



SWD WP6 R290

SWD WP8 R290

SWD WP10 R290

SWD WP15 R290

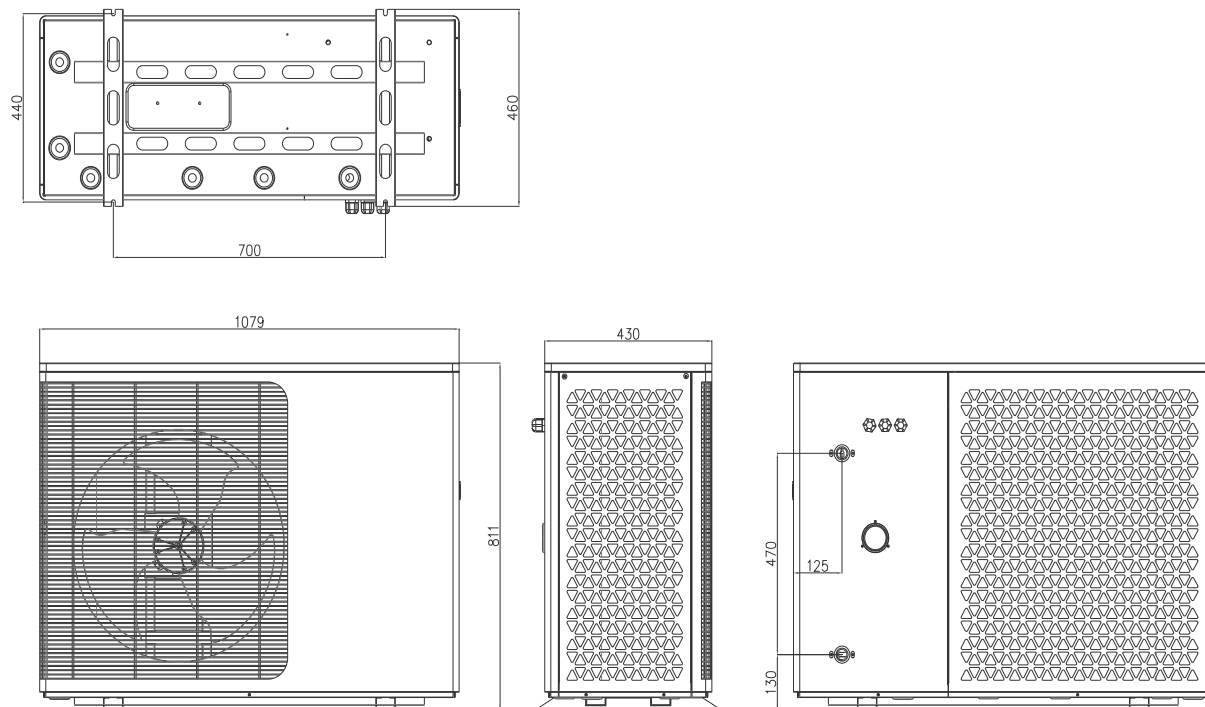
**SWd**  
**R290 Wärmepumpen**  
SWd Inverter inside

# Technische Daten

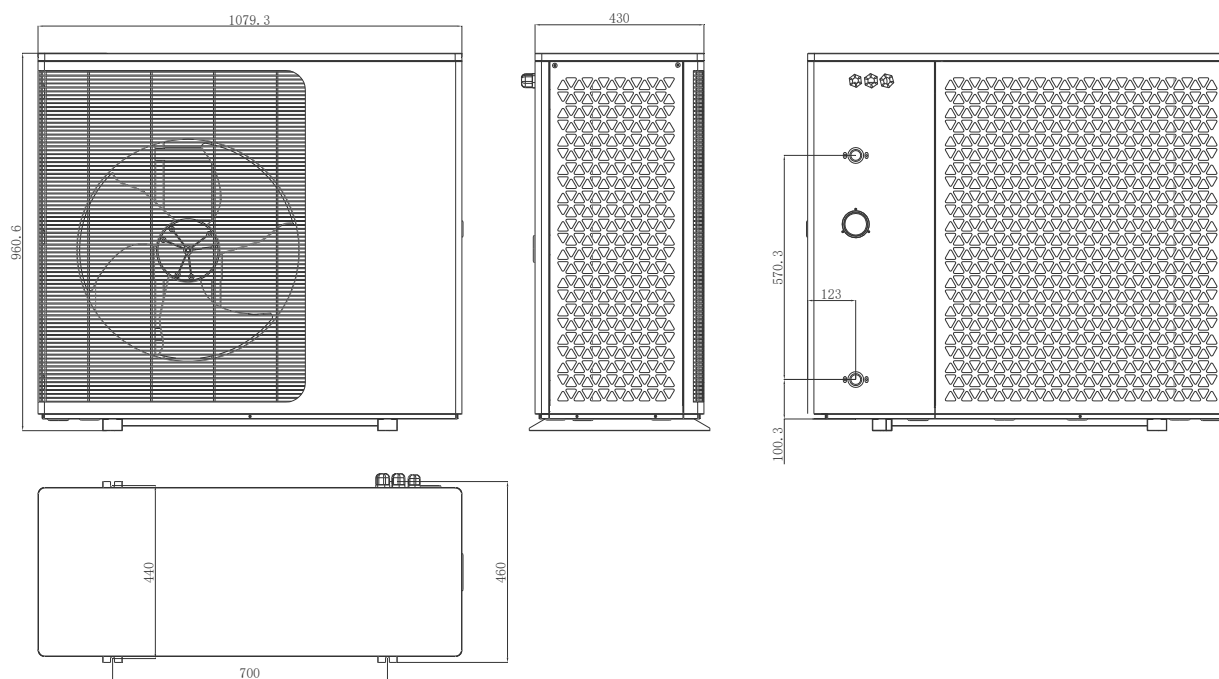
Bitte lesen Sie die Bedienungsanleitung sorgfältig durch, bevor Sie dieses Produkt bedienen und bewahren Sie diese für die spätere Verwendung auf.

## Produktabmessungen und Außenabmessungen

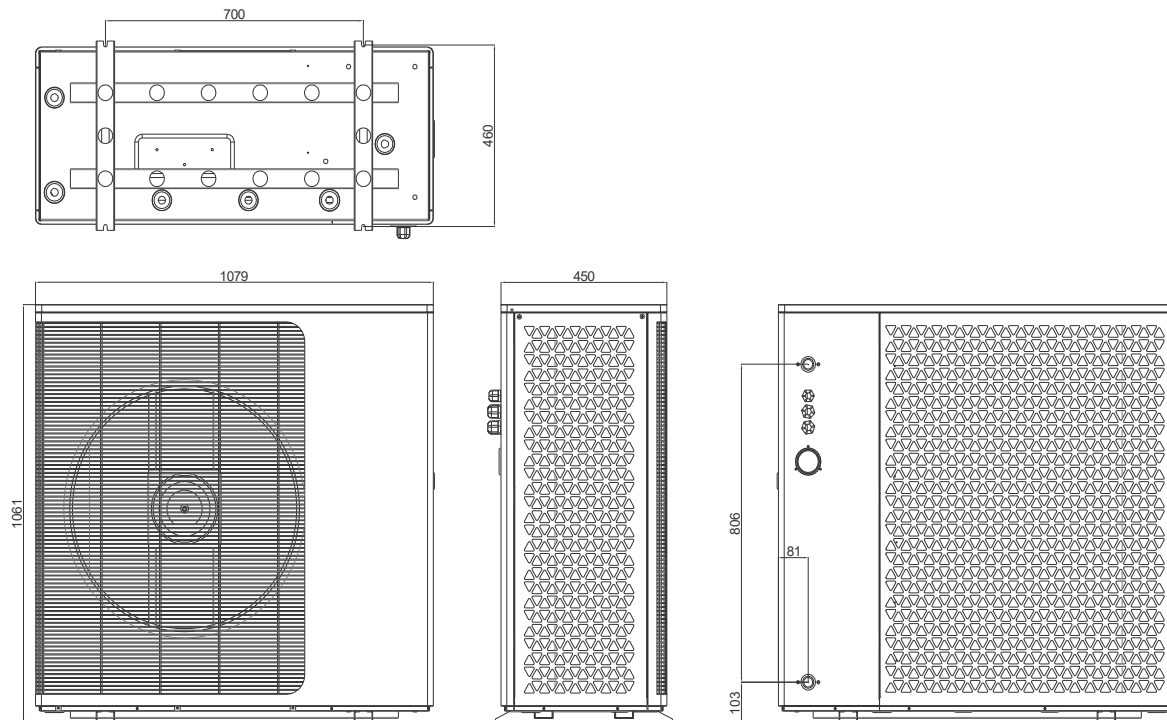
### SWD WP6 R290:



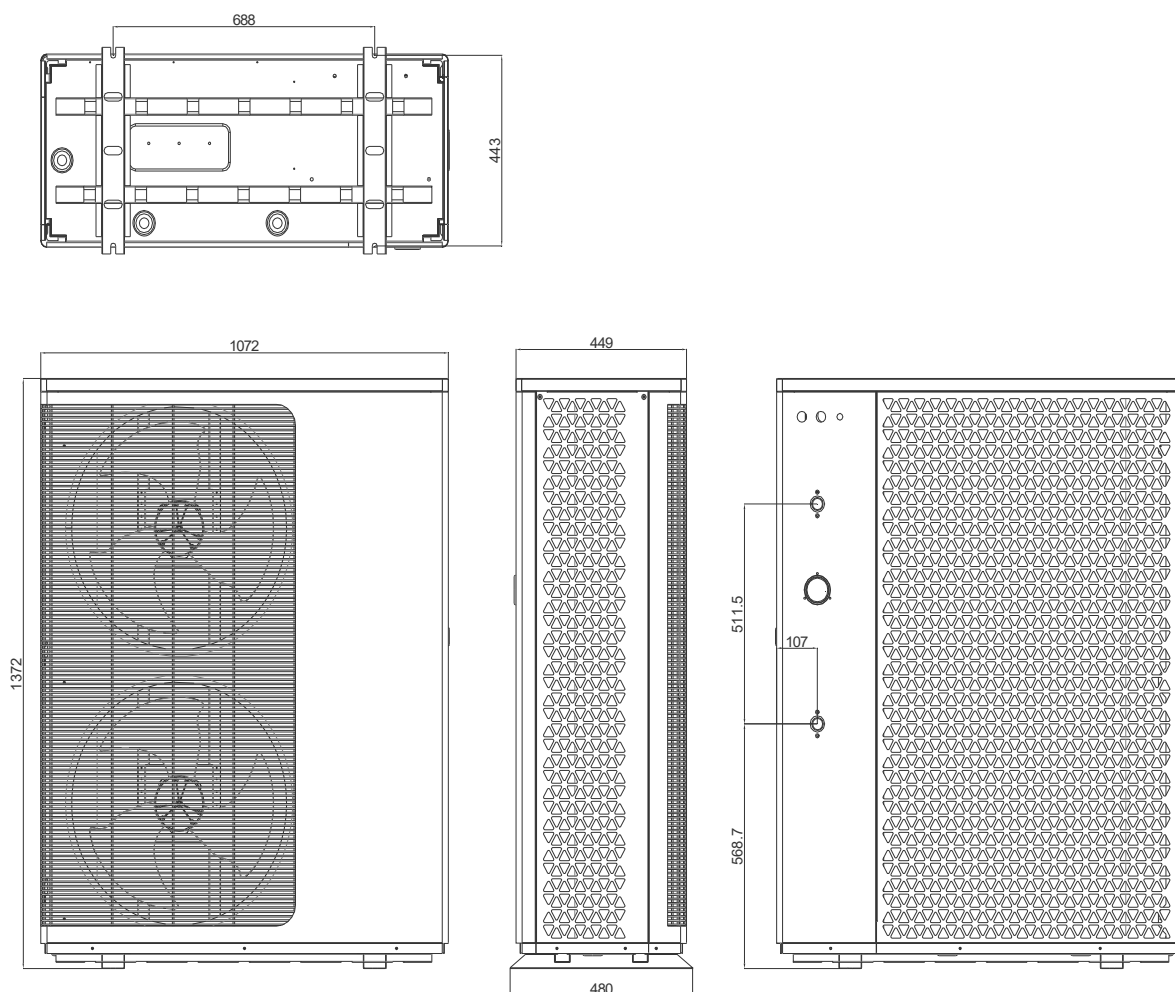
### SWD WP8 R290:



