

Subtype WPL-A 05/07 HK 230 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 | WPL-A 05/07 HK 230 Premium |
| Registration number | 011-1W0393 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R454C |
| Mass of Refrigerant | 3 kg |
| Certification Date | 07.08.2020 |

Model WPL-A 05 HK 230 Premium

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|-------------------------------------|--------------------------------|
| Model name | WPL-A 05 HK 230 Premium |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 185 % | 151 % |
| Prated | 5.50 kW | 5.60 kW |
| SCOP | 4.70 | 3.85 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.86 kW | 4.89 kW |
| COP Tj = -7°C | 3.40 | 2.64 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.95 kW | 3.03 kW |
| COP Tj = +2°C | 4.58 | 3.80 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 2.99 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C | 6.32 | 4.84 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.57 kW |
| COP Tj = 12°C | 8.19 | 6.09 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.68 kW | 4.89 kW |
| COP Tj = Tbiv | 3.40 | 2.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.43 kW | 4.13 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.06 | 2.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.07 kW | 1.50 kW |
| Annual energy consumption Qhe | 2415 kWh | 3021 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs | 151 % | 126 % |
| Prated | 8.20 kW | 7.80 kW |
| SCOP | 3.84 | 3.23 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.94 kW | 4.70 kW |
| COP Tj = -7°C | 3.67 | 2.94 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 3.00 kW | 2.86 kW |
| COP Tj = +2°C | 5.03 | 4.30 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.21 kW | 3.08 kW |
| COP Tj = +7°C | 6.81 | 5.42 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.63 kW |
| COP Tj = 12°C | 8.20 | 6.56 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.94 kW | 4.70 kW |
| COP Tj = Tbiv | 3.67 | 2.94 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.04 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.93 | 2.20 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5.13 kW | 5.19 kW |
| Annual energy consumption Qhe | 5239 kWh | 5927 kWh |
| Pdh Tj = -15°C (if TOL | 4.00 | 3.64 |
| COP Tj = -15°C (if TOL | 2.93 | 2.20 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| ηs | 208 % | 143 % |
| Prated | 3.00 kW | 3.00 kW |
| SCOP | 5.26 | 3.66 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.03 kW | 2.97 kW |
| COP Tj = +2°C | 4.29 | 2.86 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.07 kW | 2.72 kW |
| COP Tj = +7°C | 5.52 | 3.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.69 kW | 3.46 kW |
| COP Tj = 12°C | 7.51 | 5.33 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 3.03 kW | 2.97 kW |
| COP Tj = Tbiv | 4.29 | 2.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.03 kW | 2.97 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 2.86 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |

| | | |
|--------------------------------------------|-------------|-------------|
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 768 kWh | 1085 kWh |

Model WPL-A 07 HK 230 Premium

| | |
|-------------------------------------|--------------------------------|
| Model name | WPL-A 07 HK 230 Premium |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 192 % | 153 % |
| Prated | 8.10 kW | 8.00 kW |
| SCOP | 4.88 | 3.90 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.13 kW | 7.04 kW |
| COP Tj = -7°C | 3.00 | 2.43 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.34 kW | 4.28 kW |
| COP Tj = +2°C | 4.82 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.19 kW | 3.05 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C | 6.66 | 5.22 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.60 kW |
| COP Tj = 12°C | 8.40 | 6.33 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.13 kW | 7.04 kW |
| COP Tj = Tbiv | 3.00 | 2.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.86 kW | 6.53 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 2.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.20 kW | 1.43 kW |
| Annual energy consumption Qhe | 3413 kWh | 4219 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs | 151 % | 128 % |
| Prated | 11.80 kW | 11.90 kW |
| SCOP | 3.84 | 3.26 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.15 kW | 7.21 kW |
| COP Tj = -7°C | 3.17 | 2.70 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.35 kW | 4.39 kW |
| COP Tj = +2°C | 5.24 | 4.31 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.24 kW | 3.15 kW |
| COP Tj = +7°C | 7.18 | 5.99 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.66 kW |
| COP Tj = 12°C | 8.41 | 6.88 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.15 kW | 7.21 kW |
| COP Tj = Tbiv | 3.17 | 2.70 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.49 kW | 6.29 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.74 | 2.22 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6.90 kW | 6.90 kW |
| Annual energy consumption Qhe | 7574 kWh | 9005 kWh |
| Pdh Tj = -15°C (if TOL | 6.49 | 6.29 |
| COP Tj = -15°C (if TOL | 2.74 | 2.22 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 230 % | 163 % |
| Prated | 4.30 kW | 4.30 kW |
| SCOP | 5.84 | 4.14 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.30 kW | 4.30 kW |
| COP Tj = +2°C | 4.30 | 2.93 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.10 kW | 2.80 kW |
| COP Tj = +7°C | 5.77 | 3.90 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.70 kW | 3.49 kW |
| COP Tj = 12°C | 7.69 | 5.53 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.30 kW | 4.30 kW |
| COP Tj = Tbiv | 4.30 | 2.93 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.30 kW | 4.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.30 | 2.93 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |

| | | |
|--------------------------------------------|-------------|-------------|
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 984 kWh | 1388 kWh |

Model WPL-A 05 HK 230 Premium + HSBC 200 (S) Profile M

| | |
|-------------------------------------|--------------------------------------------------|
| Model name | WPL-A 05 HK 230 Premium + HSBC 200 (S) Profile M |
| Application | Heating + DHW + low temp |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 117 % |
| COP | 2.71 |
| Heating up time | 2:17 h:min |
| Standby power input | 70.5 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 240 l |

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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 185 % | 151 % |
| Prated | 5.50 kW | 5.60 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| SCOP | 4.70 | 3.85 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.86 kW | 4.89 kW |
| COP Tj = -7°C | 3.40 | 2.64 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.95 kW | 3.03 kW |
| COP Tj = +2°C | 4.58 | 3.80 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 2.99 kW |
| COP Tj = +7°C | 6.32 | 4.84 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.57 kW |
| COP Tj = 12°C | 8.19 | 6.09 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.68 kW | 4.89 kW |
| COP Tj = Tbiv | 3.40 | 2.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.43 kW | 4.13 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.06 | 2.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.07 kW | 1.50 kW |
| Annual energy consumption Qhe | 2415 kWh | 3021 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 151 % | 126 % |
| Prated | 8.20 kW | 7.80 kW |
| SCOP | 3.84 | 3.23 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.94 kW | 4.70 kW |
| COP Tj = -7°C | 3.67 | 2.94 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 3.00 kW | 2.86 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +2°C | 5.03 | 4.30 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.21 kW | 3.08 kW |
| COP Tj = +7°C | 6.81 | 5.42 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.63 kW |
| COP Tj = 12°C | 8.20 | 6.56 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.94 kW | 4.70 kW |
| COP Tj = Tbiv | 3.67 | 2.94 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.04 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.93 | 2.20 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5.13 kW | 5.19 kW |
| Annual energy consumption Qhe | 5239 kWh | 5927 kWh |
| Pdh Tj = -15°C (if TOL | 4.00 | 3.64 |
| COP Tj = -15°C (if TOL | 2.93 | 2.20 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 208 % | 143 % |
| Prated | 3.00 kW | 3.00 kW |
| SCOP | 5.26 | 3.66 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.03 kW | 2.97 kW |
| COP Tj = +2°C | 4.29 | 2.86 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.07 kW | 2.72 kW |
| COP Tj = +7°C | 5.52 | 3.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.69 kW | 3.46 kW |
| COP Tj = 12°C | 7.51 | 5.33 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 3.03 kW | 2.97 kW |
| COP Tj = Tbiv | 4.29 | 2.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.03 kW | 2.97 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 2.86 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 768 kWh | 1085 kWh |

Model WPL-A 05 HK 230 Premium + HSBC 200 (S) Profile L

| | |
|-------------------------------------|--------------------------------------------------|
| Model name | WPL-A 05 HK 230 Premium + HSBC 200 (S) Profile L |
| Application | Heating + DHW + low temp |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 129 % |
| COP | 2.71 |
| Heating up time | 2:09 h:min |
| Standby power input | 67.5 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 237 l |

