



Mechanical RCBO 1N

Representative product	PKNM-16-1N-B-003-MW (Y7-236200) Product Category: Differential Circuit Breakers.
Description of the product	Eaton's mechanical residual current circuit breakers are designed to provide circuit protection for low-voltage distribution systems. Eaton circuit breakers protect conductors and connected apparatus, such as motors and motor starters, and protect people and premises at risk of fire or explosion against insulation defects in a circuit.
Homogeneous Environmental Families Covered	The PEP concerns following product offerings from Xpole - PKN6/M RCBO - residual-current circuit breaker with overcurrent protection as mentioned below: Series: FRBM6, FRBMM, PKNM, HNB, PFL6, PFL7, PKN4, PKN6 No. of Poles: 1P+N Rated current: 6, 10, 13, 16, 20, 25, 32, 40A Tripping Curves: MCB (B, C, D); RCD (A, AC) Differential Protection Types: A, AC
Functional unit	Protect the installation from overloads and short circuits and protect people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage 230 V, rated current 16A, with 1P+N poles, a rated breaking capacity of 10kA, the tripping curve B (MCB) / AC (RCD), the sensitivity 30mA, and the differential protection type AC, in the Household/Commercial 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	2.21E-01 (with packaging)		
Category PEP Material	Materials	Mass (kg)	Percentage (%)
Metal	Steel	6.93E-02	31.4%
Plastic	Polyamide 6 (PA6)	6.67E-02	30.2%
Metal	Nickel	1.38E-02	6.3%
Metal	Copper	1.37E-02	6.2%
Metal	Stainless Steel	1.30E-02	5.9%
Others	Carton	1.29E-02	5.9%
Plastic	Polyamide 6.6 (PA6.6)	7.76E-03	3.5%
Others	Wood	5.83E-03	2.6%
Metal	Iron	3.32E-03	1.5%
Others	Electronic Components	3.02E-03	1.4%
Plastic	Polycarbonate (PC)	2.77E-03	1.3%
Others	Paper	1.86E-03	0.8%
Plastic	Polymethyl Methacrylate (PMMA)	1.61E-03	0.7%
Plastic	Polytetrafluoroethylene (PTFE)	1.58E-03	0.7%
Others	Miscellaneous	3.50E-03	1.6%
Total		2.21E-01	100.00%

Substance Assessment
The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with exemption and the product contains Lead 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 does not require any maintenance during operation.
End of life	The recyclability rate of the overall product is 85.9% 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 v6.1.3 with database version CODDE-2023-02. Indicators Set: PEF EF 3.0 (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, Europe, France, US.
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. Energy model used: Europe
Installation Phase	Product is installed in Europe. Installation of product and treatment of packaging waste are considered in this phase. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: Energy consumption by the product during its useful life. The reference product has an average power loss of 3.2 W in active mode with 15% of loading rate. For 30% of the use time rate, total losses are 3784.32 Wh over the 20 years. Product also do not require any maintenance/replacement during useful life. Household/Commercial Usage profile is considered. 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 Impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (only B6)	End of life	Module-D
Resource use, minerals and metals (ADP-e)	kg SB eq.	2.48E-04	2.45E-04	2.13E-09	1.96E-09	1.12E-07	2.73E-06	-4.25E-05
Resource use, fossils --(ADP-f)	MJ	1.16E+02	5.72E+01	7.54E-01	1.64E-01	3.95E+01	1.87E+01	-2.49E+01
Acidification (AP)	mole of H ⁺ eq.	5.07E-02	3.95E-02	3.42E-04	6.97E-05	8.85E-03	1.94E-03	-1.67E-02
Eutrophication, freshwater- (Ep-f)	kg P eq.	1.33E-04	4.25E-05	2.03E-08	1.99E-07	4.25E-06	8.59E-05	-1.40E-06
Eutrophication marine (Ep-m)	kg N eq.	3.48E-03	2.02E-03	1.60E-04	2.15E-05	1.01E-03	2.73E-04	-8.72E-04
Eutrophication, terrestrial (Ep-t)	mol N eq.	4.29E-02	2.29E-02	1.76E-03	1.59E-04	1.51E-02	3.06E-03	-9.39E-03
Climate change-(GWP)	kg CO ₂ eq.	4.86E+00	2.88E+00	5.41E-02	2.39E-02	1.55E+00	3.56E-01	-1.06E+00
Climate change-Biogenic- (GWP-b)	kg CO ₂ eq.	3.44E-02	2.40E-02	0.00E+00	5.60E-03	2.07E-03	2.69E-03	-6.72E-03
Climate change-Fossil-(GWPf)	kg CO ₂ eq.	4.83E+00	2.85E+00	5.41E-02	1.83E-02	1.55E+00	3.54E-01	-1.06E+00
Climate change-Land use and land use change-(GWP-lu)	kg CO ₂ eq.	6.90E-08	2.35E-08	0.00E+00	-1.39E-10	0.00E+00	4.56E-08	0.00E+00

