



Life Cycle Assessment of NZM3 Molded Case Circuit Breaker (IEC) with Thermo-Magnetic Trip Unit With or Without Box Terminal

Representative product	NZMH3-AE630 (Y7-259118) Product Category: Circuit Breakers
Description of the product	Eaton Moeller series NZM molded case circuit breaker with Thermomagnetic trip unit with or without box Terminal is designed to protect the installation from overload and short circuits. It is used in unearthed supply systems up to 690 V. It comes with Thermo-Magnetic Trip Unit
Homogeneous Environmental Families Covered	The PEP concerns following product offerings from Eaton Moeller series NZM molded case circuit breaker with Thermo-Magnetic Trip Unit as mentioned below: • Series: NZM Circuit Breaker • Switching Capacity: H (High), L (Limiter), N (Normal), S (Strong) • Rated Current – Classic full Electronics (VE): 250A, 400A, 630A. • Rated Current – Classic Motor Electronics (AE): 220A, 350A, 450A. • No. of Poles: 3, 4 • Terminal Type: With or Without Box Terminal
Functional unit	“Protect the installation from overloads and short circuits in a circuit with rated voltage 690V, rated current 630A, with 3 poles, a rated breaking capacity 9kA, 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, Independentei 8, Sarbi, Romania, 437157 Email: productstewardship-es@eaton.com

Constituent materials			
Reference product mass	7.3019 kg (with packaging)		
Category pep material	Material constituent	Mass (kg)	% contribution
Metals	Copper	1.81e+00	24.8%
Metals	Steel	1.50e+00	20.6%
Plastics	Unsaturated polyester resin	1.24e+00	17.0%
Plastics	Polycarbonate	9.01e-01	12.3%
Metals	Stainless steel	5.90e-01	8.1%
Plastics	Polyamide 66	3.78e-01	5.2%
Others	Cardboards	2.22e-01	3.0%
Others	Low density polyethylene	1.86e-01	2.5%
Plastics	Polyphenylene sulphide	1.64e-01	2.2%
Others	Wood	1.17e-01	1.6%
Others	Electronics	7.71e-02	1.1%
Metals	Silver	2.82e-02	0.4%
Plastics	Polybutylene terephthalate 70% and gf 30%	2.60e-02	0.4%
Others	Paper	1.50e-02	0.2%
Plastics	Glass fibre	1.20e-02	0.2%
Plastics	Miscellaneous	3.05e-02	0.4%
Total		7.30e+00	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, Diboron Trioxide, lead monoxide and Lead titanium zirconium oxide 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 71.81% 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. System modelling was carried out using the commercial LCA software EIME v6.2.3 with database version CODDE-2024-04-Updated on 2024-06-04. 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 Eaton Electro Productie s.r.l, Independentei 8, Sarbi, Romania plant. 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. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: The product has power loss of 119.07 W at full load condition. For Industrial applications considering 50% of the loading rate and 30% of the use time rate, total losses are 1564579.8 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. Industrial application is considered as per PSR-0005 section 3.2.2. Energy model used: Europe
End of life Phase	Product disposed with WEEE guidelines. 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 CO2 eq.	6.20E+02	5.63E+01	1.74E+00	1.04E+00	5.51E+02	9.67E+00	-1.99E+01
Climate change - fossil fuels (GWP-f)	kg CO2 eq.	6.18E+02	5.60E+01	1.74E+00	4.68E-01	5.50E+02	9.31E+00	-1.97E+01
Climate change – biogenics (GWP-b)	kg CO2 eq.	2.28E+00	3.35E-01	0.00E+00	5.69E-01	1.01E+00	3.58E-01	-1.67E-01
Climate change - land use and land use transformation (GWP-lu)	kg CO2 eq.	1.26E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	5.83E-06	-1.14E-03
Ozone depletion (ODP)	kg eq. CFC-11	8.91E-06	5.97E-06	2.67E-09	9.17E-09	2.67E-06	2.57E-07	-2.41E-06
Acidification (AP)	mole of H+ eq.	3.58E+00	6.74E-01	1.10E-02	1.44E-03	2.83E+00	6.80E-02	-3.43E-01
Freshwater eutrophication (EP-fw)	kg P eq.	1.71E-02	4.64E-03	6.53E-07	5.41E-06	1.45E-03	1.10E-02	-1.62E-04
Marine aquatic eutrophication (EP-m)	kg of N eq.	4.18E-01	5.77E-02	5.17E-03	5.07E-04	3.44E-01	1.03E-02	-1.46E-02

