



NZM3 Molded Case Circuit Breaker (IEC) with Electronic Trip Unit and Withdrawable Unit

Representative product	NZMH3-4-AE630-T-AVE (Y7-113586) Product Category: Circuit Breakers
Description of the product	Eaton Moeller series NZM3 Molded Case Circuit Breaker (IEC) with Electronic Trip Unit and Withdrawable 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 NZM3 Molded Case Circuit Breaker (IEC) with Electronic Trip Unit and Withdrawable unit as mentioned below: • Series: NZM Circuit Breaker • Switching Capacity: H (High), L (Limiter), N (Normal), S (Strong) • Rated Current – Classic System Electronic (AE): 250, 400, 630 • Rated Current – Classic Full Electronic (VE): 250, 400, 630 • Rated Current – Classic Motor Electronic (ME): 220, 350, 450 • No. of Poles: 3, 4
Functional unit	“Protect the installation from overloads and short circuits in a circuit with rated voltage 690V, rated current 630 A, with 4 poles, a rated breaking capacity 35kA, 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	1.45E+01 Kg (With packaging)		
Category PEP Material	Material constituent	Mass (kg)	% Contribution
Metals	Steel	4.84E+00	33.3%
Metals	Copper	3.58E+00	24.7%
Plastic	Unsaturated polyester resin	1.61E+00	11.1%
Plastic	Polycarbonate	1.30E+00	9.0%
Others	Cardboard	1.05E+00	7.2%
Metals	Stainless Steel	7.80E-01	5.4%
Plastic	Polyamide 6.6 GF30	4.25E-01	2.9%
Plastic	Polyphenylene Sulphide 60 GF40	2.15E-01	1.5%
Plastic	Polyurethane	1.77E-01	1.2%
Others	Wood	1.17E-01	0.8%
Others	Paper	9.99E-02	0.7%
Others	Electronic Components	8.71E-02	0.6%
Plastic	Polyamide 6.6	6.96E-02	0.5%
Metals	Silver	3.76E-02	0.3%
Plastic	Polybutylene Terephthalate 70 GF30	2.60E-02	0.2%
Others	Miscellaneous	1.01E-01	0.7%
Total		1.45E+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 and Perfluoro butane sulfonic acid (PFBS) and its salts and diboron trioxide and lead monoxide and Lead titanium zirconium oxide 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 in 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 78.97% 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. 1837 km by lorry of 27t capacity from Eaton Plant to Distribution centre In Rheinback,Germany 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 178.61W at full load condition. 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 2346.94 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. 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.	9.49E+02	9.24E+01	3.46E+00	3.52E+00	8.27E+02	2.22E+01	-3.86E+01
Climate change - fossil fuels (GWP-f)	kg CO2 eq.	9.45E+02	9.27E+01	3.46E+00	1.47E+00	8.26E+02	2.15E+01	-3.92E+01
Climate change – biogenics (GWP-b)	kg CO2 eq.	3.95E+00	-3.27E-01	0.00E+00	2.05E+00	1.52E+00	7.05E-01	5.27E-01
Climate change - land use and land use transformation (GWP-lu)	kg CO2 eq.	1.82E-03	1.81E-03	0.00E+00	0.00E+00	0.00E+00	1.16E-05	-1.65E-03
