

## Subtype S-Therm Ontario SMH5-120 140 160

|                     |                                       |
|---------------------|---------------------------------------|
| Certificate Holder  | SINCLAIR Global Group s.r.o.          |
| Address             | Purkyňova 45                          |
| ZIP                 | 61200                                 |
| City                | Brno                                  |
| Country             | CZ                                    |
| Certification Body  | BRE Global Limited                    |
| Subtype title       | S-Therm Ontario SMH5-120 140 160      |
| Registration number | 041-K037-23                           |
| Heat Pump Type      | Outdoor Air/Water                     |
| Refrigerant         | R32                                   |
| Mass of Refrigerant | 2.2 kg                                |
| Certification Date  | 03.03.2023                            |
| Testing basis       | Heat Pump Keymark Scheme Rules Rev 11 |

## Model SMH5-120B \*/SMH-120IRBC2

|                                     |  |
|-------------------------------------|--|
| Model name                          | SMH5-120B */SMH-120IRBC2                       |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Outdoor  |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 $\eta_{DHW}$         | 110 %      |
| COP                             | 2.63       |
| Heating up time                 | 1:38 h:min |
| Standby power input             | 60.2 W     |
| Reference hot water temperature | 49.0 °C    |
| Mixed water at 40°C             | 325 l      |

## EN 16147 | Colder Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 87 %       |
| COP                             | 2.08       |
| Heating up time                 | 2:15 h:min |
| Standby power input             | 72.9 W     |
| Reference hot water temperature | 48.0 °C    |
| Mixed water at 40°C             | 330 l      |

## EN 16147 | Warmer Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 113 %      |
| COP                             | 2.71       |
| Heating up time                 | 1:40 h:min |
| Standby power input             | 57.8 W     |
| Reference hot water temperature | 49.0 °C    |
| Mixed water at 40°C             | 323 l      |

## Model SMH5-120B\*-3/SMH-120IRBC2-3

|                                     |  |
|-------------------------------------|--|
| Model name                          | SMH5-120B*-3/SMH-120IRBC2-3                    |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Outdoor  |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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 16147 | Average Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 110 %      |
| COP                             | 2.63       |
| Heating up time                 | 1:38 h:min |
| Standby power input             | 60.2 W     |
| Reference hot water temperature | 49.0 °C    |
| Mixed water at 40°C             | 325 l      |

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| Standby power input             | 57.8 W     |
| Reference hot water temperature | 49.0 °C    |
| Mixed water at 40°C             | 323 l      |

## Model SMH5-140B\*/SMH-140IRBC2

|                                     |  |
|-------------------------------------|--|
| Model name                          | SMH5-140B*/SMH-140IRBC2                        |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Outdoor  |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| 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

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## Model SMH5-140B\*-3/SMH-140IRBC2-3

|                                     |  |
|-------------------------------------|--|
| Model name                          | SMH5-140B*-3/SMH-140IRBC2-3                    |
| Application                         | Heating + DHW + low temp                       |
| Units                               | Outdoor  |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility                       | Yes  |
| Cooling mode application (optional) | n/a  |
| Any additional heat sources         | n/a  |

## General data

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## Model SMH5-160B\*/SMH-160IRBC2

|                                     |  |
|-------------------------------------|--|
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| Application                         | Heating + DHW + low temp                       |
| Units                               | Outdoor  |
| Climate zone (for heating)          | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility                       | Yes  |
| Cooling mode application (optional) | n/a  |
| Any additional heat sources         | n/a  |

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