



### Mechanical RCBO 2 Pole + PCB

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Representative product</b>                     | FRBM6-C40/2/003-G/A (Y7-196958)<br>Product Category: Differential circuit-breakers                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description of the product</b>                 | Eaton's mechanical RCBO - Residual-current circuit breaker with overcurrent protection is designed to provide circuit protection for low-voltage distribution systems. Eaton circuit breakers protect conductors against overloads and conductors and connected apparatus, such as motors and motor starters, against short circuits.                                                                                                                                                                                 |
| <b>Homogeneous Environmental Families Covered</b> | The PEP concerns following product offerings from Eaton residual-current circuit breaker with overcurrent protection as mentioned below:<br>Series: FRBM6, FRBmM, NmRB6, NmRBM, PKP62, PKPM2<br>Current Range: 6A, 10A, 13A, 15A, 16A, 20A, 25A, 32A, 40A<br>No of Poles: 2<br>Tripping Curves (MCB): B, C<br>Tripping Curves (RCD): A, F, G/A<br>Sensitivity: 30 mA, 100 mA<br>Differential protection type: A, F                                                                                                    |
| <b>Functional unit</b>                            | Protect the installation against overloads and short circuits and protect people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage 240V AC, rated current 40A, with 2 poles, a rated breaking capacity 6kA, the tripping curve C (MCB) / G/A (RCD), the sensitivity 30mA, and the differential protection type A, in the Industrial application area, according to the appropriate use scenario, and during the reference service life of the product of 20 years. |
| <b>Company information</b>                        | Eaton Electro Productie s.r.l, Independentei 8,<br>Sarbi, Romania, 437157<br>Email: <a href="mailto:productstewardship-es@eaton.com">productstewardship-es@eaton.com</a>                                                                                                                                                                                                                                                                                                                                              |

| Constituent Materials  |                                  |           |                |
|------------------------|----------------------------------|-----------|----------------|
| Reference product mass | 2.96E-01 kg (With packaging)     |           |                |
| Category PEP Material  | Materials                        | Mass (kg) | Percentage (%) |
| Plastic                | Polyamide                        | 8.54E-02  | 28.8%          |
| Metal                  | Steel                            | 8.23E-02  | 27.8%          |
| Metal                  | Copper                           | 4.74E-02  | 16.0%          |
| Metal                  | Stainless steel                  | 1.96E-02  | 6.6%           |
| Other                  | Corrugated Cardboard             | 1.68E-02  | 5.7%           |
| Other                  | Electronic Components            | 1.42E-02  | 4.8%           |
| Other                  | Wood                             | 5.83E-03  | 2.0%           |
| Plastic                | Poly Tetrafluoroethylene (PTFE)  | 5.31E-03  | 1.8%           |
| Other                  | Paper                            | 4.73E-03  | 1.6%           |
| Metal                  | Nickel                           | 3.00E-03  | 1.0%           |
| Plastic                | Polycarbonate                    | 2.78E-03  | 0.9%           |
| Plastic                | Polystyrene                      | 2.55E-03  | 0.9%           |
| Metal                  | Iron                             | 2.14E-03  | 0.7%           |
| Metal                  | Tin                              | 1.00E-03  | 0.3%           |
| Plastic                | Polybutylene Terephthalate (PBT) | 9.65E-04  | 0.3%           |
| Other                  | Miscellaneous                    | 2.18E-03  | 0.7%           |
| Total                  |                                  | 2.96E-01  | 100.0%         |

| Substance Assessment                                                                                                                                                                                                                             |
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| The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with Duty-to-declare and the product does contain Lead as Substance-of-Very-High-Concern (SVHC) on the Candidate List of the EU-REACH Regulation (1907/2006/EC). |

| Additional Environmental Information |                                                                                                                                                                                                                                                                                                                |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturing                        | The reference product is assembled at an Eaton plant Sarbi, Romania holding management system certifications according to ISO 14001 standards.                                                                                                                                                                 |
| Distribution                         | Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.                                                                                                                                                                                       |
| Installation                         | The installation process does not require any energy consumption and there is no waste other than the obsolete product packaging generated during this step.                                                                                                                                                   |
| Use                                  | Product do not need any maintenance during Use phase                                                                                                                                                                                                                                                           |
| End of life                          | The recyclability rate of the overall product is 84.27% if it is properly dismantled prior to shredding. The rate is calculated based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME). |

| Environmental Impacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                         |
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| <p>The calculation of the environmental impacts is the result of the Product's Life Cycle Analysis in accordance with ISO 14040/44, covering the entire lifecycle, i.e., "Cradle-to-Grave" including the following life cycle phases: production, distribution, installation, use and end of life.</p> <p>System modelling was carried out using the commercial LCA software EIME v6.2-22 with database version CODDE-2024-04.</p> <p>Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0</p> |                                                                                                                                                                                                                                                                                                                                                         |
| Manufacturing Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The product is assembled as well as packed at Eaton facility Eaton Electro Productie s.r.l, Independentei 8, Sarbi, Romania plant.<br>Energy model used: Romania, Europe                                                                                                                                                                                |
| Distribution Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Distribution of the product in its packaging from the Eaton's last logistics platform to the installation place in Europe is considered as per PCR rules.                                                                                                                                                                                               |
| Installation Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Product is installed in Europe. Installation of product and treatment of packaging waste are considered in this phase. There is no energy consumption for reference product.<br>Energy model used: Europe                                                                                                                                               |
| Use Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reference lifetime: 20 Years<br>Usage profile: The product has power loss of 6.7 W at full load condition. For Industrial applications considering 50% of the loading rate and 30% use time rate, total losses are 88.038 kWh over the 20 years.<br>Product do not require any maintenance/replacement during useful life.<br>Energy model used: Europe |
| End of life Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Product disposed with WEEE guidelines.<br>Energy model used: Europe                                                                                                                                                                                                                                                                                     |
| Module-D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario.<br>It expresses the net benefits and loads beyond the boundaries of the system and are not to be included in the life cycle totals.                                                                                    |