Ozone depletion (ODP)	kg eq. CFC-11	1.32E-05	8.61E-06	5.31E-09	3.88E-08	4.01E-06	4.87E-07	-3.90E-06
Acidification (AP)	mole of H+ eq.	5.61E+00	1.20E+00	2.19E-02	4.48E-03	4.24E+00	1.42E-01	-6.69E-01
Freshwater eutrophication (EP-fw)	kg P eq.	3.31E-02	8.98E-03	1.30E-06	1.65E-05	2.18E-03	2.19E-02	-1.40E-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.	6.28E-01	7.99E-02	1.03E-02	1.82E-03	5.16E-01	2.00E-02	-2.82E-02
Terrestrial eutrophication (EP-t)	mole of N eq.	9.52E+00	8.81E-01	1.13E-01	1.27E-02	8.29E+00	2.21E-01	-2.89E-01
Photochemical ozone formation (POCP)	kg of NMVOC eq.	2.04E+00	3.21E-01	2.84E-02	3.07E-03	1.62E+00	6.51E-02	-1.30E-01
Depletion of abiotic resources – elements (ADPe)	kg eq. Sb	6.16E-02	6.06E-02	1.36E-07	9.09E-08	2.93E-04	7.11E-04	-2.47E-02
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	2.54E+04	3.19E+03	4.83E+01	1.32E+01	2.09E+04	1.23E+03	-1.34E+03
Water scarcity (WDP)	m3 of eq.. deprivation worldwide	2.03E+02	7.29E+01	1.32E-02	2.62E-01	6.34E+01	6.61E+01	-3.94E+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	5.64E+03	8.47E+01	6.45E-02	4.57E+00	5.53E+03	2.10E+01	-2.33E+01
Use of renewable primary energy resources used as raw materials	MJ	2.35E+01	2.35E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.75E+01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	5.66E+03	1.08E+02	6.45E-02	4.57E+00	5.53E+03	2.10E+01	-4.08E+01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	2.53E+04	3.08E+03	4.83E+01	1.32E+01	2.09E+04	1.23E+03	-1.30E+03
Use of non-renewable primary energy resources used as raw materials	MJ	1.06E+02	1.06E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.93E+01
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.54E+04	3.19E+03	4.83E+01	1.32E+01	2.09E+04	1.23E+03	-1.34E+03
Use of secondary materials	kg	1.24E-05	1.24E-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	4.86E+00	1.70E+00	3.06E-04	1.15E-02	1.49E+00	1.66E+00	-9.18E-01
Hazardous waste disposed of	kg	8.47E+02	7.98E+02	0.00E+00	8.19E-02	3.63E+01	1.33E+01	-5.03E+02
Non-hazardous waste disposed of	kg	1.71E+02	2.76E+01	1.22E-01	5.05E-01	1.40E+02	3.43E+00	-9.33E+00
Radioactive waste disposed of	kg	5.91E-02	2.64E-02	8.66E-05	7.83E-05	3.21E-02	4.67E-04	-5.26E-03
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	1.59E+01	4.38E+00	0.00E+00	9.80E-01	0.00E+00	1.05E+01	-2.64E-07
Materials for energy recovery	kg	2.75E-01	6.71E-03	0.00E+00	1.40E-01	0.00E+00	1.29E-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	4.38E-02	4.49E-05	0.00E+00	4.37E-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	5.56E-01	5.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Other sub modules in the use stage (B1-B5, B7) are equal to 0, hence not listed in the table

