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|---|---|---|
| Powering Business Worldwide | **Product Environmental Profile** | PEP ecopassport® |

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|---|---|
|  | **NZM4 Molded Case Circuit Breaker (IEC) with PXR Electronic Trip Unit and STD Technology** |

| | |
|---|---|
| **Representative product** | NZMH4-4-VX1600 (Y7-191361)<br>Product Category: Circuit Breakers |
| **Description of the product** | Eaton Moeller series NZM molded case circuit breaker with electronic trip unit is designed to protect the installation from overload and short circuits. It is used in unearthed supply systems up to 690 V. |
| **Homogeneous Environmental Families Covered** | The PEP concerns following product offerings from Eaton Moeller series NZM molded case circuit breaker with electronic trip unit as mentioned below:<br>• Series: NZM Circuit Breaker<br>• Switching Capacity: H (High), L (Limiter), N (Normal), S (Strong)<br>• Rated Current: 630A, 800A, 1000A, 1250A ,1600A<br>• No. of Poles: 3, 4<br>• Type of Release: L1-System Protection, Electronic (AX), L1 Motor-Motor Protection, Electronic (MX), L1 Motor -Selectivity and Generator Protection, Electronic (VX), L1 Motor-Motor Protection, Electronic, with measuring equipment (PMX)<br>• Additional Functions: T, TAZ |
| **Functional unit** | "Protect the installation from overloads and short circuits in a circuit with rated voltage 690V, rated current 1600A, with 4 poles, a rated breaking capacity 50 kA, and IP20 Rating, in the Industrial application area, according to the appropriate use scenario, and during the reference service life of the product of 20 years." |
| **Company information** | Eaton Electro Productie s.r.l,<br>Independentei 8, Sarbi, Romania, 437157<br>Email: productstewardship-es@eaton.com |

| Constituent Materials | | | |
|---|---|---|---|
| **Reference product mass** | 2.59E+01 Kg (With packaging) | | |
| **Category PEP Material** | **Material constituent** | **Mass (kg)** | **% Contribution** |
| Metal | Copper | 7.86E+00 | 30.3% |
| Plastic | Polycarbonate | 7.59E+00 | 29.3% |
| Metal | Steel | 4.01E+00 | 15.5% |
| Metal | Copper Wire | 1.39E+00 | 5.4% |
| Metal | Stainless Steel | 1.23E+00 | 4.8% |
| Other | Cardboard | 1.16E+00 | 4.5% |
| Plastic | Unsaturated Polystyrene | 6.90E-01 | 2.7% |
| Other | Wood | 5.83E-01 | 2.2% |
| Plastic | Polyphenylene Sulphide | 3.18E-01 | 1.2% |
| Other | Laminated Glass Fiber | 2.96E-01 | 1.1% |
| Plastic | Polyurethane | 2.62E-01 | 1.0% |
| Plastic | Polyamide66 with 30% Glass Fiber | 1.59E-01 | 0.6% |
| Other | Circuit Board Assembly | 1.20E-01 | 0.5% |
| Plastic | Polybutylene Terephthalate 70 with 30% Glass Fiber | 1.16E-01 | 0.4% |
| Metal | Silver | 5.80E-02 | 0.2% |
| Other | Miscellaneous | 9.10E-02 | 0.4% |
| Total | | 2.59E+01 | 100.0% |

| Substance Assessment |
|---|
| The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with exemption and the product does contain Lead, Perfluorobutane sulfonic acid (PFBS) and its salts as substance listed 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** | The product requires energy consumption during operation. |
| **End of life** | The recyclability rate of the overall product is 85.78% if it is properly dismantled prior to shredding. The rate is calculated based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME). |

