

Subtype WPL 13/17 ACS classic

| | |
|---------------------|---|
| 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 13/17 ACS classic |
| Registration number | 011-1W0062 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 2 kg |
| Certification Date | 19.01.2017 |
| Testing basis | HP KEYMARK certification scheme rules rev. no. 6 |

Model WPL 13 ACS classic + HSBC 200, HSBC 200S

| | |
|-------------------------------------|--|
| Model name | WPL 13 ACS classic + HSBC 200, HSBC 200S |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | No |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 113 % |
| COP | 2.70 |
| Heating up time | 01:50 h:min |
| Standby power input | 35.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 245 l |

Model WPL 17 ACS classic + HSBC 200, HSBC 200S

| | |
|-------------------------------------|--|
| Model name | WPL 17 ACS classic + HSBC 200, HSBC 200S |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | No |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 113 % |
| COP | 2.70 |
| Heating up time | 01:50 h:min |
| Standby power input | 35.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 245 l |

Model WPL 13 ACS classic + HSBB 200, HSBB 200 S

| | |
|-------------------------------------|---|
| Model name | WPL 13 ACS classic + HSBB 200, HSBB 200 S |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | No |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 113 % |
| COP | 2.70 |
| Heating up time | 01:50 h:min |
| Standby power input | 35.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 245 l |

Model WPL 13 ACS classic, low temperature, all climates

| | |
|-------------------------------------|---|
| Model name | WPL 13 ACS classic, low temperature, all climates |
| Application | Heating (low 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 | 1x230V 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 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 177 % | |
| Prated | 6.80 kW | |
| SCOP | 4.50 | |
| Tbiv | -7 °C | |
| TOL | -10 °C | |
| Pdh Tj = -7°C | 6.02 kW | |
| COP Tj = -7°C | 2.90 | |
| Cdh Tj = -7 °C | 0.90 | |
| Pdh Tj = +2°C | 3.89 kW | |
| COP Tj = +2°C | 4.35 | |
| Cdh Tj = +2 °C | 0.90 | |
| Pdh Tj = +7°C | 3.50 kW | |
| COP Tj = +7°C | 6.60 | |
| Cdh Tj = +7 °C | 0.90 | |
| Pdh Tj = 12°C | 3.39 kW | |
| COP Tj = 12°C | 6.78 | |
| Cdh Tj = +12 °C | 0.90 | |
| Pdh Tj = Tbiv | 6.02 kW | |
| COP Tj = Tbiv | 2.90 | |

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|---|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 |
| WTOL | 60 °C |
| Poff | 17 W |
| PTO | 30 W |
| PSB | 17 W |
| PCK | 5 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.50 kW |
| Annual energy consumption Qhe | 3120 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 151 % | |
| Prated | 5.80 kW | |
| SCOP | 3.85 | |
| Tbiv | -15 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 3.51 kW | |
| COP Tj = -7°C | 3.30 | |
| Cdh Tj = -7 °C | 0.90 | |
| Pdh Tj = +2°C | 2.28 kW | |
| COP Tj = +2°C | 4.55 | |
| Cdh Tj = +2 °C | 0.90 | |
| Pdh Tj = +7°C | 2.79 kW | |
| COP Tj = +7°C | 5.81 | |
| Cdh Tj = +7 °C | 0.90 | |
| Pdh Tj = 12°C | 3.39 kW | |
| COP Tj = 12°C | 6.71 | |
| Cdh Tj = +12 °C | 0.90 | |
| Pdh Tj = Tbiv | 5.80 kW | |
| COP Tj = Tbiv | 2.70 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW | |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.40 | |
| WTOL | 60 °C | |
| Poff | 17 W | |
| PTO | 30 W | |
| PSB | 17 W | |

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|--|-------------|
| PCK | 5 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 5.80 kW |
| Annual energy consumption Q _{he} | 3713 kWh |
| P _{dh} T _j = -15°C (if TOL | 5.80 |
| COP T _j = -15°C (if TOL | 2.70 |
| C _{dh} T _j = -15 °C | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η _s | 213 % | |
| Prated | 6.30 kW | |
| SCOP | 5.41 | |
| T _{biv} | 2 °C | |
| TOL | 2 °C | |
| P _{dh} T _j = +2°C | 6.30 kW | |
| COP T _j = +2°C | 3.60 | |
| C _{dh} T _j = +2 °C | 0.90 | |
| P _{dh} T _j = +7°C | 4.10 kW | |
| COP T _j = +7°C | 5.25 | |
| C _{dh} T _j = +7 °C | 0.90 | |
| P _{dh} T _j = 12°C | 3.37 kW | |
| COP T _j = 12°C | 6.61 | |
| C _{dh} T _j = +12 °C | 0.90 | |
| P _{dh} T _j = T _{biv} | 6.30 kW | |
| COP T _j = T _{biv} | 3.60 | |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 6.30 kW | |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 3.60 | |
| WTOL | 60 °C | |
| P _{off} | 17 W | |
| PTO | 30 W | |
| PSB | 17 W | |
| PCK | 5 W | |
| Supplementary Heater: Type of energy input | Electricity | |
| Supplementary Heater: PSUP | 0.00 kW | |
| Annual energy consumption Q _{he} | 1556 kWh | |

Model WPL 17 ACS classic + HSBB 200, HSBB 200S

| | |
|-------------------------------------|--|
| Model name | WPL 17 ACS classic + HSBB 200, HSBB 200S |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | No |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 113 % |
| COP | 2.70 |
| Heating up time | 01:50 h:min |
| Standby power input | 35.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 245 l |