## SWD WP10 R290 und SWD WP10 R290 230 VOLT:



## SWD WP15 R290:



| Technische Daten                                                                        |                                 |                     |              |               |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|--------------|---------------|
| Das Modell                                                                              |                                 | SWD WP6 R290        | SWD WP8 R290 | SWD WP10 R290 |
| Heizbedingungen-Umgebungstemperatur (DB/WB): 7/6°C, Wassertemperatur (In/Out): 30/35°C  |                                 |                     |              |               |
| Heizleistungsbereich (kW)                                                               |                                 | 3.3~8.3             | 4.5~11.4     | 5.9~14.8      |
| Heizleistungseingangsbereich (kW)                                                       |                                 | 0.64~2.18           | 0.85~2.95    | 1.13~3.83     |
| Anwendungsbereich der COP                                                               |                                 | 3.81~5.17           | 3.86~5.29    | 3.86~5.22     |
| DHW-Bedingungen-Umgebungstemperatur (DB/WB): 7/6°C, Wassertemperatur (In/Out): 15/55°C  |                                 |                     |              |               |
| Heizleistungsbereich (kW)                                                               |                                 | 3.7~7.4             | 5.2~10.2     | 6.6~13.2      |
| Heizleistungseingangsbereich (kW)                                                       |                                 | 0.79~2.10           | 1.10~2.87    | 1.41~3.73     |
| Anwendungsbereich der COP                                                               |                                 | 3.52~4.69           | 3.55~4.71    | 3.54~4.67     |
| Warmwasserleistung (L/H)                                                                |                                 | 159                 | 219          | 283           |
| Kühlbedingungen-Umgebungstemperatur (DB/WB): 35/24°C, Wassertemperatur (In/Out): 12/7°C |                                 |                     |              |               |
| Kühlleistungsbereich (kW)                                                               |                                 | 2.4~5.8             | 3.3~8.2      | 4.3~10.8      |
| Kühlleistungseingangsbereich (kW)                                                       |                                 | 0.79~2.19           | 1.08~3.07    | 1.39~3.99     |
| Geltungsbereich des EER                                                                 |                                 | 2.65~3.04           | 2.67~3.06    | 2.71~3.10     |
| Raumheizung<br>(gemäß<br>EN14825:2022)<br>Durchschnittlicher<br>Klimaabfluss 35 ° C     | ErP-Spiegel                     | A++                 | A++          | A++           |
|                                                                                         | 1 m Schalldruckpegel<br>(dB(A)) | 44                  | 43           | 45            |
|                                                                                         | Schalleistungspegel             | 58                  | 57           | 59            |
| Raumheizung<br>(gemäß<br>EN14825:2022)<br>Durchschnittlicher<br>Klimaabfluss 55 ° C     | ErP-Spiegel                     | A++                 | A++          | A++           |
|                                                                                         | 1 m Schalldruckpegel<br>(dB(A)) | 44                  | 47           | 46            |
|                                                                                         | Schalleistungspegel             | 58                  | 61           | 60            |
| Kältemittel                                                                             |                                 | R290                |              |               |
| Beständigkeit gegen Feuchtigkeit                                                        |                                 | IPX4                |              |               |
| Stoßfest                                                                                |                                 | I                   |              |               |
| Power Supply                                                                            |                                 | 230V/1Ph/50Hz/60Hz  |              |               |
| Maximale Leistungsaufnahme (kW)                                                         |                                 | 3.1                 | 4.1          | 5.2           |
| Maximalwert aktuell (A)                                                                 |                                 | 14.2                | 18.8         | 23.8          |
| Sicherungen oder Leistungsschalter (A)                                                  |                                 | 20                  | 25           | 32            |
| Rohrdurchmesser (mm)                                                                    |                                 | DN 25               | DN 25        | DN 25         |
| Wasserdurchfluss (m3/h)                                                                 |                                 | 1.43                | 1.96         | 2.55          |
| Wasserdruckabfall (max.) kPa                                                            |                                 | 30                  | 35           | 40            |
| Maximale Förderhöhe (m)                                                                 |                                 | 9                   | 9            | 9             |
| Nettogewicht (kg)                                                                       |                                 | 112                 | 120          | 138           |
| Netto-Abmessungen (L/B/H) mm                                                            |                                 | 1080×460×820        | 1080×460×960 | 1080×480×1060 |
| Betriebsumgebungstemperatur.                                                            |                                 | -25~43°C            |              |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 20 ~ 65°C (DHW)     |              |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 20 ~ 70°C (erhitzt) |              |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 7 ~ 35°C (Kühlung)  |              |               |

| Technische Daten                                                                        |                                 |                        |               |
|-----------------------------------------------------------------------------------------|---------------------------------|------------------------|---------------|
| Das Modell                                                                              |                                 | SWD WP10 R290 230 VOLT | SWD WP15 R290 |
| Heizbedingungen-Umgebungstemperatur (DB/WB): 7/6°C, Wassertemperatur (In/Out): 30/35°C  |                                 |                        |               |
| Heizleistungsbereich (kW)                                                               |                                 | 5.9~14.8               | 8.8~22.0      |
| Heizleistungseingangsbereich (kW)                                                       |                                 | 1.13~3.83              | 1.68~5.77     |
| Anwendungsbereich der COP                                                               |                                 | 3.86~5.22              | 3.81~5.24     |
| DHW-Bedingungen-Umgebungstemperatur (DB/WB): 7/6°C, Wassertemperatur (In/Out): 15/55°C  |                                 |                        |               |
| Heizleistungsbereich (kW)                                                               |                                 | 6.6~13.2               | 7.8~17.6      |
| Heizleistungseingangsbereich (kW)                                                       |                                 | 1.41~3.73              | 1.67~5.01     |
| Anwendungsbereich der COP                                                               |                                 | 3.54~4.67              | 3.51~4.66     |
| Warmwasserleistung (L/H)                                                                |                                 | 283                    | 377           |
| Kühlbedingungen-Umgebungstemperatur (DB/WB): 35/24°C, Wassertemperatur (In/Out): 12/7°C |                                 |                        |               |
| Kühlleistungsbereich (kW)                                                               |                                 | 4.3~10.8               | 6.2~15.3      |
| Kühlleistungseingangsbereich (kW)                                                       |                                 | 1.39~3.99              | 1.99~5.60     |
| Geltungsbereich des EER                                                                 |                                 | 2.71~3.10              | 2.73~3.12     |
| Raumheizung<br>(gemäß<br>EN14825:2022)<br>Durchschnittlicher<br>Klimaabfluss 35 ° C     | ErP-Spiegel                     | A++                    | A++           |
|                                                                                         | 1 m Schalldruckpegel<br>(dB(A)) | 44                     | 45            |
|                                                                                         | Schalleistungspegel (dB(A))     | 59                     | 60            |
| Raumheizung<br>(gemäß<br>EN14825:2022)<br>Durchschnittlicher<br>Klimaabfluss 55 ° C     | ErP-Spiegel                     | A++                    | A++           |
|                                                                                         | 1 m Schalldruckpegel<br>(dB(A)) | 45                     | 46            |
|                                                                                         | Schalleistungspegel (dB(A))     | 59                     | 62            |
| Kältemittel                                                                             |                                 | R290                   |               |
| Beständigkeit gegen Feuchtigkeit                                                        |                                 | IPX4                   |               |
| Stoßfest                                                                                |                                 | I                      |               |
| Power Supply                                                                            |                                 | 380V/3Ph/50-60Hz       |               |
| Maximale Leistungsaufnahme (kW)                                                         |                                 | 5.2                    | 7.6           |
| Maximalwert aktuell (A)                                                                 |                                 | 9.8                    | 14.3          |
| Sicherungen oder Leistungsschalter (A)                                                  |                                 | 16                     | 20            |
| Rohrdurchmesser (mm)                                                                    |                                 | DN 25                  | DN 25         |
| Wasserdurchfluss (m3/h)                                                                 |                                 | 2.55                   | 3.78          |
| Wasserdruckabfall (max.) kPa                                                            |                                 | 40                     | 45            |
| Maximale Förderhöhe (m)                                                                 |                                 | 9                      | 12            |
| Nettogewicht (kg)                                                                       |                                 | 138                    | 170           |
| Netto-Abmessungen (L/B/H) mm                                                            |                                 | 1080×480×1060          | 1080×480×1372 |
| Betriebsumgebungstemperatur.                                                            |                                 | -25~43°C               |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 20 ~ 65°C (DHW)        |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 20 ~ 70°C (erhitzt)    |               |
| Betriebswassertemperatur (°C)                                                           |                                 | 7 ~ 35°C (Kühlung)     |               |

#### Anmerkungen:

Die oben genannten Designs und Spezifikationen können ohne vorherige Ankündigung geändert werden.

