



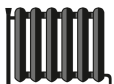
# ENERG

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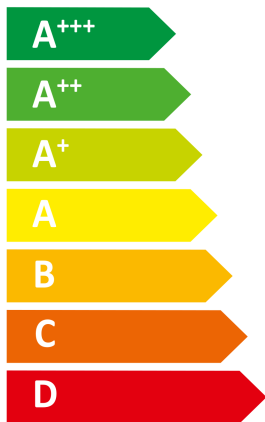
-weishaupt-

WSB 8-A-RME-AI



55 °C

35 °C



0 dB



58 dB



2019

811/2013

## Produkt Daten

Anbieter: **Max Weishaupt GmbH**  
**Max-Weishaupt-Straße**  
**D-88475 Schwendi**

Produkt: **Wärmeerzeuger** **WSB 8-A-RME-AI**

Die EU-Konformitätserklärung und die Anleitung (manual) liegen dem Produkt bei.

Nachstehende Produktdaten wurden auf Basis folgender Prüfgrundlagen ermittelt:

811/2013/EU, 813/2013/EU, EN 12102:2017, EN 14511:2018, EN 14825:2018

|  | Temperaturanwendung |      |       |
|--|---------------------|------|-------|
|  | 35°C                | 55°C |       |
| Wärmeerzeuger  | WSB 8-A-RME-AI      |      |       |
| Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz (A+++ - D)                           | A+++                | A++  |       |
| Wärmenennleistung bei durchschnittlichen Klimaverhältnissen  | 7                   | 7    | kW    |
| Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen           | 186                 | 125  | %     |
| Jährlicher Energieverbrauch als Endenergie für Raumheizung bei durchschnittlichen Klimaverhältnissen | 3054                | 4184 | kWh   |
| Schalleistungspegel im Gebäude, LWA  | 0                   |      | dB(A) |
| Besondere Vorkehrungen bei der Installation  | siehe manual        |      |       |
| Wärmenennleistung bei kälteren Klimaverhältnissen  | 7                   | 7    | kW    |
| Wärmenennleistung bei wärmeren Klimaverhältnissen  | 7                   | 7    | kW    |
| Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen                     | 136                 | 107  | %     |
| Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen                     | 239                 | 148  | %     |
| Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen           | 4983                | 6237 | kWh   |
| Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen           | 1544                | 2475 | kWh   |
| Schalleistungspegel im Freien, LWA   | 58                  |      | dB(A) |

# Technical parameters

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|                                       |                        |
|---------------------------------------|------------------------|
| Manufacturer:                         | Max Weishaupt GmbH     |
| Model:                                | WSB 8-A-RME-AI         |
|                                       | Air-to-water heat pump |
| Low-temperature heat pump:            | Nein                   |
| Equipped with a supplementary heater: | Ja                     |
| Heat pump combination heater:         | Nein                   |
| Application:                          | low                    |
| Climate:                              | average                |

| Item  | Symbol           | Value | Unit |
|---|------------------|-------|------|
| <b>Rated heat output (*)</b>  | Prated           | 7     | kW   |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T <sub>j</sub> |                  |       |      |
| T <sub>j</sub> = -7°C   | P <sub>dh</sub>  | 5,8   | kW   |
| T <sub>j</sub> = +2°C   | P <sub>dh</sub>  | 4,0   | kW   |
| T <sub>j</sub> = +7°C   | P <sub>dh</sub>  | 2,8   | kW   |
| T <sub>j</sub> = +12°C  | P <sub>dh</sub>  | 3,4   | kW   |
| T <sub>j</sub> = bivalent temperature   | P <sub>dh</sub>  | 5,8   | kW   |
| T <sub>j</sub> = operation limit temperature  | P <sub>dh</sub>  | 5,5   | kW   |
| For air-to-water heat pumps: T <sub>j</sub> = -15°C (if TOL < -20°C)  | P <sub>dh</sub>  |       | kW   |
| Bivalent temperature  | T <sub>biv</sub> | -7    | °C   |