Model WPL 17 ACS classic, low temperature, all climates

| | |
|-------------------------------------|---|
| Model name | WPL 17 ACS classic, low temperature, all climates |
| Application | Heating (low 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 | 1x230V 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 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 177 % | |
| Prated | 9.19 kW | |
| SCOP | 4.50 | |
| Tbiv | -7 °C | |
| TOL | -10 °C | |
| Pdh Tj = -7°C | 8.13 kW | |
| COP Tj = -7°C | 2.72 | |
| Cdh Tj = -7 °C | 0.90 | |
| Pdh Tj = +2°C | 5.22 kW | |
| COP Tj = +2°C | 4.35 | |
| Cdh Tj = +2 °C | 0.90 | |
| Pdh Tj = +7°C | 3.50 kW | |
| COP Tj = +7°C | 6.60 | |
| Cdh Tj = +7 °C | 0.90 | |
| Pdh Tj = 12°C | 3.39 kW | |
| COP Tj = 12°C | 6.78 | |
| Cdh Tj = +12 °C | 0.90 | |
| Pdh Tj = Tbiv | 8.13 kW | |
| COP Tj = Tbiv | 2.72 | |

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| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.92 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64 |
| WTOL | 60 °C |
| Poff | 17 W |
| PTO | 30 W |
| PSB | 17 W |
| PCK | 5 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 1.27 kW |
| Annual energy consumption Qhe | 4218 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 147 % | |
| Prated | 8.70 kW | |
| SCOP | 3.75 | |
| Tbiv | -15 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 5.27 kW | |
| COP Tj = -7°C | 3.17 | |
| Cdh Tj = -7 °C | 0.90 | |
| Pdh Tj = +2°C | 3.21 kW | |
| COP Tj = +2°C | 4.46 | |
| Cdh Tj = +2 °C | 0.90 | |
| Pdh Tj = +7°C | 2.79 kW | |
| COP Tj = +7°C | 5.81 | |
| Cdh Tj = +7 °C | 0.90 | |
| Pdh Tj = 12°C | 3.39 kW | |
| COP Tj = 12°C | 6.71 | |
| Cdh Tj = +12 °C | 0.90 | |
| Pdh Tj = Tbiv | 7.10 kW | |
| COP Tj = Tbiv | 2.54 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.80 kW | |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.19 | |
| WTOL | 60 °C | |
| Poff | 17 W | |
| PTO | 30 W | |
| PSB | 17 W | |

| | |
|--|-------------|
| PCK | 5 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 8.70 kW |
| Annual energy consumption Q _{he} | 5722 kWh |
| P _{dh} T _j = -15°C (if TOL | 7.10 |
| COP T _j = -15°C (if TOL | 2.54 |
| C _{dh} T _j = -15 °C | 0.90 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η _s | 215 % | |
| Prated | 7.60 kW | |
| SCOP | 5.44 | |
| T _{biv} | 2 °C | |
| TOL | 2 °C | |
| P _{dh} T _j = +2°C | 7.60 kW | |
| COP T _j = +2°C | 3.44 | |
| C _{dh} T _j = +2 °C | 0.90 | |
| P _{dh} T _j = +7°C | 4.89 kW | |
| COP T _j = +7°C | 5.15 | |
| C _{dh} T _j = +7 °C | 0.90 | |
| P _{dh} T _j = 12°C | 3.37 kW | |
| COP T _j = 12°C | 6.61 | |
| C _{dh} T _j = +12 °C | 0.90 | |
| P _{dh} T _j = T _{biv} | 7.60 kW | |
| COP T _j = T _{biv} | 3.44 | |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 7.60 kW | |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 3.44 | |
| WTOL | 60 °C | |
| P _{off} | 17 W | |
| PTO | 30 W | |
| PSB | 17 W | |
| PCK | 5 W | |
| Supplementary Heater: Type of energy input | Electricity | |
| Supplementary Heater: PSUP | 0.00 kW | |
| Annual energy consumption Q _{he} | 1867 kWh | |

Model WPL 13 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile M"

| | |
|-------------------------------------|--|
| Model name | WPL 13 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile M" |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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} | 93 % |
| COP | 2.13 |
| Heating up time | 1:16 h:min |
| Standby power input | 39.6 W |
| Reference hot water temperature | 53.9 °C |
| Mixed water at 40°C | 262 l |

Model WPL 13 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile L"

| | |
|-------------------------------------|---|
| Model name | WPL 13 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile L" |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | L |
| Efficiency η_{DHW} | 102 % |
| COP | 2.43 |
| Heating up time | 2:15 h:min |
| Standby power input | 37.7 W |
| Reference hot water temperature | 54.0 °C |
| Mixed water at 40°C | 253 l |

Model WPL 17 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile M"

| | |
|-------------------------------------|---|
| Model name | WPL 17 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile M" |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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} | 93 % |
| COP | 2.12 |
| Heating up time | 01:16 h:min |
| Standby power input | 39.6 W |
| Reference hot water temperature | 53.9 °C |
| Mixed water at 40°C | 262 l |

Model WPL 17 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile L"

| | |
|-------------------------------------|--|
| Model name | WPL 17 ACS classic + HSBB/HSBC 180 (S) Plus (GB) "Profile L" |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 | L |
| Efficiency η_{DHW} | 102 % |
| COP | 2.43 |
| Heating up time | 02:15 h:min |
| Standby power input | 37.7 W |
| Reference hot water temperature | 54.0 °C |
| Mixed water at 40°C | 253 l |