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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 185 % | 151 % |
| Prated | 5.50 kW | 5.60 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| SCOP | 4.70 | 3.85 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.86 kW | 4.89 kW |
| COP Tj = -7°C | 3.40 | 2.64 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 2.95 kW | 3.03 kW |
| COP Tj = +2°C | 4.58 | 3.80 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 2.99 kW |
| COP Tj = +7°C | 6.32 | 4.84 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.57 kW |
| COP Tj = 12°C | 8.19 | 6.09 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.68 kW | 4.89 kW |
| COP Tj = Tbiv | 3.40 | 2.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.43 kW | 4.13 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.06 | 2.22 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.07 kW | 1.50 kW |
| Annual energy consumption Qhe | 2415 kWh | 3021 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 151 % | 126 % |
| Prated | 8.20 kW | 7.80 kW |
| SCOP | 3.84 | 3.23 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.94 kW | 4.70 kW |
| COP Tj = -7°C | 3.67 | 2.94 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 3.00 kW | 2.86 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +2°C | 5.03 | 4.30 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.21 kW | 3.08 kW |
| COP Tj = +7°C | 6.81 | 5.42 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.63 kW |
| COP Tj = 12°C | 8.20 | 6.56 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.94 kW | 4.70 kW |
| COP Tj = Tbiv | 3.67 | 2.94 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.04 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.93 | 2.20 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5.13 kW | 5.19 kW |
| Annual energy consumption Qhe | 5239 kWh | 5927 kWh |
| Pdh Tj = -15°C (if TOL | 4.00 | 3.64 |
| COP Tj = -15°C (if TOL | 2.93 | 2.20 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 208 % | 143 % |
| Prated | 3.00 kW | 3.00 kW |
| SCOP | 5.26 | 3.66 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.03 kW | 2.97 kW |
| COP Tj = +2°C | 4.29 | 2.86 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.07 kW | 2.72 kW |
| COP Tj = +7°C | 5.52 | 3.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.69 kW | 3.46 kW |
| COP Tj = 12°C | 7.51 | 5.33 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 3.03 kW | 2.97 kW |
| COP Tj = Tbiv | 4.29 | 2.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.03 kW | 2.97 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.29 | 2.86 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 768 kWh | 1085 kWh |

Model WPL-A 07 HK 230 Premium + HSBC 200 (S) Profile M

| | |
|-------------------------------------|--------------------------------------------------|
| Model name | WPL-A 07 HK 230 Premium + HSBC 200 (S) Profile M |
| Application | Heating + DHW + low temp |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | M |
| Efficiency η_{DHW} | 117 % |
| COP | 2.71 |
| Heating up time | 2:17 h:min |
| Standby power input | 70.5 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 240 l |

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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 192 % | 153 % |
| Prated | 8.10 kW | 8.00 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| SCOP | 4.88 | 3.90 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.13 kW | 7.04 kW |
| COP Tj = -7°C | 3.00 | 2.43 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.34 kW | 4.28 kW |
| COP Tj = +2°C | 4.82 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.19 kW | 3.05 kW |
| COP Tj = +7°C | 6.66 | 5.22 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.60 kW |
| COP Tj = 12°C | 8.40 | 6.33 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.13 kW | 7.04 kW |
| COP Tj = Tbiv | 3.00 | 2.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.86 kW | 6.53 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 2.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.20 kW | 1.43 kW |
| Annual energy consumption Qhe | 3413 kWh | 4219 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 151 % | 128 % |
| Prated | 11.80 kW | 11.90 kW |
| SCOP | 3.84 | 3.26 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.15 kW | 7.21 kW |
| COP Tj = -7°C | 3.17 | 2.70 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.35 kW | 4.39 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +2°C | 5.24 | 4.31 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.24 kW | 3.15 kW |
| COP Tj = +7°C | 7.18 | 5.99 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.66 kW |
| COP Tj = 12°C | 8.41 | 6.88 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.15 kW | 7.21 kW |
| COP Tj = Tbiv | 3.17 | 2.70 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.49 kW | 6.29 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.74 | 2.22 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6.90 kW | 6.90 kW |
| Annual energy consumption Qhe | 7574 kWh | 9005 kWh |
| Pdh Tj = -15°C (if TOL | 6.49 | 6.29 |
| COP Tj = -15°C (if TOL | 2.74 | 2.22 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 230 % | 163 % |
| Prated | 4.30 kW | 4.30 kW |
| SCOP | 5.84 | 4.14 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.30 kW | 4.30 kW |
| COP Tj = +2°C | 4.30 | 2.93 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.10 kW | 2.80 kW |
| COP Tj = +7°C | 5.77 | 3.90 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.70 kW | 3.49 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C | 7.69 | 5.53 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.30 kW | 4.30 kW |
| COP Tj = Tbiv | 4.30 | 2.93 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.30 kW | 4.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.30 | 2.93 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 984 kWh | 1388 kWh |