| Environmental Impacts | |
|---|---|
| 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.<br>System modelling was carried out using the commercial LCA software EIME v6.2.3 with database version CODDE-2024-04.<br>Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0 | |
| **Manufacturing Phase** | The product is assembled as well as packed at Eaton facility in Romania.<br>Energy model used: Romania |
| **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 284 W at full load condition.<br>As per PSR-0005 section 3.2.2, for Industrial applications considering 50% of the loading rate and 30% of the use time rate, total losses are 3731.76 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. 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 |
|---|---|---|---|---|---|---|---|---|
| Climate change – total (GWP) | kg $CO_2$ eq. | 1.53E+03 | 1.66E+02 | 6.18E+00 | 4.76E+00 | 1.32E+03 | 3.47E+01 | -8.31E+01 |
| Climate change - fossil fuels (GWP-f) | kg $CO_2$ eq. | 1.52E+03 | 1.64E+02 | 6.18E+00 | 1.96E+00 | 1.31E+03 | 3.29E+01 | -8.18E+01 |
| Climate change – biogenics (GWP-b) | kg $CO_2$ eq. | 8.97E+00 | 1.94E+00 | 0.00E+00 | 2.80E+00 | 2.42E+00 | 1.81E+00 | -1.22E+00 |
| Climate change - land use and land use transformation (GWP-lu) | kg $CO_2$ eq. | 1.06E-02 | 1.05E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.99E-05 | -9.64E-03 |
| Ozone depletion (ODP) | kg eq. CFC-11 | 1.14E-04 | 1.06E-04 | 9.48E-09 | 2.54E-08 | 6.37E-06 | 1.17E-06 | -9.42E-06 |
| Acidification (AP) | mole of $H^+$ eq. | 9.79E+00 | 2.72E+00 | 3.92E-02 | 4.76E-03 | 6.74E+00 | 2.83E-01 | -1.66E+00 |
| Freshwater eutrophication (EP-fw) | kg P eq. | 8.22E-02 | 2.25E-02 | 2.32E-06 | 1.94E-05 | 3.46E-03 | 5.63E-02 | -3.07E-04 |

| 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 |
|---|---|---|---|---|---|---|---|---|
| Marine aquatic eutrophication (EP-m) | kg of N eq. | 1.01E+00 | 1.32E-01 | 1.84E-02 | 2.06E-03 | 8.21E-01 | 3.46E-02 | -5.74E-02 |
| Terrestrial eutrophication (EP-t) | mole of N eq. | 1.54E+01 | 1.53E+00 | 2.01E-01 | 1.47E-02 | 1.32E+01 | 4.19E-01 | -6.60E-01 |
| Photochemical ozone formation (POCP) | kg of NMVOC eq. | 3.35E+00 | 6.04E-01 | 5.08E-02 | 3.56E-03 | 2.58E+00 | 1.10E-01 | -2.99E-01 |
| Depletion of abiotic resources – elements (ADPe) | kg eq. Sb | 1.06E-01 | 1.04E-01 | 2.44E-07 | 7.39E-08 | 4.65E-04 | 1.83E-03 | -4.35E-02 |
| Depletion of abiotic resources - fossil fuels (ADP-f) | MJ | 3.82E+04 | 3.51E+03 | 8.63E+01 | 1.49E+01 | 3.32E+04 | 1.35E+03 | -1.62E+03 |
| Water scarcity (WDP) | $m^3$ of eq.. deprivation worldwide | 3.99E+02 | 1.93E+02 | 2.35E-02 | 1.45E-01 | 1.01E+02 | 1.05E+02 | -1.11E+02 |

