | | | | | | |
| Contact details | Waterkotte GmbH, Gewerkestr. 15, 44628 Herne, Germany | | | | | | | | | |

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output P_{rated} is equal to the design load for heating P_{design}, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating sup(T_j).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Any specific precautions that shall be taken when the heater is assembled, installed or maintained: see installation manual

Information relevant for disassembly, recycling and/or disposal at end-of-life: see installation manual

Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: siehe Installationsanleitung
Sachdienliche Angaben für das Zerlegen, die Wiederverwendung und/oder die Entsorgung nach der endgültigen Außerbetriebstellung: siehe Installationsanleitung

Les éventuelles précautions particulières qui doivent être prises lors du montage, de l'installation ou de l'entretien du dispositif de chauffage des locaux: voir manuel d'installation
Informations utiles pour le démontage, le recyclage et/ou l'élimination à la fin du cycle de vie de l'appareil: voir manuel d'installation

Product fiche for temperature controls (in accordance with EU regulation no. 811/2013)

| | | | | | | | | | | | | | | |
|--|---------------|-------------|--|---------------------------|---|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Supplier's name | | | Waterkotte GmbH, Gewerkenstr. 15, 44628 Herne, Germany | | | | | | | | | | | |
| Supplier's model identifier: | | | 1 | WWPR Inverter RS | WWPR for Inverter heat pump with room sensor | | | | | | | | | |
| | | | 2 | WWPR Inverter | WWPR for Inverter heat pump without room sensor | | | | | | | | | |
| | | | 3 | WWPR ON/OFF RS | WWPR for brine or water to water heat pump with room sensor | | | | | | | | | |
| | | | 4 | WWPR ON/OFF | WWPR for brine or water to water heat pump without room sensor | | | | | | | | | |
| | | | 5 | WWPR2/EasyCon Inverter RS | WWPR2/EasyCon for inverter heat pump with room sensor | | | | | | | | | |
| | | | 6 | WWPR2/EasyCon Inverter | WWPR2/EasyCon for inverter heat pump without room sensor | | | | | | | | | |
| | | | 7 | WWPR2/EasyCon ON/OFF RS | WWPR2/EasyCon for brine or water to water heat pump with room sensor | | | | | | | | | |
| | | | 8 | WWPR2/EasyCon ON/OFF | WWPR2/EasyCon for brine or water to water heat pump without room sensor | | | | | | | | | |
| | | | 9 | WPRs Inverter RS | WPRs for Inverter heat pump with room sensor | | | | | | | | | |
| | | | 10 | WPRs Inverter | WPRs for Inverter heat pump without room sensor | | | | | | | | | |
| | | | 11 | Basic Pro 2.0 Inverter RS | Basic Pro 2.0 for inverter heat pump with room sensor | | | | | | | | | |
| | | | 12 | Basic Pro 2.0 Inverter | Basic Pro 2.0 for inverter heat pump without room sensor | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Item | Symbol | Unit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Class of the temperature control | - | - | VI | II | VII | III | VI | II | VII | III | VI | II | VI | II |
| Contribution of the temperature control to seasonal space heating energy efficiency in % | - | % | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 4,0 | 2,0 |

Produktdatenblatt des Temperaturreglers (in Übereinstimmung mit EU-Verordnung no. 811/2013)

