

Subtype WPL 25 ACS

| | |
|---------------------|---|
| 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 25 ACS |
| Registration number | 011-1W0492 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 5.5 kg |
| Certification Date | 11.08.2016 |

Model WPL 25 ACS

| | |
|-------------------------------------|--------------------------------|
| Model name | WPL 25 ACS |
| 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 | 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 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 7.52 kW |
| El input | 1.66 kW | 2.33 kW |
| COP | 4.82 | 3.23 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 178 % | 139 % |
| Prated | 15.00 kW | 15.00 kW |
| SCOP | 4.53 | 3.55 |
| Tbiv | -5 °C | -5 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 13.00 kW | 13.26 kW |
| COP Tj = -7°C | 3.02 | 2.43 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.00 kW | 7.70 kW |
| COP Tj = +2°C | 4.40 | 3.37 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.10 kW | 7.90 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.64 | 4.45 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 8.11 | 6.66 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.80 kW | 12.40 kW |
| COP Tj = Tbiv | 3.18 | 2.53 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 13.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.87 | 2.28 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.40 kW | 1.60 kW |
| Annual energy consumption Qhe | 6839 kWh | 8723 kWh |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 154 % | 137 % |
| Prated | 21.00 kW | 22.00 kW |
| SCOP | 3.93 | 3.25 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 12.80 kW | 13.50 kW |
| COP Tj = -7°C | 3.21 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.10 kW | 7.90 kW |
| COP Tj = +2°C | 4.75 | 3.75 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.20 kW | 8.00 kW |
| COP Tj = +7°C | 5.95 | 4.86 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 8.11 | 6.95 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.80 kW | 13.50 kW |
| COP Tj = Tbiv | 3.21 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.40 kW | 19.30 kW |

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 2.38 |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 21.17 kW | 22.26 kW |
| Annual energy consumption Qhe | 13182 kWh | 16684 kWh |
| Pdh Tj = -15°C (if TOL | 17.40 | 19.30 |
| COP Tj = -15°C (if TOL | 2.80 | 2.38 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 236 % | 174 % |
| Prated | 8.00 kW | 7.00 kW |
| SCOP | 5.97 | 4.44 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.90 kW | 7.40 kW |
| COP Tj = +2°C | 3.89 | 2.59 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.10 kW | 7.70 kW |
| COP Tj = +7°C | 5.10 | 3.60 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 7.72 | 6.11 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.90 kW | 7.40 kW |
| COP Tj = Tbiv | 3.89 | 2.59 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.60 kW | 19.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.72 | 2.29 |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1789 kWh | 2107 kWh |

Model WPL 25 ACS + HSBC 300 cool " Profile M"

| | |
|-------------------------------------|---|
| Model name | WPL 25 ACS + HSBC 300 cool " 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} | 79 % |
| COP | 1.72 |
| Heating up time | 1:53 h:min |
| Standby power input | 79.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 350 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 | 8.00 kW | 7.52 kW |
| El input | 1.66 kW | 2.33 kW |
| COP | 4.82 | 3.23 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 178 % | 139 % |
| Prated | 15.00 kW | 15.00 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.55 |
| Tbiv | -5 °C | -5 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 13.00 kW | 13.26 kW |
| COP Tj = -7°C | 3.02 | 2.43 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.00 kW | 7.70 kW |
| COP Tj = +2°C | 4.40 | 3.37 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.10 kW | 7.90 kW |
| COP Tj = +7°C | 5.64 | 4.45 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 8.11 | 6.66 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.80 kW | 12.40 kW |
| COP Tj = Tbiv | 3.18 | 2.53 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 13.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.87 | 2.28 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.40 kW | 1.60 kW |
| Annual energy consumption Qhe | 6839 kWh | 8723 kWh |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 154 % | 137 % |
| Prated | 21.00 kW | 22.00 kW |
| SCOP | 3.93 | 3.25 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 12.80 kW | 13.50 kW |
| COP Tj = -7°C | 3.21 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.10 kW | 7.90 kW |
| COP Tj = +2°C | 4.75 | 3.75 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.20 kW | 8.00 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.95 | 4.86 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 8.11 | 6.95 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.80 kW | 13.50 kW |
| COP Tj = Tbiv | 3.21 | 2.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.40 kW | 19.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 2.38 |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 21.17 kW | 22.26 kW |
| Annual energy consumption Qhe | 13182 kWh | 16684 kWh |
| Pdh Tj = -15°C (if TOL | 17.40 | 19.30 |
| COP Tj = -15°C (if TOL | 2.80 | 2.38 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 236 % | 174 % |
| Prated | 8.00 kW | 7.00 kW |
| SCOP | 5.97 | 4.44 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.90 kW | 7.40 kW |
| COP Tj = +2°C | 3.89 | 2.59 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.10 kW | 7.70 kW |
| COP Tj = +7°C | 5.10 | 3.60 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 7.72 | 6.11 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.90 kW | 7.40 kW |
| COP Tj = Tbiv | 3.89 | 2.59 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.60 kW | 19.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.72 | 2.29 |
| WTOL | 65 °C | 65 °C |