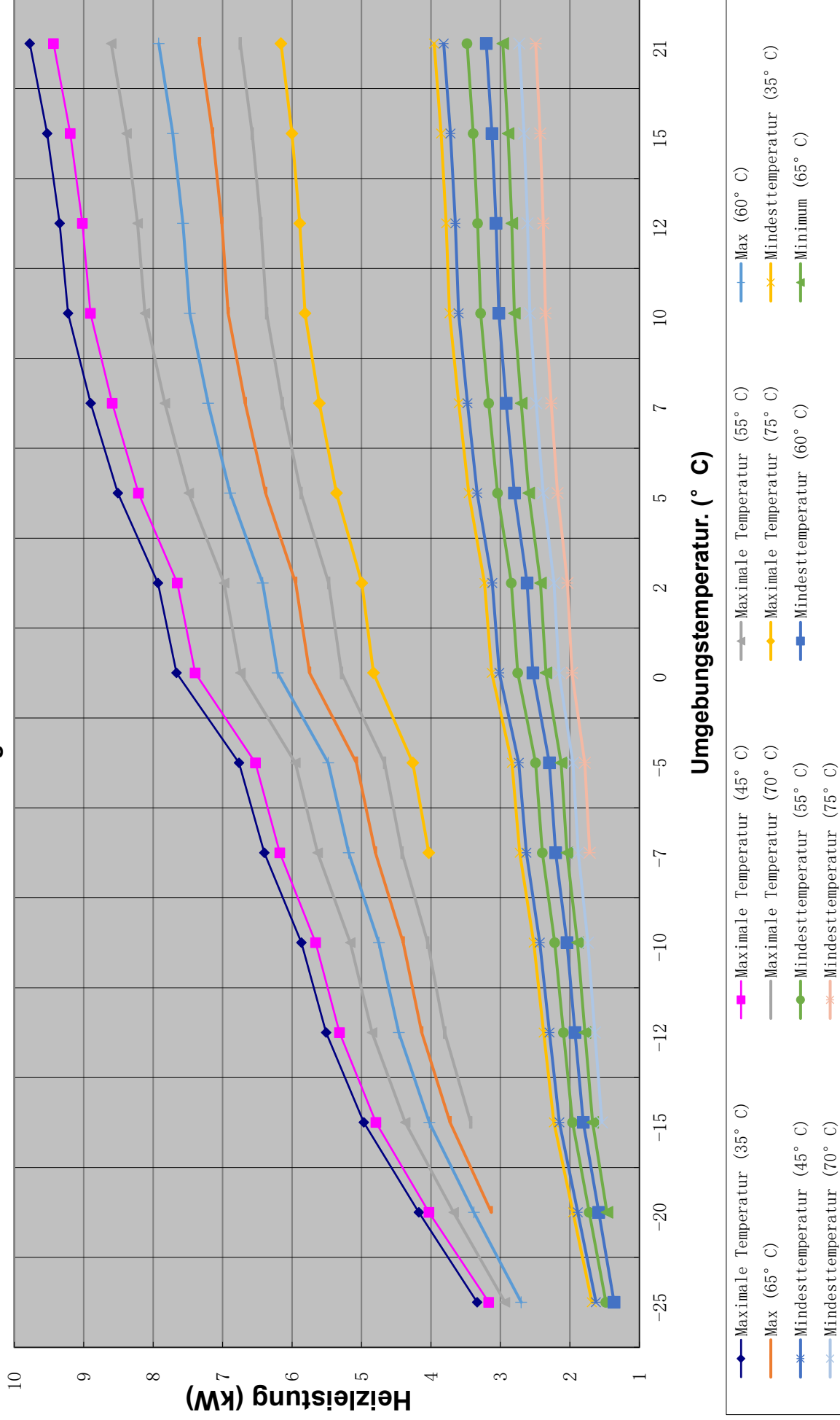
Spezifische Spezifikationen entnehmen Sie bitte dem Typenschild des Geräts

# Leistungstabellen u. -kurven

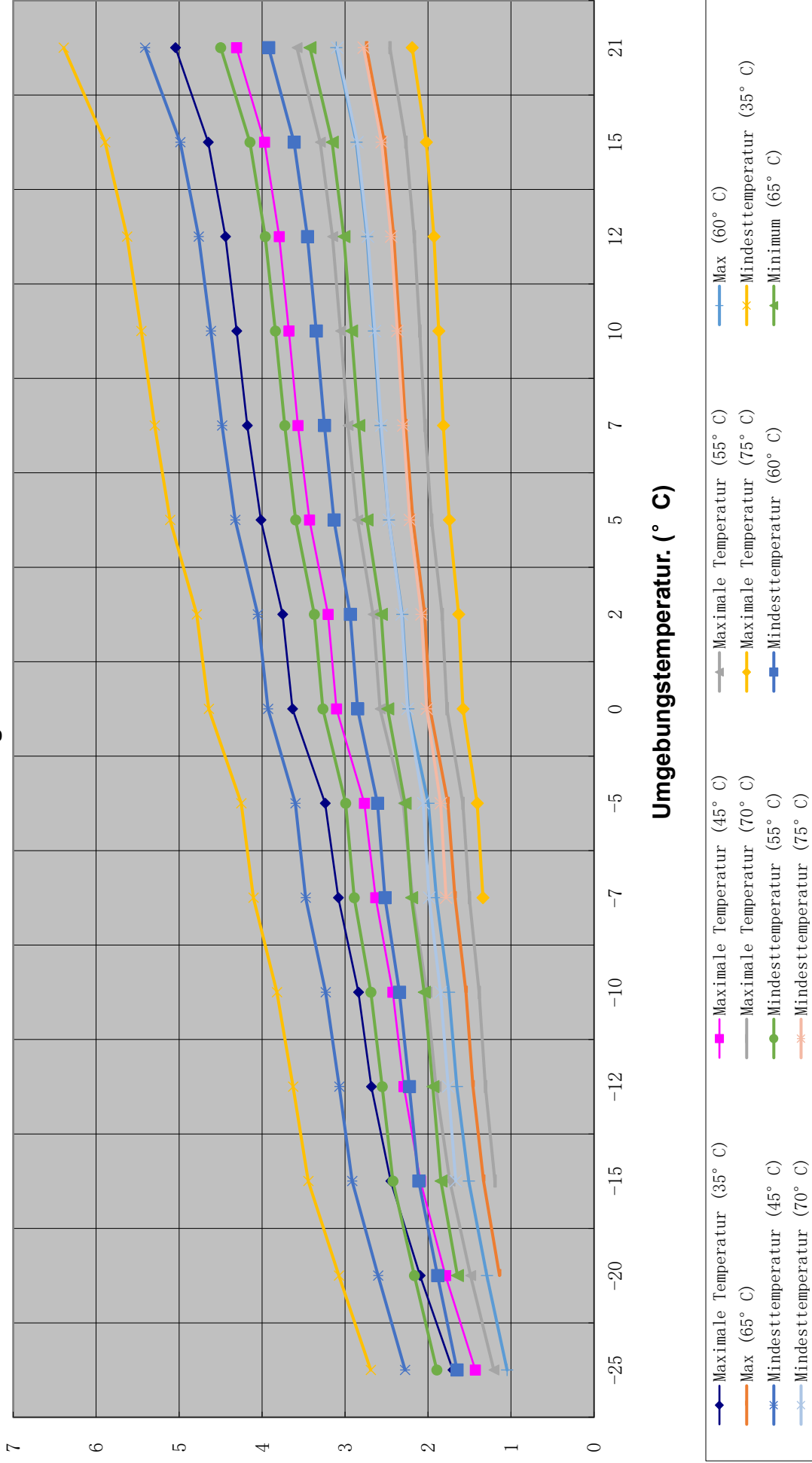
| SWD WP6 R290 für Heizung              |                       |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------|-----------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Umgebungstemperatur (°C)              |                       | -25                   | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |      |
|                                       |                       |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Wassertemperatur.<br><br>Auslass 35°C | Maximale<br><br>Werte | Heizleistung (kW)     | 3.3  | 4.2  | 5.0  | 5.5  | 5.9  | 6.4  | 6.8  | 7.7  | 7.9  | 8.5  | 8.9  | 9.2  | 9.3  | 9.5  | 9.8  |      |
|                                       |                       | Eingangsleistung (kW) | 1.96 | 1.99 | 2.03 | 2.05 | 2.07 | 2.08 | 2.09 | 2.11 | 2.11 | 2.12 | 2.13 | 2.14 | 2.10 | 2.05 | 1.94 |      |
|                                       | Minimum               | Heizleistung (kW)     | 1.70 | 2.10 | 2.45 | 2.68 | 2.84 | 3.08 | 3.24 | 3.63 | 3.75 | 4.01 | 4.18 | 4.31 | 4.44 | 4.65 | 5.04 |      |
|                                       |                       | Eingangsleistung (kW) | 1.7  | 2.0  | 2.2  | 2.4  | 2.5  | 2.7  | 2.8  | 3.1  | 3.2  | 3.5  | 3.6  | 3.7  | 3.8  | 3.9  | 4.0  | 0.62 |
| Wassertemperatur.<br><br>Auslass 45°C | Maximale<br><br>Werte | Heizleistung (kW)     | 2.69 | 3.07 | 3.44 | 3.63 | 3.82 | 4.10 | 4.25 | 4.64 | 4.79 | 5.11 | 5.29 | 5.46 | 5.63 | 5.89 | 6.39 |      |
|                                       |                       | Eingangsleistung (kW) | 3.2  | 4.0  | 4.8  | 5.3  | 5.7  | 6.2  | 6.5  | 7.4  | 7.7  | 8.2  | 8.6  | 8.9  | 9.0  | 9.2  | 9.4  | 9.4  |
|                                       | Minimum               | Heizleistung (kW)     | 2.21 | 2.25 | 2.29 | 2.32 | 2.33 | 2.35 | 2.36 | 2.38 | 2.39 | 2.39 | 2.41 | 2.42 | 2.38 | 2.32 | 2.32 | 2.19 |
|                                       |                       | Eingangsleistung (kW) | 1.43 | 1.79 | 2.09 | 2.29 | 2.42 | 2.63 | 2.77 | 3.10 | 3.20 | 3.43 | 3.57 | 3.68 | 3.79 | 3.97 | 3.97 | 4.31 |
| Wassertemperatur.<br><br>Auslass 55°C | Maximale<br><br>Werte | Heizleistung (kW)     | 1.6  | 1.9  | 2.2  | 2.3  | 2.4  | 2.6  | 2.7  | 3.0  | 3.1  | 3.3  | 3.5  | 3.6  | 3.6  | 3.7  | 3.8  | 3.8  |
|                                       |                       | Eingangsleistung (kW) | 0.71 | 0.72 | 0.74 | 0.75 | 0.75 | 0.76 | 0.76 | 0.77 | 0.77 | 0.77 | 0.78 | 0.78 | 0.77 | 0.75 | 0.75 | 0.71 |
|                                       | Minimum               | Heizleistung (kW)     | 2.28 | 2.60 | 2.91 | 3.07 | 3.23 | 3.47 | 3.60 | 3.93 | 4.05 | 4.32 | 4.48 | 4.62 | 4.76 | 4.99 | 5.41 | 5.41 |
|                                       |                       | Eingangsleistung (kW) | 2.9  | 3.7  | 4.4  | 4.8  | 5.2  | 5.6  | 6.0  | 6.7  | 7.0  | 7.5  | 7.8  | 8.1  | 8.2  | 8.4  | 8.6  | 8.6  |
| Wassertemperatur.<br><br>Auslass 60°C | Maximale<br><br>Werte | Heizleistung (kW)     | 2.43 | 2.47 | 2.51 | 2.55 | 2.56 | 2.58 | 2.59 | 2.61 | 2.62 | 2.63 | 2.64 | 2.66 | 2.61 | 2.54 | 2.40 | 2.40 |
|                                       |                       | Eingangsleistung (kW) | 1.21 | 1.49 | 1.74 | 1.90 | 2.01 | 2.19 | 2.30 | 2.58 | 2.66 | 2.85 | 2.97 | 3.06 | 3.15 | 3.30 | 3.58 | 3.58 |
|                                       | Minimum               | Heizleistung (kW)     | 1.5  | 1.7  | 2.0  | 2.1  | 2.2  | 2.4  | 2.5  | 2.7  | 2.8  | 3.0  | 3.2  | 3.3  | 3.3  | 3.4  | 3.5  | 3.5  |
|                                       |                       | Eingangsleistung (kW) | 0.78 | 0.79 | 0.81 | 0.82 | 0.82 | 0.83 | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.84 | 0.82 | 0.77 | 0.77 |
| Wassertemperatur.<br><br>Auslass 60°C | Maximale<br><br>Werte | Heizleistung (kW)     | 1.89 | 2.16 | 2.42 | 2.55 | 2.69 | 2.89 | 2.99 | 3.27 | 3.37 | 3.60 | 3.73 | 3.84 | 3.96 | 4.15 | 4.50 | 4.50 |
|                                       |                       | Eingangsleistung (kW) | 2.7  | 3.4  | 4.0  | 4.5  | 4.8  | 5.2  | 5.5  | 6.2  | 6.4  | 6.9  | 7.2  | 7.5  | 7.6  | 7.7  | 7.9  | 7.9  |
|                                       | Minimum               | Heizleistung (kW)     | 2.58 | 2.62 | 2.67 | 2.70 | 2.72 | 2.73 | 2.74 | 2.77 | 2.78 | 2.79 | 2.80 | 2.82 | 2.77 | 2.69 | 2.55 | 2.55 |
|                                       |                       | Eingangsleistung (kW) | 1.05 | 1.29 | 1.51 | 1.65 | 1.75 | 1.90 | 2.00 | 2.24 | 2.31 | 2.47 | 2.57 | 2.65 | 2.74 | 2.86 | 3.11 | 3.11 |
|                                       |                       | Heizleistung (kW)     | 1.4  | 1.6  | 1.8  | 1.9  | 2.0  | 2.2  | 2.3  | 2.5  | 2.6  | 2.8  | 2.9  | 3.0  | 3.1  | 3.1  | 3.2  | 3.2  |

