

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | | |
|---------------------|--|----------|------------|
| | IVT AirSplit 306/308/309-S | Reg. No. | 011-1W0570 |
| Certificate Holder | | | |
| | Bosch Thermoteknik AB | | |
| | Postfach 1012 | | 57328 |
| | Tranås | | Sweden |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | IVT AirSplit 306/308/309-S | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 1.3 kg | | |
| Certification Date | 22.12.2022 | | |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 10 (as of 2022-06) | | |

Model: IVT AirBox Split S 306-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split S 306-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 6.16 kW | 5 kW |
| El input | 1.3 kW | 1.92 kW |
| COP | 4.74 | 2.6 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
| SCOP | 6.31 | 4.17 |
| Tbiv | 4 °C | 3 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.98 kW | 6.93 kW |
| COP Tj = +2°C | 3.72 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 4.93 kW | 4.92 kW |
| COP Tj = +7°C | 5.45 | 3.37 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.44 kW | 3.15 kW |
| COP Tj = 12°C | 8.29 | 5.59 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

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| | | |
|---|----------|----------|
| Pdh Tj = Tbiv | 6.43 kW | 7.28 kW |
| COP Tj = Tbiv | 4.15 | 2.55 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.98 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.72 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 153 % | 106 % |
| Prated | 6 kW | 6 kW |
| SCOP | 3.89 | 2.72 |
| Tbiv | -12 °C | -13 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.72 kW | 3.57 kW |
| COP Tj = -7°C | 3.43 | 2.28 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.31 kW | 2.06 kW |
| COP Tj = +2°C | 4.83 | 3.44 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 2.89 kW | 2.6 kW |
| COP Tj = +7°C | 6.27 | 4.47 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.43 kW | 3.22 kW |
| COP Tj = 12°C | 8.11 | 6.04 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.34 kW | 4.36 kW |
| COP Tj = Tbiv | 2.74 | 1.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.11 kW | 3.46 kW |

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| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.81 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
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|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 182 % | 122 % |
| Prated | 6 kW | 6 kW |
| SCOP | 4.63 | 3.11 |
| Tbiv | -6 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.76 kW | 5.10 kW |
| COP Tj = -7°C | 2.88 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 3.16 kW | 3.10 kW |
| COP Tj = +2°C | 4.69 | 3.12 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.51 kW |
| COP Tj = +7°C | 6.04 | 4.00 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.22 kW |
| COP Tj = 12°C | 8.16 | 5.83 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.69 kW | 5.10 kW |
| COP Tj = Tbiv | 2.94 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.46 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| Annual energy consumption Qhe | 2678 kWh | 3981 kWh |

Model: IVT AirBox Split E6 306-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split E6 306-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 6.16 kW | 5 kW |
| El input | 1.3 kW | 1.92 kW |
| COP | 4.74 | 2.6 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
| SCOP | 6.31 | 4.17 |
| Tbiv | 4 °C | 3 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.98 kW | 6.93 kW |
| COP Tj = +2°C | 3.72 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 4.93 kW | 4.92 kW |
| COP Tj = +7°C | 5.45 | 3.37 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.44 kW | 3.15 kW |
| COP Tj = 12°C | 8.29 | 5.59 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

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| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 6.43 kW | 7.28 kW |
| COP Tj = Tbiv | 4.15 | 2.55 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.98 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.72 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
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| | Low temperature | Medium temperature |
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| η_s | 153 % | 106 % |
| Prated | 6 kW | 6 kW |
| SCOP | 3.89 | 2.72 |
| Tbiv | -12 °C | -13 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.72 kW | 3.57 kW |
| COP Tj = -7°C | 3.43 | 2.28 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.31 kW | 2.06 kW |
| COP Tj = +2°C | 4.83 | 3.44 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 2.89 kW | 2.6 kW |
| COP Tj = +7°C | 6.27 | 4.47 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.43 kW | 3.22 kW |
| COP Tj = 12°C | 8.11 | 6.04 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.34 kW | 4.36 kW |
| COP Tj = Tbiv | 2.74 | 1.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.11 kW | 3.46 kW |

