

## Subtype SHEEN EVO 2.0 PRM 45.2, 50.2, 55.2

|                     |                                    |
|---------------------|------------------------------------|
| Certificate Holder  | Clivet s.p.a.                      |
| Address             | Via camp lonc 25 c.ap.             |
| ZIP                 | I-32032                            |
| City                | z.i. Villapaiera - Feltre (BL)     |
| Country             | IT                                 |
| Certification Body  | ICIM S.p.A.                        |
| Subtype title       | SHEEN EVO 2.0 PRM 45.2, 50.2, 55.2 |
| Registration number | ICIM-PDC-000235                    |
| Heat Pump Type      | Outdoor Air/Water                  |
| Refrigerant         | R32                                |
| Mass of Refrigerant | 17.5 kg                            |
| Certification Date  | 25.01.2024                         |
| Testing basis       | V12                                |

## Model WiSAN-YSE1 PRM-SC 45.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-SC 45.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 118.50 kW       |                    |
| El input    | 31.35 kW        |                    |
| COP         | 3.78            |                    |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 84 dB(A)        |                    |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 161 %           |                    |
| Prated          | 79.13 kW        |                    |
| SCOP            | 4.11            |                    |
| Tbiv            | -7 °C           |                    |
| TOL             | -10 °C          |                    |
| Pdh Tj = -7°C   | 70.00 kW        |                    |
| COP Tj = -7°C   | 2.31            |                    |
| Cdh Tj = -7 °C  | 0.900           |                    |
| Pdh Tj = +2°C   | 42.61 kW        |                    |
| COP Tj = +2°C   | 4.16            |                    |
| Cdh Tj = +2 °C  | 0.900           |                    |
| Pdh Tj = +7°C   | 31.15 kW        |                    |
| COP Tj = +7°C   | 5.55            |                    |
| Cdh Tj = +7 °C  | 0.900           |                    |
| Pdh Tj = 12°C   | 25.20 kW        |                    |
| COP Tj = 12°C   | 7.00            |                    |
| Cdh Tj = +12 °C | 0.900           |                    |
| Pdh Tj = Tbiv   | 70.00 kW        |                    |
| COP Tj = Tbiv   | 2.31            |                    |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 67.44 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.15      |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900     |
| WTOL                                                | 35 °C     |
| Poff                                                | 135 W     |
| PTO                                                 | 200 W     |
| PSB                                                 | 135 W     |
| PCK                                                 | 135 W     |
| Supplementary Heater: Type of energy input          | n/a       |
| Supplementary Heater: PSUP                          | 11.69 kW  |
| Annual energy consumption Qhe                       | 39779 kWh |

## Model WiSAN-YSE1 PRM-EN 45.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-EN 45.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 99.50 kW        |                    |
| El input    | 26.05 kW        |                    |
| COP         | 3.82            |                    |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 79 dB(A)        |                    |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 160 %           |                    |
| Prated          | 71.22 kW        |                    |
| SCOP            | 4.07            |                    |
| Tbiv            | -7 °C           |                    |
| TOL             | -10 °C          |                    |
| Pdh Tj = -7°C   | 63.00 kW        |                    |
| COP Tj = -7°C   | 2.26            |                    |
| Cdh Tj = -7 °C  | 0.900           |                    |
| Pdh Tj = +2°C   | 38.35 kW        |                    |
| COP Tj = +2°C   | 4.16            |                    |
| Cdh Tj = +2 °C  | 0.900           |                    |
| Pdh Tj = +7°C   | 31.15 kW        |                    |
| COP Tj = +7°C   | 5.55            |                    |
| Cdh Tj = +7 °C  | 0.900           |                    |
| Pdh Tj = 12°C   | 25.20 kW        |                    |
| COP Tj = 12°C   | 7.00            |                    |
| Cdh Tj = +12 °C | 0.900           |                    |
| Pdh Tj = Tbiv   | 63.00 kW        |                    |
| COP Tj = Tbiv   | 2.26            |                    |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 60.69 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.10      |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900     |
| WTOL                                                | 35 °C     |
| Poff                                                | 135 W     |
| PTO                                                 | 200 W     |
| PSB                                                 | 135 W     |
| PCK                                                 | 135 W     |
| Supplementary Heater: Type of energy input          | n/a       |
| Supplementary Heater: PSUP                          | 10.52 kW  |
| Annual energy consumption Qhe                       | 36107 kWh |