|                                   |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                   | Minimum           | Eingangsleistung (kW) | 0.83 | 0.84 | 0.85 | 0.87 | 0.87 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.89 | 0.86 | 0.82 |
|                                   |                   |                       | 1.65 | 1.89 | 2.11 | 2.23 | 2.34 | 2.52 | 2.61 | 2.85 | 2.94 | 3.13 | 3.25 | 3.35 | 3.45 | 3.61 | 3.92 |
| Wassertemperatur.<br>Auslass 65°C | Maximale<br>Werte | Heizleistung (kW)     | /    | 3.1  | 3.7  | 4.1  | 4.4  | 4.8  | 5.1  | 5.7  | 5.9  | 6.4  | 6.7  | 6.9  | 7.0  | 7.1  | 7.3  |
|                                   |                   | Eingangsleistung (kW) | /    | 2.75 | 2.80 | 2.83 | 2.85 | 2.87 | 2.88 | 2.91 | 2.92 | 2.92 | 2.94 | 2.96 | 2.90 | 2.83 | 2.67 |
|                                   | Minimum           |                       | /    | 1.14 | 1.33 | 1.46 | 1.54 | 1.67 | 1.76 | 1.97 | 2.04 | 2.18 | 2.27 | 2.34 | 2.41 | 2.53 | 2.74 |
|                                   | Heizleistung (kW) |                       | /    | 1.5  | 1.7  | 1.8  | 1.9  | 2.0  | 2.1  | 2.3  | 2.4  | 2.6  | 2.7  | 2.8  | 2.8  | 2.9  | 3.0  |
|                                   |                   | Eingangsleistung (kW) | /    | 0.89 | 0.91 | 0.92 | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.94 | 0.92 |
|                                   |                   |                       | /    | 1.65 | 1.84 | 1.94 | 2.05 | 2.20 | 2.28 | 2.49 | 2.56 | 2.74 | 2.84 | 2.92 | 3.01 | 3.16 | 3.42 |
| Wassertemperatur.<br>Auslass 70°C | Heizleistung (kW) |                       | /    | /    | 3.4  | 3.8  | 4.0  | 4.4  | 4.7  | 5.3  | 5.5  | 5.9  | 6.1  | 6.4  | 6.4  | 6.6  | 6.7  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 2.87 | 2.91 | 2.92 | 2.94 | 2.95 | 2.98 | 2.99 | 3.00 | 3.01 | 3.03 | 2.98 | 2.90 | 2.74 |
|                                   |                   |                       | /    | /    | 1.19 | 1.31 | 1.38 | 1.50 | 1.58 | 1.77 | 1.83 | 1.96 | 2.04 | 2.10 | 2.17 | 2.27 | 2.46 |
|                                   | Heizleistung (kW) |                       | /    | /    | 1.5  | 1.6  | 1.7  | 1.9  | 2.0  | 2.2  | 2.2  | 2.4  | 2.5  | 2.6  | 2.6  | 2.7  | 2.7  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 0.92 | 0.93 | 0.94 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 | 0.96 | 0.93 | 0.88 |
|                                   |                   |                       | /    | /    | 1.67 | 1.76 | 1.85 | 1.99 | 2.06 | 2.25 | 2.32 | 2.47 | 2.56 | 2.64 | 2.72 | 2.85 | 3.09 |
| Wassertemperatur.<br>Auslass 75°C | Heizleistung (kW) |                       | /    | /    | /    | /    | /    | 4.0  | 4.3  | 4.8  | 5.0  | 5.4  | 5.6  | 5.8  | 5.9  | 6.0  | 6.2  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | 3.01 | 3.03 | 3.06 | 3.06 | 3.07 | 3.09 | 3.11 | 3.05 | 2.97 | 2.81 |
|                                   |                   |                       | /    | /    | /    | /    | /    | /    | 1.34 | 1.41 | 1.58 | 1.63 | 1.74 | 1.82 | 1.87 | 1.93 | 2.02 |
|                                   | Heizleistung (kW) |                       | /    | /    | /    | /    | /    | 1.7  | 1.8  | 2.0  | 2.0  | 2.2  | 2.3  | 2.4  | 2.4  | 2.4  | 2.5  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | 0.96 | 0.97 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 0.97 | 0.95 | 0.90 |
|                                   |                   |                       | /    | /    | /    | /    | /    | /    | 1.78 | 1.85 | 2.02 | 2.08 | 2.22 | 2.30 | 2.37 | 2.44 | 2.56 |
| Umgebungstemperatur (°C)          |                   |                       | -25  | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |

Heizleistungskurve SWD WP6 R290



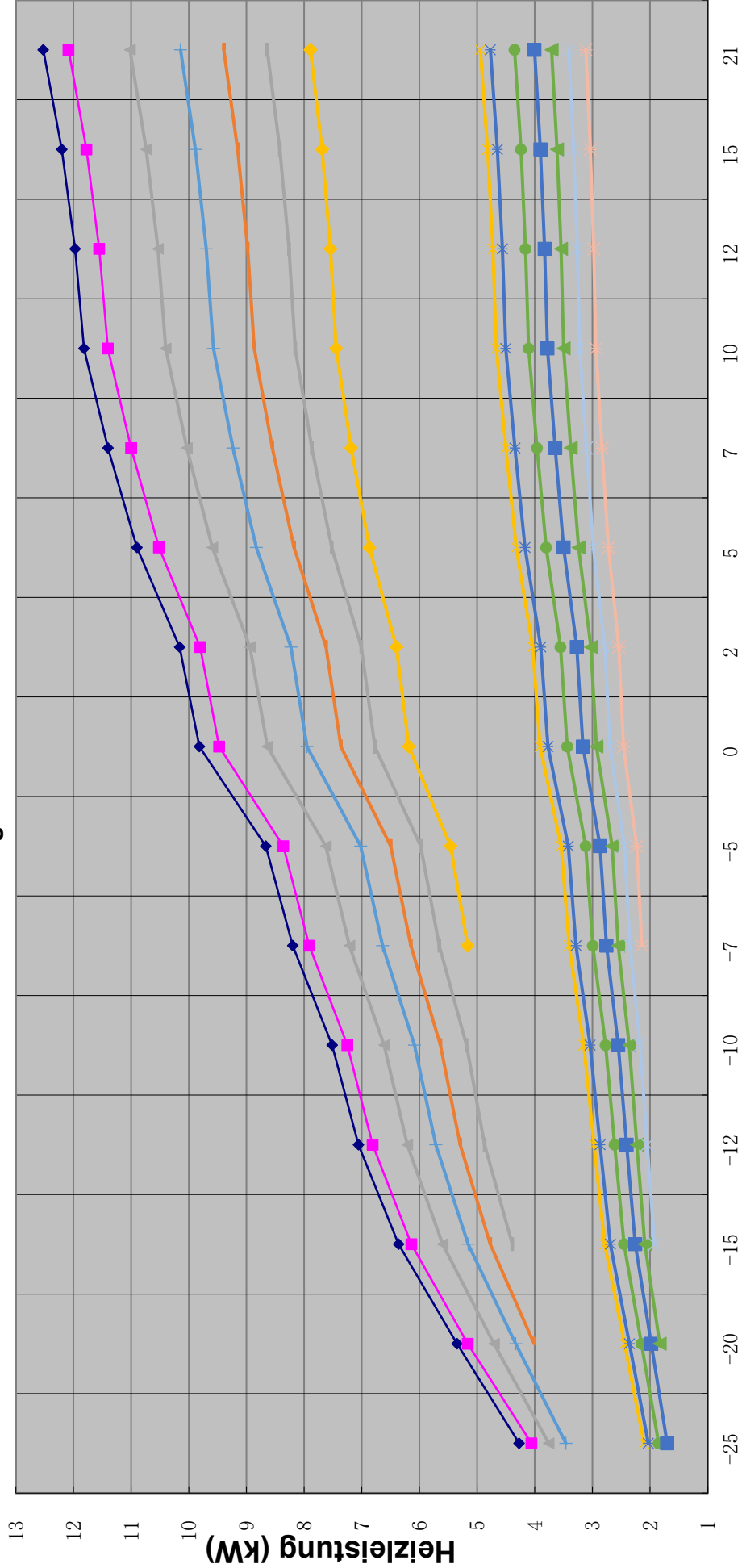
COP-Leistungskurve SWD WP6 R290



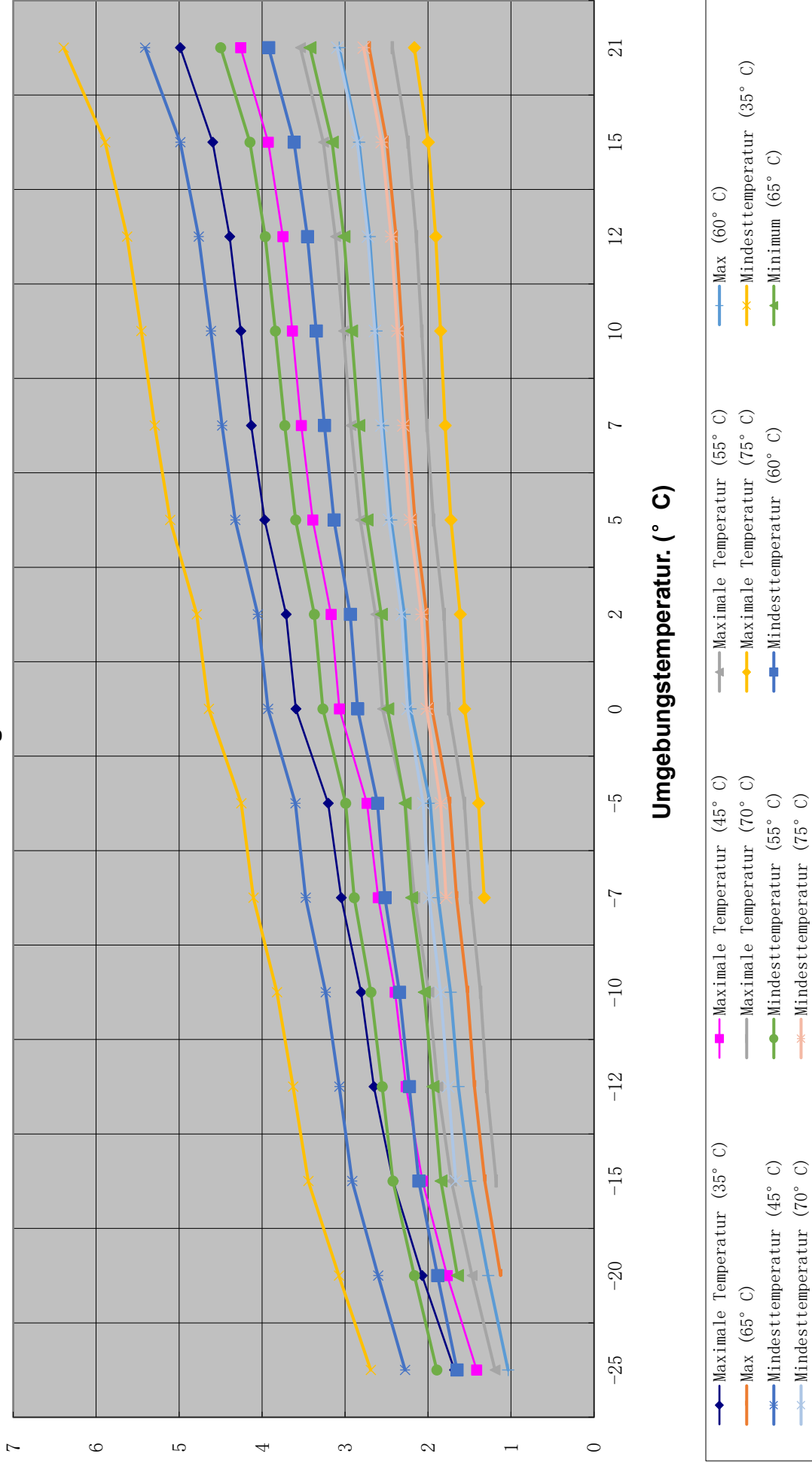
| SWD WP8 R290 für Heizung          |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Umgebungstemperatur (°C)          |                   | -25                   | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |
| Wassertemperatur.<br>Auslass 35°C | Maximale<br>Werte | Heizleistung (kW)     | 4.3  | 5.3  | 6.4  | 7.1  | 7.5  | 8.2  | 8.7  | 9.8  | 10.2 | 10.9 | 11.4 | 11.8 | 12.0 | 12.2 | 12.5 |
|                                   |                   | Eingangsleistung (kW) | 2.54 | 2.58 | 2.63 | 2.66 | 2.68 | 2.69 | 2.70 | 2.73 | 2.74 | 2.75 | 2.76 | 2.78 | 2.73 | 2.66 | 2.51 |
|                                   |                   |                       | 1.68 | 2.07 | 2.42 | 2.65 | 2.81 | 3.05 | 3.20 | 3.59 | 3.71 | 3.97 | 4.13 | 4.26 | 4.39 | 4.60 | 4.99 |
|                                   | Minimum           | Heizleistung (kW)     | 2.1  | 2.4  | 2.8  | 3.0  | 3.2  | 3.4  | 3.5  | 3.9  | 4.0  | 4.3  | 4.5  | 4.7  | 4.7  | 4.8  | 4.9  |
|                                   |                   | Eingangsleistung (kW) | 0.78 | 0.79 | 0.81 | 0.82 | 0.82 | 0.83 | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.84 | 0.82 | 0.77 |
|                                   |                   |                       | 2.69 | 3.07 | 3.44 | 3.63 | 3.82 | 4.10 | 4.25 | 4.64 | 4.79 | 5.11 | 5.29 | 5.46 | 5.63 | 5.89 | 6.39 |
|                                   | Maximale<br>Werte | Heizleistung (kW)     | 4.1  | 5.2  | 6.1  | 6.8  | 7.2  | 7.9  | 8.4  | 9.5  | 9.8  | 10.5 | 11.0 | 11.4 | 11.6 | 11.8 | 12.1 |
|                                   |                   | Eingangsleistung (kW) | 2.87 | 2.92 | 2.97 | 3.01 | 3.03 | 3.04 | 3.06 | 3.09 | 3.09 | 3.10 | 3.12 | 3.14 | 3.08 | 3.00 | 2.84 |
|                                   |                   |                       | 1.41 | 1.77 | 2.07 | 2.26 | 2.40 | 2.60 | 2.74 | 3.07 | 3.17 | 3.39 | 3.53 | 3.63 | 3.75 | 3.92 | 4.26 |
|                                   | Minimum           | Heizleistung (kW)     | 2.0  | 2.4  | 2.7  | 2.9  | 3.0  | 3.3  | 3.4  | 3.8  | 3.9  | 4.2  | 4.3  | 4.5  | 4.6  | 4.6  | 4.8  |
|                                   |                   | Eingangsleistung (kW) | 0.89 | 0.91 | 0.92 | 0.93 | 0.94 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 | 0.96 | 0.93 | 0.88 |
|                                   |                   |                       | 2.28 | 2.60 | 2.91 | 3.07 | 3.23 | 3.47 | 3.60 | 3.93 | 4.05 | 4.32 | 4.48 | 4.62 | 4.76 | 4.99 | 5.41 |
| Wassertemperatur.<br>Auslass 55°C | Maximale<br>Werte | Heizleistung (kW)     | 3.8  | 4.7  | 5.6  | 6.2  | 6.6  | 7.2  | 7.6  | 8.6  | 8.9  | 9.6  | 10.0 | 10.4 | 10.5 | 10.7 | 11.0 |
|                                   |                   | Eingangsleistung (kW) | 3.15 | 3.20 | 3.26 | 3.30 | 3.32 | 3.34 | 3.35 | 3.39 | 3.40 | 3.41 | 3.42 | 3.44 | 3.38 | 3.29 | 3.11 |
|                                   |                   |                       | 1.19 | 1.47 | 1.72 | 1.88 | 1.99 | 2.16 | 2.27 | 2.55 | 2.63 | 2.82 | 2.93 | 3.02 | 3.12 | 3.26 | 3.54 |
|                                   | Minimum           | Heizleistung (kW)     | 1.9  | 2.1  | 2.5  | 2.6  | 2.8  | 3.0  | 3.1  | 3.4  | 3.6  | 3.8  | 4.0  | 4.1  | 4.2  | 4.2  | 4.4  |
|                                   |                   | Eingangsleistung (kW) | 0.98 | 0.99 | 1.01 | 1.02 | 1.03 | 1.04 | 1.04 | 1.05 | 1.05 | 1.06 | 1.06 | 1.07 | 1.05 | 1.02 | 0.97 |
|                                   |                   |                       | 1.89 | 2.16 | 2.42 | 2.55 | 2.69 | 2.89 | 2.99 | 3.27 | 3.37 | 3.60 | 3.73 | 3.84 | 3.96 | 4.15 | 4.50 |
|                                   | Maximale<br>Werte | Heizleistung (kW)     | 3.5  | 4.3  | 5.2  | 5.7  | 6.1  | 6.6  | 7.0  | 8.0  | 8.2  | 8.8  | 9.2  | 9.6  | 9.7  | 9.9  | 10.1 |
|                                   |                   | Eingangsleistung (kW) | 3.34 | 3.39 | 3.46 | 3.50 | 3.52 | 3.54 | 3.56 | 3.59 | 3.60 | 3.61 | 3.63 | 3.65 | 3.59 | 3.49 | 3.30 |
|                                   |                   |                       | 1.04 | 1.28 | 1.49 | 1.63 | 1.73 | 1.88 | 1.97 | 2.21 | 2.29 | 2.44 | 2.54 | 2.62 | 2.70 | 2.83 | 3.07 |
|                                   | Minimum           | Heizleistung (kW)     | 1.7  | 2.0  | 2.3  | 2.4  | 2.6  | 2.8  | 2.9  | 3.2  | 3.3  | 3.5  | 3.6  | 3.8  | 3.8  | 3.9  | 4.0  |
|                                   |                   | Eingangsleistung (kW) | 1.03 | 1.05 | 1.07 | 1.08 | 1.09 | 1.09 | 1.10 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.11 | 1.08 | 1.02 |