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
Terrestrial eutrophication (EP-t)	mole of N eq.	6.34E+00	6.52E-01	5.67E-02	4.17E-03	5.53E+00	1.03E-01	-1.53E-01
Photochemical ozone formation (POCP)	kg of NMVOC eq.	1.34E+00	2.17E-01	1.43E-02	9.94E-04	1.08E+00	2.92E-02	-6.81E-02
Depletion of abiotic resources – elements (ADPe)	kg eq. Sb	4.44E-02	4.38E-02	6.85E-08	2.42E-08	1.95E-04	3.57E-04	-1.74E-02
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	1.59E+04	1.43E+03	2.43E+01	4.40E+00	1.39E+04	4.79E+02	-5.04E+02
Water scarcity (WDP)	m3 of eq.. deprivation worldwide	1.33E+02	3.91E+01	6.61E-03	5.19E-02	4.22E+01	5.14E+01	-3.67E+01

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	3.75E+03	5.57E+01	3.24E-02	1.43E+00	3.68E+03	1.14E+01	-1.63E+01
Use of renewable primary energy resources used as raw materials	MJ	7.19E+00	7.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.17E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	3.76E+03	6.28E+01	3.24E-02	1.43E+00	3.68E+03	1.14E+01	-2.05E+01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	1.58E+04	1.34E+03	2.43E+01	4.40E+00	1.39E+04	4.79E+02	-4.63E+02
Use of non-renewable primary energy resources used as raw materials	MJ	8.83E+01	8.83E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.05E+01
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	1.59E+04	1.43E+03	2.43E+01	4.40E+00	1.39E+04	4.79E+02	-5.04E+02
Use of secondary materials	kg	2.48E-05	2.48E-05	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	3.22E+00	9.09E-01	1.54E-04	2.39E-03	9.93E-01	1.31E+00	-9.00E-01
Hazardous waste disposed of	kg	4.80E+02	4.49E+02	0.00E+00	5.46E-02	2.42E+01	6.80E+00	-2.74E+02
Non-hazardous waste disposed of	kg	1.18E+02	2.23E+01	6.11E-02	2.14E-01	9.31E+01	2.32E+00	-7.08E+00
Radioactive waste disposed of	kg	4.52E-02	2.34E-02	4.35E-05	2.72E-05	2.14E-02	3.50E-04	-3.93E-03

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
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	7.12E+00	1.86E+00	0.00E+00	3.10E-01	0.00E+00	4.95E+00	-2.64E-07
Materials for energy recovery	kg	2.24E-01	4.77E-03	0.00E+00	1.28E-01	0.00E+00	9.15E-02	0.00E+00
Exported energy	MJ by energy vector	3.94E-02	0.00E+00	0.00E+00	3.94E-02	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.	1.67E-01	1.67E-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	2.87E-05	5.47E-06	8.97E-08	9.03E-09	2.27E-05	3.60E-07	-2.77E-06
Ionizing radiation, human health	kBq of U235 eq.	1.51E+03	7.02E+02	4.24E-03	1.44E+01	7.93E+02	1.43E+00	-4.75E+02
Ecotoxicity, fresh water	CTUe	8.25E+03	6.87E+03	1.14E+00	5.23E+00	1.04E+03	3.29E+02	-5.96E+03
Human toxicity, cancer effects	CTUh	8.09E-06	7.98E-06	3.06E-11	2.73E-08	6.93E-08	1.20E-08	-4.67E-06
Human toxicity, non-cancer effects	CTUh	9.53E-06	6.96E-06	5.92E-10	1.38E-09	1.66E-06	9.11E-07	-4.43E-06
Impacts related to land use/soil quality	-	6.53E+01	1.65E+01	0.00E+00	1.47E-03	1.53E+01	3.36E+01	-3.42E+00
Total use of primary energy during the life cycle	MJ	1.96E+04	1.49E+03	2.43E+01	5.83E+00	1.76E+04	4.91E+02	-5.24E+02

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:

Product Number	Description	Phases	GWP	GWP- f	GWP- b	GWP- lu	ODP	AP	Ep- fw	Ep- m	Ep-t	POCP	ADP- e	ADP- f	WDP
Y7-259118 (Reference)	NZMH3-AE630	All Phase Except Use Phase	1.00												
Y7-265781	NZMN3-ME220	All Phase Except Use Phase	1.00												