**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 | 9.09E+03 | 2.39E+02 | 1.15E-01 | 4.95E+00 | 8.79E+03 | 5.87E+01 | -1.00E+02 |
| Use of renewable primary energy resources used as raw materials | MJ | 3.31E+01 | 3.31E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | -2.08E+01 |
| Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials) | MJ | 9.12E+03 | 2.72E+02 | 1.15E-01 | 4.95E+00 | 8.79E+03 | 5.87E+01 | -1.21E+02 |
| Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials | MJ | 3.79E+04 | 3.22E+03 | 8.63E+01 | 1.49E+01 | 3.32E+04 | 1.35E+03 | -1.39E+03 |
| Use of non-renewable primary energy resources used as raw materials | MJ | 2.83E+02 | 2.83E+02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | -2.25E+02 |
| Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) | MJ | 3.82E+04 | 3.51E+03 | 8.63E+01 | 1.49E+01 | 3.32E+04 | 1.35E+03 | -1.62E+03 |
| Use of secondary materials | kg | 2.58E-06 | 2.58E-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 |
| Use of non-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 |
| Net use of fresh water | m3 | 9.47E+00 | 4.50E+00 | 5.47E-04 | 9.37E-03 | 2.37E+00 | 2.60E+00 | -2.60E+00 |
| Hazardous waste disposed of | kg | 1.96E+03 | 1.88E+03 | 0.00E+00 | 1.41E-01 | 5.77E+01 | 2.44E+01 | -1.21E+03 |
| Non-hazardous waste disposed of | kg | 3.22E+02 | 9.42E+01 | 2.17E-01 | 7.35E-01 | 2.22E+02 | 4.84E+00 | -5.15E+01 |
| Radioactive waste disposed of | kg | 1.10E-01 | 5.74E-02 | 1.55E-04 | 9.61E-05 | 5.10E-02 | 1.01E-03 | -2.80E-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 | 2.87E+01 | 6.40E+00 | 0.00E+00 | 1.15E+00 | 0.00E+00 | 2.11E+01 | -2.35E-06 |
| Materials for energy recovery | kg | 4.60E-01 | 1.52E-02 | 0.00E+00 | 2.89E-01 | 0.00E+00 | 1.56E-01 | 0.00E+00 |

| 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 |
|---|---|---|---|---|---|---|---|---|
| Exported energy | MJ by energy vector | 1.94E-01 | 0.00E+00 | 0.00E+00 | 1.94E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Biogenic carbon content of the product | kg of 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 the associated packaging | kg of C. | 7.35E-01 | 7.35E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

**Environmental Impact Indicators: Optional**

| Optional 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 |
|---|---|---|---|---|---|---|---|---|
| Emission of fine particles | incidence of diseases | 7.62E-05 | 2.01E-05 | 3.19E-07 | 2.84E-08 | 5.42E-05 | 1.54E-06 | -1.21E-05 |
| Ionizing radiation, human health | kBq of $U^{235}$ eq. | 5.43E+03 | 3.51E+03 | 1.51E-02 | 1.83E+01 | 1.89E+03 | 7.43E+00 | -2.42E+03 |
| Ecotoxicity, fresh water | CTUe | 6.05E+03 | 1.88E+03 | 4.05E+00 | 2.09E+01 | 2.48E+03 | 1.66E+03 | -7.86E+02 |
| Human toxicity, cancer effects | CTUh | 1.72E-05 | 1.69E-05 | 1.09E-10 | 1.40E-07 | 1.65E-07 | 5.77E-08 | -9.89E-06 |
| Human toxicity, non-cancer effects | CTUh | 4.01E-05 | 3.17E-05 | 2.10E-09 | 4.72E-09 | 3.95E-06 | 4.44E-06 | -2.03E-05 |
| Impacts related to land use/soil quality | - | 3.03E+02 | 9.57E+01 | 0.00E+00 | 5.25E-03 | 3.64E+01 | 1.70E+02 | -2.69E+01 |
| Total use of primary energy during the life cycle | MJ | 4.73E+04 | 3.78E+03 | 8.64E+01 | 1.99E+01 | 4.20E+04 | 1.41E+03 | -1.74E+03 |