## Model WiSAN-YSE1 PRM-SC 50.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-SC 50.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 130.50 kW       |                    |
| El input    | 35.27 kW        |                    |
| COP         | 3.70            |                    |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 85 dB(A)        |                    |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 160 %           |                    |
| Prated          | 85.00 kW        |                    |
| SCOP            | 4.07            |                    |
| Tbiv            | -7 °C           |                    |
| TOL             | -10 °C          |                    |
| Pdh Tj = -7°C   | 75.19 kW        |                    |
| COP Tj = -7°C   | 2.27            |                    |
| Cdh Tj = -7 °C  | 0.900           |                    |
| Pdh Tj = +2°C   | 45.77 kW        |                    |
| COP Tj = +2°C   | 4.07            |                    |
| Cdh Tj = +2 °C  | 0.900           |                    |
| Pdh Tj = +7°C   | 29.42 kW        |                    |
| COP Tj = +7°C   | 5.44            |                    |
| Cdh Tj = +7 °C  | 0.900           |                    |
| Pdh Tj = 12°C   | 13.08 kW        |                    |
| COP Tj = 12°C   | 7.00            |                    |
| Cdh Tj = +12 °C | 0.900           |                    |
| Pdh Tj = Tbiv   | 75.19 kW        |                    |
| COP Tj = Tbiv   | 2.27            |                    |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 72.44 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.12      |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900     |
| WTOL                                                | 35 °C     |
| Poff                                                | 135 W     |
| PTO                                                 | 200 W     |
| PSB                                                 | 135 W     |
| PCK                                                 | 135 W     |
| Supplementary Heater: Type of energy input          | n/a       |
| Supplementary Heater: PSUP                          | 12.56 kW  |
| Annual energy consumption Qhe                       | 43122 kWh |

## Model WiSAN-YSE1 PRM-EN 50.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-EN 50.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 105.70 kW       |                    |
| El input    | 28.04 kW        |                    |
| COP         | 3.77            |                    |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 80 dB(A)        |                    |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 158 %           |                    |
| Prated          | 74.61 kW        |                    |
| SCOP            | 4.02            |                    |
| Tbiv            | -7 °C           |                    |
| TOL             | -10 °C          |                    |
| Pdh Tj = -7°C   | 66.00 kW        |                    |
| COP Tj = -7°C   | 2.25            |                    |
| Cdh Tj = -7 °C  | 0.900           |                    |
| Pdh Tj = +2°C   | 40.17 kW        |                    |
| COP Tj = +2°C   | 4.07            |                    |
| Cdh Tj = +2 °C  | 0.900           |                    |
| Pdh Tj = +7°C   | 31.15 kW        |                    |
| COP Tj = +7°C   | 5.44            |                    |
| Cdh Tj = +7 °C  | 0.900           |                    |
| Pdh Tj = 12°C   | 25.20 kW        |                    |
| COP Tj = 12°C   | 7.00            |                    |
| Cdh Tj = +12 °C | 0.900           |                    |
| Pdh Tj = Tbiv   | 66.00 kW        |                    |
| COP Tj = Tbiv   | 2.25            |                    |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 63.58 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.08      |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900     |
| WTOL                                                | 35 °C     |
| Poff                                                | 135 W     |
| PTO                                                 | 200 W     |
| PSB                                                 | 135 W     |
| PCK                                                 | 135 W     |
| Supplementary Heater: Type of energy input          | n/a       |
| Supplementary Heater: PSUP                          | 11.03 kW  |
| Annual energy consumption Qhe                       | 38384 kWh |

## Model WiSAN-YSE1 PRM-SC 55.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-SC 55.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 139.00 kW       |                    |
| El input    | 38.29 kW        |                    |
| COP         | 3.63            |                    |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 85 dB(A)        |                    |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 159 %           |                    |
| Prated          | 90.00 kW        |                    |
| SCOP            | 4.04            |                    |
| Tbiv            | -7 °C           |                    |
| TOL             | -10 °C          |                    |
| Pdh Tj = -7°C   | 79.62 kW        |                    |
| COP Tj = -7°C   | 2.26            |                    |
| Cdh Tj = -7 °C  | 0.900           |                    |
| Pdh Tj = +2°C   | 48.46 kW        |                    |
| COP Tj = +2°C   | 4.05            |                    |
| Cdh Tj = +2 °C  | 0.900           |                    |
| Pdh Tj = +7°C   | 31.15 kW        |                    |
| COP Tj = +7°C   | 5.44            |                    |
| Cdh Tj = +7 °C  | 0.900           |                    |
| Pdh Tj = 12°C   | 25.20 kW        |                    |
| COP Tj = 12°C   | 7.00            |                    |
| Cdh Tj = +12 °C | 0.900           |                    |
| Pdh Tj = Tbiv   | 79.62 kW        |                    |
| COP Tj = Tbiv   | 2.26            |                    |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 76.70 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.10      |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900     |
| WTOL                                                | 35 °C     |
| Poff                                                | 135 W     |
| PTO                                                 | 200 W     |
| PSB                                                 | 135 W     |
| PCK                                                 | 135 W     |
| Supplementary Heater: Type of energy input          | n/a       |
| Supplementary Heater: PSUP                          | 13.30 kW  |
| Annual energy consumption Qhe                       | 46047 kWh |

## Model WiSAN-YSE1 PRM-EN 55.2

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | WiSAN-YSE1 PRM-EN 55.2 |
| Application                         | Heating (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     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

## EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 114.00 kW       |                    |
| El input    | 30.48 kW        |                    |
| COP         | 3.74            |                    |

## EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 80 dB(A)        |                    |