

Subtype HPG-I 04/06/08 (D)(C)S Premium

| | |
|---------------------|---|
| Certificate Holder | STIEBEL ELTRON GmbH & Co KG |
| Address | Dr. Stiebel Straße 33 |
| ZIP | 37603 |
| City | Holzminden |
| Country | DE |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | HPG-I 04/06/08 (D)(C)S Premium |
| Registration number | 011-1W0473 |
| Heat Pump Type | Brine/Water |
| Refrigerant | R454C |
| Mass of Refrigerant | 2.2 kg |
| Certification Date | 26.08.2021 |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 8 (as of 2020-09) |

Model HPG-I 04 (D)(C)S Premium

| | |
|-------------------------------------|--------------------------------|
| Model name | HPG-I 04 (D)(C)S Premium |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | No |

Brine/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 1.96 kW | 1.26 kW |
| El input | 0.43 kW | 0.47 kW |
| COP | 4.60 | 2.73 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 38 dB(A) | 38 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 195 % | 153 % |
| Prated | 4.23 kW | 3.76 kW |
| SCOP | 5.07 | 4.02 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.73 kW | 3.32 kW |
| COP Tj = -7°C | 5.01 | 3.58 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.26 kW | 2.02 kW |
| COP Tj = +2°C | 5.38 | 4.22 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 1.45 kW | 1.30 kW |
| COP Tj = +7°C | 5.34 | 4.47 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.13 kW | 1.08 kW |
| COP Tj = 12°C | 5.32 | 4.49 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.23 kW | 3.76 kW |
| COP Tj = Tbiv | 4.86 | 3.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.23 kW | 3.76 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.86 | 3.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1723 kWh | 1934 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 38 dB(A) | 38 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 201 % | 157 % |
| Prated | 4.23 kW | 3.76 kW |
| SCOP | 5.21 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 2.55 kW | 2.27 kW |
| COP Tj = -7°C | 5.37 | 4.10 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 1.55 kW | 1.38 kW |
| COP Tj = +2°C | 5.45 | 4.37 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 1.13 kW | 1.09 kW |
| COP Tj = +7°C | 5.31 | 4.51 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.12 kW | 1.09 kW |
| COP Tj = 12°C | 5.21 | 4.52 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.23 kW | 3.76 kW |
| COP Tj = Tbiv | 4.86 | 3.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.23 kW | 3.76 kW |

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.86 | 3.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2000 kWh | 2252 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 38 dB(A) | 38 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 187 % | 147 % |
| Prated | 4.23 kW | 3.76 kW |
| SCOP | 4.87 | 3.87 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.23 kW | 3.76 kW |
| COP Tj = +2°C | 4.86 | 3.43 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.71 kW | 2.41 kW |
| COP Tj = +7°C | 5.24 | 3.95 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.20 kW | 1.08 kW |
| COP Tj = 12°C | 5.31 | 4.39 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.23 kW | 3.76 kW |
| COP Tj = Tbiv | 4.86 | 3.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.23 kW | 3.76 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.86 | 3.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1159 kWh | 1300 kWh |

Model HPG-I 06 (D)(C)S Premium

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|-------------------------------------|--------------------------------|
| Model name | HPG-I 06 (D)(C)S Premium |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-----|
| Power supply | n/a |
| Off-peak product | n/a |