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
Y7-259116	NZMH3-AE250	All Phase Except Use Phase	1.00												
Y7-259131	NZMN3-VE250	All Phase Except Use Phase	1.00												
Y7-259113	NZMN3-AE250	All Phase Except Use Phase	1.00												
Y7-265782	NZMN3-ME350	All Phase Except Use Phase	1.00												
Y7-110894	NZMH3-AE250-T	All Phase Except Use Phase	1.00												
Y7-110891	NZMN3-VE250-T	All Phase Except Use Phase	1.00												
Y7-110888	NZMN3-AE250-T	All Phase Except Use Phase	1.00												
Y7-259114	NZMN3-AE400	All Phase Except Use Phase	1.00												
Y7-259117	NZMH3-AE400	All Phase Except Use Phase	1.00												
Y7-110000	NZMS3-AE400	All Phase Except Use Phase	1.00												
Y7-110889	NZMN3-AE400-T	All Phase Except Use Phase	1.00												
Y7-259135	NZMH3-VE400	All Phase Except Use Phase	1.00												
Y7-259132	NZMN3-VE400	All Phase Except Use Phase	1.00												
Y7-110002	NZMS3-VE400	All Phase Except Use Phase	1.00												
Y7-110895	NZMH3-AE400-T	All Phase Except Use Phase	1.00												
Y7-113169	NZMS3-AE400-T	All Phase Except Use Phase	1.00												
Y7-265790	NZMH3-ME350	All Phase Except Use Phase	1.00												
Y7-110005	NZMS3-ME350	All Phase Except Use Phase	1.00												
Y7-110898	NZMH3-VE400-T	All Phase Except Use Phase	1.00												
Y7-110892	NZMN3-VE400-T	All Phase Except Use Phase	1.00												
Y7-113411	NZMS3-VE400-T	All Phase Except Use Phase	1.00												
Y7-259136	NZMH3-VE630	All Phase Except Use Phase	1.00												
Y7-110003	NZMS3-VE630	All Phase Except Use Phase	1.00												
Y7-284468	NZMN3-ME450	All Phase Except Use Phase	1.00												
Y7-110899	NZMH3-VE630-T	All Phase Except Use Phase	1.00												
Y7-113412	NZMS3-VE630-T	All Phase Except Use Phase	1.00												
Y7-259133	NZMN3-VE630	All Phase Except Use Phase	1.00												

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
Y7-110001	NZMS3-AE630	All Phase Except Use Phase	1.00												
Y7-110893	NZMN3-VE630-T	All Phase Except Use Phase	1.00												
Y7-110896	NZMH3-AE630-T	All Phase Except Use Phase	1.00												
Y7-113410	NZMS3-AE630-T	All Phase Except Use Phase	1.00												
Y7-259115	NZMN3-AE630	All Phase Except Use Phase	1.00												
Y7-110890	NZMN3-AE630-T	All Phase Except Use Phase	1.00												
Y7-119361	NZMH3-AE250-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119362	NZMH3-AE400-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119363	NZMH3-AE630-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265789	NZMH3-ME220	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119364	NZMH3-ME220-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119365	NZMH3-ME350-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-284469	NZMH3-ME450	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119366	NZMH3-ME450-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-259134	NZMH3-VE250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119367	NZMH3-VE400-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119368	NZMH3-VE630-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265797	NZML3-ME220	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265798	NZML3-ME350	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-259137	NZML3-VE250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-259138	NZML3-VE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110004	NZMS3-ME220	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110006	NZMS3-ME450	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119719	NZMH3-AE250-T-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119740	NZMH3-AE400-T-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-119741	NZMH3-AE630-T-S1	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110897	NZMH3-VE250-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111731	NZMH3-VE400-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111732	NZMH3-VE630-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111655	NZMN3-AE400-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111656	NZMN3-AE630-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111659	NZMN3-VE400-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111730	NZMN3-VE630-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265897	NZMH3-4-AE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265898	NZMH3-4-AE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265900	NZMH3-4-AE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265901	NZMH3-4-AE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
Y7-265963	NZMH3-4-VE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265964	NZMH3-4-VE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265966	NZMH3-4-VE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-155415	NZML3-4-VE250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265969	NZML3-4-VE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265970	NZML3-4-VE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265958	NZMN3-4-VE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265961	NZMN3-4-VE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110007	NZMS3-4-AE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110008	NZMS3-4-AE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110009	NZMS3-4-AE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110010	NZMS3-4-AE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110011	NZMS3-4-VE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110012	NZMS3-4-VE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110013	NZMS3-4-VE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110907	NZMH3-4-AE400/250-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110906	NZMH3-4-AE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110909	NZMH3-4-AE630/400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110908	NZMH3-4-AE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-150149	NZMH3-4-VE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-150400	NZMH3-4-VE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-150147	NZMN3-4-VE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-150148	NZMN3-4-VE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113414	NZMS3-4-AE400/250-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113413	NZMS3-4-AE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113416	NZMS3-4-AE630/400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113415	NZMS3-4-AE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113418	NZMS3-4-VE400/250-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113417	NZMS3-4-VE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113419	NZMS3-4-VE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265894	NZMN3-4-AE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265967	NZMH3-4-VE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110014	NZMS3-4-VE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110904	NZMN3-4-AE630-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-113420	NZMS3-4-VE630/400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265892	NZMN3-4-AE400/250	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265891	NZMN3-4-AE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110903	NZMN3-4-AE400/250-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-110902	NZMN3-4-AE400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265957	NZMN3-4-VE400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265895	NZMN3-4-AE630/400	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99