| Item  | Symbol           | Value | Unit |
|---|------------------|-------|------|
| <b>Seasonal space heating energy efficiency</b>   | η <sub>s</sub>   | 186   | %    |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T <sub>j</sub> |                  |       |      |
| T <sub>j</sub> = -7°C   | COP <sub>d</sub> | 2,90  |      |
| T <sub>j</sub> = +2°C   | COP <sub>d</sub> | 4,63  |      |
| T <sub>j</sub> = +7°C   | COP <sub>d</sub> | 6,17  |      |
| T <sub>j</sub> = +12°C  | COP <sub>d</sub> | 8,54  |      |
| T <sub>j</sub> = bivalent temperature   | COP <sub>d</sub> | 2,90  |      |
| T <sub>j</sub> = operation limit temperature  | COP <sub>d</sub> | 2,68  |      |
| For air-to-water heat pumps: T <sub>j</sub> = -15°C (if TOL < -20°C)  | COP <sub>d</sub> |       |      |
| For air-to-water heat pumps: Operation limit temperature  | TOL              | -10   | °C   |
| Heating water operating limit temperature   | WTOL             | 60    | °C   |

| Item   | Symbol          | Value |
|--|-----------------|-------|
| <b>Degradation co-efficient (**)</b>                                 | C <sub>dh</sub> |       |
| T <sub>j</sub> = -7°C  | C <sub>dh</sub> | 1,00  |
| T <sub>j</sub> = +2°C  | C <sub>dh</sub> | 1,00  |
| T <sub>j</sub> = +7°C  | C <sub>dh</sub> | 0,99  |
| T <sub>j</sub> = +12°C   | C <sub>dh</sub> | 0,99  |
| For air-to-water heat pumps: T <sub>j</sub> = -15°C (if TOL < -20°C) | C <sub>dh</sub> |       |

### Power consumption in modes other than active mode

|                       |                  |       |    |
|-----------------------|------------------|-------|----|
| Off mode              | P <sub>OFF</sub> | 0,012 | kW |
| Thermostat-off mode   | P <sub>TO</sub>  | 0,004 | kW |
| Standby mode          | P <sub>SB</sub>  | 0,014 | kW |
| Crankcase heater mode | P <sub>CK</sub>  | 0,000 | kW |

### Other items

|                                     |                 |          |     |
|-------------------------------------|-----------------|----------|-----|
| Capacity control                    |                 | variable |     |
| Sound power level, indoors/outdoors | L <sub>WA</sub> | 0 / 58   | dB  |
| Annual energy consumption           | Q <sub>HE</sub> | 3.054    | kWh |

### For heat combination heater:

|                               |                   |  |     |
|-------------------------------|-------------------|--|-----|
| <b>Declared load profile</b>  |                   |  |     |
| Daily electricity consumption | Q <sub>elec</sub> |  | kWh |

### Supplementary heater

|                       |                  |  |    |
|-----------------------|------------------|--|----|
| Rated heat output (*) | P <sub>sup</sub> |  | kW |
| Type of energy input  | Electricity      |  |    |

|  |    |       |                   |
|--|----|-------|-------------------|
| For air-to-water heat pumps: Rated air flow rate, outdoors                                   | -- | 2.200 | m <sup>3</sup> /h |
| For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | -- |       | m <sup>3</sup> /h |

|  |                 |  |     |
|--|-----------------|--|-----|
| <b>Water heating energy efficiency</b> | η <sub>wh</sub> |  | %   |
| Annual electricity consumption         | AEC             |  | kWh |

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If C<sub>dh</sub> is not determined by measurement then the default degradation coefficient is C<sub>dh</sub> = 0,9.