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	4.39E-05	8.88E-06	1.78E-07	2.61E-08	3.41E-05	7.48E-07	-4.88E-06
Ionizing radiation, human health	kBq of U235 eq.	2.65E+03	1.37E+03	8.44E-03	9.51E+01	1.19E+03	2.37E+00	-9.37E+02
Ecotoxicity, fresh water	CTUe	4.73E+03	2.49E+03	2.27E+00	1.82E+01	1.56E+03	6.51E+02	-1.85E+03
Human toxicity, cancer effects	CTUh	1.13E-05	1.11E-05	6.09E-11	1.26E-07	1.04E-07	2.35E-08	-6.46E-06
Human toxicity, non-cancer effects	CTUh	1.71E-05	1.28E-05	1.18E-09	4.03E-09	2.48E-06	1.82E-06	-8.07E-06
Impacts related to land use/soil quality	-	1.20E+02	3.09E+01	0.00E+00	3.78E-03	2.29E+01	6.64E+01	-4.61E+00
Total use of primary energy during the life cycle	MJ	3.10E+04	3.29E+03	4.84E+01	1.78E+01	2.64E+04	1.25E+03	-1.39E+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:

Product Number	Product Number	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 (m3 eq.)
Y7-113586 (Reference)	NZMH3-4-AE630-T-AVE (Reference)	All Phases Except Use Phase	1.00												
Y7-113588	NZMH3-4-AE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-113585	NZMH3-4-AE400/250-T-AVE	All Phases Except Use Phase	1.00												
Y7-110878	NZMH3-4-AE400-AVE	All Phases Except Use Phase	1.00												
Y7-113584	NZMH3-4-AE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113590	NZMH3-4-AE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-113587	NZMH3-4-AE630/400-T-AVE	All Phases Except Use Phase	1.00												
Y7-110879	NZMH3-4-AE630-AVE	All Phases Except Use Phase	1.00												
Y7-113592	NZMH3-4-VE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-110880	NZMH3-4-VE400-AVE	All Phases Except Use Phase	1.00												
Y7-119900	NZMH3-4-VE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113594	NZMH3-4-VE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-110881	NZMH3-4-VE630-AVE	All Phases Except Use Phase	1.00												
Y7-119901	NZMH3-4-VE630-T-AVE	All Phases Except Use Phase	1.00												
Y7-155418	NZML3-4-VE250-AVE	All Phases Except Use Phase	1.00												
Y7-155430	NZML3-4-VE400/250-AVE	All Phases Except Use Phase	1.00												

Product Number	Product Number	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 (m3 eq.)
Y7-155419	NZML3-4-VE400-AVE	All Phases Except Use Phase	1.00												
Y7-113542	NZMN3-4-AE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-113539	NZMN3-4-AE400/250-T-AVE	All Phases Except Use Phase	1.00												
Y7-110874	NZMN3-4-AE400-AVE	All Phases Except Use Phase	1.00												
Y7-113538	NZMN3-4-AE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113544	NZMN3-4-AE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-113541	NZMN3-4-AE630/400-T-AVE	All Phases Except Use Phase	1.00												
Y7-110875	NZMN3-4-AE630-AVE	All Phases Except Use Phase	1.00												
Y7-113540	NZMN3-4-AE630-T-AVE	All Phases Except Use Phase	1.00												
Y7-113546	NZMN3-4-VE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-110876	NZMN3-4-VE400-AVE	All Phases Except Use Phase	1.00												
Y7-119902	NZMN3-4-VE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113548	NZMN3-4-VE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-110877	NZMN3-4-VE630-AVE	All Phases Except Use Phase	1.00												
Y7-119903	NZMN3-4-VE630-T-AVE	All Phases Except Use Phase	1.00												
Y7-113558	NZMS3-4-AE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-113601	NZMS3-4-AE400/250-T-AVE	All Phases Except Use Phase	1.00												

Product Number	Product Number	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 (m3 eq.)
Y7-113557	NZMS3-4-AE400-AVE	All Phases Except Use Phase	1.00												
Y7-113600	NZMS3-4-AE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113560	NZMS3-4-AE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-113603	NZMS3-4-AE630/400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113559	NZMS3-4-AE630-AVE	All Phases Except Use Phase	1.00												
Y7-113602	NZMS3-4-AE630-T-AVE	All Phases Except Use Phase	1.00												
Y7-113562	NZMS3-4-VE400/250-AVE	All Phases Except Use Phase	1.00												
Y7-113605	NZMS3-4-VE400/250-T-AVE	All Phases Except Use Phase	1.00												
Y7-113561	NZMS3-4-VE400-AVE	All Phases Except Use Phase	1.00												
Y7-113604	NZMS3-4-VE400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113564	NZMS3-4-VE630/400-AVE	All Phases Except Use Phase	1.00												
Y7-113607	NZMS3-4-VE630/400-T-AVE	All Phases Except Use Phase	1.00												
Y7-113563	NZMS3-4-VE630-AVE	All Phases Except Use Phase	1.00												
Y7-113606	NZMS3-4-VE630-T-AVE	All Phases Except Use Phase	1.00												
Y7-110849	NZMH3-AE250-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113570	NZMH3-AE250-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80

Product Number	Product Number	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 (m3 eq.)
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110850	NZMH3-AE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
Y7-113571	NZMH3-AE400-T-AVE	Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
		Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
Y7-110851	NZMH3-AE630-AVE	End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
		Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
Y7-113572	NZMH3-AE630-T-AVE	Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
		Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
Y7-110855	NZMH3-ME220-AVE	Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110856	NZMH3-ME350-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
Y7-110857	NZMH3-ME450-AVE	Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
		Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												

Product Number	Product Number	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 (m3 eq.)
Y7-110852	NZMH3-VE250-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113573	NZMH3-VE250-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110853	NZMH3-VE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113574	NZMH3-VE400-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110854	NZMH3-VE630-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113575	NZMH3-VE630-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-155431	NZML3-ME220-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-155432	NZML3-ME350-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89

