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Login

| Summary of | WPL 09 ACS classic | Reg. No. | 011-1W0061 | |
|---------------------|-----------------------------|---|------------|--|
| Certificate Holder | Certificate Holder | | | |
| Name | STIEBEL ELTRON GmbH & Co | STIEBEL ELTRON GmbH & Co KG | | |
| Address | Dr. Stiebel Straße 33 | Zip | 37603 | |
| City | Holzminden | Country | Germany | |
| Certification Body | DIN CERTCO Gesellschaft für | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | WPL 09 ACS classic | WPL 09 ACS classic | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R410A | R410A | | |
| Mass of Refrigerant | 1.1 kg | 1.1 kg | | |
| Certification Date | 19.01.2017 | 19.01.2017 | | |



Model: WPL 09 ACS classic + HSBC 200, HSBC 200 S

| Configure model | | |
|--|--------------------------|--|
| Model name WPL 09 ACS classic + HSBC 200, HSBC 200 S | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 2.27 kW | 1.92 kW |
| El input | 0.50 kW | 0.74 kW |
| СОР | 4.54 | 2.59 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

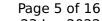
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 165 % | 116 % |
| Prated | 4.59 kW | 3.83 kW |
| SCOP | 4.20 | 2.96 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -7 °C |
| Pdh Tj = -7°C | 4.03 kW | 2.79 kW |
| COP Tj = -7°C | 2.67 | 2.01 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.53 kW | 2.01 kW |
| COP Tj = +2°C | 4.00 | 2.94 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 1.63 kW | 1.25 kW |
| COP Tj = +7°C | 6.06 | 4.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| | | Titt database on 25 jan 202 |
|---|-------------|-----------------------------|
| Pdh Tj = 12°C | 1.67 kW | 1.54 kW |
| COP Tj = 12°C | 6.43 | 5.13 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 4.03 kW | 3.09 kW |
| COP Tj = Tbiv | 2.67 | 2.20 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.80 kW | 2.79 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| PTO | 30 W | 30 W |
| PSB | 17 W | 17 W |
| PCK | 5 W | 5 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.79 kW | 3.83 kW |
| Annual energy consumption Qhe | 2258 kWh | 2672 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 113 % | |
| СОР | 2.70 | |
| Heating up time | 1:50 h:min | |
| Standby power input | 35.0 W | |
| Reference hot water temperature | 52.5 °C | |
| Mixed water at 40°C | 245 I | |



Model: WPL 09 ACS classic + HSBB 200 classic, HSBB 200 S classic

| Configure model | | |
|-------------------------------------|---|--|
| Model name | WPL 09 ACS classic + HSBB 200 classic, HSBB 200 S classic | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 2.27 kW | 1.92 kW |
| El input | 0.50 kW | 0.74 kW |
| СОР | 4.54 | 2.59 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Average Climate



| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 33 dB(A) | 33 dB(A) | |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) | |

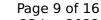
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 165 % | 116 % |
| Prated | 4.59 kW | 3.83 kW |
| SCOP | 4.20 | 2.96 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -7 °C |
| Pdh Tj = -7°C | 4.03 kW | 2.79 kW |
| COP Tj = -7°C | 2.67 | 2.01 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.53 kW | 2.01 kW |
| COP Tj = +2°C | 4.00 | 2.94 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 1.63 kW | 1.25 kW |
| COP Tj = +7°C | 6.06 | 4.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| 1.67 kW | 1.54 kW |
|-------------|--|
| 6.43 | 5.13 |
| 0.900 | 0.900 |
| 4.03 kW | 30.90 kW |
| 2.67 | 2.20 |
| 3.80 kW | 2.79 kW |
| 2.51 | 2.01 |
| 0.900 | 0.900 |
| 60 °C | 60 °C |
| 17 W | 17 W |
| 30 W | 30 W |
| 17 W | 17 W |
| 5 W | 5 W |
| Electricity | Electricity |
| 0.79 kW | 3.83 kW |
| 2258 kWh | 2672 kWh |
| | 6.43 0.900 4.03 kW 2.67 3.80 kW 2.51 0.900 60 °C 17 W 30 W 17 W 5 W Electricity 0.79 kW |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 113 % | |
| СОР | 2.70 | |
| Heating up time | 1:50 h:min | |
| Standby power input | 35.0 W | |
| Reference hot water temperature | 52.5 °C | |
| Mixed water at 40°C | 245 I | |