Mandatory Impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (only B6)	End of life	Module-D
Ozone depletion-(ODP)	kg CFC-11 eq.	8.44E-06	8.41E-06	8.28E-11	1.23E-09	6.63E-09	2.70E-08	-3.60E-08
Photochemical ozone formation - human health- (POCP)	kg NMVOC eq.	1.32E-02	8.44E-03	4.44E-04	4.21E-05	3.23E-03	1.00E-03	-3.40E-03
Water use-(WDP)	m³ eq.	2.68E+00	2.42E+00	2.05E-04	9.18E-03	5.49E-02	1.90E-01	-1.05E+00

Inventory Flow Indicators: Mandatory

Mandatory Inventory flow indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (only B6)	End of life	Module-D
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	9.48E+00	1.58E+00	1.01E-03	1.55E-01	7.59E+00	1.63E-01	-3.80E-02
Use of renewable primary energy resources used as raw material	MJ	3.73E-01	3.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.45E-01
Total use of renewable primary energy resources	MJ	9.86E+00	1.95E+00	1.01E-03	1.55E-01	7.59E+00	1.63E-01	-2.83E-01
Use of non-renewable primary energy excluding non-renewable primary energy used as raw material	MJ	1.14E+02	5.48E+01	7.54E-01	1.64E-01	3.95E+01	1.87E+01	-2.33E+01
Use of non-renewable primary energy resources used as raw material	MJ	2.41E+00	2.41E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.63E+00
Total use of non-renewable primary energy resources	MJ	1.16E+02	5.72E+01	7.54E-01	1.64E-01	3.95E+01	1.87E+01	-2.49E+01
Use of secondary material	kg	0.00E+00	0.00E+00	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 freshwater	m³	6.23E-02	5.64E-02	4.78E-06	2.14E-04	1.28E-03	4.43E-03	-2.43E-02
Components for reuse	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	2.38E-01	5.68E-02	0.00E+00	5.85E-03	0.00E+00	1.75E-01	0.00E+00
Materials for energy recovery	kg	4.68E-03	3.57E-04	0.00E+00	3.29E-03	0.00E+00	1.03E-03	0.00E+00
Exported Energy	MJ	2.18E-03	3.11E-06	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00
Hazardous waste disposed	kg	1.83E+01	1.81E+01	0.00E+00	2.71E-04	2.90E-02	2.04E-01	-2.87E+00
Non-hazardous waste disposed	kg	3.16E+00	2.64E+00	1.90E-03	1.08E-02	2.23E-01	2.87E-01	-6.50E-01
Radioactive waste disposed	kg	1.25E-03	9.97E-04	1.35E-06	6.75E-07	4.67E-05	2.09E-04	-1.87E-05
Biogenic carbon content of the product	kg C	2.80E-01	2.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	kg C	3.95E-01	3.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Environmental Impact Indicators: Optional

Impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (only B6)	End of life	Module-D
Ecotoxicity, freshwater	CTUe	1.31E+02	1.06E+02	3.64E-02	2.15E-01	1.67E+01	8.25E+00	-8.41E+01
Human toxicity, cancer	CTUh-c	2.41E-03	2.41E-03	9.50E-13	1.23E-09	1.81E-10	1.01E-07	-2.21E-03
Human toxicity, non-cancer	CTUh-nc	2.24E-07	2.03E-07	1.03E-10	7.09E-11	7.17E-09	1.37E-08	-8.66E-08
Ionising radiation, human health	kBq U ²³⁵ eq	2.13E+01	1.43E+01	1.32E-04	4.74E+00	2.31E+00	2.82E-02	-3.78E+00
Land use	-	4.49E-01	1.64E-01	0.00E+00	1.84E-03	3.09E-02	2.53E-01	-1.03E-04

Impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (only B6)	End of life	Module-D
EF-particulate Matter	Disease occurrence	5.53E-07	4.68E-07	2.78E-09	3.94E-10	6.87E-08	1.28E-08	-1.10E-07
Total Primary Energy	MJ	1.26E+02	5.92E+01	7.55E-01	3.19E-01	4.71E+01	1.88E+01	-2.52E+01

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

Multiplying Factors for All Phase wise Impacts:

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
Y7-236200	PKNM-16/1N/B/003-MW (Reference)	All Phases	1.00												
Y7-170561	FRBMM-C2/1N/03	All Phases	1.00												
Y7-177795	FRBM6-C2/1N/003	All Phases	1.00												
Y7-170532	FRBMM-C2/1N/003	All Phases	1.00												
Y7-178113	FRBM6-B4/1N/003	All Phases	1.00												
Y7-177796	FRBM6-C4/1N/003	All Phases	1.00												
Y7-177731	FRBM6-C4/1N/03	All Phases	1.00												
Y7-170533	FRBMM-C4/1N/003	All Phases	1.00												
Y7-170920	FRBMM-B6/1N/003	All Phases	1.00												
Y7-170534	FRBMM-C6/1N/003	All Phases	1.00												
Y7-170638	FRBMM-D6/1N/003	All Phases	1.00												
Y7-177777	FRBM6-C6/1N/001	All Phases	1.00												
Y7-177797	FRBM6-C6/1N/003	All Phases	1.00												
Y7-177707	FRBM6-C6/1N/01	All Phases	1.00												
Y7-177732	FRBM6-C6/1N/03	All Phases	1.00												
Y7-195118	HNB-B6/1N/003	All Phases	1.00												
Y7-195124	HNB-C6/1N/003	All Phases	1.00												
Y7-286428	PFL6-6/1N/B/003	All Phases	1.00												
Y7-286464	PFL6-6/1N/C/003	All Phases	1.00												
Y7-263430	PFL7-6/1N/B/003-DE	All Phases	1.00												
Y7-263432	PFL7-6/1N/C/003-DE	All Phases	1.00												
Y7-165711	PFL7-6/1N/C/03	All Phases	1.00												
Y7-236873	PKN4-6/1N/C/003-MW	All Phases	1.00												
Y7-236875	PKN4-6/1N/C/03-MW	All Phases	1.00												
Y7-236007	PKNM-6/1N/B/003-MW	All Phases	1.00												
Y7-236017	PKNM-6/1N/C/003-MW	All Phases	1.00												
Y7-177787	FRBM6-B10/1N/003	All Phases	1.00												
Y7-177723	FRBM6-B10/1N/03	All Phases	1.00												
Y7-177778	FRBM6-C10/1N/001	All Phases	1.00												
Y7-177798	FRBM6-C10/1N/003	All Phases	1.00												