Product Number	Product Number	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 (m3 eq.)
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-155416	NZML3-VE250-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-155417	NZML3-VE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110840	NZMN3-AE250-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113527	NZMN3-AE250-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110841	NZMN3-AE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113528	NZMN3-AE400-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110842	NZMN3-AE630-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113093	NZMN3-AE630-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												

Product Number	Product Number	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 (m3 eq.)
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110846	NZMN3-ME220-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110847	NZMN3-ME350-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110848	NZMN3-ME450-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110843	NZMN3-VE250-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113529	NZMN3-VE250-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110844	NZMN3-VE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113530	NZMN3-VE400-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-110845	NZMN3-VE630-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												

Product Number	Product Number	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 (m3 eq.)
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113531	NZMN3-VE630-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113550	NZMS3-AE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113596	NZMS3-AE400-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113551	NZMS3-AE630-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113597	NZMS3-AE630-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113554	NZMS3-ME220-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113555	NZMS3-ME350-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113556	NZMS3-ME450-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80

Product Number	Product Number	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 (m3 eq.)
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113552	NZMS3-VE400-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113598	NZMS3-VE400-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113553	NZMS3-VE630-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78
Y7-113599	NZMS3-VE630-T-AVE	Manufacturing	0.83	0.83	2.12	0.65	0.84	0.78	0.76	0.81	0.82	0.81	0.76	0.82	0.80
		Distribution	0.82												
		Installation	1.00												
		End of life	0.84	0.84	0.76	0.76	0.77	0.80	0.76	0.83	0.81	0.83	0.76	0.88	0.89
		Module-D	0.80	0.81	1.43	0.65	0.81	0.77	0.78	0.78	0.81	0.79	0.75	0.78	0.78

Multiplying Factors for Use Phase for homogenous products:

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-113586 (Reference)	NZMH3-4-AE630-T-AVE	1.00
Y7-113588	NZMH3-4-AE400/250-AVE	0.40
Y7-113585	NZMH3-4-AE400/250-T-AVE	0.54
Y7-110878	NZMH3-4-AE400-AVE	0.40
Y7-113584	NZMH3-4-AE400-T-AVE	0.54
Y7-113590	NZMH3-4-AE630/400-AVE	1.00
Y7-113587	NZMH3-4-AE630/400-T-AVE	1.00
Y7-110879	NZMH3-4-AE630-AVE	1.00

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-113592	NZMH3-4-VE400/250-AVE	0.40
Y7-110880	NZMH3-4-VE400-AVE	0.40
Y7-119900	NZMH3-4-VE400-T-AVE	0.40
Y7-113594	NZMH3-4-VE630/400-AVE	1.00
Y7-110881	NZMH3-4-VE630-AVE	1.00
Y7-119901	NZMH3-4-VE630-T-AVE	1.00
Y7-155418	NZML3-4-VE250-AVE	0.16
Y7-155430	NZML3-4-VE400/250-AVE	0.16
Y7-155419	NZML3-4-VE400-AVE	0.40
Y7-113542	NZMN3-4-AE400/250-AVE	0.40
Y7-113539	NZMN3-4-AE400/250-T-AVE	0.54
Y7-110874	NZMN3-4-AE400-AVE	0.40
Y7-113538	NZMN3-4-AE400-T-AVE	0.54
Y7-113544	NZMN3-4-AE630/400-AVE	1.00
Y7-113541	NZMN3-4-AE630/400-T-AVE	1.00
Y7-110875	NZMN3-4-AE630-AVE	1.00
Y7-113540	NZMN3-4-AE630-T-AVE	1.00
Y7-113546	NZMN3-4-VE400/250-AVE	0.40
Y7-110876	NZMN3-4-VE400-AVE	0.40
Y7-119902	NZMN3-4-VE400-T-AVE	0.40
Y7-113548	NZMN3-4-VE630/400-AVE	1.00
Y7-110877	NZMN3-4-VE630-AVE	1.00
Y7-119903	NZMN3-4-VE630-T-AVE	1.00
Y7-113558	NZMS3-4-AE400/250-AVE	0.40
Y7-113601	NZMS3-4-AE400/250-T-AVE	0.40
Y7-113557	NZMS3-4-AE400-AVE	0.40
Y7-113600	NZMS3-4-AE400-T-AVE	0.40
Y7-113560	NZMS3-4-AE630/400-AVE	1.00
Y7-113603	NZMS3-4-AE630/400-T-AVE	1.00
Y7-113559	NZMS3-4-AE630-AVE	1.00
Y7-113602	NZMS3-4-AE630-T-AVE	1.00
Y7-113562	NZMS3-4-VE400/250-AVE	0.40
Y7-113605	NZMS3-4-VE400/250-T-AVE	0.40
Y7-113561	NZMS3-4-VE400-AVE	0.40
Y7-113604	NZMS3-4-VE400-T-AVE	0.40
Y7-113564	NZMS3-4-VE630/400-AVE	1.00
Y7-113607	NZMS3-4-VE630/400-T-AVE	1.00
Y7-113563	NZMS3-4-VE630-AVE	1.00
Y7-113606	NZMS3-4-VE630-T-AVE	1.00
Y7-110849	NZMH3-AE250-AVE	0.10
Y7-113570	NZMH3-AE250-T-AVE	0.10
Y7-110850	NZMH3-AE400-AVE	0.27