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|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.81 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
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| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 182 % | 122 % |
| Prated | 6 kW | 6 kW |
| SCOP | 4.63 | 3.11 |
| Tbiv | -6 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.76 kW | 5.10 kW |
| COP Tj = -7°C | 2.88 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 3.16 kW | 3.10 kW |
| COP Tj = +2°C | 4.69 | 3.12 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.51 kW |
| COP Tj = +7°C | 6.04 | 4.00 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.22 kW |
| COP Tj = 12°C | 8.16 | 5.83 |
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|---|-------------|-------------|
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.67 | 1.40 |
| Cdh $T_j = TOL$ or Pdh $T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| Annual energy consumption Qhe | 2678 kWh | 3981 kWh |

Model: IVT AirModule Split E6 306-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirModule Split E6 306-S |
| Application | Heating + DHW + low temp |
| Units | Indoor + 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 | 6.16 kW | 5 kW |
| El input | 1.3 kW | 1.92 kW |
| COP | 4.74 | 2.6 |

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

Warmer Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
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| η_s | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
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| Tbiv | 4 °C | 3 °C |
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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.72 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
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| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.81 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
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Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
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| EN 14825 |
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| Cdh Tj = -7 °C | 0.99 | 1 |
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| COP Tj = +2°C | 4.69 | 3.12 |
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|---|-------------|-------------|
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.67 | 1.40 |
| Cdh $T_j = TOL$ or Pdh $T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
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| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| Annual energy consumption Qhe | 2678 kWh | 3981 kWh |

Domestic Hot Water (DHW)

Warmer Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 150 % |
| COP | 3.62 |
| Heating up time | 02:53 h:min |
| Standby power input | 35.1 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 275 l |

Colder Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.54 |
| Heating up time | 02:47 h:min |
| Standby power input | 43.6 W |
| Reference hot water temperature | 53.6 °C |
| Mixed water at 40°C | 273 l |

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 124 % |
| COP | 2.99 |
| Heating up time | 02:33 h:min |
| Standby power input | 41.5 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 274 l |

Model: IVT AirBox Split S 308-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split S 308-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 8.02 kW | 6.78 kW |
| El input | 1.71 kW | 2.52 kW |
| COP | 4.7 | 2.69 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| COP Tj = -7°C | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| COP Tj = +7°C | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.84 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 7 kW | 7 kW |
| Annual energy consumption Qhe | 4422 kWh | 6273 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.23 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.34 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| COP Tj = +7°C | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |

Model: IVT AirBox Split E6 308-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split E6 308-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 8.02 kW | 6.78 kW |
| El input | 1.71 kW | 2.52 kW |
| COP | 4.7 | 2.69 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| COP Tj = -7°C | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| COP Tj = +7°C | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.84 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 7 kW | 7 kW |
| Annual energy consumption Qhe | 4422 kWh | 6273 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.23 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.34 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| COP Tj = +7°C | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |

Model: IVT AirModule Split E6 308-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirModule Split E6 308-S |
| Application | Heating + DHW + low temp |
| Units | Indoor + 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 | 8.02 kW | 6.78 kW |
| El input | 1.71 kW | 2.52 kW |
| COP | 4.7 | 2.69 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| COP Tj = -7°C | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| COP Tj = +7°C | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.84 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 7 kW | 7 kW |
| Annual energy consumption Qhe | 4422 kWh | 6273 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.23 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.34 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| COP Tj = +7°C | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.51 | 1.40 |
| Cdh $T_j = TOL$ or Pdh $T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |

Domestic Hot Water (DHW)

Warmer Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 150 % |
| COP | 3.62 |
| Heating up time | 02:53 h:min |
| Standby power input | 35.1 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 275 l |

Colder Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.54 |
| Heating up time | 02:47 h:min |
| Standby power input | 43.6 W |
| Reference hot water temperature | 53.6 °C |
| Mixed water at 40°C | 273 l |

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 124 % |
| COP | 2.99 |
| Heating up time | 02:33 h:min |
| Standby power input | 41.5 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 274 l |

