

## Subtype PACIFIC H-MAX 11

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Certificate Holder  | Groupe Atlantic                                            |
| Address             | 44 boulevard des Etats-Unis                                |
| ZIP                 | 85000                                                      |
| City                | La Roche Sur Yon                                           |
| Country             | FR                                                         |
| Certification Body  | RISE CERT                                                  |
| Subtype title       | PACIFIC H-MAX 11                                           |
| Registration number | 012-C700250                                                |
| Heat Pump Type      | Outdoor Air/Water                                          |
| Refrigerant         | R32                                                        |
| Mass of Refrigerant | 1.47 kg                                                    |
| Certification Date  | 06.02.2024                                                 |
| Testing basis       | EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022 |

## Model PACIFIC H-MAX 11

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | PACIFIC H-MAX 11      |
| Application                         | Heating (medium temp) |
| Units                               | Indoor, Outdoor       |
| Climate zone (for heating)          | n/a                   |
| 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 | 10.00 kW        | 10.00 kW           |
| El input    | 2.13 kW         | 3.40 kW            |
| COP         | 4.70            | 2.94               |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 40 dB(A)        | 40 dB(A)           |
| Sound power level outdoor | 57 dB(A)        | 57 dB(A)           |

### EN 14825 | Average Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 195 %           | 141 %              |
| Prated         | 10.20 kW        | 9.90 kW            |
| SCOP           | 4.94            | 3.60               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 9.00 kW         | 8.80 kW            |
| COP Tj = -7°C  | 3.06            | 2.16               |
| Cdh Tj = -7 °C | 0.990           | 0.990              |
| Pdh Tj = +2°C  | 5.50 kW         | 5.30 kW            |
| COP Tj = +2°C  | 4.92            | 3.53               |
| Cdh Tj = +2 °C | 0.980           | 0.980              |
| Pdh Tj = +7°C  | 4.00 kW         | 3.70 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C                                       | 6.61        | 4.87        |
| Cdh Tj = +7 °C                                      | 0.960       | 0.970       |
| Pdh Tj = 12°C                                       | 4.50 kW     | 4.40 kW     |
| COP Tj = 12°C                                       | 8.30        | 6.74        |
| Cdh Tj = +12 °C                                     | 0.960       | 0.960       |
| Pdh Tj = Tbiv                                       | 9.00 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 3.06        | 2.16        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71        | 1.94        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990       | 0.990       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 13 W        | 13 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 13 W        | 13 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.20 kW     | 1.90 kW     |
| Annual energy consumption Qhe                       | 4269 kWh    | 5685 kWh    |

## Model PACIFIC H-MAX +11

|                                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | PACIFIC H-MAX +11        |
| Application                         | Heating + DHW + low temp |
| Units                               | Indoor, Outdoor          |
| Climate zone (for heating)          | n/a                      |
| Cooling mode application (optional) | n/a                      |
| Any additional heat sources         | n/a                      |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 16147 | Average Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 124 %      |
| COP                             | 3.10       |
| Heating up time                 | 1:35 h:min |
| Standby power input             | 45.0 W     |
| Reference hot water temperature | 55.0 °C    |
| Mixed water at 40°C             | 238 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 | 10.00 kW        | 10.00 kW           |
| El input    | 2.13 kW         | 3.40 kW            |
| COP         | 4.70            | 2.94               |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 40 dB(A)        | 40 dB(A)           |
| Sound power level outdoor | 57 dB(A)        | 57 dB(A)           |

### EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 195 %           | 141 %              |
| Prated   | 10.20 kW        | 9.90 kW            |
| SCOP     | 4.94            | 3.60               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Tbiv                                                | -7 °C       | -7 °C       |
| TOL                                                 | -10 °C      | -10 °C      |
| Pdh Tj = -7°C                                       | 9.00 kW     | 8.80 kW     |
| COP Tj = -7°C                                       | 3.06        | 2.16        |
| Cdh Tj = -7 °C                                      | 0.990       | 0.990       |
| Pdh Tj = +2°C                                       | 5.50 kW     | 5.30 kW     |
| COP Tj = +2°C                                       | 4.92        | 3.53        |
| Cdh Tj = +2 °C                                      | 0.980       | 0.980       |
| Pdh Tj = +7°C                                       | 4.00 kW     | 3.70 kW     |
| COP Tj = +7°C                                       | 6.61        | 4.87        |
| Cdh Tj = +7 °C                                      | 0.960       | 0.970       |
| Pdh Tj = 12°C                                       | 4.50 kW     | 4.40 kW     |
| COP Tj = 12°C                                       | 8.30        | 6.74        |
| Cdh Tj = +12 °C                                     | 0.960       | 0.960       |
| Pdh Tj = Tbiv                                       | 9.00 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 3.06        | 2.16        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71        | 1.94        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990       | 0.990       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 13 W        | 13 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 13 W        | 13 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.20 kW     | 1.90 kW     |
| Annual energy consumption Qhe                       | 4269 kWh    | 5685 kWh    |