Brine/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 2.37 kW | 2.01 kW |
| El input | 0.52 kW | 0.69 kW |
| COP | 4.60 | 2.91 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 200 % | 160 % |
| Prated | 6.70 kW | 6.05 kW |
| SCOP | 5.20 | 4.18 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.91 kW | 5.34 kW |
| COP Tj = -7°C | 4.71 | 3.55 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 3.59 kW | 3.25 kW |
| COP Tj = +2°C | 5.39 | 4.27 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.30 kW | 2.09 kW |
| COP Tj = +7°C | 5.60 | 4.76 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.14 kW | 1.08 kW |
| COP Tj = 12°C | 5.47 | 4.61 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 6.70 kW | 6.05 kW |
| COP Tj = Tbiv | 4.52 | 3.34 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.70 kW | 6.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.52 | 3.34 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2662 kWh | 2988 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 207 % | 166 % |
| Prated | 6.70 kW | 6.05 kW |
| SCOP | 5.38 | 4.34 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.04 kW | 3.65 kW |
| COP Tj = -7°C | 5.36 | 4.15 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.45 kW | 2.22 kW |
| COP Tj = +2°C | 5.64 | 4.68 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 1.57 kW | 1.42 kW |
| COP Tj = +7°C | 5.76 | 4.80 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.13 kW | 1.10 kW |
| COP Tj = 12°C | 5.32 | 4.73 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 6.70 kW | 6.05 kW |
| COP Tj = Tbiv | 4.52 | 3.34 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.70 kW | 6.05 kW |

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.52 | 3.34 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3069 kWh | 3439 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 198 % | 158 % |
| Prated | 6.70 kW | 6.05 kW |
| SCOP | 5.14 | 4.14 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 6.70 kW | 6.05 kW |
| COP Tj = +2°C | 4.52 | 3.34 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.29 kW | 3.88 kW |
| COP Tj = +7°C | 5.19 | 3.97 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.90 kW | 1.72 kW |
| COP Tj = 12°C | 5.71 | 4.81 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 6.70 kW | 6.05 kW |
| COP Tj = Tbiv | 4.52 | 3.34 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.70 kW | 6.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.52 | 3.34 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1741 kWh | 1954 kWh |

Model HPG-I 08 (D)(C)S Premium

| | |
|-------------------------------------|--------------------------------|
| Model name | HPG-I 08 (D)(C)S Premium |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-----|
| Power supply | n/a |
| Off-peak product | n/a |

Brine/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 2.78 kW | 2.42 kW |
| El input | 0.60 kW | 0.79 kW |
| COP | 4.67 | 3.07 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 197 % | 158 % |
| Prated | 7.66 kW | 6.93 kW |
| SCOP | 5.12 | 4.14 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.76 kW | 6.12 kW |
| COP Tj = -7°C | 4.53 | 3.44 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.11 kW | 3.72 kW |
| COP Tj = +2°C | 5.25 | 4.21 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.64 kW | 2.39 kW |
| COP Tj = +7°C | 5.59 | 4.69 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.16 kW | 1.08 kW |
| COP Tj = 12°C | 5.52 | 4.61 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.66 kW | 6.93 kW |
| COP Tj = Tbiv | 4.29 | 3.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.66 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 3.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3094 kWh | 3461 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 204 % | 163 % |
| Prated | 7.66 kW | 6.93 kW |
| SCOP | 5.29 | 4.29 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.62 kW | 4.18 kW |
| COP Tj = -7°C | 5.17 | 4.07 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.81 kW | 2.54 kW |
| COP Tj = +2°C | 5.60 | 4.60 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 1.80 kW | 1.63 kW |
| COP Tj = +7°C | 5.76 | 4.90 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 1.13 kW | 1.09 kW |
| COP Tj = 12°C | 5.34 | 4.75 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.66 kW | 6.93 kW |
| COP Tj = Tbiv | 4.29 | 3.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.66 kW | 6.93 kW |

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 3.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3570 kWh | 3985 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 197 % | 157 % |
| Prated | 7.66 kW | 6.93 kW |
| SCOP | 5.13 | 4.13 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.66 kW | 6.93 kW |
| COP Tj = +2°C | 4.29 | 3.22 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.91 kW | 4.45 kW |
| COP Tj = +7°C | 5.09 | 3.88 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.17 kW | 1.97 kW |
| COP Tj = 12°C | 5.75 | 4.85 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.66 kW | 6.93 kW |
| COP Tj = Tbiv | 4.29 | 3.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.66 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 3.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1997 kWh | 2243 kWh |