Login

| Summary of | Loria 6010 R32 | Reg. No. | 012-C700124 |
|---|---|---|---|
| Certificate Holder | | | |
| Name | Groupe Atlantic | | |
| Address | 44 boulevard des Etats-Unis | Zip | 85000 |
| City | La Roche Sur Yon | Country | France |
| Certification Body | RISE CERT | | |
| Subtype title | Loria 6010 R32 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 1.63 kg | | |
| Certification Date | 08.09.2021 | | |
| Testing basis | EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017 | | |

# Model: Loria 6010 R32

| Configure model | |
|---|---|
| Model name | Loria 6010 R32 |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 9.80 kW | 9.50 kW |
| El input | 2.16 kW | 3.33 kW |
| COP | 4.53 | 2.85 |

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

## Average Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 186 % | 139 % |
| Prated | 8.70 kW | 8.60 kW |
| SCOP | 4.73 | 3.54 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.70 kW | 7.60 kW |
| COP Tj = -7°C | 3.08 | 2.14 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.70 kW | 4.60 kW |
| COP Tj = +2°C | 4.63 | 3.46 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 3.80 kW | 3.60 kW |
| COP Tj = +7°C | 6.41 | 4.74 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 4.30 kW | 4.20 kW |
| COP Tj = 12°C | 7.11 | 6.40 |
| Cdh Tj = +12 °C | 0.970 | 0.970 |
| Pdh Tj = Tbiv | 7.70 kW | 7.60 kW |
| COP Tj = Tbiv | 3.08 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.30 kW | 7.70 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 4 W | 4 W |
| PTO | 20 W | 21 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 0.90 kW |
| Annual energy consumption Qhe | 3796 kWh | 5014 kWh |

# Model: Loria Duo 6010 R32

| Configure model | |
|---|---|
| Model name | Loria Duo 6010 R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 9.80 kW | 9.50 kW |
| El input | 2.16 kW | 3.33 kW |
| COP | 4.53 | 2.85 |

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

## Average Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 186 % | 139 % |
| Prated | 8.70 kW | 8.60 kW |
| SCOP | 4.73 | 3.54 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.70 kW | 7.60 kW |
| COP Tj = -7°C | 3.08 | 2.14 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.70 kW | 4.60 kW |
| COP Tj = +2°C | 4.63 | 3.46 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 3.80 kW | 3.60 kW |
| COP Tj = +7°C | 6.41 | 4.74 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 4.30 kW | 4.20 kW |
| COP Tj = 12°C | 7.11 | 6.40 |
| Cdh Tj = +12 °C | 0.970 | 0.970 |
| Pdh Tj = Tbiv | 7.70 kW | 7.60 kW |
| COP Tj = Tbiv | 3.08 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.30 kW | 7.70 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 4 W | 4 W |
| PTO | 20 W | 21 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 0.90 kW |
| Annual energy consumption Qhe | 3796 kWh | 5014 kWh |

## Domestic Hot Water (DHW)

## Average Climate

## EN 16147

| | | |
|---|---|---|
| Declared load profile | L | L |
| Efficiency ηDHW | 132 % | 132 % |
| COP | 3.30 | 3.30 |
| Heating up time | 1:15 h:min | 1:15 h:min |
| Standby power input | 35.0 W | 35.0 W |
| Reference hot water temperature | 52.5 °C | 52.5 °C |
| Mixed water at 40°C | 245 l | 245 l |

# Model: Loria Duo 6010 2C R32

| Configure model | |
|---|---|
| Model name | Loria Duo 6010 2C R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 9.80 kW | 9.50 kW |
| El input | 2.16 kW | 3.33 kW |
| COP | 4.53 | 2.85 |

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

## Average Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 186 % | 139 % |
| Prated | 8.70 kW | 8.60 kW |
| SCOP | 4.73 | 3.54 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.70 kW | 7.60 kW |
| COP Tj = -7°C | 3.08 | 2.14 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.70 kW | 4.60 kW |
| COP Tj = +2°C | 4.63 | 3.46 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 3.80 kW | 3.60 kW |
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|---|---|---|
| Pdh Tj = 12°C | 4.30 kW | 4.20 kW |
| COP Tj = 12°C | 7.11 | 6.40 |
| Cdh Tj = +12 °C | 0.970 | 0.970 |
| Pdh Tj = Tbiv | 7.70 kW | 7.60 kW |
| COP Tj = Tbiv | 3.08 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.30 kW | 7.70 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 4 W | 4 W |
| PTO | 20 W | 21 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 0.90 kW |
| Annual energy consumption Qhe | 3796 kWh | 5014 kWh |

## Domestic Hot Water (DHW)

## Average Climate

## EN 16147

| | | |
|---|---|---|
| Declared load profile | L | L |
| Efficiency ηDHW | 132 % | 132 % |
| COP | 3.30 | 3.30 |
| Heating up time | 1:15 h:min | 1:15 h:min |
| Standby power input | 35.0 W | 35.0 W |
| Reference hot water temperature | 52.5 °C | 52.5 °C |
| Mixed water at 40°C | 245 l | 245 l |