|                                   |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                   |                   |                       | 1.65 | 1.89 | 2.11 | 2.23 | 2.34 | 2.52 | 2.61 | 2.85 | 2.94 | 3.13 | 3.25 | 3.35 | 3.45 | 3.61 | 3.92 |      |
| Wassertemperatur.<br>Auslass 65°C | Maximale<br>Werte | Heizleistung (kW)     | /    | 4.0  | 4.8  | 5.3  | 5.6  | 6.1  | 6.5  | 7.4  | 7.6  | 8.2  | 8.6  | 8.9  | 9.0  | 9.2  | 9.4  |      |
|                                   |                   | Eingangsleistung (kW) | /    | 3.56 | 3.63 | 3.67 | 3.69 | 3.71 | 3.73 | 3.77 | 3.78 | 3.79 | 3.81 | 3.83 | 3.76 | 3.66 | 3.47 |      |
|                                   |                   |                       | /    | 1.13 | 1.32 | 1.44 | 1.53 | 1.66 | 1.74 | 1.95 | 2.02 | 2.16 | 2.24 | 2.31 | 2.39 | 2.50 | 2.71 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | 1.8  | 2.1  | 2.2  | 2.4  | 2.6  | 2.7  | 2.9  | 3.0  | 3.2  | 3.4  | 3.5  | 3.5  | 3.6  | 3.7  |      |
|                                   |                   | Eingangsleistung (kW) | /    | 1.11 | 1.13 | 1.15 | 1.15 | 1.16 | 1.17 | 1.18 | 1.18 | 1.18 | 1.19 | 1.20 | 1.18 | 1.14 | 1.08 |      |
|                                   |                   |                       | /    | 1.65 | 1.84 | 1.94 | 2.05 | 2.20 | 2.28 | 2.49 | 2.56 | 2.74 | 2.84 | 2.92 | 3.01 | 3.16 | 3.42 |      |
| Wassertemperatur.<br>Auslass 70°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | 4.4  | 4.9  | 5.2  | 5.7  | 6.0  | 6.8  | 7.0  | 7.5  | 7.9  | 8.2  | 8.3  | 8.4  | 8.6  |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 3.72 | 3.76 | 3.79 | 3.81 | 3.83 | 3.87 | 3.87 | 3.89 | 3.91 | 3.93 | 3.86 | 3.76 | 3.55 |      |
|                                   |                   |                       | /    | /    | 1.18 | 1.29 | 1.37 | 1.49 | 1.56 | 1.75 | 1.81 | 1.94 | 2.01 | 2.08 | 2.14 | 2.24 | 2.43 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | 1.9  | 2.1  | 2.2  | 2.3  | 2.4  | 2.7  | 2.8  | 3.0  | 3.1  | 3.2  | 3.3  | 3.3  | 3.4  |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 1.15 | 1.17 | 1.17 | 1.18 | 1.19 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.20 | 1.17 | 1.10 |      |
|                                   |                   |                       | /    | /    | 1.67 | 1.76 | 1.85 | 1.99 | 2.06 | 2.25 | 2.32 | 2.47 | 2.56 | 2.64 | 2.72 | 2.85 | 3.09 |      |
| Wassertemperatur.<br>Auslass 75°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | /    | /    | /    | 5.2  | 5.5  | 6.2  | 6.4  | 6.9  | 7.2  | 7.4  | 7.5  | 7.7  | 7.9  |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | 3.90 | 3.92 | 3.96 | 3.97 | 3.98 | 4.00 | 4.03 | 3.95 | 3.85 | 3.64 |      |
|                                   |                   |                       | /    | /    | /    | /    | /    | 1.32 | 1.39 | 1.56 | 1.61 | 1.72 | 1.79 | 1.85 | 1.91 | 2.00 | 2.17 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | /    | /    | /    | /    | 2.1  | 2.2  | 2.5  | 2.5  | 2.7  | 2.8  | 2.9  | 3.0  | 3.0  | 3.1  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | /    | 1.20 | 1.21 | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.22 | 1.19 | 1.12 |
|                                   |                   |                       | /    | /    | /    | /    | /    | /    | 1.78 | 1.85 | 2.02 | 2.08 | 2.22 | 2.30 | 2.37 | 2.44 | 2.56 | 2.78 |
| Umgebungstemperatur (°C)          |                   |                       | -25  | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |

The graph displays the heating power (kW) required for different outdoor temperatures. The y-axis represents 'Heizleistung (kW)' from 1 to 13. The x-axis represents temperature from -25 to 21. Multiple lines with different markers (diamonds, squares, triangles, crosses) show the performance of different systems, generally decreasing as temperature increases.

[illegible]