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC _P (kg NMVOC eq.)	WU (m ³ eq.)
Y7-177733	FRBM6-C10/1N/03	All Phases							1.00						
Y7-177806	FRBM6-D10/1N/003	All Phases							1.00						
Y7-170657	FRBMM-B10/1N/01	All Phases							1.00						
Y7-170564	FRBMM-C10/1N/03	All Phases							1.00						
Y7-170535	FRBMM-C10/1N/003	All Phases							1.00						
Y7-170911	FRBMM-D10/1N/001	All Phases							1.00						
Y7-170639	FRBMM-D10/1N/003	All Phases							1.00						
Y7-195119	HNB-B10/1N/003	All Phases							1.00						
Y7-195125	HNB-C10/1N/003	All Phases							1.00						
Y7-286429	PFL6-10/1N/B/003	All Phases							1.00						
Y7-286465	PFL6-10/1N/C/003	All Phases							1.00						
Y7-263434	PFL7-10/1N/B/003-DE	All Phases							1.00						
Y7-263516	PFL7-10/1N/C/003-DE	All Phases							1.00						
Y7-236933	PKN4-10/1N/C/003-MW	All Phases							1.00						
Y7-236935	PKN4-10/1N/C/03-MW	All Phases							1.00						
Y7-236079	PKNM-10/1N/C/03-MW	All Phases							1.00						
Y7-236069	PKNM-10/1N/B/03-MW	All Phases							1.00						
Y7-236505	PKN6-10/1N/C/003-MW	All Phases							1.00						
Y7-236077	PKNM-10/1N/C/003-MW	All Phases							1.00						
Y7-236067	PKNM-10/1N/B/003-MW	All Phases							1.00						
Y7-177799	FRBM6-C13/1N/003	All Phases							1.00						
Y7-170973	FRBMM-B13/1N/001	All Phases							1.00						
Y7-170696	FRBMM-B13/1N/003	All Phases							1.00						
Y7-170536	FRBMM-C13/1N/003	All Phases							1.00						
Y7-170658	FRBMM-B13/1N/01	All Phases							1.00						
Y7-170676	FRBMM-C13/1N/01	All Phases							1.00						
Y7-236142	PKNM-13/1N/C/03-MW	All Phases							1.00						
Y7-195120	HNB-B13/1N/003	All Phases							1.00						
Y7-195126	HNB-C13/1N/003	All Phases							1.00						
Y7-263518	PFL7-13/1N/B/003-DE	All Phases							1.00						
Y7-263531	PFL7-13/1N/C/003-DE	All Phases							1.00						
Y7-236128	PKNM-13/1N/B/003-MW	All Phases							1.00						
Y7-236140	PKNM-13/1N/C/003-MW	All Phases							1.00						
Y7-236996	PKN4-13/1N/C/003-MW	All Phases							1.00						
Y7-177774	FRBM6-B16/1N/001	All Phases							1.00						
Y7-177789	FRBM6-B16/1N/003	All Phases							1.00						
Y7-177780	FRBM6-C16/1N/001	All Phases							1.00						
Y7-177352	FRBM6-C16/1N/003	All Phases							1.00						
Y7-177710	FRBM6-C16/1N/01	All Phases							1.00						
Y7-177633	FRBM6-C16/1N/03	All Phases							1.00						