| | | |
|--|-------------|-------------|
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1789 kWh | 2107 kWh |

Model WPL 25 ACS + HSBC 300 cool " Profile XL"

| | |
|-------------------------------------|--|
| Model name | WPL 25 ACS + HSBC 300 cool " Profile XL" |
| 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 | XL |
| Efficiency η_{DHW} | 111 % |
| COP | 2.60 |
| Heating up time | 1:49 h:min |
| Standby power input | 79.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 362 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 | 8.00 kW | 7.52 kW |
| El input | 1.66 kW | 2.33 kW |
| COP | 4.82 | 3.23 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 178 % | 139 % |
| Prated | 15.00 kW | 15.00 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.55 |
| Tbiv | -5 °C | -5 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 13.00 kW | 13.26 kW |
| COP Tj = -7°C | 3.02 | 2.43 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.00 kW | 7.70 kW |
| COP Tj = +2°C | 4.40 | 3.37 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.10 kW | 7.90 kW |
| COP Tj = +7°C | 5.64 | 4.45 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 8.11 | 6.66 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.80 kW | 12.40 kW |
| COP Tj = Tbiv | 3.18 | 2.53 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 13.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.87 | 2.28 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.40 kW | 1.60 kW |
| Annual energy consumption Qhe | 6839 kWh | 8723 kWh |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 154 % | 137 % |
| Prated | 21.00 kW | 22.00 kW |
| SCOP | 3.93 | 3.25 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 12.80 kW | 13.50 kW |
| COP Tj = -7°C | 3.21 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.10 kW | 7.90 kW |
| COP Tj = +2°C | 4.75 | 3.75 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.20 kW | 8.00 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.95 | 4.86 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
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| WTOL | 65 °C | 65 °C |
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| Supplementary Heater: PSUP | 21.17 kW | 22.26 kW |
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| Cdh Tj = -15 °C | 0.90 | 0.90 |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 236 % | 174 % |
| Prated | 8.00 kW | 7.00 kW |
| SCOP | 5.97 | 4.44 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.90 kW | 7.40 kW |
| COP Tj = +2°C | 3.89 | 2.59 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 8.10 kW | 7.70 kW |
| COP Tj = +7°C | 5.10 | 3.60 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 9.10 kW | 9.00 kW |
| COP Tj = 12°C | 7.72 | 6.11 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.90 kW | 7.40 kW |
| COP Tj = Tbiv | 3.89 | 2.59 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 17.60 kW | 19.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.72 | 2.29 |
| WTOL | 65 °C | 65 °C |

| | | |
|--|-------------|-------------|
| Poff | 16 W | 16 W |
| PTO | 16 W | 16 W |
| PSB | 16 W | 16 W |
| PCK | 43 W | 43 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1789 kWh | 2107 kWh |