Model: IVT AirBox Split S 309-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split S 309-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 8.92 kW | 7.87 kW |
| El input | 1.91 kW | 2.89 kW |
| COP | 4.68 | 2.72 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.92 kW | 6.31 kW |
| COP Tj = +7°C | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| Pdh Tj = Tbiv | 8.41 kW | 7.65 kW |
| COP Tj = Tbiv | 3.77 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.85 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.38 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.15 kW | 2.67 kW |
| Annual energy consumption Qhe | 2069 kWh | 2980 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.74 kW | 4.82 kW |
| COP Tj = -7°C | 3.2 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.98 kW | 2.84 kW |
| COP Tj = +2°C | 5.01 | 3.64 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.71 kW | 2.65 kW |
| COP Tj = +7°C | 6.11 | 4.7 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.79 kW | 5.10 kW |
| COP Tj = -7°C | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 4.78 kW | 4.58 kW |
| COP Tj = +2°C | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 2.89 kW | 2.57 kW |
| COP Tj = +7°C | 6.47 | 4.29 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|----------|----------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.50 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |

Model: IVT AirBox Split E6 309-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirBox Split E6 309-S |
| Application | Heating (medium temp) |
| Units | Indoor + 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 | 8.92 kW | 7.87 kW |
| El input | 1.91 kW | 2.89 kW |
| COP | 4.68 | 2.72 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.92 kW | 6.31 kW |
| COP Tj = +7°C | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 8.41 kW | 7.65 kW |
| COP Tj = Tbiv | 3.77 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.85 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.38 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.15 kW | 2.67 kW |
| Annual energy consumption Qhe | 2069 kWh | 2980 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.74 kW | 4.82 kW |
| COP Tj = -7°C | 3.2 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.98 kW | 2.84 kW |
| COP Tj = +2°C | 5.01 | 3.64 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.71 kW | 2.65 kW |
| COP Tj = +7°C | 6.11 | 4.7 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.79 kW | 5.10 kW |
| COP Tj = -7°C | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 4.78 kW | 4.58 kW |
| COP Tj = +2°C | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 2.89 kW | 2.57 kW |
| COP Tj = +7°C | 6.47 | 4.29 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.50 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |

Model: IVT AirModule Split E6 309-S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | IVT AirModule Split E6 309-S |
| Application | Heating + DHW + low temp |
| Units | Indoor + 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 | 8.92 kW | 7.87 kW |
| El input | 1.91 kW | 2.89 kW |
| COP | 4.68 | 2.72 |

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

Warmer Climate

This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.92 kW | 6.31 kW |
| COP Tj = +7°C | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 8.41 kW | 7.65 kW |
| COP Tj = Tbiv | 3.77 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.85 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.38 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.15 kW | 2.67 kW |
| Annual energy consumption Qhe | 2069 kWh | 2980 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.74 kW | 4.82 kW |
| COP Tj = -7°C | 3.2 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.98 kW | 2.84 kW |
| COP Tj = +2°C | 5.01 | 3.64 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.71 kW | 2.65 kW |
| COP Tj = +7°C | 6.11 | 4.7 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL<-20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.79 kW | 5.10 kW |
| COP Tj = -7°C | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 4.78 kW | 4.58 kW |
| COP Tj = +2°C | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 2.89 kW | 2.57 kW |
| COP Tj = +7°C | 6.47 | 4.29 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |

This information was generated by the HP KEYMARK database on 25 Feb 2023

| | | |
|---|-------------|-------------|
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.50 | 1.40 |
| Cdh $T_j = TOL$ or Pdh $T_j = T_{designh}$ if $TOL < T_{designh}$ | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |

Domestic Hot Water (DHW)

Warmer Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 150 % |
| COP | 3.62 |
| Heating up time | 02:53 h:min |
| Standby power input | 35.1 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 275 l |

Colder Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.54 |
| Heating up time | 02:47 h:min |
| Standby power input | 43.6 W |
| Reference hot water temperature | 53.6 °C |
| Mixed water at 40°C | 273 l |

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 124 % |
| COP | 2.99 |
| Heating up time | 02:33 h:min |
| Standby power input | 41.5 W |
| Reference hot water temperature | 53.8 °C |
| Mixed water at 40°C | 274 l |