| | | | | | | | | | | | | | | |
|--|---------------|----------------|--|---------------------------|---|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Name des Lieferanten | | | Waterkotte GmbH, Gewerkenstr. 15, 44628 Herne, Germany | | | | | | | | | | | |
| Modellkennung des Lieferanten: | | | 1 | WWPR Inverter RS | WWPR für Inverter WP mit Raumfühler | | | | | | | | | |
| | | | 2 | WWPR Inverter | WWPR für Inverter WP ohne Raumfühler | | | | | | | | | |
| | | | 3 | WWPR ON/OFF RS | WWPR für Sole/Wasser o. Wasser/Wasser WP mit Raumfühler | | | | | | | | | |
| | | | 4 | WWPR ON/OFF | WWPR für Sole/Wasser o. Wasser/Wasser WP ohne Raumfühler | | | | | | | | | |
| | | | 5 | WWPR2/EasyCon Inverter RS | WWPR2 für Inverter WP mit Raumfühler | | | | | | | | | |
| | | | 6 | WWPR2/EasyCon Inverter | WWPR2 für Inverter WP ohne Raumfühler | | | | | | | | | |
| | | | 7 | WWPR2/EasyCon ON/OFF RS | WWPR2 für Sole/Wasser o. Wasser/Wasser WP mit Raumfühler | | | | | | | | | |
| | | | 8 | WWPR2/EasyCon ON/OFF | WWPR2 für Sole/Wasser o. Wasser/Wasser WP ohne Raumfühler | | | | | | | | | |
| | | | 9 | WPRs Inverter RS | WPRs für Inverter WP mit Raumfühler | | | | | | | | | |
| | | | 10 | WPRs Inverter | WPRs für Inverter WP ohne Raumfühler | | | | | | | | | |
| | | | 11 | Basic Pro 2.0 Inverter RS | Basic Pro 2.0 für Inverter WP mit Raumfühler | | | | | | | | | |
| | | | 12 | Basic Pro 2.0 Inverter | Basic Pro 2.0 für Inverter WP ohne Raumfühler | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Angabe | Symbol | Einheit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Klasse des Temperaturreglers | - | - | VI | II | VII | III | VI | II | VII | III | VI | II | VI | II |
| Beitrag des Temperaturreglers zur jahreszeitbedingten Raumheizungs-Energieeffizienz in % | - | % | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 4,0 | 2,0 |

Fiche de produit relative au régulateur de température (conformément à la réglementation de l'UE no. 811/2013)

| | | | | | | | | | | | | | | |
|---|----------------|--------------|--|---------------------------|--|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Nom du fournisseur | | | Waterkotte GmbH, Gewerkenstr. 15, 44628 Herne, Germany | | | | | | | | | | | |
| Référence du modèle donnée par le fournisseur: | | | 1 | WWPR Inverter RS | WWPR pour PAC Inverter avec capteur d'ambiance | | | | | | | | | |
| | | | 2 | WWPR Inverter | WWPR pour PAC Inverter sans capteur d'ambiance | | | | | | | | | |
| | | | 3 | WWPR ON/OFF RS | WWPR pour PAC eau glycolée/eau ou eau/eau avec capteur d'ambiance | | | | | | | | | |
| | | | 4 | WWPR ON/OFF | WWPR pour PAC eau glycolée/eau ou eau/eau sans capteur d'ambiance | | | | | | | | | |
| | | | 5 | WWPR2/EasyCon Inverter RS | WWPR2 pour PAC Inverter avec capteur d'ambiance | | | | | | | | | |
| | | | 6 | WWPR2/EasyCon Inverter | WWPR2 pour PAC Inverter sans capteur d'ambiance | | | | | | | | | |
| | | | 7 | WWPR2/EasyCon ON/OFF RS | WWPR2 pour PAC eau glycolée/eau ou eau/eau avec capteur d'ambiance | | | | | | | | | |
| | | | 8 | WWPR2/EasyCon ON/OFF | WWPR2 pour PAC eau glycolée/eau ou eau/eau sans capteur d'ambiance | | | | | | | | | |
| | | | 9 | WPRs Inverter RS | WPRs pour PAC Inverter avec capteur d'ambiance | | | | | | | | | |
| | | | 10 | WPRs Inverter | WPRs pour PAC Inverter sans capteur d'ambiance | | | | | | | | | |
| | | | 11 | Basic Pro 2.0 Inverter RS | Basic Pro 2.0 pour PAC Inverter avec capteur d'ambiance | | | | | | | | | |
| | | | 12 | Basic Pro 2.0 Inverter | Basic Pro 2.0 pour PAC Inverter sans capteur d'ambiance | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Caractéristique | Symbole | Unité | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Classe du régulateur de température | - | - | VI | II | VII | III | VI | II | VII | III | VI | II | VI | II |
| Contribution du régulateur de température à l'efficacité énergétique saisonnière pour le chauffage des locaux, en % | - | % | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 3,5 | 1,5 | 4,0 | 2,0 | 4,0 | 2,0 |