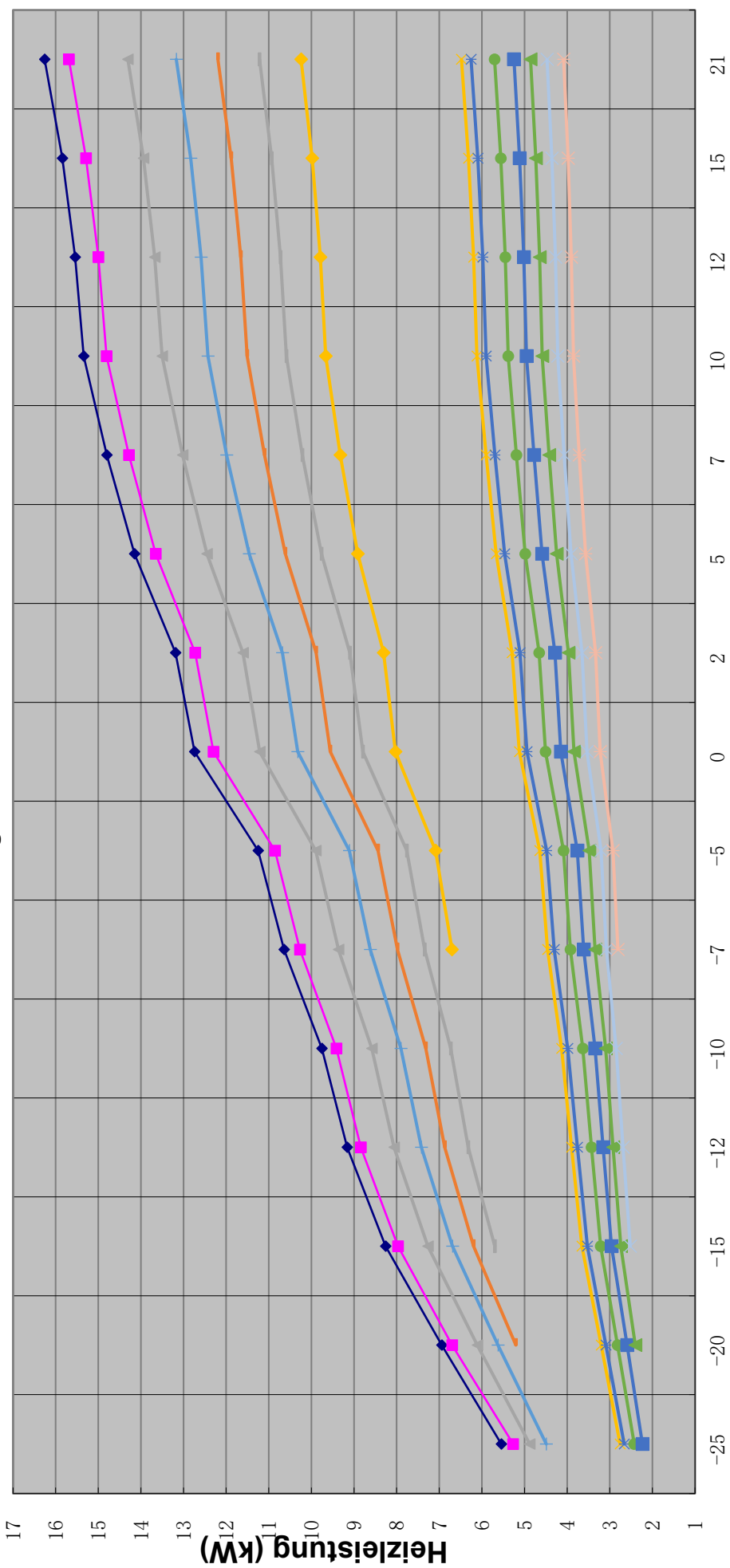
COP-Leistungskurve SWD WP8 R290



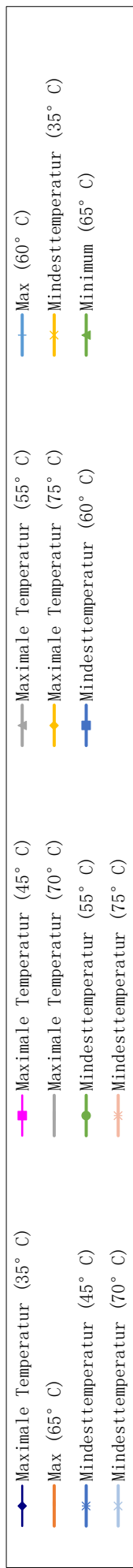


|                                   |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                   |                   |                       | 1.66 | 1.89 | 2.12 | 2.23 | 2.35 | 2.53 | 2.62 | 2.86 | 2.95 | 3.15 | 3.26 | 3.36 | 3.47 | 3.63 | 3.94 |
| Wassertemperatur.<br>Auslass 65°C | Maximale<br>Werte | Heizleistung (kW)     | /    | 5.2  | 6.2  | 6.9  | 7.3  | 8.0  | 8.4  | 9.6  | 9.9  | 10.6 | 11.1 | 11.5 | 11.7 | 11.9 | 12.2 |
|                                   |                   | Eingangsleistung (kW) | /    | 4.55 | 4.64 | 4.70 | 4.73 | 4.75 | 4.77 | 4.82 | 4.83 | 4.85 | 4.87 | 4.90 | 4.81 | 4.69 | 4.43 |
|                                   |                   |                       | /    | 1.14 | 1.34 | 1.46 | 1.55 | 1.68 | 1.77 | 1.98 | 2.05 | 2.19 | 2.28 | 2.35 | 2.42 | 2.54 | 2.75 |
|                                   | Minimum           | Heizleistung (kW)     | /    | 2.4  | 2.7  | 2.9  | 3.1  | 3.3  | 3.5  | 3.8  | 4.0  | 4.2  | 4.4  | 4.6  | 4.6  | 4.7  | 4.9  |
|                                   |                   | Eingangsleistung (kW) | /    | 1.45 | 1.48 | 1.50 | 1.51 | 1.52 | 1.52 | 1.54 | 1.54 | 1.55 | 1.55 | 1.56 | 1.54 | 1.49 | 1.41 |
|                                   |                   |                       | /    | 1.65 | 1.85 | 1.95 | 2.05 | 2.21 | 2.29 | 2.50 | 2.57 | 2.75 | 2.85 | 2.93 | 3.03 | 3.17 | 3.44 |
| Wassertemperatur.<br>Auslass 70°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | 5.7  | 6.3  | 6.7  | 7.3  | 7.8  | 8.8  | 9.1  | 9.8  | 10.2 | 10.6 | 10.7 | 10.9 | 11.2 |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 4.76 | 4.82 | 4.85 | 4.87 | 4.90 | 4.95 | 4.95 | 4.97 | 4.99 | 5.02 | 4.94 | 4.81 | 4.55 |
|                                   |                   |                       | /    | /    | 1.20 | 1.31 | 1.39 | 1.51 | 1.59 | 1.78 | 1.84 | 1.96 | 2.04 | 2.11 | 2.17 | 2.27 | 2.47 |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | 2.5  | 2.7  | 2.8  | 3.1  | 3.2  | 3.5  | 3.7  | 3.9  | 4.1  | 4.2  | 4.3  | 4.4  | 4.5  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 1.51 | 1.52 | 1.53 | 1.54 | 1.55 | 1.57 | 1.57 | 1.57 | 1.58 | 1.59 | 1.56 | 1.52 | 1.44 |
|                                   |                   |                       | /    | /    | 1.67 | 1.76 | 1.86 | 2.00 | 2.07 | 2.26 | 2.33 | 2.48 | 2.57 | 2.65 | 2.74 | 2.86 | 3.11 |
| Wassertemperatur.<br>Auslass 75°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | /    | /    | /    | 6.7  | 7.1  | 8.0  | 8.3  | 8.9  | 9.3  | 9.7  | 9.8  | 10.0 | 10.2 |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | 4.99 | 5.02 | 5.07 | 5.08 | 5.09 | 5.12 | 5.15 | 5.06 | 4.92 | 4.66 |      |
|                                   |                   |                       | /    | /    | /    | /    | 1.34 | 1.41 | 1.58 | 1.64 | 1.75 | 1.82 | 1.88 | 1.94 | 2.03 | 2.20 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | /    | /    | 2.8  | 2.9  | 3.2  | 3.3  | 3.6  | 3.7  | 3.9  | 3.9  | 4.0  | 4.1  |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | 1.57 | 1.58 | 1.59 | 1.60 | 1.60 | 1.61 | 1.62 | 1.59 | 1.55 | 1.46 |      |
|                                   |                   |                       | /    | /    | /    | /    | 1.79 | 1.85 | 2.02 | 2.09 | 2.23 | 2.31 | 2.38 | 2.45 | 2.57 | 2.79 |      |
| Umgebungstemperatur (°C)          |                   |                       | -25  | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |

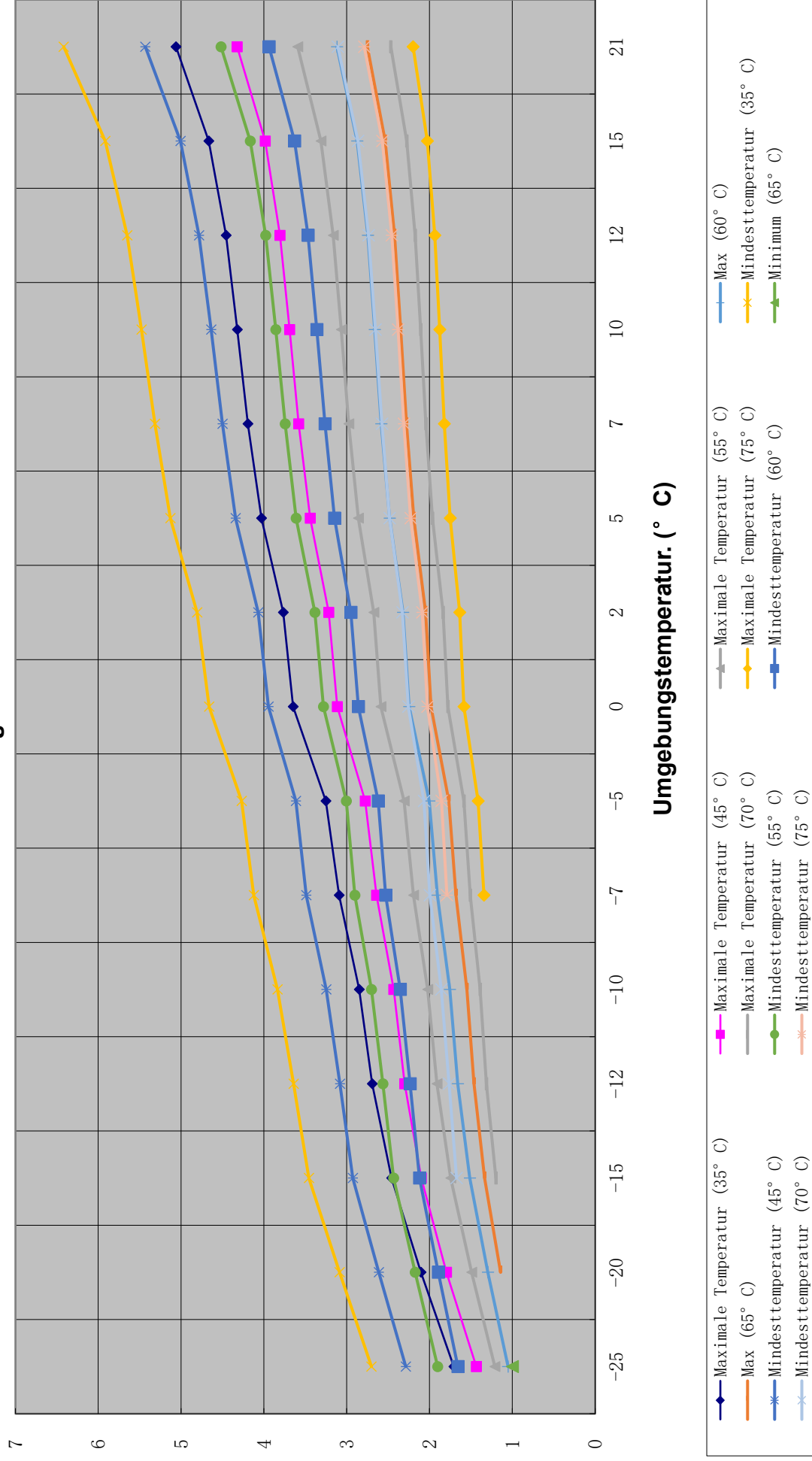
Heizleistungskurve SWD WP10 R290



Umgebungstemperatur. (° C)