#### Environmental Impact Indicators: Mandatory

| Mandatory environmental impact indicators             | Units                  | Sum      | A1-A3 - Manufacturing | A4 - Distribution | A5 - Installation | B6 - Operational energy use | C1-C4 - End of life | D - Benefits and loads beyond the system boundaries |
|-------------------------------------------------------|------------------------|----------|-----------------------|-------------------|-------------------|-----------------------------|---------------------|-----------------------------------------------------|
| Depletion of abiotic resources – elements (ADP-e)     | kg equivalent Sb       | 3.91E-04 | 3.70E-04              | 2.78E-09          | 2.60E-09          | 1.10E-05                    | 9.41E-06            | -1.44E-04                                           |
| Depletion of abiotic resources - fossil fuels (ADP-f) | MJ                     | 8.82E+02 | 7.41E+01              | 9.86E-01          | 2.56E-01          | 7.83E+02                    | 2.29E+01            | -3.04E+01                                           |
| Acidification (AP)                                    | mole of H+ equiv       | 1.91E-01 | 2.90E-02              | 4.48E-04          | 9.82E-05          | 1.59E-01                    | 2.46E-03            | -1.41E-02                                           |
| Freshwater eutrophication (EP-fw)                     | kg P eq.               | 4.91E-04 | 1.20E-04              | 2.65E-08          | 2.95E-07          | 8.17E-05                    | 2.90E-04            | -3.18E-06                                           |
| Marine aquatic eutrophication (EP-m)                  | kg of N equiv          | 2.25E-02 | 2.49E-03              | 2.10E-04          | 3.36E-05          | 1.94E-02                    | 3.48E-04            | -1.22E-03                                           |
| Terrestrial eutrophication (EP-t)                     | mole of N equiv        | 3.40E-01 | 2.23E-02              | 2.30E-03          | 2.45E-04          | 3.11E-01                    | 4.04E-03            | -8.80E-03                                           |
| Climate change – total (GWP)                          | kg CO <sub>2</sub> eq. | 3.46E+01 | 3.00E+00              | 7.06E-02          | 7.00E-02          | 3.10E+01                    | 4.26E-01            | -1.20E+00                                           |

| Mandatory environmental impact indicators                      | Units                              | Sum      | A1-A3 - Manufacturing | A4 - Distribution | A5 - Installation | B6 - Operational energy use | C1-C4 - End of life | D - Benefits and loads beyond the system boundaries |
|----------------------------------------------------------------|------------------------------------|----------|-----------------------|-------------------|-------------------|-----------------------------|---------------------|-----------------------------------------------------|
| Climate change – biogenics (GWP-b)                             | kg CO <sub>2</sub> eq.             | 9.24E-02 | -1.60E-02             | 0.00E+00          | 4.19E-02          | 5.71E-02                    | 9.35E-03            | 1.87E-02                                            |
| Climate change - fossil fuels (GWP-f)                          | kg CO <sub>2</sub> eq.             | 3.45E+01 | 3.02E+00              | 7.06E-02          | 2.81E-02          | 3.10E+01                    | 4.16E-01            | -1.22E+00                                           |
| Climate change - land use and land use transformation (GWP-lu) | kg CO <sub>2</sub> eq.             | 4.06E-06 | 3.91E-06              | 0.00E+00          | 0.00E+00          | 0.00E+00                    | 1.54E-07            | -3.53E-06                                           |
| Ozone depletion (ODP)                                          | kg equivalent CFC-11               | 6.20E-06 | 6.04E-06              | 1.08E-10          | 1.31E-09          | 1.50E-07                    | 9.07E-09            | -6.70E-08                                           |
| Photochemical ozone formation (POCP)                           | kg of NMVOC equiv                  | 7.06E-02 | 7.85E-03              | 5.81E-04          | 6.34E-05          | 6.10E-02                    | 1.20E-03            | -3.27E-03                                           |
| Water scarcity (WDP)                                           | m3 of equiv. deprivation worldwide | 5.01E+00 | 1.94E+00              | 2.68E-04          | 9.50E-03          | 2.38E+00                    | 6.87E-01            | -1.12E+00                                           |

### Inventory Flow Indicators: Mandatory

| Inventory flow indicators                                                                                               | Units | Sum      | A1-A3 - Manufacturing | A4 - Distribution | A5 - Installation | B6 - Operational energy use | C1-C4 - End of life | D - Benefits and loads beyond the system boundaries |
|-------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------------------|-------------------|-------------------|-----------------------------|---------------------|-----------------------------------------------------|
| Use of renewable primary energy, excluding renewable primary energy resources used as raw materials                     | MJ    | 2.10E+02 | 2.50E+00              | 1.32E-03          | 1.68E-01          | 2.07E+02                    | 4.46E-01            | -2.77E-01                                           |
| Use of renewable primary energy resources used as raw materials                                                         | MJ    | 1.02E+00 | 1.02E+00              | 0.00E+00          | 0.00E+00          | 0.00E+00                    | 0.00E+00            | -3.45E-01                                           |
| Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)     | MJ    | 2.11E+02 | 3.53E+00              | 1.32E-03          | 1.68E-01          | 2.07E+02                    | 4.46E-01            | -6.22E-01                                           |
| Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials             | MJ    | 8.79E+02 | 7.16E+01              | 9.86E-01          | 2.56E-01          | 7.83E+02                    | 2.29E+01            | -2.86E+01                                           |
| Use of non-renewable primary energy resources used as raw materials                                                     | MJ    | 2.52E+00 | 2.52E+00              | 0.00E+00          | 0.00E+00          | 0.00E+00                    | 0.00E+00            | -1.86E+00                                           |
| Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) | MJ    | 8.82E+02 | 7.41E+01              | 9.86E-01          | 2.56E-01          | 7.83E+02                    | 2.29E+01            | -3.04E+01                                           |
| Use of secondary materials                                                                                              | kg    | 2.59E-06 | 2.59E-06              | 0.00E+00          | 0.00E+00          | 0.00E+00                    | 0.00E+00            | 0.00E+00                                            |
| Use of renewable secondary fuels                                                                                        | MJ    | 0.00E+00 | 0.00E+00              | 0.00E+00          | 0.00E+00          | 0.00E+00                    | 0.00E+00            | 0.00E+00                                            |