Model: WPL 09 ACS classic, low temperature, all climates

| Configure model | | |
|-------------------------------------|---|--|
| Model name | WPL 09 ACS classic, low temperature, all climates | |
| Application | Heating (low temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 2.27 kW | 1.92 kW | |
| El input | 0.50 kW | | |
| СОР | 4.54 | | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |



| EN 12102-1 | | |
|---------------------------|-----------------|--|
| | Low temperature | |
| Sound power level indoor | 52 dB(A) | |
| Sound power level outdoor | 52 dB(A) | |

| EN 14825 | | |
|------------------------|-----------------|--|
| | Low temperature | |
| η_s | 165 % | |
| Prated | 4.59 kW | |
| SCOP | 4.20 | |
| Tbiv | -7 °C | |
| TOL | -10 °C | |
| Pdh Tj = -7°C | 4.03 kW | |
| COP Tj = -7°C | 2.67 | |
| Cdh Tj = -7 °C | 0.900 | |
| Pdh Tj = +2°C | 2.53 kW | |
| COP Tj = +2°C | 4.00 | |
| Cdh Tj = +2 °C | 0.900 | |
| Pdh Tj = +7°C | 1.63 kW | |
| $COP Tj = +7^{\circ}C$ | 6.06 | |
| Cdh Tj = +7 °C | 0.900 | |
| | | |

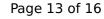




| - |
|-------------|
| 1.67 kW |
| 6.43 |
| 0.900 |
| 4.03 kW |
| 2.67 |
| 2.80 kW |
| 2.51 |
| 0.900 |
| 60 °C |
| 17 W |
| 30 W |
| 17 W |
| 5 W |
| Electricity |
| 0.79 kW |
| 2258 kWh |
| |

Warmer Climate

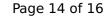
| EN 12102-1 | |
|---------------------------|-----------------|
| | Low temperature |
| Sound power level outdoor | 52 dB(A) |





EN 14825

| | Low temperature |
|---|-----------------|
| η_{s} | 203 % |
| Prated | 3.48 kW |
| SCOP | 5.14 |
| Tbiv | 2 °C |
| TOL | 2 °C |
| Pdh Tj = +2°C | 3.48 kW |
| COP Tj = +2°C | 3.23 |
| Cdh Tj = +2 °C | 0.900 |
| Pdh Tj = +7°C | 2.51 kW |
| $COPTj = +7^{\circ}C$ | 5.18 |
| Cdh Tj = +7 °C | 0.900 |
| Pdh Tj = 12°C | 1.64 kW |
| COP Tj = 12°C | 6.23 |
| Cdh Tj = +12 °C | 0.900 |
| Pdh Tj = Tbiv | 3.48 kW |
| COP Tj = Tbiv | 3.23 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.48 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.23 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 |



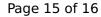


| WTOL | 60 °C |
|--|-------------|
| Poff | 17 W |
| РТО | 30 W |
| PSB | 17 W |
| PCK | 5 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.00 kW |
| Annual energy consumption Qhe | 904 kWh |

Colder Climate

| EN 12102-1 | |
|---------------------------|-----------------|
| | Low temperature |
| Sound power level outdoor | 52 dB(A) |

| EN 14825 | |
|------------|-----------------|
| | Low temperature |
| η_{S} | 147 % |
| Prated | 4.29 kW |
| SCOP | 3.76 |
| Tbiv | -15 °C |
| TOL | -20 °C |
| | |





| This information was generated by the FIF KETI | TARK database on 25 juli 2022 |
|---|-------------------------------|
| Pdh Tj = -7°C | 2.94 kW |
| COP Tj = -7°C | 3.12 |
| Cdh Tj = -7 °C | 0.900 |
| Pdh Tj = +2°C | 1.75 kW |
| COP Tj = +2°C | 4.61 |
| Cdh Tj = +2 °C | 0.900 |
| Pdh Tj = +7°C | 1.42 kW |
| $COP Tj = +7^{\circ}C$ | 6.34 |
| Cdh Tj = +7 °C | 0.900 |
| Pdh Tj = 12°C | 1.65 kW |
| COP Tj = 12°C | 6.27 |
| Cdh Tj = +12 °C | 0.900 |
| Pdh Tj = Tbiv | 3.48 kW |
| COP Tj = Tbiv | 2.52 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.91 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 |
| WTOL | 60 °C |
| Poff | 17 W |
| РТО | 30 W |
| PSB | 17 W |
| | |



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| PCK | 5 W |
|--|-------------|
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 4.29 kW |
| Annual energy consumption Qhe | 2812 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.48 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.52 |
| Cdh Tj = -15 °C | 0.900 |