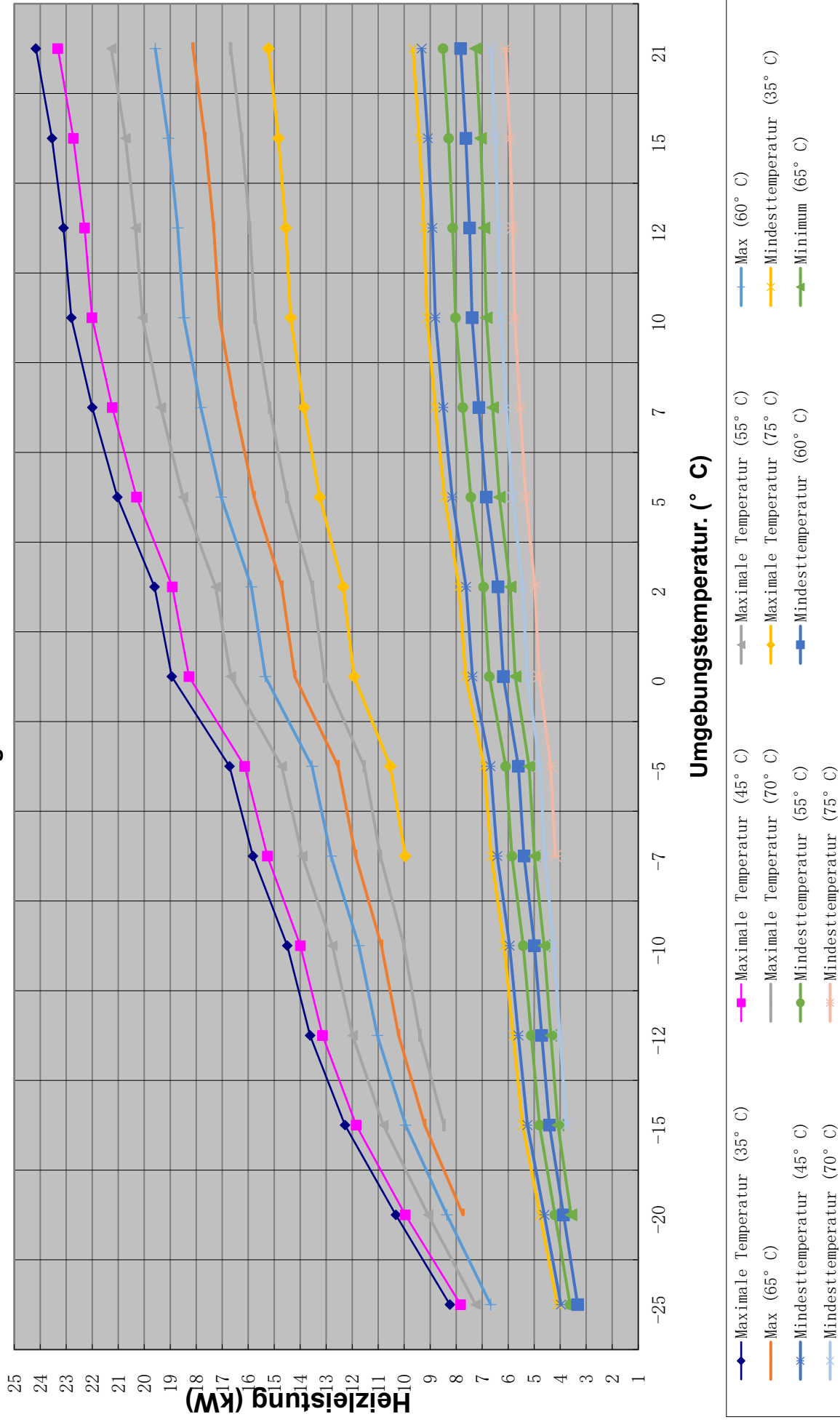
## COP-Leistungskurve SWD WP10 R290



| SWD WP15 R290 für Heizung         |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Umgebungstemperatur (°C)          |                   |                       | -25  | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |
| Wassertemperatur.<br>Auslass 35°C | Maximale<br>Werte | Heizleistung (kW)     | 8.2  | 10.3 | 12.3 | 13.6 | 14.5 | 15.8 | 16.7 | 18.9 | 19.6 | 21.0 | 22.0 | 22.8 | 23.1 | 23.5 | 24.2 |      |
|                                   |                   | Eingangsleistung (kW) | 4.87 | 4.95 | 5.04 | 5.10 | 5.13 | 5.16 | 5.18 | 5.24 | 5.25 | 5.26 | 5.29 | 5.32 | 5.32 | 5.23 | 5.09 | 4.81 |
|                                   |                   |                       | 1.69 | 2.09 | 2.44 | 2.67 | 2.83 | 3.07 | 3.23 | 3.62 | 3.74 | 4.00 | 4.16 | 4.29 | 4.42 | 4.63 | 5.02 |      |
|                                   | Minimum           | Heizleistung (kW)     | 4.1  | 4.8  | 5.4  | 5.8  | 6.2  | 6.7  | 6.9  | 7.6  | 7.9  | 8.4  | 8.8  | 9.1  | 9.2  | 9.4  | 9.7  |      |
|                                   |                   | Eingangsleistung (kW) | 1.53 | 1.55 | 1.58 | 1.60 | 1.61 | 1.62 | 1.63 | 1.64 | 1.65 | 1.65 | 1.66 | 1.67 | 1.64 | 1.60 | 1.51 |      |
|                                   |                   |                       | 2.69 | 3.08 | 3.45 | 3.63 | 3.83 | 4.11 | 4.26 | 4.65 | 4.79 | 5.11 | 5.30 | 5.46 | 5.63 | 5.90 | 6.40 |      |
|                                   | Maximale<br>Werte | Heizleistung (kW)     | 7.8  | 10.0 | 11.8 | 13.1 | 14.0 | 15.3 | 16.1 | 18.3 | 18.9 | 20.3 | 21.2 | 22.0 | 22.0 | 22.3 | 22.7 | 23.3 |
|                                   |                   | Eingangsleistung (kW) | 5.50 | 5.59 | 5.69 | 5.76 | 5.80 | 5.83 | 5.86 | 5.92 | 5.93 | 5.95 | 5.98 | 6.01 | 5.91 | 5.75 | 5.44 |      |
|                                   |                   |                       | 1.42 | 1.78 | 2.08 | 2.28 | 2.41 | 2.62 | 2.75 | 3.09 | 3.19 | 3.41 | 3.55 | 3.66 | 3.77 | 3.95 | 4.29 |      |
|                                   | Minimum           | Heizleistung (kW)     | 4.0  | 4.6  | 5.3  | 5.6  | 5.9  | 6.4  | 6.7  | 7.4  | 7.6  | 8.2  | 8.5  | 8.8  | 8.9  | 9.1  | 9.3  |      |
| Eingangsleistung (kW)             |                   | 1.74                  | 1.77 | 1.80 | 1.82 | 1.84 | 1.85 | 1.85 | 1.87 | 1.88 | 1.88 | 1.89 | 1.90 | 1.90 | 1.87 | 1.82 | 1.72 |      |
|                                   |                   | 2.28                  | 2.61 | 2.92 | 3.07 | 3.24 | 3.48 | 3.60 | 3.93 | 4.06 | 4.33 | 4.49 | 4.62 | 4.77 | 4.99 | 5.42 |      |      |
| Wassertemperatur.<br>Auslass 55°C | Maximale<br>Werte | Heizleistung (kW)     | 7.3  | 9.1  | 10.8 | 12.0 | 12.8 | 13.9 | 14.7 | 16.7 | 17.2 | 18.5 | 19.4 | 20.1 | 20.3 | 20.7 | 21.3 |      |
|                                   |                   | Eingangsleistung (kW) | 6.03 | 6.13 | 6.24 | 6.32 | 6.36 | 6.40 | 6.43 | 6.49 | 6.51 | 6.53 | 6.56 | 6.60 | 6.60 | 6.48 | 6.31 | 5.97 |
|                                   |                   |                       | 1.20 | 1.48 | 1.73 | 1.90 | 2.01 | 2.18 | 2.29 | 2.57 | 2.65 | 2.84 | 2.95 | 3.04 | 3.14 | 3.28 | 3.56 |      |
|                                   | Minimum           | Heizleistung (kW)     | 3.6  | 4.2  | 4.8  | 5.1  | 5.4  | 5.9  | 6.1  | 6.7  | 6.9  | 7.4  | 7.7  | 8.0  | 8.1  | 8.3  | 8.5  |      |
|                                   |                   | Eingangsleistung (kW) | 1.91 | 1.94 | 1.98 | 2.00 | 2.01 | 2.02 | 2.03 | 2.05 | 2.06 | 2.06 | 2.08 | 2.09 | 2.05 | 2.00 | 1.89 |      |
|                                   |                   |                       | 1.90 | 2.17 | 2.43 | 2.56 | 2.69 | 2.89 | 3.00 | 3.27 | 3.37 | 3.60 | 3.73 | 3.85 | 3.97 | 4.15 | 4.51 |      |
|                                   | Maximale<br>Werte | Heizleistung (kW)     | 6.7  | 8.4  | 9.9  | 11.0 | 11.7 | 12.8 | 13.5 | 15.3 | 15.9 | 17.0 | 17.8 | 18.5 | 18.7 | 19.1 | 19.6 |      |
|                                   |                   | Eingangsleistung (kW) | 6.40 | 6.50 | 6.62 | 6.71 | 6.75 | 6.78 | 6.82 | 6.89 | 6.90 | 6.92 | 6.96 | 7.00 | 6.87 | 6.69 | 6.33 |      |
|                                   |                   |                       | 1.04 | 1.28 | 1.50 | 1.64 | 1.74 | 1.89 | 1.99 | 2.23 | 2.30 | 2.46 | 2.56 | 2.64 | 2.72 | 2.85 | 3.09 |      |
|                                   | Minimum           | Heizleistung (kW)     | 3.3  | 3.9  | 4.4  | 4.7  | 5.0  | 5.4  | 5.6  | 6.2  | 6.4  | 6.8  | 7.1  | 7.4  | 7.5  | 7.6  | 7.8  |      |
| Eingangsleistung (kW)             |                   | 2.02                  | 2.05 | 2.09 | 2.11 | 2.13 | 2.14 | 2.15 | 2.17 | 2.17 | 2.18 | 2.19 | 2.20 | 2.16 | 2.11 | 1.99 |      |      |

|                                   |                   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                   |                   |                       | 1.65 | 1.89 | 2.12 | 2.23 | 2.35 | 2.52 | 2.61 | 2.85 | 2.94 | 3.14 | 3.25 | 3.35 | 3.46 | 3.62 | 3.93 |      |
| Wassertemperatur.<br>Auslass 65°C | Maximale<br>Werte | Heizleistung (kW)     | /    | 7.7  | 9.2  | 10.2 | 10.9 | 11.9 | 12.5 | 14.2 | 14.7 | 15.8 | 16.5 | 17.1 | 17.3 | 17.7 | 18.1 |      |
|                                   |                   | Eingangsleistung (kW) | /    | 6.83 | 6.95 | 7.04 | 7.08 | 7.12 | 7.15 | 7.23 | 7.24 | 7.26 | 7.30 | 7.34 | 7.21 | 7.02 | 6.64 |      |
|                                   |                   |                       | /    | 1.13 | 1.32 | 1.45 | 1.54 | 1.67 | 1.75 | 1.97 | 2.03 | 2.17 | 2.26 | 2.33 | 2.40 | 2.51 | 2.73 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | 3.6  | 4.1  | 4.4  | 4.6  | 5.0  | 5.2  | 5.7  | 5.9  | 6.3  | 6.6  | 6.8  | 6.9  | 7.1  | 7.3  |      |
|                                   |                   | Eingangsleistung (kW) | /    | 2.17 | 2.21 | 2.24 | 2.25 | 2.27 | 2.28 | 2.30 | 2.31 | 2.31 | 2.32 | 2.34 | 2.30 | 2.24 | 2.11 |      |
|                                   |                   |                       | /    | 1.65 | 1.85 | 1.95 | 2.05 | 2.20 | 2.28 | 2.49 | 2.57 | 2.74 | 2.84 | 2.93 | 3.02 | 3.16 | 3.43 |      |
| Wassertemperatur.<br>Auslass 70°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | 8.5  | 9.4  | 10.0 | 10.9 | 11.5 | 13.1 | 13.5 | 14.5 | 15.2 | 15.7 | 15.9 | 16.2 | 16.7 |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 7.13 | 7.22 | 7.26 | 7.30 | 7.34 | 7.41 | 7.43 | 7.45 | 7.49 | 7.53 | 7.40 | 7.20 | 6.81 |      |
|                                   |                   |                       | /    | /    | 1.19 | 1.30 | 1.38 | 1.50 | 1.57 | 1.76 | 1.82 | 1.95 | 2.03 | 2.09 | 2.16 | 2.26 | 2.45 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | 3.8  | 4.0  | 4.3  | 4.6  | 4.8  | 5.3  | 5.4  | 5.8  | 6.1  | 6.3  | 6.4  | 6.5  | 6.7  |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | 2.25 | 2.28 | 2.29 | 2.31 | 2.32 | 2.34 | 2.35 | 2.35 | 2.37 | 2.38 | 2.34 | 2.28 | 2.15 |      |
|                                   |                   |                       | /    | /    | 1.67 | 1.76 | 1.85 | 1.99 | 2.06 | 2.25 | 2.32 | 2.48 | 2.57 | 2.65 | 2.73 | 2.86 | 3.10 |      |
| Wassertemperatur.<br>Auslass 75°C | Maximale<br>Werte | Heizleistung (kW)     | /    | /    | /    | /    | /    | 10.0 | 10.5 | 11.9 | 12.3 | 13.3 | 13.9 | 14.4 | 14.6 | 14.8 | 15.2 |      |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | 7.48 | 7.52 | 7.59 | 7.61 | 7.63 | 7.67 | 7.72 | 7.58 | 7.38 | 6.98 |      |
|                                   |                   |                       | /    | /    | /    | /    | /    | 1.33 | 1.40 | 1.57 | 1.62 | 1.74 | 1.81 | 1.86 | 1.92 | 2.01 | 2.18 |      |
|                                   | Minimum           | Heizleistung (kW)     | /    | /    | /    | /    | /    | /    | 4.2  | 4.4  | 4.8  | 5.0  | 5.3  | 5.5  | 5.7  | 5.8  | 5.9  | 6.1  |
|                                   |                   | Eingangsleistung (kW) | /    | /    | /    | /    | /    | /    | 2.35 | 2.36 | 2.38 | 2.39 | 2.39 | 2.41 | 2.42 | 2.38 | 2.32 | 2.19 |
|                                   |                   |                       | /    | /    | /    | /    | /    | /    | 1.79 | 1.85 | 2.02 | 2.08 | 2.22 | 2.30 | 2.37 | 2.45 | 2.56 | 2.78 |
| Umgebungstemperatur (°C)          |                   |                       | -25  | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |

## Heizleistungskurve SWD WP15 R290



COP-Leistungskurve SWD WP15 R290