| Inventory flow indicators                              | Units                     | Sum      | A1-A3 -<br>Manufacturing | A4 -<br>Distribution | A5 -<br>Installation | B6 -<br>Operational<br>energy use | C1-C4 - End<br>of life | D - Benefits and<br>loads beyond<br>the system<br>boundaries |
|--------------------------------------------------------|---------------------------|----------|--------------------------|----------------------|----------------------|-----------------------------------|------------------------|--------------------------------------------------------------|
| Use of non-renewable<br>secondary fuels                | MJ                        | 0.00E+00 | 0.00E+00                 | 0.00E+00             | 0.00E+00             | 0.00E+00                          | 0.00E+00               | 0.00E+00                                                     |
| Net use of fresh water                                 | m3                        | 1.18E-01 | 4.53E-02                 | 6.25E-06             | 3.07E-04             | 5.59E-02                          | 1.70E-02               | -2.60E-02                                                    |
| Components for re-use                                  | kg                        | 0.00E+00 | 0.00E+00                 | 0.00E+00             | 0.00E+00             | 0.00E+00                          | 0.00E+00               | 0.00E+00                                                     |
| Materials for recycling                                | kg                        | 3.60E-01 | 1.10E-01                 | 0.00E+00             | 1.97E-02             | 0.00E+00                          | 2.30E-01               | -1.02E-08                                                    |
| Materials for energy recovery                          | kg                        | 5.69E-03 | 4.36E-04                 | 0.00E+00             | 3.87E-03             | 0.00E+00                          | 1.39E-03               | 0.00E+00                                                     |
| Exported energy                                        | MJ by<br>energy<br>vector | 2.16E-03 | 0.00E+00                 | 0.00E+00             | 2.16E-03             | 0.00E+00                          | 0.00E+00               | 0.00E+00                                                     |
| Hazardous waste disposed of                            | kg                        | 1.40E+01 | 1.24E+01                 | 0.00E+00             | 1.44E-03             | 1.36E+00                          | 2.86E-01               | -7.53E+00                                                    |
| Non-hazardous waste<br>disposed of                     | kg                        | 6.77E+00 | 1.44E+00                 | 2.48E-03             | 1.20E-02             | 5.24E+00                          | 7.56E-02               | -3.59E-01                                                    |
| Radioactive waste disposed of                          | kg                        | 2.55E-03 | 1.32E-03                 | 1.77E-06             | 1.33E-06             | 1.20E-03                          | 3.24E-05               | -1.07E-04                                                    |
| Biogenic carbon content of<br>the product              | kg of<br>C.               | 0.00E+00 | 0.00E+00                 | 0.00E+00             | 0.00E+00             | 0.00E+00                          | 0.00E+00               | 0.00E+00                                                     |
| Biogenic carbon content of<br>the associated packaging | kg of<br>C.               | 1.14E-02 | 1.14E-02                 | 0.00E+00             | 0.00E+00             | 0.00E+00                          | 0.00E+00               | -8.27E-03                                                    |

### Environmental Impact Indicators: Optional

| Optional Environmental<br>impact indicators             | Units                    | Sum      | A1-A3 -<br>Manufacturing | A4 -<br>Distribution | A5 -<br>Installation | B6 -<br>Operational<br>energy use | C1-C4 -<br>End of life | D - Benefits and<br>loads beyond the<br>system<br>boundaries |
|---------------------------------------------------------|--------------------------|----------|--------------------------|----------------------|----------------------|-----------------------------------|------------------------|--------------------------------------------------------------|
| Ecotoxicity, fresh water                                | CTUe                     | 8.25E+01 | 1.47E+01                 | 4.63E-02             | 3.15E-01             | 5.86E+01                          | 8.85E+00               | -3.58E+00                                                    |
| Human toxicity, cancer<br>effects                       | CTUh                     | 2.75E-07 | 2.69E-07                 | 1.24E-12             | 2.03E-09             | 3.90E-09                          | 5.73E-10               | -1.52E-07                                                    |
| Human toxicity, non-<br>cancer effects                  | CTUh                     | 3.63E-07 | 2.45E-07                 | 2.40E-11             | 7.54E-11             | 9.32E-08                          | 2.55E-08               | -1.19E-07                                                    |
| Ionizing radiation,<br>human health                     | kBq of U235<br>equiv.    | 6.90E+01 | 1.98E+01                 | 1.72E-04             | 4.52E+00             | 4.46E+01                          | 8.33E-02               | -1.25E+01                                                    |
| Impacts related to land<br>use/soil quality             | -                        | 2.09E+00 | 3.58E-01                 | 0.00E+00             | 5.67E-05             | 8.59E-01                          | 8.77E-01               | -9.83E-03                                                    |
| Emission of fine particles                              | incidence of<br>diseases | 1.55E-06 | 2.50E-07                 | 3.64E-09             | 5.58E-10             | 1.28E-06                          | 1.38E-08               | -1.20E-07                                                    |
| Total use of primary<br>energy during the life<br>cycle | MJ                       | 1.09E+03 | 7.76E+01                 | 9.88E-01             | 4.24E-01             | 9.91E+02                          | 2.34E+01               | -3.11E+01                                                    |

\*B6 is energy requirements during the use stage. Other sub modules in the use stage (B1-B5, B7) are equal to zero. So, it is not listed in the table.

To evaluate the environmental impact of other product covered by this PEP, multiply the impact figures by-

