

Subtype Carrier XP ENERGY T 14T AIO

| | |
|---------------------|---|
| Certificate Holder | Riello S.p.A. |
| Address | Via Ing. Pilade Riello 7 |
| ZIP | 37045 |
| City | Legnago (VR) |
| Country | IT |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Carrier XP ENERGY T 14T AIO |
| Registration number | 011-1W0712 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.4 kg |
| Certification Date | 24.10.2023 |
| Testing basis | HP KEYMARK certification scheme rules V12 |

Model 38AW140H9RT / 80AWX140M31RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140M31RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 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 | 14 kW | 15.5 kW |
| El input | 3.04 kW | 5.6 kW |
| COP | 4.6 | 2.77 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 138 % |

| | | |
|---|-------------|-------------|
| Prated | 11 kW | 11 kW |
| SCOP | 4.57 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.06 kW | 9.93 kW |
| COP Tj = -7°C | 2.68 | 2.21 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 6.23 kW | 6.24 kW |
| COP Tj = +2°C | 4.55 | 3.34 |
| Cdh Tj = +2 °C | 0.96 | 0.97 |
| Pdh Tj = +7°C | 3.97 kW | 3.86 kW |
| COP Tj = +7°C | 6.27 | 4.76 |
| Cdh Tj = +7 °C | 0.92 | 0.93 |
| Pdh Tj = 12°C | 4.28 kW | 4.24 kW |
| COP Tj = 12°C | 9.16 | 7.27 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 10.06 kW | 9.93 kW |
| COP Tj = Tbiv | 2.68 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.88 kW | 9.35 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.63 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.89 | 0.91 |
| WTOL | 65 °C | 65 °C |
| Poff | 11 W | 11 W |
| PTO | 52 W | 52 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.12 kW | 1.7 kW |
| Annual energy consumption Qhe | 5053 kWh | 6567 kWh |

Model 38AW140H9RT / 80AWX140M61RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140M61RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 l |

EN 14511-4 | Heating

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| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14 kW | 15.5 kW |
| El input | 3.04 kW | 5.6 kW |
| COP | 4.6 | 2.77 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 138 % |

| | | |
|---|-------------|-------------|
| Prated | 11 kW | 11 kW |
| SCOP | 4.57 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.06 kW | 9.93 kW |
| COP Tj = -7°C | 2.68 | 2.21 |
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| COP Tj = 12°C | 9.16 | 7.27 |
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| Pdh Tj = Tbiv | 10.06 kW | 9.93 kW |
| COP Tj = Tbiv | 2.68 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.88 kW | 9.35 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.63 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.89 | 0.91 |
| WTOL | 65 °C | 65 °C |
| Poff | 11 W | 11 W |
| PTO | 52 W | 52 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.12 kW | 1.7 kW |
| Annual energy consumption Qhe | 5053 kWh | 6567 kWh |

Model 38AW140H9RT / 80AWX140T61RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140T61RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14 kW | 15.5 kW |
| El input | 3.04 kW | 5.6 kW |
| COP | 4.6 | 2.77 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 138 % |

| | | |
|---|-------------|-------------|
| Prated | 11 kW | 11 kW |
| SCOP | 4.57 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.06 kW | 9.93 kW |
| COP Tj = -7°C | 2.68 | 2.21 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 6.23 kW | 6.24 kW |
| COP Tj = +2°C | 4.55 | 3.34 |
| Cdh Tj = +2 °C | 0.96 | 0.97 |
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| COP Tj = +7°C | 6.27 | 4.76 |
| Cdh Tj = +7 °C | 0.92 | 0.93 |
| Pdh Tj = 12°C | 4.28 kW | 4.24 kW |
| COP Tj = 12°C | 9.16 | 7.27 |
| Cdh Tj = +12 °C | 0.9 | 0.9 |
| Pdh Tj = Tbiv | 10.06 kW | 9.93 kW |
| COP Tj = Tbiv | 2.68 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.88 kW | 9.35 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.63 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.89 | 0.91 |
| WTOL | 65 °C | 65 °C |
| Poff | 11 W | 11 W |
| PTO | 52 W | 52 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.12 kW | 1.7 kW |
| Annual energy consumption Qhe | 5053 kWh | 6567 kWh |

Model 38AW140H9RT / 80AWX140M32RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140M32RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14 kW | 15.5 kW |
| El input | 3.04 kW | 5.6 kW |
| COP | 4.6 | 2.77 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 138 % |

| | | |
|---|-------------|-------------|
| Prated | 11 kW | 11 kW |
| SCOP | 4.57 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.06 kW | 9.93 kW |
| COP Tj = -7°C | 2.68 | 2.21 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 6.23 kW | 6.24 kW |
| COP Tj = +2°C | 4.55 | 3.34 |
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| COP Tj = +7°C | 6.27 | 4.76 |
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| Pdh Tj = Tbiv | 10.06 kW | 9.93 kW |
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| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.88 kW | 9.35 kW |
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| WTOL | 65 °C | 65 °C |
| Poff | 11 W | 11 W |
| PTO | 52 W | 52 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.12 kW | 1.7 kW |
| Annual energy consumption Qhe | 5053 kWh | 6567 kWh |

Model 38AW140H9RT / 80AWX140M62RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140M62RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14 kW | 15.5 kW |
| El input | 3.04 kW | 5.6 kW |
| COP | 4.6 | 2.77 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
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| η_s | 183 % | 138 % |

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| Prated | 11 kW | 11 kW |
| SCOP | 4.57 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.06 kW | 9.93 kW |
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| WTOL | 65 °C | 65 °C |
| Poff | 11 W | 11 W |
| PTO | 52 W | 52 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.12 kW | 1.7 kW |
| Annual energy consumption Qhe | 5053 kWh | 6567 kWh |

Model 38AW140H9RT / 80AWX140T62RTA

| | |
|-------------------------------------|------------------------------|
| Model name | 38AW140H9RT / 80AWX140T62RTA |
| 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 | XL |
| Efficiency η_{DHW} | 126 % |
| COP | 3.05 |
| Heating up time | 0:41 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 48.8 °C |
| Mixed water at 40°C | 220 l |

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Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
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EN 14511-2 | Heating

| | Low temperature | Medium temperature |
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| Heat output | 14 kW | 15.5 kW |
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| Sound power level indoor | 46 dB(A) | 46 dB(A) |
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