# Technical parameters

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|                                       |                        |
|---------------------------------------|------------------------|
| Manufacturer:                         | Max Weishaupt GmbH     |
| Model:                                | WSB 8-A-RME-AI         |
|                                       | Air-to-water heat pump |
| Low-temperature heat pump:            | Nein                   |
| Equipped with a supplementary heater: | Ja                     |
| Heat pump combination heater:         | Nein                   |
| Application:                          | medium                 |
| Climate:                              | average                |

| Item  | Symbol | Value | Unit |
|---|--------|-------|------|
| <b>Rated heat output (*)</b>  | Prated | 7     | kW   |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj |        |       |      |
| Tj = -7°C   | Pdh    | 5,3   | kW   |
| Tj = +2°C   | Pdh    | 4,5   | kW   |
| Tj = +7°C   | Pdh    | 2,8   | kW   |
| Tj = +12°C  | Pdh    | 2,8   | kW   |
| Tj = bivalent temperature   | Pdh    | 5,3   | kW   |
| Tj = operation limit temperature  | Pdh    | 3,2   | kW   |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)  | Pdh    |       | kW   |
| Bivalent temperature  | Tbiv   | -7    | °C   |

| Item  | Symbol | Value | Unit |
|---|--------|-------|------|
| <b>Seasonal space heating energy efficiency</b>   | ηs     | 125   | %    |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj |        |       |      |
| Tj = -7°C   | COPd   | 1,95  |      |
| Tj = +2°C   | COPd   | 3,31  |      |
| Tj = +7°C   | COPd   | 4,00  |      |
| Tj = +12°C  | COPd   | 5,30  |      |
| Tj = bivalent temperature   | COPd   | 1,95  |      |
| Tj = operation limit temperature  | COPd   | 1,20  |      |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)  | COPd   |       |      |
| For air-to-water heat pumps: Operation limit temperature  | TOL    | -10   | °C   |
| Heating water operating limit temperature   | WTOL   | 60    | °C   |

| Item   | Symbol | Value |
|--|--------|-------|
| <b>Degradation co-efficient (**)</b>                     | Cdh    |       |
| Tj = -7°C  | Cdh    | 1,00  |
| Tj = +2°C  | Cdh    | 0,99  |
| Tj = +7°C  | Cdh    | 0,99  |
| Tj = +12°C   | Cdh    | 0,98  |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | Cdh    |       |

### Power consumption in modes other than active mode

|                       |                  |       |    |
|-----------------------|------------------|-------|----|
| Off mode              | P <sub>OFF</sub> | 0,012 | kW |
| Thermostat-off mode   | P <sub>TO</sub>  | 0,004 | kW |
| Standby mode          | P <sub>SB</sub>  | 0,008 | kW |
| Crankcase heater mode | P <sub>CK</sub>  | 0,000 | kW |

### Other items

|                                     |                 |          |     |
|-------------------------------------|-----------------|----------|-----|
| Capacity control                    |                 | variable |     |
| Sound power level, indoors/outdoors | L <sub>WA</sub> | 0 / 58   | dB  |
| Annual energy consumption           | Q <sub>HE</sub> | 4.184    | kWh |

### For heat combination heater:

|                               |                   |  |     |
|-------------------------------|-------------------|--|-----|
| <b>Declared load profile</b>  |                   |  |     |
| Daily electricity consumption | Q <sub>elec</sub> |  | kWh |

### Supplementary heater

|                       |                  |  |    |
|-----------------------|------------------|--|----|
| Rated heat output (*) | P <sub>sup</sub> |  | kW |
| Type of energy input  | Electricity      |  |    |

|  |    |       |                   |
|--|----|-------|-------------------|
| For air-to-water heat pumps: Rated air flow rate, outdoors                                   | -- | 2.200 | m <sup>3</sup> /h |
| For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | -- |       | m <sup>3</sup> /h |

|  |                 |  |     |
|--|-----------------|--|-----|
| <b>Water heating energy efficiency</b> | η <sub>wh</sub> |  | %   |
| Annual electricity consumption         | AEC             |  | kWh |

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(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.