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

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

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y7-191361 (Reference) | NZMH4-4-VX1600 (Reference) | Manufacturing | 1.00 | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191475 | NZMH4-4-AX1000 | Manufacturing | 1.00 | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191476 | NZMH4-4-AX1000/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191477 | NZMH4-4-AX1250 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191478 | NZMH4-4-AX1250/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191353 | NZMH4-4-AX1600 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191354 | NZMH4-4-AX1600/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191473 | NZMH4-4-AX800 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191474 | NZMH4-4-AX800/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Module D | | | | | | | | | | | | | |
| Y7-189648 | NZMH4-4-PX1000/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189658 | NZMH4-4-PX1000/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189649 | NZMH4-4-PX1250/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189659 | NZMH4-4-PX1250/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189650 | NZMH4-4-PX1600/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189660 | NZMH4-4-PX1600/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189646 | NZMH4-4-PX630/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y7-189656 | NZMH4-4-PX630/VAR-TAZ | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189647 | NZMH4-4-PX800/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189657 | NZMH4-4-PX800/VAR-TAZ | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191357 | NZMH4-4-VX1000 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191358 | NZMH4-4-VX1000/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193325 | NZMH4-4-VX1000-T | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191359 | NZMH4-4-VX1250 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191360 | NZMH4-4-VX1250/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193326 | NZMH4-4-VX1250-T | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191362 | NZMH4-4-VX1600/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193327 | NZMH4-4-VX1600-T | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193345 | NZMH4-4-VX630/1250 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191355 | NZMH4-4-VX800 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193346 | NZMH4-4-VX800/1600 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191356 | NZMH4-4-VX800/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | 1.00 | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193324 | NZMH4-4-VX800-T | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191433 | NZMN4-4-AX1000 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191434 | NZMN4-4-AX1000/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191435 | NZMN4-4-AX1250 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191436 | NZMN4-4-AX1250/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191437 | NZMN4-4-AX1600 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191438 | NZMN4-4-AX1600/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | 1.00 | | | | | | |
| | | Installation | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191431 | NZMN4-4-AX800 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191432 | NZMN4-4-AX800/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189643 | NZMN4-4-PX1000/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189653 | NZMN4-4-PX1000/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189644 | NZMN4-4-PX1250/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189654 | NZMN4-4-PX1250/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189645 | NZMN4-4-PX1600/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Module D | | | | | | | | | | | | | |
| Y7-189655 | NZMN4-4-PX1600/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189641 | NZMN4-4-PX630/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189651 | NZMN4-4-PX630/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189642 | NZMN4-4-PX800/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-189652 | NZMN4-4-PX800/VAR-TAZ | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191441 | NZMN4-4-VX1000 | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191442 | NZMN4-4-VX1000/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y7-193321 | NZMN4-4-VX1000-T | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191443 | NZMN4-4-VX1250 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191444 | NZMN4-4-VX1250/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193322 | NZMN4-4-VX1250-T | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191445 | NZMN4-4-VX1600 | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191446 | NZMN4-4-VX1600/VAR | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193323 | NZMN4-4-VX1600-T | Manufacturing | | | | | | | 1.00 | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191439 | NZMN4-4-VX800 | Manufacturing | | | | | | | 1.00 | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191440 | NZMN4-4-VX800/VAR | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-193320 | NZMN4-4-VX800-T | Manufacturing | | | | | | | | | | | | | |
| | | Distribution | | | | | | | | | | | | | |
| | | Installation | | | | | | | 1.00 | | | | | | |
| | | End of Life | | | | | | | | | | | | | |
| | | Module D | | | | | | | | | | | | | |
| Y7-191449 | NZMH4-AX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191450 | NZMH4-AX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191451 | NZMH4-AX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191447 | NZMH4-AX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191448 | NZMH4-AX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191459 | NZMH4-MX1400 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191457 | NZMH4-MX550 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191458 | NZMH4-MX875 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189686 | NZMH4-PMX1400 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189684 | NZMH4-PMX550 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189685 | NZMH4-PMX875 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189608 | NZMH4-PX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189618 | NZMH4-PX1000-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189609 | NZMH4-PX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189619 | NZMH4-PX1250-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189610 | NZMH4-PX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189620 | NZMH4-PX1600-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189606 | NZMH4-PX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189616 | NZMH4-PX630-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189607 | NZMH4-PX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189617 | NZMH4-PX800-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191454 | NZMH4-VX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193317 | NZMH4-VX1000-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191455 | NZMH4-VX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193318 | NZMH4-VX1250-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191456 | NZMH4-VX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y7-193319 | NZMH4-VX1600-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191452 | NZMH4-VX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193315 | NZMH4-VX630-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191453 | NZMH4-VX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193316 | NZMH4-VX800-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191420 | NZMN4-AX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191421 | NZMN4-AX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191422 | NZMN4-AX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191418 | NZMN4-AX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191419 | NZMN4-AX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191430 | NZMN4-MX1400 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191428 | NZMN4-MX550 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191429 | NZMN4-MX875 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189683 | NZMN4-PMX1400 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189681 | NZMN4-PMX550 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189682 | NZMN4-PMX875 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189603 | NZMN4-PX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189613 | NZMN4-PX1000-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189604 | NZMN4-PX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189614 | NZMN4-PX1250-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189605 | NZMN4-PX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189615 | NZMN4-PX1600-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189601 | NZMN4-PX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189611 | NZMN4-PX630-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189602 | NZMN4-PX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-189612 | NZMN4-PX800-TAZ | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191425 | NZMN4-VX1000 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193312 | NZMN4-VX1000-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191426 | NZMN4-VX1250 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |

| Part Number | Product Description | Phases | GWP (kg $CO_2$ eq.) | GWP-f (kg $CO_2$ eq.) | GWP-b (kg $CO_2$ eq.) | GWP-lu (kg $CO_2$ eq.) | ODP (kg CFC-11 eq.) | AP (mol H+ eq.) | EP-fw (kg P eq.) | EP-m (kg N eq.) | EP-t (mol N eq.) | POCP (kg NMVOC eq.) | ADP-e (kg Sb eq.) | ADP-f (MJ) | WDP ($m^3$ eq.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193313 | NZMN4-VX1250-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191427 | NZMN4-VX1600 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193314 | NZMN4-VX1600-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191423 | NZMN4-VX630 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193310 | NZMN4-VX630-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-191424 | NZMN4-VX800 | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |
| Y7-193311 | NZMN4-VX800-T | Manufacturing | 0.78 | 0.78 | 0.66 | 0.77 | 0.75 | 0.76 | 0.76 | 0.78 | 0.78 | 0.77 | 0.76 | 0.78 | 0.78 |
| | | Distribution | 0.79 | | | | | | | | | | | | |
| | | Installation | 0.82 | 0.81 | 0.83 | 1.00 | 0.82 | 0.79 | 0.78 | 0.77 | 0.79 | 0.80 | 0.79 | 0.78 | 0.81 |
| | | End of Life | 0.77 | 0.77 | 0.76 | 0.75 | 0.76 | 0.76 | 0.75 | 0.78 | 0.76 | 0.76 | 0.75 | 0.77 | 0.88 |
| | | Module D | 0.78 | 0.78 | 0.72 | 0.77 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.75 | 0.78 | 0.78 |

**Multiplying Factors for Use Phase for homogenous products:**

| Part Number | Product Description | Use Phase Extrapolation Factors |
|---|---|---|
| Y7-191361 (Reference) | NZMH4-4-VX1600 (Reference) | 1.00 |
| Y7-191475 | NZMH4-4-AX1000 | 0.43 |
| Y7-191476 | NZMH4-4-AX1000/VAR | 0.43 |
| Y7-191477 | NZMH4-4-AX1250 | 0.61 |
| Y7-191478 | NZMH4-4-AX1250/VAR | 0.61 |
| Y7-191353 | NZMH4-4-AX1600 | 1.00 |
| Y7-191354 | NZMH4-4-AX1600/VAR | 1.00 |
| Y7-191473 | NZMH4-4-AX800 | 0.28 |
| Y7-191474 | NZMH4-4-AX800/VAR | 0.28 |
| Y7-189648 | NZMH4-4-PX1000/VAR | 0.43 |
| Y7-189658 | NZMH4-4-PX1000/VAR-TAZ | 0.43 |
| Y7-189649 | NZMH4-4-PX1250/VAR | 0.61 |
| Y7-189659 | NZMH4-4-PX1250/VAR-TAZ | 0.61 |
| Y7-189650 | NZMH4-4-PX1600/VAR | 1.00 |
| Y7-189660 | NZMH4-4-PX1600/VAR-TAZ | 1.00 |
| Y7-189646 | NZMH4-4-PX630/VAR | 0.17 |
| Y7-189656 | NZMH4-4-PX630/VAR-TAZ | 0.17 |
| Y7-189647 | NZMH4-4-PX800/VAR | 0.28 |
| Y7-189657 | NZMH4-4-PX800/VAR-TAZ | 0.28 |
| Y7-191357 | NZMH4-4-VX1000 | 0.43 |
| Y7-191358 | NZMH4-4-VX1000/VAR | 0.43 |
| Y7-193325 | NZMH4-4-VX1000-T | 0.43 |
| Y7-191359 | NZMH4-4-VX1250 | 0.61 |
| Y7-191360 | NZMH4-4-VX1250/VAR | 0.61 |
| Y7-193326 | NZMH4-4-VX1250-T | 0.61 |
| Y7-191362 | NZMH4-4-VX1600/VAR | 1.00 |
| Y7-193327 | NZMH4-4-VX1600-T | 1.00 |
| Y7-193345 | NZMH4-4-VX630/1250 | 0.17 |
| Y7-191355 | NZMH4-4-VX800 | 0.28 |
| Y7-193346 | NZMH4-4-VX800/1600 | 0.28 |
| Y7-191356 | NZMH4-4-VX800/VAR | 0.28 |
| Y7-193324 | NZMH4-4-VX800-T | 0.28 |
| Y7-191433 | NZMN4-4-AX1000 | 0.58 |
| Y7-191434 | NZMN4-4-AX1000/VAR | 0.58 |
| Y7-191435 | NZMN4-4-AX1250 | 0.61 |