Product Number	Description	Phases	GWP	GWP-f	GWP-b	GWP-lu	ODP	AP	Ep-fw	Ep-m	Ep-t	POCP	ADP-e	ADP-f	WDP
Y7-110905	NZMN3-4-AE630/400-T	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-265960	NZMN3-4-VE630	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111657	NZMN3-4-AE400-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99
Y7-111658	NZMN3-4-AE630-BT	Manufacturing	0.97	0.97	0.74	1.00	0.96	0.91	0.87	0.96	0.96	0.95	0.99	0.98	0.92
		Distribution	0.97	0.97	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.96	0.96	0.86	0.86	0.89	0.92	0.86	0.95	0.93	0.94	0.86	0.99	0.96
		Module-D	0.98	1.06	-8.56	1.00	1.06	0.92	1.07	1.09	1.10	1.04	0.98	1.03	0.99

Multiplying Factors for Use Phase for homogenous products:

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-259118 (Reference)	NZMH3-AE630	1.00
Y7-119361	NZMH3-AE250-S1	0.16
Y7-119362	NZMH3-AE400-S1	0.40
Y7-119363	NZMH3-AE630-S1	1.00
Y7-265789	NZMH3-ME220	0.12

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-119364	NZMH3-ME220-S1	0.12
Y7-119365	NZMH3-ME350-S1	0.31
Y7-284469	NZMH3-ME450	0.51
Y7-119366	NZMH3-ME450-S1	0.51
Y7-259134	NZMH3-VE250	0.16
Y7-119367	NZMH3-VE400-S1	0.40
Y7-119368	NZMH3-VE630-S1	1.00
Y7-265797	NZML3-ME220	0.12
Y7-265798	NZML3-ME350	0.31
Y7-259137	NZML3-VE250	0.16
Y7-259138	NZML3-VE400	0.40
Y7-110004	NZMS3-ME220	0.12
Y7-110006	NZMS3-ME450	0.51
Y7-119719	NZMH3-AE250-T-S1	0.16
Y7-119740	NZMH3-AE400-T-S1	0.40
Y7-119741	NZMH3-AE630-T-S1	1.00
Y7-110897	NZMH3-VE250-T	1.00
Y7-265781	NZMN3-ME220	0.12
Y7-259116	NZMH3-AE250	0.16
Y7-259131	NZMN3-VE250	0.16
Y7-259113	NZMN3-AE250	0.16
Y7-265782	NZMN3-ME350	0.31
Y7-110894	NZMH3-AE250-T	0.16
Y7-110891	NZMN3-VE250-T	0.16
Y7-110888	NZMN3-AE250-T	0.16