Model WPL-A 07 HK 230 Premium + HSBC 200 (S) Profile L

| | |
|-------------------------------------|--------------------------------------------------|
| Model name | WPL-A 07 HK 230 Premium + HSBC 200 (S) Profile L |
| Application | Heating + DHW + low temp |
| Units | Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 129 % |
| COP | 2.71 |
| Heating up time | 2:09 h:min |
| Standby power input | 67.5 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 237 l |

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 | 3.31 kW | 2.70 kW |
| El input | 0.61 kW | 0.82 kW |
| COP | 5.42 | 3.29 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 192 % | 153 % |
| Prated | 8.10 kW | 8.00 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| SCOP | 4.88 | 3.90 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.13 kW | 7.04 kW |
| COP Tj = -7°C | 3.00 | 2.43 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.34 kW | 4.28 kW |
| COP Tj = +2°C | 4.82 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.19 kW | 3.05 kW |
| COP Tj = +7°C | 6.66 | 5.22 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.60 kW |
| COP Tj = 12°C | 8.40 | 6.33 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.13 kW | 7.04 kW |
| COP Tj = Tbiv | 3.00 | 2.43 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.86 kW | 6.53 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 2.43 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.20 kW | 1.43 kW |
| Annual energy consumption Qhe | 3413 kWh | 4219 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 151 % | 128 % |
| Prated | 11.80 kW | 11.90 kW |
| SCOP | 3.84 | 3.26 |
| Tbiv | -7 °C | -7 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.15 kW | 7.21 kW |
| COP Tj = -7°C | 3.17 | 2.70 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.35 kW | 4.39 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +2°C | 5.24 | 4.31 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.24 kW | 3.15 kW |
| COP Tj = +7°C | 7.18 | 5.99 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 3.66 kW |
| COP Tj = 12°C | 8.41 | 6.88 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.15 kW | 7.21 kW |
| COP Tj = Tbiv | 3.17 | 2.70 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.49 kW | 6.29 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.74 | 2.22 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6.90 kW | 6.90 kW |
| Annual energy consumption Qhe | 7574 kWh | 9005 kWh |
| Pdh Tj = -15°C (if TOL | 6.49 | 6.29 |
| COP Tj = -15°C (if TOL | 2.74 | 2.22 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 230 % | 163 % |
| Prated | 4.30 kW | 4.30 kW |
| SCOP | 5.84 | 4.14 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.30 kW | 4.30 kW |
| COP Tj = +2°C | 4.30 | 2.93 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.10 kW | 2.80 kW |
| COP Tj = +7°C | 5.77 | 3.90 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.70 kW | 3.49 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C | 7.69 | 5.53 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.30 kW | 4.30 kW |
| COP Tj = Tbiv | 4.30 | 2.93 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.30 kW | 4.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.30 | 2.93 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 10 W | 10 W |
| PSB | 12 W | 12 W |
| PCK | 10 W | 10 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 984 kWh | 1388 kWh |