| Part Number | Product Description | Use Phase Extrapolation Factors |
|---|---|---|
| Y7-191436 | NZMN4-4-AX1250/VAR | 0.61 |
| Y7-191437 | NZMN4-4-AX1600 | 1.00 |
| Y7-191438 | NZMN4-4-AX1600/VAR | 1.00 |
| Y7-191431 | NZMN4-4-AX800 | 0.37 |
| Y7-191432 | NZMN4-4-AX800/VAR | 0.37 |
| Y7-189643 | NZMN4-4-PX1000/VAR | 0.58 |
| Y7-189653 | NZMN4-4-PX1000/VAR-TAZ | 0.58 |
| Y7-189644 | NZMN4-4-PX1250/VAR | 0.61 |
| Y7-189654 | NZMN4-4-PX1250/VAR-TAZ | 0.61 |
| Y7-189645 | NZMN4-4-PX1600/VAR | 1.00 |
| Y7-189655 | NZMN4-4-PX1600/VAR-TAZ | 1.00 |
| Y7-189641 | NZMN4-4-PX630/VAR | 0.23 |
| Y7-189651 | NZMN4-4-PX630/VAR-TAZ | 0.23 |
| Y7-189642 | NZMN4-4-PX800/VAR | 0.37 |
| Y7-189652 | NZMN4-4-PX800/VAR-TAZ | 0.37 |
| Y7-191441 | NZMN4-4-VX1000 | 0.58 |
| Y7-191442 | NZMN4-4-VX1000/VAR | 0.58 |
| Y7-193321 | NZMN4-4-VX1000-T | 0.58 |
| Y7-191443 | NZMN4-4-VX1250 | 0.61 |
| Y7-191444 | NZMN4-4-VX1250/VAR | 0.61 |
| Y7-193322 | NZMN4-4-VX1250-T | 0.61 |
| Y7-191445 | NZMN4-4-VX1600 | 1.00 |
| Y7-191446 | NZMN4-4-VX1600/VAR | 1.00 |
| Y7-193323 | NZMN4-4-VX1600-T | 1.00 |
| Y7-191439 | NZMN4-4-VX800 | 0.37 |
| Y7-191440 | NZMN4-4-VX800/VAR | 0.37 |
| Y7-193320 | NZMN4-4-VX800-T | 0.37 |
| Y7-191449 | NZMH4-AX1000 | 0.43 |
| Y7-191450 | NZMH4-AX1250 | 0.61 |
| Y7-191451 | NZMH4-AX1600 | 1.00 |
| Y7-191447 | NZMH4-AX630 | 0.17 |
| Y7-191448 | NZMH4-AX800 | 0.28 |
| Y7-191459 | NZMH4-MX1400 | 0.77 |
| Y7-191457 | NZMH4-MX550 | 0.12 |
| Y7-191458 | NZMH4-MX875 | 0.30 |
| Y7-189686 | NZMH4-PMX1400 | 0.77 |
| Y7-189684 | NZMH4-PMX550 | 0.12 |
| Y7-189685 | NZMH4-PMX875 | 0.30 |
| Y7-189608 | NZMH4-PX1000 | 0.43 |

