

| PRODUCT CARD | | | | | | | |
|--|-------------|---------|--|---|------------------|-------|-------------------|
| Product information in accordance with (in accordance with EU Regulation No. 813/2013) | | | | | | | |
| Model: ZHHS-01-10K-R290-V5-M | | | | | | | |
| Air-to-water heat pump: YES | | | | | | | |
| Brine-to-water heat pump: NO | | | | | | | |
| Low-temperature heat pump: NO | | | | | | | |
| Equipped with a supplementary heater: NO | | | | | | | |
| Heat pump combination heater: NO | | | | | | | |
| 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 | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output | P_{rated} | 7 | kW | Seasonal space heating energy efficiency | η_s | 198 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j | | | |
| $T_j = -7\text{ °C}$ | P_{dh} | 6,1 | kW | $T_j = -7\text{ °C}$ | COPd or PERd | 2,96 | - |
| $T_j = +2\text{ °C}$ | P_{dh} | 3,7 | kW | $T_j = +2\text{ °C}$ | COPd or PERd | 5,13 | - |
| $T_j = +7\text{ °C}$ | P_{dh} | 2,8 | kW | $T_j = +7\text{ °C}$ | COPd or PERd | 6,83 | - |
| $T_j = +12\text{ °C}$ | P_{dh} | 3,2 | kW | $T_j = +12\text{ °C}$ | COPd or PERd | 8,30 | - |
| $T_j = \text{bivalent temperature}$ | P_{dh} | 6,6 | kW | $T_j = \text{bivalent temperature}$ | COPd or PERd | 2,51 | - |
| $T_j = \text{operation limit temperature}$ | P_{dh} | 6,6 | kW | $T_j = \text{operation limit temperature}$ | COPd or PERd | 2,51 | - |
| For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | P_{dh} | - | kW | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | COPd or PERd | - | - |
| Bivalent temperature | T_{biv} | -10 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | P_{cyc} | - | kW | Cycling interval efficiency | COPcyc or PERcyc | - | - |
| Degradation co-efficient (**) | C_{dh} | 0,97 | - | Heating water operating limit temperature | WTOL | 65 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P_{OFF} | 0,013 | kW | Rated heat output | P_{sup} | 0,005 | kW |
| Thermostat-off mode | P_{TO} | 0,013 | kW | Type of energy input | Electric | | |
| Standby mode | P_{SB} | 0,013 | kW | | | | |
| Crankcase heater mode | P_{CK} | 0,000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | Rated air flow rate, outdoors | | 3500 | m ³ /h |
| Sound power level outdoors | L_{WA} | 59 | Rated brine or water flow rate, outdoor heat exchanger | Znamionowe natężenie przepływu solanki lub wody, zewnętrzny wymiennik ciepła | | - | m ³ /h |
| Annual electricity consumption | Q_{HE} | 2708/10 | kWh/GJ | | | | |

| Product information (in accordance with EU Regulation No. 811/2013) | | | |
|--|--|--|---------------|
| Supplier Name: | | JBG-2 Sp. z o.o. | |
| Contact details: | | ul. Gajowa 5, 43-254 Warszowice, Poland | |
| Supplier's model identifier: | | ZHHS-01-10K-R290-V5-M | |
| Average climate | Seasonal space heating energy efficiency class | W35 | A+++ |
| | | W55 | A+++ |
| | Seasonal space heating energy efficiency | W35 | 198% |
| | | W55 | 154% |
| | Rated heat output | W35 | 7 kW |
| | | W55 | 7 kW |
| | Annual electricity consumption | W35 | 2708 kWh/year |
| | | W55 | 3475 kWh/year |
| SCOP | W35 | 5,04 | |
| | W55 | 3,92 | |
| Cold climate | Rated heat output | W35 | 9 kW |
| Warm climate | | W55 | 9 kW |
| | | | W35 |
| W55 | | | 7 kW |
| Outdoors | Sound power level L_{wa} | 59dB | |
| Special precautions for assembly, installation and maintenance are included in the separate file named: „Precautions Heat Pump JBG2.pdf” | | | |

W35- low temperature heating; W- water temperature at the outlet from the heat pump

W55- medium temperature heating; W- water temperature at the outlet from the heat pump