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC _P (kg NMVOC eq.)	WU (m ³ eq.)
Y7-177808	FRBM6-D16/1N/003	All Phases							1.00						
Y7-170697	FRBMM-B16/1N/003	All Phases							1.00						
Y7-170659	FRBMM-B16/1N/01	All Phases							1.00						
Y7-170984	FRBMM-C16/1N/001	All Phases							1.00						
Y7-170537	FRBMM-C16/1N/003	All Phases							1.00						
Y7-170677	FRBMM-C16/1N/01	All Phases							1.00						
Y7-170566	FRBMM-C16/1N/03	All Phases							1.00						
Y7-170641	FRBMM-D16/1N/003	All Phases							1.00						
Y7-170592	FRBMM-D16/1N/03	All Phases							1.00						
Y7-195121	HNB-B16/1N/003	All Phases							1.00						
Y7-195127	HNB-C16/1N/003	All Phases							1.00						
Y7-286431	PFL6-16/1N/B/003	All Phases							1.00						
Y7-286467	PFL6-16/1N/C/003	All Phases							1.00						
Y7-263534	PFL7-16/1N/B/003-DE	All Phases							1.00						
Y7-263537	PFL7-16/1N/C/003-DE	All Phases							1.00						
Y7-165626	PFL7-16/1N/C/03	All Phases							1.00						
Y7-237068	PKN4-16/1N/C/003-MW	All Phases							1.00						
Y7-237070	PKN4-16/1N/C/03-MW	All Phases							1.00						
Y7-236640	PKN6-16/1N/C/003-MW	All Phases							1.00						
Y7-236642	PKN6-16/1N/C/03-MW	All Phases							1.00						
Y7-236202	PKNM-16/1N/B/03-MW	All Phases							1.00						
Y7-236212	PKNM-16/1N/C/003-MW	All Phases							1.00						
Y7-236214	PKNM-16/1N/C/03-MW	All Phases							1.00						
Y7-177353	FRBM6-C20/1N/003	All Phases							1.00						
Y7-177634	FRBM6-C20/1N/03	All Phases							1.00						
Y7-177809	FRBM6-D20/1N/003	All Phases							1.00						
Y7-170538	FRBMM-C20/1N/003	All Phases							1.00						
Y7-170678	FRBMM-C20/1N/01	All Phases							1.00						
Y7-170642	FRBMM-D20/1N/003	All Phases							1.00						
Y7-195122	HNB-B20/1N/003	All Phases							1.00						
Y7-286432	PFL6-20/1N/B/003	All Phases							1.00						
Y7-263540	PFL7-20/1N/B/003-DE	All Phases							1.00						
Y7-263543	PFL7-20/1N/C/003-DE	All Phases							1.00						
Y7-165652	PFL7-20/1N/C/03	All Phases							1.00						
Y7-237101	PKN4-20/1N/C/003-MW	All Phases							1.00						
Y7-237103	PKN4-20/1N/C/03-MW	All Phases							1.00						
Y7-236235	PKNM-20/1N/B/003-MW	All Phases							1.00						
Y7-236237	PKNM-20/1N/B/03-MW	All Phases							1.00						
Y7-236245	PKNM-20/1N/C/003-MW	All Phases							1.00						
Y7-236247	PKNM-20/1N/C/03-MW	All Phases							1.00						

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC _P (kg NMVOC eq.)	WU (m ³ eq.)
Y7-177963	FRBM6-B10/1N/03-A	All Phases							1.00						
Y7-177965	FRBM6-B16/1N/03-A	All Phases							1.00						
Y7-178117	FRBM6-B4/1N/003-A	All Phases							1.00						
Y7-178119	FRBM6-B4/1N/03-A	All Phases							1.00						
Y7-177962	FRBM6-B6/1N/03-A	All Phases							1.00						
Y7-177923	FRBM6-C10/1N/003-A	All Phases							1.00						
Y7-177973	FRBM6-C10/1N/03-A	All Phases							1.00						
Y7-177764	FRBM6-C16/1N/001-A	All Phases							1.00						
Y7-177925	FRBM6-C16/1N/003-A	All Phases							1.00						
Y7-177950	FRBM6-C16/1N/01-A	All Phases							1.00						
Y7-177975	FRBM6-C16/1N/03-A	All Phases							1.00						
Y7-177746	FRBM6-C2/1N/003-A	All Phases							1.00						
Y7-177926	FRBM6-C20/1N/003-A	All Phases							1.00						
Y7-177976	FRBM6-C20/1N/03-A	All Phases							1.00						
Y7-177747	FRBM6-C4/1N/003-A	All Phases							1.00						
Y7-177922	FRBM6-C6/1N/003-A	All Phases							1.00						
Y7-177972	FRBM6-C6/1N/03-A	All Phases							1.00						
Y7-177933	FRBM6-D10/1N/003-A	All Phases							1.00						
Y7-177770	FRBM6-D16/1N/001-A	All Phases							1.00						
Y7-177986	FRBM6-D20/1N/03-A	All Phases							1.00						
Y7-170703	FRBMM-B10/1N/003-A	All Phases							1.00						
Y7-170977	FRBMM-B13/1N/001-A	All Phases							1.00						
Y7-170704	FRBMM-B13/1N/003-A	All Phases							1.00						
Y7-170666	FRBMM-B13/1N/01-A	All Phases							1.00						
Y7-170609	FRBMM-B13/1N/03-A	All Phases							1.00						
Y7-170978	FRBMM-B16/1N/001-A	All Phases							1.00						
Y7-170705	FRBMM-B16/1N/003-A	All Phases							1.00						
Y7-170667	FRBMM-B16/1N/01-A	All Phases							1.00						
Y7-170610	FRBMM-B16/1N/03-A	All Phases							1.00						
Y7-170706	FRBMM-B20/1N/003-A	All Phases							1.00						
Y7-170668	FRBMM-B20/1N/01-A	All Phases							1.00						
Y7-170611	FRBMM-B20/1N/03-A	All Phases							1.00						
Y7-170702	FRBMM-B6/1N/003-A	All Phases							1.00						
Y7-170664	FRBMM-B6/1N/01-A	All Phases							1.00						
Y7-170907	FRBMM-C10/1N/001-A	All Phases							1.00						
Y7-170617	FRBMM-C10/1N/003-A	All Phases							1.00						
Y7-170685	FRBMM-C10/1N/01-A	All Phases							1.00						
Y7-170574	FRBMM-C10/1N/03-A	All Phases							1.00						
Y7-170908	FRBMM-C13/1N/001-A	All Phases							1.00						
Y7-170618	FRBMM-C13/1N/003-A	All Phases							1.00						