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-259114	NZMN3-AE400	0.40
Y7-259117	NZMH3-AE400	0.40
Y7-110000	NZMS3-AE400	0.40
Y7-110889	NZMN3-AE400-T	0.61
Y7-259135	NZMH3-VE400	0.40
Y7-259132	NZMN3-VE400	0.40
Y7-110002	NZMS3-VE400	0.40
Y7-110895	NZMH3-AE400-T	0.61
Y7-113169	NZMS3-AE400-T	0.40
Y7-265790	NZMH3-ME350	0.31
Y7-110005	NZMS3-ME350	0.31
Y7-110898	NZMH3-VE400-T	0.40
Y7-110892	NZMN3-VE400-T	0.40
Y7-113411	NZMS3-VE400-T	0.40
Y7-259136	NZMH3-VE630	1.00
Y7-110003	NZMS3-VE630	1.00
Y7-284468	NZMN3-ME450	0.51
Y7-110899	NZMH3-VE630-T	1.00
Y7-113412	NZMS3-VE630-T	1.00
Y7-259133	NZMN3-VE630	1.00
Y7-110001	NZMS3-AE630	1.00
Y7-110893	NZMN3-VE630-T	1.00
Y7-110896	NZMH3-AE630-T	1.00
Y7-113410	NZMS3-AE630-T	1.00
Y7-259115	NZMN3-AE630	1.00

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-110890	NZMN3-AE630-T	1.00
Y7-111731	NZMH3-VE400-BT	0.40
Y7-111732	NZMH3-VE630-BT	1.00
Y7-111655	NZMN3-AE400-BT	0.40
Y7-111656	NZMN3-AE630-BT	1.00
Y7-111659	NZMN3-VE400-BT	0.40
Y7-111730	NZMN3-VE630-BT	1.00
Y7-265897	NZMH3-4-AE400	0.60
Y7-265898	NZMH3-4-AE400/250	0.60
Y7-265900	NZMH3-4-AE630	1.50
Y7-265901	NZMH3-4-AE630/400	1.50
Y7-265963	NZMH3-4-VE400	0.60
Y7-265964	NZMH3-4-VE400/250	0.60
Y7-265966	NZMH3-4-VE630	1.50
Y7-155415	NZML3-4-VE250	0.24
Y7-265969	NZML3-4-VE400	0.60
Y7-265970	NZML3-4-VE400/250	0.60
Y7-265958	NZMN3-4-VE400/250	0.60
Y7-265961	NZMN3-4-VE630/400	1.50
Y7-110007	NZMS3-4-AE400	0.60
Y7-110008	NZMS3-4-AE400/250	0.60
Y7-110009	NZMS3-4-AE630	1.50
Y7-110010	NZMS3-4-AE630/400	1.50
Y7-110011	NZMS3-4-VE400	0.60
Y7-110012	NZMS3-4-VE400/250	0.60

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-110013	NZMS3-4-VE630	1.50
Y7-110907	NZMH3-4-AE400/250-T	0.81
Y7-110906	NZMH3-4-AE400-T	0.81
Y7-110909	NZMH3-4-AE630/400-T	1.50
Y7-110908	NZMH3-4-AE630-T	1.50
Y7-150149	NZMH3-4-VE400-T	0.60
Y7-150400	NZMH3-4-VE630-T	1.50
Y7-150147	NZMN3-4-VE400-T	0.60
Y7-150148	NZMN3-4-VE630-T	1.50
Y7-113414	NZMS3-4-AE400/250-T	0.60
Y7-113413	NZMS3-4-AE400-T	0.60
Y7-113416	NZMS3-4-AE630/400-T	1.50
Y7-113415	NZMS3-4-AE630-T	1.50
Y7-113418	NZMS3-4-VE400/250-T	0.60
Y7-113417	NZMS3-4-VE400-T	0.60
Y7-113419	NZMS3-4-VE630-T	1.50
Y7-265894	NZMN3-4-AE630	1.50
Y7-265967	NZMH3-4-VE630/400	1.50
Y7-110014	NZMS3-4-VE630/400	1.50
Y7-110904	NZMN3-4-AE630-T	1.50
Y7-113420	NZMS3-4-VE630/400-T	1.50
Y7-265892	NZMN3-4-AE400/250	0.60
Y7-265891	NZMN3-4-AE400	0.60
Y7-110903	NZMN3-4-AE400/250-T	0.81
Y7-110902	NZMN3-4-AE400-T	0.81

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-265957	NZMN3-4-VE400	0.60
Y7-265895	NZMN3-4-AE630/400	1.50
Y7-110905	NZMN3-4-AE630/400-T	1.50
Y7-265960	NZMN3-4-VE630	1.50
Y7-111657	NZMN3-4-AE400-BT	0.60
Y7-111658	NZMN3-4-AE630-BT	1.50

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Registration Number	EATO-00202-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
Verifier accreditation Number	VH56	Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Date of issue	10-2024	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 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 »			