| Part Number | Product Description | Use Phase Extrapolation Factors |
|---|---|---|
| Y7-189618 | NZMH4-PX1000-TAZ | 0.43 |
| Y7-189609 | NZMH4-PX1250 | 0.61 |
| Y7-189619 | NZMH4-PX1250-TAZ | 0.61 |
| Y7-189610 | NZMH4-PX1600 | 1.00 |
| Y7-189620 | NZMH4-PX1600-TAZ | 1.00 |
| Y7-189606 | NZMH4-PX630 | 0.17 |
| Y7-189616 | NZMH4-PX630-TAZ | 0.17 |
| Y7-189607 | NZMH4-PX800 | 0.28 |
| Y7-189617 | NZMH4-PX800-TAZ | 0.28 |
| Y7-191454 | NZMH4-VX1000 | 0.43 |
| Y7-193317 | NZMH4-VX1000-T | 0.43 |
| Y7-191455 | NZMH4-VX1250 | 0.61 |
| Y7-193318 | NZMH4-VX1250-T | 0.61 |
| Y7-191456 | NZMH4-VX1600 | 1.00 |
| Y7-193319 | NZMH4-VX1600-T | 1.00 |
| Y7-191452 | NZMH4-VX630 | 0.17 |
| Y7-193315 | NZMH4-VX630-T | 0.17 |
| Y7-191453 | NZMH4-VX800 | 0.28 |
| Y7-193316 | NZMH4-VX800-T | 0.28 |
| Y7-191420 | NZMN4-AX1000 | 0.58 |
| Y7-191421 | NZMN4-AX1250 | 0.61 |
| Y7-191422 | NZMN4-AX1600 | 1.00 |
| Y7-191418 | NZMN4-AX630 | 0.23 |
| Y7-191419 | NZMN4-AX800 | 0.37 |
| Y7-191430 | NZMN4-MX1400 | 0.77 |
| Y7-191428 | NZMN4-MX550 | 0.12 |
| Y7-191429 | NZMN4-MX875 | 0.30 |
| Y7-189683 | NZMN4-PMX1400 | 0.77 |
| Y7-189681 | NZMN4-PMX550 | 0.12 |
| Y7-189682 | NZMN4-PMX875 | 0.30 |
| Y7-189603 | NZMN4-PX1000 | 0.58 |
| Y7-189613 | NZMN4-PX1000-TAZ | 0.58 |
| Y7-189604 | NZMN4-PX1250 | 0.61 |
| Y7-189614 | NZMN4-PX1250-TAZ | 0.61 |
| Y7-189605 | NZMN4-PX1600 | 1.00 |
| Y7-189615 | NZMN4-PX1600-TAZ | 1.00 |
| Y7-189601 | NZMN4-PX630 | 0.23 |
| Y7-189611 | NZMN4-PX630-TAZ | 0.23 |
| Y7-189602 | NZMN4-PX800 | 0.37 |

| Part Number | Product Description | Use Phase Extrapolation Factors |
|---|---|---|
| Y7-189612 | NZMN4-PX800-TAZ | 0.37 |
| Y7-191425 | NZMN4-VX1000 | 0.58 |
| Y7-193312 | NZMN4-VX1000-T | 0.58 |
| Y7-191426 | NZMN4-VX1250 | 0.61 |
| Y7-193313 | NZMN4-VX1250-T | 0.61 |
| Y7-191427 | NZMN4-VX1600 | 1.00 |
| Y7-193314 | NZMN4-VX1600-T | 1.00 |
| Y7-191423 | NZMN4-VX630 | 0.23 |
| Y7-193310 | NZMN4-VX630-T | 0.23 |
| Y7-191424 | NZMN4-VX800 | 0.37 |
| Y7-193311 | NZMN4-VX800-T | 0.37 |

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|---|
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| *Registration Number* | EATO-00230-V01.01-EN | *Drafting rules* | PCR-ed4-EN-2021 09 06 |
| *Verifier accreditation Number* | VH53 | Supplemented by | PSR-0005-ed3.1-EN-2023 08 12 |
| *Date of issue* | 11-2024 | *Information and reference documents* | www.pep-ecopassport.org |
| | | *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 »* | | | |