Part Number	Product Description	Phases	ADP e (kg Sb eq.)	ADPf (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWP b (kg CO ₂ eq.)	GWP f (kg CO ₂ eq.)	GWP lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
Y7-170686	FRBMM-C13/1N/01-A	All Phases							1.00						
Y7-170575	FRBMM-C13/1N/03-A	All Phases							1.00						
Y7-170921	FRBMM-C16/1N/001-A	All Phases							1.00						
Y7-170619	FRBMM-C16/1N/003-A	All Phases							1.00						
Y7-170687	FRBMM-C16/1N/01-A	All Phases							1.00						
Y7-170576	FRBMM-C16/1N/03-A	All Phases							1.00						
Y7-170614	FRBMM-C2/1N/003-A	All Phases							1.00						
Y7-170620	FRBMM-C20/1N/003-A	All Phases							1.00						
Y7-170577	FRBMM-C20/1N/03-A	All Phases							1.00						
Y7-170615	FRBMM-C4/1N/003-A	All Phases							1.00						
Y7-170580	FRBMM-C40/1N/03-A	All Phases							1.00						
Y7-170616	FRBMM-C6/1N/003-A	All Phases							1.00						
Y7-170684	FRBMM-C6/1N/01-A	All Phases							1.00						
Y7-170919	FRBMM-D16/1N/001-A	All Phases							1.00						
Y7-170648	FRBMM-D16/1N/003-A	All Phases							1.00						
Y7-170643	FRBMM-D2/1N/003-A	All Phases							1.00						
Y7-170593	FRBMM-D20/1N/03	All Phases							1.00						
Y7-170637	FRBMM-D4/1N/003	All Phases							1.00						
Y7-170546	FRBMM-D6/1N/01-A	All Phases							1.00						
Y7-195132	HNB-B13/1N/003-A	All Phases							1.00						
Y7-195137	HNB-C10/1N/003-A	All Phases							1.00						
Y7-195138	HNB-C13/1N/003-A	All Phases							1.00						
Y7-195136	HNB-C6/1N/003-A	All Phases							1.00						
Y7-112877	PFL6-10/1N/C/003-A	All Phases							1.00						
Y7-112879	PFL6-16/1N/C/003-A	All Phases							1.00						
Y7-263435	PFL7-10/1N/B/003-A-DE	All Phases							1.00						
Y7-263517	PFL7-10/1N/C/003-A-DE	All Phases							1.00						
Y7-263532	PFL7-13/1N/C/003-A-DE	All Phases							1.00						
Y7-263535	PFL7-16/1N/B/003-A-DE	All Phases							1.00						
Y7-263538	PFL7-16/1N/C/003-A-DE	All Phases							1.00						
Y7-263541	PFL7-20/1N/B/003-A-DE	All Phases							1.00						
Y7-263431	PFL7-6/1N/B/003-A-DE	All Phases							1.00						
Y7-263515	PFL7-6/1N/C/003-A-DE	All Phases							1.00						
Y7-236938	PKN4-10/1N/C/003-A-MW	All Phases							1.00						
Y7-236940	PKN4-10/1N/C/03-A-MW	All Phases							1.00						
Y7-237073	PKN4-16/1N/C/003-A-MW	All Phases							1.00						
Y7-237075	PKN4-16/1N/C/03-A-MW	All Phases							1.00						
Y7-237105	PKN4-20/1N/C/003-A-MW	All Phases							1.00						
Y7-237107	PKN4-20/1N/C/03-A-MW	All Phases							1.00						
Y7-236878	PKN4-6/1N/C/003-A-MW	All Phases							1.00						