**Multiplying Factors for Manufacturing, Distribution, Installation, End-of-Life, and Module-D:**

| Part Number | Product Description             | Phases     | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------------------|------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-196958   | FRBm6-C40/2/003-G/A (Reference) | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-177873   | FRBM6-B25/2/003-LIA             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-177998   | FRBM6-B25/2/01-LIA              | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196981   | FRBm6-B32/2/003-F               | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196965   | FRBm6-B32/2/003-G/A             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170891   | FRBM6-B32/2/003-LIA             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170815   | FRBM6-B32/2/01-LIA              | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196982   | FRBm6-B40/2/003-F               | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196966   | FRBm6-B40/2/003-G/A             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170718   | FRBM6-B40/2/003-LIA             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170816   | FRBM6-B40/2/01-LIA              | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-177993   | FRBM6-C25/2/003-LIA             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-178004   | FRBM6-C25/2/01-LIA              | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196973   | FRBm6-C32/2/003-F               | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196957   | FRBm6-C32/2/003-G/A             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170801   | FRBM6-C32/2/003-LIA             | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170835   | FRBM6-C32/2/01-LIA              | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196974   | FRBm6-C40/2/003-F               | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description   | Phases     | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-170802   | FRBM6-C40/2/003-LIA   | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170836   | FRBM6-C40/2/01-LIA    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196980   | FRBmM-B25/2/003-F     | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196964   | FRBmM-B25/2/003-G/A   | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170890   | FRBMM-B25/2/003-LIA   | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170814   | FRBMM-B25/2/01-LIA    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196972   | FRBmM-C25/2/003-F     | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196956   | FRBmM-C25/2/003-G/A   | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170800   | FRBMM-C25/2/003-LIA   | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170834   | FRBMM-C25/2/01-LIA    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300127   | NmRB6-25/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300059   | NmRB6-25/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300128   | NmRB6-32/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300063   | NmRB6-32/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300129   | NmRB6-40/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300070   | NmRB6-40/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196948   | PKP62-25/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196928   | PKP62-25/2/B/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142376   | PKP62-25/2/B/003-LI/A | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description   | Phases     | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-142383   | PKP62-25/2/B/01-LI/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196938   | PKP62-25/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196918   | PKP62-25/2/C/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142390   | PKP62-25/2/C/003-LI/A | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142397   | PKP62-25/2/C/01-LI/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196949   | PKP62-32/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196929   | PKP62-32/2/B/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142377   | PKP62-32/2/B/003-LI/A | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142384   | PKP62-32/2/B/01-LI/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196939   | PKP62-32/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196919   | PKP62-32/2/C/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142391   | PKP62-32/2/C/003-LI/A | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142398   | PKP62-32/2/C/01-LI/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196950   | PKP62-40/2/B/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196930   | PKP62-40/2/B/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142378   | PKP62-40/2/B/003-LI/A | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142385   | PKP62-40/2/B/01-LI/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196940   | PKP62-40/2/C/003-F    | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196920   | PKP62-40/2/C/003-G/A  | All Phases | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description   | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-142392   | PKP62-40/2/C/003-LI/A | All Phases    | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142399   | PKP62-40/2/C/01-LI/A  | All Phases    | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-305153   | FRBMM-B16/3/003-A-RT  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177869   | FRBM6-B10/2/003-LIA   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177994   | FRBM6-B10/2/01-LIA    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177870   | FRBM6-B13/2/003-LIA   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177995   | FRBM6-B13/2/01-LIA    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177871   | FRBM6-B16/2/003-LIA   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177996   | FRBM6-B16/2/01-LIA    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-177872   | FRBM6-B20/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177997   | FRBM6-B20/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177989   | FRBM6-C10/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-178000   | FRBM6-C10/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177990   | FRBM6-C13/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-178001   | FRBM6-C13/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177991   | FRBM6-C16/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-178002   | FRBM6-C16/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177992   | FRBM6-C20/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-178003   | FRBM6-C20/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177988   | FRBM6-C6/2/003-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-177999   | FRBM6-C6/2/01-LIA   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196976   | FRBmM-B10/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196960   | FRBmM-B10/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170886   | FRBMM-B10/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170810   | FRBMM-B10/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196977   | FRBmM-B13/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196961   | FRBmM-B13/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170887   | FRBMM-B13/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170811   | FRBMM-B13/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196978   | FRBmM-B16/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196962   | FRBmM-B16/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170888   | FRBMM-B16/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                     |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-170812   |                     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             | FRBMM-B16/2/01-LIA  | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196979   | FRBmM-B20/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196963   | FRBmM-B20/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170889   | FRBMM-B20/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170813   | FRBMM-B20/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196968   | FRBmM-C10/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196952   | FRBmM-C10/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170796   | FRBMM-C10/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170830   |                     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             | FRBMM-C10/2/01-LIA  | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196969   | FRBmM-C13/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196953   | FRBmM-C13/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170797   | FRBMM-C13/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170831   | FRBMM-C13/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196970   | FRBmM-C16/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196954   | FRBmM-C16/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170798   | FRBMM-C16/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |

| Part Number | Product Description | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|---------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-170832   | FRBMM-C16/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196971   | FRBmM-C20/2/003-F   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196955   | FRBmM-C20/2/003-G/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170799   | FRBMM-C20/2/003-LIA | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170833   | FRBMM-C20/2/01-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196967   | FRBmM-C6/2/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196951   | FRBmM-C6/2/003-G/A  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                     | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170795   | FRBMM-C6/2/003-LIA  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                     | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |

| Part Number | Product Description   | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-170829   | FRBMM-C6/2/01-LIA     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300077   | NmRBM-10/2/B/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300017   | NmRBM-10/2/C/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300092   | NmRBM-13/2/B/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300035   | NmRBM-13/2/C/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300104   | NmRBM-15/2/B/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300037   | NmRBM-15/2/C/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300230   | NmRBM-16/2/B/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description   | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-300039   | NmRBM-16/2/C/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300119   | NmRBM-20/2/B/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300051   | NmRBM-20/2/C/003-F-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-300014   | NmRBM-6/2/C/003-F     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196942   | PKPM2-10/2/B/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196922   | PKPM2-10/2/B/003-G/A  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142372   | PKPM2-10/2/B/003-LI/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                       |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142379   |                       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description   | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-----------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             | PKPM2-10/2/B/01-LI/A  | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196932   | PKPM2-10/2/C/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196912   | PKPM2-10/2/C/003-G/A  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142386   | PKPM2-10/2/C/003-LI/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142393   | PKPM2-10/2/C/01-LI/A  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196943   | PKPM2-13/2/B/003-F    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196923   | PKPM2-13/2/B/003-G/A  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142373   | PKPM2-13/2/B/003-LI/A | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                       | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                       | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                       | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142380   |                       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |

| Part Number | Product Description      | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|--------------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             | PKPM2-13/2/B/01-LI/A     | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196933   | PKPM2-13/2/C/003-F       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196913   | PKPM2-13/2/C/003-G/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142387   | PKPM2-13/2/C/003-LI/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142394   | PKPM2-13/2/C/01-LI/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196944   | PKPM2-15/2/B/003-F-OL    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196924   | PKPM2-15/2/B/003-G/A-OL  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-144693   | PKPM2-15/2/B/003-LI/A-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |

| Part Number | Product Description      | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|--------------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
| Y7-196934   | PKPM2-15/2/C/003-F-OL    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196914   | PKPM2-15/2/C/003-G/A-OL  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-144694   | PKPM2-15/2/C/003-LI/A-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196945   | PKPM2-16/2/B/003-F       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196925   | PKPM2-16/2/B/003-G/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142374   | PKPM2-16/2/B/003-LI/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142381   | PKPM2-16/2/B/01-LI/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196935   | PKPM2-16/2/C/003-F       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |

| Part Number | Product Description     | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|-------------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196915   | PKPM2-16/2/C/003-G/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142388   | PKPM2-16/2/C/003-LI/A   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142395   | PKPM2-16/2/C/01-LI/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196946   | PKPM2-20/2/B/003-F      | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196947   | PKPM2-20/2/B/003-F-OL   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196926   | PKPM2-20/2/B/003-G/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196927   | PKPM2-20/2/B/003-G/A-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                         | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142375   | PKPM2-20/2/B/003-LI/A   | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                         | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                         | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description      | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|--------------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-148564   | PKPM2-20/2/B/003-LI/A-OL | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142382   | PKPM2-20/2/B/01-LI/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196936   | PKPM2-20/2/C/003-F       | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196937   | PKPM2-20/2/C/003-F-OL    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196916   | PKPM2-20/2/C/003-G/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-196917   | PKPM2-20/2/C/003-G/A-OL  | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-142389   | PKPM2-20/2/C/003-LI/A    | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
|             |                          |               |                   |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
| Y7-148565   |                          | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |

| Part Number | Product Description      | Phases        | ADP-e (kg Sb eq.) | ADP-f (MJ) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | GWP (kg CO2 eq.) | GWP-b (kg CO2 eq.) | GWP-f (kg CO2 eq.) | GWP-lu (kg CO2 eq.) | ODP (kg CFC-11 eq.) | POCP (kg NMVOC eq.) | WDP (m3 eq.) |
|-------------|--------------------------|---------------|-------------------|------------|-----------------|------------------|-----------------|------------------|------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------|
|             | PKPM2-20/2/C/003-LI/A-OL | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142396   | PKPM2-20/2/C/01-LI/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196931   | PKPM2-6/2/C/003-F        | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-196911   | PKPM2-6/2/C/003-G/A      | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |
| Y7-142371   | PKPM2-6/2/C/003-LI/A     | Manufacturing | 0.91              | 0.90       | 0.86            | 0.73             | 0.94            | 0.92             | 0.90             | 1.30               | 0.90               | 0.99                | 0.64                | 0.91                | 0.89         |
|             |                          | Distribution  | 0.90              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | Installation  | 1.00              |            |                 |                  |                 |                  |                  |                    |                    |                     |                     |                     |              |
|             |                          | End of Life   | 0.33              | 0.98       | 0.71            | 0.33             | 0.81            | 0.77             | 0.88             | 0.34               | 0.89               | 0.33                | 0.57                | 0.82                | 0.71         |
|             |                          | Module D      | 0.67              | 0.97       | 0.62            | 0.97             | 0.93            | 0.88             | 0.93             | 1.68               | 0.94               | 0.99                | 0.70                | 0.81                | 0.77         |

Multiplying Factors for Use Phase:

| Part Number | Product Description             | Heat Dissipation Current Dependent (100% Load rate) (W) | Use Phase Extrapolation Factor |
|-------------|---------------------------------|---------------------------------------------------------|--------------------------------|
| Y7-196958   | FRBM6-C40/2/003-G/A (Reference) | 6.7                                                     | 1.00                           |
| Y7-177869   | FRBM6-B10/2/003-LIA             | 4.3                                                     | 0.64                           |
| Y7-177994   | FRBM6-B10/2/01-LIA              | 4.3                                                     | 0.64                           |
| Y7-177870   | FRBM6-B13/2/003-LIA             | 4.0                                                     | 0.60                           |
| Y7-177995   | FRBM6-B13/2/01-LIA              | 4.0                                                     | 0.60                           |
| Y7-177871   | FRBM6-B16/2/003-LIA             | 5.0                                                     | 0.75                           |
| Y7-177996   | FRBM6-B16/2/01-LIA              | 5.0                                                     | 0.75                           |
| Y7-177872   | FRBM6-B20/2/003-LIA             | 5.9                                                     | 0.88                           |
| Y7-177997   | FRBM6-B20/2/01-LIA              | 5.9                                                     | 0.88                           |