Part Number	Product Description	Use Phase Extrapolation Factors
Y7-113571	NZMH3-AE400-T-AVE	0.41
Y7-110851	NZMH3-AE630-AVE	0.67
Y7-113572	NZMH3-AE630-T-AVE	0.67
Y7-110855	NZMH3-ME220-AVE	0.08
Y7-110856	NZMH3-ME350-AVE	0.21
Y7-110857	NZMH3-ME450-AVE	0.34
Y7-110852	NZMH3-VE250-AVE	0.10
Y7-113573	NZMH3-VE250-T-AVE	0.10
Y7-110853	NZMH3-VE400-AVE	0.27
Y7-113574	NZMH3-VE400-T-AVE	0.27
Y7-110854	NZMH3-VE630-AVE	0.67
Y7-113575	NZMH3-VE630-T-AVE	0.67
Y7-155431	NZML3-ME220-AVE	0.08
Y7-155432	NZML3-ME350-AVE	0.21
Y7-155416	NZML3-VE250-AVE	0.10
Y7-155417	NZML3-VE400-AVE	0.27
Y7-110840	NZMN3-AE250-AVE	0.10
Y7-113527	NZMN3-AE250-T-AVE	0.10
Y7-110841	NZMN3-AE400-AVE	0.27
Y7-113528	NZMN3-AE400-T-AVE	0.41
Y7-110842	NZMN3-AE630-AVE	0.67
Y7-113093	NZMN3-AE630-T-AVE	0.67
Y7-110846	NZMN3-ME220-AVE	0.08
Y7-110847	NZMN3-ME350-AVE	0.21
Y7-110848	NZMN3-ME450-AVE	0.34
Y7-110843	NZMN3-VE250-AVE	0.10
Y7-113529	NZMN3-VE250-T-AVE	0.10
Y7-110844	NZMN3-VE400-AVE	0.27
Y7-113530	NZMN3-VE400-T-AVE	0.27
Y7-110845	NZMN3-VE630-AVE	0.67
Y7-113531	NZMN3-VE630-T-AVE	0.67
Y7-113550	NZMS3-AE400-AVE	0.27
Y7-113596	NZMS3-AE400-T-AVE	0.27
Y7-113551	NZMS3-AE630-AVE	0.67
Y7-113597	NZMS3-AE630-T-AVE	0.67
Y7-113554	NZMS3-ME220-AVE	0.08
Y7-113555	NZMS3-ME350-AVE	0.21
Y7-113556	NZMS3-ME450-AVE	0.34
Y7-113552	NZMS3-VE400-AVE	0.27
Y7-113598	NZMS3-VE400-T-AVE	0.40
Y7-113553	NZMS3-VE630-AVE	0.67
Y7-113599	NZMS3-VE630-T-AVE	1.00

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Verifier accreditation Number	VH53	Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
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 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 »			