Part Number	Product Description	Phases	ADP e (kg Sb eq.)	ADP f (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWP b (kg CO ₂ eq.)	GWP f (kg CO ₂ eq.)	GWP lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
Y7-236880	PKN4-6/1N/C/03-A-MW	All Phases							1.00						
Y7-236500	PKN6-10/1N/B/003-A-MW	All Phases							1.00						
Y7-236510	PKN6-10/1N/C/003-A-MW	All Phases							1.00						
Y7-236563	PKN6-13/1N/B/03-A-MW	All Phases							1.00						
Y7-236633	PKN6-16/1N/B/003-A-MW	All Phases							1.00						
Y7-236635	PKN6-16/1N/B/03-A-MW	All Phases							1.00						
Y7-236645	PKN6-16/1N/C/003-A-MW	All Phases							1.00						
Y7-236647	PKN6-16/1N/C/03-A-MW	All Phases							1.00						
Y7-236667	PKN6-20/1N/B/003-A-MW	All Phases							1.00						
Y7-236669	PKN6-20/1N/B/03-A-MW	All Phases							1.00						
Y7-236677	PKN6-20/1N/C/003-A-MW	All Phases							1.00						
Y7-236679	PKN6-20/1N/C/03-A-MW	All Phases							1.00						
Y7-236440	PKN6-6/1N/B/003-A-MW	All Phases							1.00						
Y7-236442	PKN6-6/1N/B/03-A-MW	All Phases							1.00						
Y7-236450	PKN6-6/1N/C/003-A-MW	All Phases							1.00						
Y7-236452	PKN6-6/1N/C/03-A-MW	All Phases							1.00						
Y7-236072	PKNM-10/1N/B/003-A-MW	All Phases							1.00						
Y7-236074	PKNM-10/1N/B/03-A-MW	All Phases							1.00						
Y7-110404	PKNM-10/1N/C/003-A-GV	All Phases							1.00						
Y7-236082	PKNM-10/1N/C/003-A-MW	All Phases							1.00						
Y7-236084	PKNM-10/1N/C/03-A-MW	All Phases							1.00						
Y7-236133	PKNM-13/1N/B/003-A-MW	All Phases							1.00						
Y7-236135	PKNM-13/1N/B/03-A-MW	All Phases							1.00						
Y7-236145	PKNM-13/1N/C/003-A-MW	All Phases							1.00						
Y7-236147	PKNM-13/1N/C/03-A-MW	All Phases							1.00						
Y7-236205	PKNM-16/1N/B/003-A-MW	All Phases							1.00						
Y7-236207	PKNM-16/1N/B/03-A-MW	All Phases							1.00						
Y7-236217	PKNM-16/1N/C/003-A-MW	All Phases							1.00						
Y7-236219	PKNM-16/1N/C/03-A-MW	All Phases							1.00						
Y7-236239	PKNM-20/1N/B/003-A-MW	All Phases							1.00						
Y7-236249	PKNM-20/1N/C/003-A-MW	All Phases							1.00						
Y7-236012	PKNM-6/1N/B/003-A-MW	All Phases							1.00						
Y7-236014	PKNM-6/1N/B/03-A-MW	All Phases							1.00						
Y7-236022	PKNM-6/1N/C/003-A-MW	All Phases							1.00						
Y7-236024	PKNM-6/1N/C/03-A-MW	All Phases							1.00						
Y7-236946	PXK-B10/1N/003-A	All Phases							1.00						
Y7-236954	PXK-B10/1N/03-A	All Phases							1.00						
Y7-236947	PXK-B13/1N/003-A	All Phases							1.00						
Y7-236955	PXK-B13/1N/03-A	All Phases							1.00						
Y7-236948	PXK-B16/1N/003-A	All Phases							1.00						