| Part Number | Product Description | Heat Dissipation Current<br>Dependent (100% Load rate)<br>(W) | Use Phase Extrapolation<br>Factor |
|-------------|---------------------|---------------------------------------------------------------|-----------------------------------|
| Y7-177873   | FRBM6-B25/2/003-LIA | 4.6                                                           | 0.69                              |
| Y7-177998   | FRBM6-B25/2/01-LIA  | 4.6                                                           | 0.69                              |
| Y7-196981   | FRBm6-B32/2/003-F   | 5.5                                                           | 0.82                              |
| Y7-196965   | FRBm6-B32/2/003-G/A | 5.5                                                           | 0.82                              |
| Y7-170891   | FRBM6-B32/2/003-LIA | 5.5                                                           | 0.82                              |
| Y7-170815   | FRBM6-B32/2/01-LIA  | 5.5                                                           | 0.82                              |
| Y7-196982   | FRBm6-B40/2/003-F   | 6.7                                                           | 1.00                              |
| Y7-196966   | FRBm6-B40/2/003-G/A | 6.7                                                           | 1.00                              |
| Y7-170718   | FRBM6-B40/2/003-LIA | 6.7                                                           | 1.00                              |
| Y7-170816   | FRBM6-B40/2/01-LIA  | 6.7                                                           | 1.00                              |
| Y7-177989   | FRBM6-C10/2/003-LIA | 4.3                                                           | 0.64                              |
| Y7-178000   | FRBM6-C10/2/01-LIA  | 4.3                                                           | 0.64                              |
| Y7-177990   | FRBM6-C13/2/003-LIA | 4.0                                                           | 0.60                              |
| Y7-178001   | FRBM6-C13/2/01-LIA  | 4.0                                                           | 0.60                              |
| Y7-177991   | FRBM6-C16/2/003-LIA | 5.0                                                           | 0.75                              |
| Y7-177991   | FRBM6-C16/2/003-LIA | 5.0                                                           | 0.75                              |
| Y7-178002   | FRBM6-C16/2/01-LIA  | 5.0                                                           | 0.75                              |
| Y7-177992   | FRBM6-C20/2/003-LIA | 5.9                                                           | 0.88                              |
| Y7-178003   | FRBM6-C20/2/01-LIA  | 5.9                                                           | 0.88                              |
| Y7-177993   | FRBM6-C25/2/003-LIA | 4.6                                                           | 0.69                              |
| Y7-178004   | FRBM6-C25/2/01-LIA  | 4.6                                                           | 0.69                              |
| Y7-196973   | FRBm6-C32/2/003-F   | 5.5                                                           | 0.82                              |
| Y7-196957   | FRBm6-C32/2/003-G/A | 5.5                                                           | 0.82                              |
| Y7-170801   | FRBM6-C32/2/003-LIA | 5.5                                                           | 0.82                              |
| Y7-170835   | FRBM6-C32/2/01-LIA  | 5.5                                                           | 0.82                              |
| Y7-196974   | FRBm6-C40/2/003-F   | 6.7                                                           | 1.00                              |
| Y7-170802   | FRBM6-C40/2/003-LIA | 6.7                                                           | 1.00                              |
| Y7-170836   | FRBM6-C40/2/01-LIA  | 6.7                                                           | 1.00                              |
| Y7-177988   | FRBM6-C6/2/003-LIA  | 2.2                                                           | 0.33                              |
| Y7-177999   | FRBM6-C6/2/01-LIA   | 2.2                                                           | 0.33                              |
| Y7-196976   | FRBmM-B10/2/003-F   | 4.3                                                           | 0.64                              |
| Y7-196960   | FRBmM-B10/2/003-G/A | 4.3                                                           | 0.64                              |
| Y7-170886   | FRBMM-B10/2/003-LIA | 4.3                                                           | 0.64                              |
| Y7-170810   | FRBMM-B10/2/01-LIA  | 4.3                                                           | 0.64                              |
| Y7-196977   | FRBmM-B13/2/003-F   | 4.0                                                           | 0.60                              |
| Y7-196961   | FRBmM-B13/2/003-G/A | 4.0                                                           | 0.60                              |
| Y7-170887   | FRBMM-B13/2/003-LIA | 4.0                                                           | 0.60                              |
| Y7-170811   | FRBMM-B13/2/01-LIA  | 4.0                                                           | 0.60                              |
| Y7-196978   | FRBmM-B16/2/003-F   | 5.0                                                           | 0.75                              |
| Y7-196962   | FRBmM-B16/2/003-G/A | 5.0                                                           | 0.75                              |

| Part Number | Product Description | Heat Dissipation Current<br>Dependent (100% Load rate)<br>(W) | Use Phase Extrapolation<br>Factor |
|-------------|---------------------|---------------------------------------------------------------|-----------------------------------|
| Y7-170888   | FRBMM-B16/2/003-LIA | 5.0                                                           | 0.75                              |
| Y7-170812   | FRBMM-B16/2/01-LIA  | 5.0                                                           | 0.75                              |
| Y7-196979   | FRBmM-B20/2/003-F   | 5.9                                                           | 0.88                              |
| Y7-196963   | FRBmM-B20/2/003-G/A | 5.9                                                           | 0.88                              |
| Y7-170889   | FRBMM-B20/2/003-LIA | 5.9                                                           | 0.88                              |
| Y7-170813   | FRBMM-B20/2/01-LIA  | 5.9                                                           | 0.88                              |
| Y7-196980   | FRBmM-B25/2/003-F   | 4.6                                                           | 0.69                              |
| Y7-196964   | FRBmM-B25/2/003-G/A | 4.6                                                           | 0.69                              |
| Y7-170890   | FRBMM-B25/2/003-LIA | 4.6                                                           | 0.69                              |
| Y7-170814   | FRBMM-B25/2/01-LIA  | 4.6                                                           | 0.69                              |
| Y7-196968   | FRBmM-C10/2/003-F   | 4.3                                                           | 0.64                              |
| Y7-196952   | FRBmM-C10/2/003-G/A | 4.3                                                           | 0.64                              |
| Y7-170796   | FRBMM-C10/2/003-LIA | 4.3                                                           | 0.64                              |
| Y7-170830   | FRBMM-C10/2/01-LIA  | 4.3                                                           | 0.64                              |
| Y7-196969   | FRBmM-C13/2/003-F   | 4.0                                                           | 0.60                              |
| Y7-196953   | FRBmM-C13/2/003-G/A | 4.0                                                           | 0.60                              |
| Y7-170797   | FRBMM-C13/2/003-LIA | 4.0                                                           | 0.60                              |
| Y7-170831   | FRBMM-C13/2/01-LIA  | 4.0                                                           | 0.60                              |
| Y7-196970   | FRBmM-C16/2/003-F   | 5.0                                                           | 0.75                              |
| Y7-196954   | FRBmM-C16/2/003-G/A | 5.0                                                           | 0.75                              |
| Y7-170798   | FRBMM-C16/2/003-LIA | 5.0                                                           | 0.75                              |
| Y7-170832   | FRBMM-C16/2/01-LIA  | 5.0                                                           | 0.75                              |
| Y7-196971   | FRBmM-C20/2/003-F   | 5.9                                                           | 0.88                              |
| Y7-196955   | FRBmM-C20/2/003-G/A | 5.9                                                           | 0.88                              |
| Y7-170799   | FRBMM-C20/2/003-LIA | 5.9                                                           | 0.88                              |
| Y7-170833   | FRBMM-C20/2/01-LIA  | 5.9                                                           | 0.88                              |
| Y7-196972   | FRBmM-C25/2/003-F   | 4.6                                                           | 0.69                              |
| Y7-196956   | FRBmM-C25/2/003-G/A | 4.6                                                           | 0.69                              |
| Y7-170800   | FRBMM-C25/2/003-LIA | 4.6                                                           | 0.69                              |
| Y7-170834   | FRBMM-C25/2/01-LIA  | 4.6                                                           | 0.69                              |
| Y7-196967   | FRBmM-C6/2/003-F    | 2.2                                                           | 0.33                              |
| Y7-196951   | FRBmM-C6/2/003-G/A  | 2.2                                                           | 0.33                              |
| Y7-170795   | FRBMM-C6/2/003-LIA  | 2.2                                                           | 0.33                              |
| Y7-170829   | FRBMM-C6/2/01-LIA   | 2.2                                                           | 0.33                              |
| Y7-300127   | NmRB6-25/2/B/003-F  | 4.6                                                           | 0.69                              |
| Y7-300059   | NmRB6-25/2/C/003-F  | 4.6                                                           | 0.69                              |
| Y7-300128   | NmRB6-32/2/B/003-F  | 5.5                                                           | 0.82                              |
| Y7-300063   | NmRB6-32/2/C/003-F  | 5.5                                                           | 0.82                              |
| Y7-300129   | NmRB6-40/2/B/003-F  | 6.7                                                           | 1.00                              |
| Y7-300070   | NmRB6-40/2/C/003-F  | 6.7                                                           | 1.00                              |

| Part Number | Product Description   | Heat Dissipation Current<br>Dependent (100% Load rate)<br>(W) | Use Phase Extrapolation<br>Factor |
|-------------|-----------------------|---------------------------------------------------------------|-----------------------------------|
| Y7-300077   | NmRBM-10/2/B/003-F-OL | 4.3                                                           | 0.64                              |
| Y7-300017   | NmRBM-10/2/C/003-F-OL | 4.3                                                           | 0.64                              |
| Y7-300092   | NmRBM-13/2/B/003-F-OL | 4.0                                                           | 0.60                              |
| Y7-300035   | NmRBM-13/2/C/003-F-OL | 4.0                                                           | 0.60                              |
| Y7-300104   | NmRBM-15/2/B/003-F-OL | 5.2                                                           | 0.78                              |
| Y7-300037   | NmRBM-15/2/C/003-F-OL | 5.2                                                           | 0.78                              |
| Y7-300230   | NmRBM-16/2/B/003-F    | 5.0                                                           | 0.75                              |
| Y7-300039   | NmRBM-16/2/C/003-F    | 5.0                                                           | 0.75                              |
| Y7-300119   | NmRBM-20/2/B/003-F-OL | 5.9                                                           | 0.88                              |
| Y7-300051   | NmRBM-20/2/C/003-F-OL | 5.9                                                           | 0.88                              |
| Y7-300014   | NmRBM-6/2/C/003-F     | 2.2                                                           | 0.33                              |
| Y7-196948   | PKP62-25/2/B/003-F    | 4.6                                                           | 0.69                              |
| Y7-196928   | PKP62-25/2/B/003-G/A  | 4.6                                                           | 0.69                              |
| Y7-142376   | PKP62-25/2/B/003-LI/A | 4.6                                                           | 0.69                              |
| Y7-142383   | PKP62-25/2/B/01-LI/A  | 4.6                                                           | 0.69                              |
| Y7-196938   | PKP62-25/2/C/003-F    | 4.6                                                           | 0.69                              |
| Y7-196918   | PKP62-25/2/C/003-G/A  | 4.6                                                           | 0.69                              |
| Y7-142390   | PKP62-25/2/C/003-LI/A | 4.6                                                           | 0.69                              |
| Y7-142397   | PKP62-25/2/C/01-LI/A  | 4.6                                                           | 0.69                              |
| Y7-196949   | PKP62-32/2/B/003-F    | 5.5                                                           | 0.82                              |
| Y7-196929   | PKP62-32/2/B/003-G/A  | 5.5                                                           | 0.82                              |
| Y7-142377   | PKP62-32/2/B/003-LI/A | 5.5                                                           | 0.82                              |
| Y7-142384   | PKP62-32/2/B/01-LI/A  | 5.5                                                           | 0.82                              |
| Y7-196939   | PKP62-32/2/C/003-F    | 5.5                                                           | 0.82                              |
| Y7-196919   | PKP62-32/2/C/003-G/A  | 5.5                                                           | 0.82                              |
| Y7-142391   | PKP62-32/2/C/003-LI/A | 5.5                                                           | 0.82                              |
| Y7-142398   | PKP62-32/2/C/01-LI/A  | 5.5                                                           | 0.82                              |
| Y7-196950   | PKP62-40/2/B/003-F    | 6.7                                                           | 1.00                              |
| Y7-196930   | PKP62-40/2/B/003-G/A  | 6.7                                                           | 1.00                              |
| Y7-142378   | PKP62-40/2/B/003-LI/A | 6.7                                                           | 1.00                              |
| Y7-142385   | PKP62-40/2/B/01-LI/A  | 6.7                                                           | 1.00                              |
| Y7-196940   | PKP62-40/2/C/003-F    | 6.7                                                           | 1.00                              |
| Y7-196920   | PKP62-40/2/C/003-G/A  | 6.7                                                           | 1.00                              |
| Y7-142392   | PKP62-40/2/C/003-LI/A | 6.7                                                           | 1.00                              |
| Y7-142399   | PKP62-40/2/C/01-LI/A  | 6.7                                                           | 1.00                              |
| Y7-196942   | PKPM2-10/2/B/003-F    | 4.3                                                           | 0.64                              |
| Y7-196922   | PKPM2-10/2/B/003-G/A  | 4.3                                                           | 0.64                              |
| Y7-142372   | PKPM2-10/2/B/003-LI/A | 4.3                                                           | 0.64                              |
| Y7-142379   | PKPM2-10/2/B/01-LI/A  | 4.3                                                           | 0.64                              |
| Y7-196932   | PKPM2-10/2/C/003-F    | 4.3                                                           | 0.64                              |

| Part Number | Product Description      | Heat Dissipation Current<br>Dependent (100% Load rate)<br>(W) | Use Phase Extrapolation<br>Factor |
|-------------|--------------------------|---------------------------------------------------------------|-----------------------------------|
| Y7-196912   | PKPM2-10/2/C/003-G/A     | 4.3                                                           | 0.64                              |
| Y7-142386   | PKPM2-10/2/C/003-LI/A    | 4.3                                                           | 0.64                              |
| Y7-142393   | PKPM2-10/2/C/01-LI/A     | 4.3                                                           | 0.64                              |
| Y7-196943   | PKPM2-13/2/B/003-F       | 4.0                                                           | 0.60                              |
| Y7-196923   | PKPM2-13/2/B/003-G/A     | 4.0                                                           | 0.60                              |
| Y7-142373   | PKPM2-13/2/B/003-LI/A    | 4.0                                                           | 0.60                              |
| Y7-142380   | PKPM2-13/2/B/01-LI/A     | 4.0                                                           | 0.60                              |
| Y7-196933   | PKPM2-13/2/C/003-F       | 4.0                                                           | 0.60                              |
| Y7-196913   | PKPM2-13/2/C/003-G/A     | 4.0                                                           | 0.60                              |
| Y7-142387   | PKPM2-13/2/C/003-LI/A    | 4.0                                                           | 0.60                              |
| Y7-142394   | PKPM2-13/2/C/01-LI/A     | 4.0                                                           | 0.60                              |
| Y7-196944   | PKPM2-15/2/B/003-F-OL    | 5.2                                                           | 0.78                              |
| Y7-196924   | PKPM2-15/2/B/003-G/A-OL  | 5.2                                                           | 0.78                              |
| Y7-144693   | PKPM2-15/2/B/003-LI/A-OL | 5.2                                                           | 0.78                              |
| Y7-196934   | PKPM2-15/2/C/003-F-OL    | 5.2                                                           | 0.78                              |
| Y7-196914   | PKPM2-15/2/C/003-G/A-OL  | 5.2                                                           | 0.78                              |
| Y7-144694   | PKPM2-15/2/C/003-LI/A-OL | 5.2                                                           | 0.78                              |
| Y7-196945   | PKPM2-16/2/B/003-F       | 5.0                                                           | 0.75                              |
| Y7-196925   | PKPM2-16/2/B/003-G/A     | 5.0                                                           | 0.75                              |
| Y7-142374   | PKPM2-16/2/B/003-LI/A    | 5.0                                                           | 0.75                              |
| Y7-142381   | PKPM2-16/2/B/01-LI/A     | 5.0                                                           | 0.75                              |
| Y7-196935   | PKPM2-16/2/C/003-F       | 5.0                                                           | 0.75                              |
| Y7-196915   | PKPM2-16/2/C/003-G/A     | 5.0                                                           | 0.75                              |
| Y7-142388   | PKPM2-16/2/C/003-LI/A    | 5.0                                                           | 0.75                              |
| Y7-142395   | PKPM2-16/2/C/01-LI/A     | 5.0                                                           | 0.75                              |
| Y7-196946   | PKPM2-20/2/B/003-F       | 5.9                                                           | 0.88                              |
| Y7-196947   | PKPM2-20/2/B/003-F-OL    | 6.5                                                           | 0.97                              |
| Y7-196926   | PKPM2-20/2/B/003-G/A     | 5.9                                                           | 0.88                              |
| Y7-196927   | PKPM2-20/2/B/003-G/A-OL  | 6.5                                                           | 0.97                              |
| Y7-142375   | PKPM2-20/2/B/003-LI/A    | 5.9                                                           | 0.88                              |
| Y7-148564   | PKPM2-20/2/B/003-LI/A-OL | 5.9                                                           | 0.88                              |
| Y7-142382   | PKPM2-20/2/B/01-LI/A     | 5.9                                                           | 0.88                              |
| Y7-196936   | PKPM2-20/2/C/003-F       | 5.9                                                           | 0.88                              |
| Y7-196937   | PKPM2-20/2/C/003-F-OL    | 6.5                                                           | 0.97                              |
| Y7-196916   | PKPM2-20/2/C/003-G/A     | 5.9                                                           | 0.88                              |
| Y7-196917   | PKPM2-20/2/C/003-G/A-OL  | 6.5                                                           | 0.97                              |
| Y7-142389   | PKPM2-20/2/C/003-LI/A    | 5.9                                                           | 0.88                              |
| Y7-148565   | PKPM2-20/2/C/003-LI/A-OL | 5.9                                                           | 0.88                              |
| Y7-142396   | PKPM2-20/2/C/01-LI/A     | 5.9                                                           | 0.88                              |
| Y7-196931   | PKPM2-6/2/C/003-F        | 2.2                                                           | 0.33                              |

| Part Number | Product Description  | Heat Dissipation Current<br>Dependent (100% Load rate)<br>(W) | Use Phase Extrapolation<br>Factor |
|-------------|----------------------|---------------------------------------------------------------|-----------------------------------|
| Y7-196911   | PKPM2-6/2/C/003-G/A  | 2.2                                                           | 0.33                              |
| Y7-142371   | PKPM2-6/2/C/003-LI/A | 2.2                                                           | 0.33                              |

For part numbers intended for household/commercial as well, the Use Phase (B6) impacts of Industrial application of specific part number should be multiplied by 11.111 to calculate impacts for household/commercial application of that specific part number. The impact for other phases remains the same for all applications.

| Disclaimer                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| This Product Environmental Profile and its content is based on information available to us. It refers to the product at the date of issue. We make no express or implied representations or warranties with respect to the information contained herein. |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------|---------------------------------------------------------------------------------------|
| Registration Number                                                                                                                                          | EATO-00173-V01.01-EN | Drafting rules                      | PCR-ed4-EN-2021 09 06                                                                 |
| Verifier accreditation Number                                                                                                                                | VH54                 | Supplemented by                     | PSR-0005-ed3.1-EN-2023 12 08                                                          |
| Date of issue                                                                                                                                                | 06-2024              | Information and reference documents | <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>                  |
|                                                                                                                                                              |                      | Validity period                     | 5 years                                                                               |
| Independent verification of the declaration and data, in compliance with ISO 14025: 2006                                                                     |                      |                                     |                                                                                       |
| Internal                                                                                                                                                     | X                    | External                            |                                                                                       |
| The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)                                                                        |                      |                                     |  |
| PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019<br>The components of the present PEP may not be compared with components from any other program. |                      |                                     |                                                                                       |
| Document complies with ISO 14025: 2006 « Environmental labels and declarations. Type III environmental declarations »                                        |                      |                                     |                                                                                       |