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC _P (kg NMVOC eq.)	WU (m ³ eq.)
Y7-236956	PXK-B16/1N/03-A	All Phases	1.00												
Y7-236949	PXK-B20/1N/003-A	All Phases	1.00												
Y7-236957	PXK-B20/1N/03-A	All Phases	1.00												
Y7-236945	PXK-B6/1N/003-A	All Phases	1.00												
Y7-236962	PXK-C10/1N/003-A	All Phases	1.00												
Y7-236970	PXK-C10/1N/03-A	All Phases	1.00												
Y7-236963	PXK-C13/1N/003-A	All Phases	1.00												
Y7-236964	PXK-C16/1N/003-A	All Phases	1.00												
Y7-236972	PXK-C16/1N/03-A	All Phases	1.00												
Y7-236965	PXK-C20/1N/003-A	All Phases	1.00												
Y7-236973	PXK-C20/1N/03-A	All Phases	1.00												
Y7-236961	PXK-C6/1N/003-A	All Phases	1.00												
Y7-236969	PXK-C6/1N/03-A	All Phases	1.00												
Y7-177800	FRBM6-C25/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177735	FRBM6-C25/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170661	FRBMM-B25/1N/01	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170539	FRBMM-C25/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170568	FRBMM-C25/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-195129	HNB-C25/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-286433	PFL6-25/1N/B/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-263546	PFL7-25/1N/B/003-DE	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-263549	PFL7-25/1N/C/003-DE	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19

Part Number	Product Description	Phases	ADP e (kg Sb eq.)	ADP f (MJ)	AP (mol H ⁺ eq.)	Ep f (kg P eq.)	Ep m (kg N eq.)	Ep t (mol N eq.)	GWP (kg CO ₂ eq.)	GWP b (kg CO ₂ eq.)	GWP f (kg CO ₂ eq.)	GWP lu (kg CO ₂ eq.)	ODP (kg CFC- 11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
Y7-237131	PKN4-25/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237133	PKN4-25/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236703	PKN6-25/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236265	PKNM-25/1N/B/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236267	PKNM-25/1N/B/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236275	PKNM-25/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236277	PKNM-25/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177801	FRBM6-C32/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177736	FRBM6-C32/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170612	FRBMM-C32/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170569	FRBMM-C32/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-165673	PFL7-32/1N/C/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237161	PKN4-32/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237163	PKN4-32/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADPf (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWPb (kg CO ₂ eq.)	GWPf (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMVOC eq.)	WU (m ³ eq.)
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236733	PKN6-32/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236295	PKNM-32/1N/B/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236305	PKNM-32/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236307	PKNM-32/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177729	FRBM6-B40/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177802	FRBM6-C40/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177737	FRBM6-C40/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170570	FRBMM-C40/1N/03	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236336	PKNM-40/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237190	PKN4-40/1N/C/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237192	PKN4-40/1N/C/03-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236324	PKNM-40/1N/B/003-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177744	FRBM6-B32/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58

Part Number	Product Description	Phases	ADP e (kg Sb eq.)	ADPf (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWP b (kg CO ₂ eq.)	GWP f (kg CO ₂ eq.)	GWP lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177745	FRBM6-B40/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177927	FRBM6-C25/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177977	FRBM6-C25/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177928	FRBM6-C32/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177978	FRBM6-C32/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177929	FRBM6-C40/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-177979	FRBM6-C40/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170707	FRBMM-B25/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170669	FRBMM-B25/1N/01-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170621	FRBMM-C25/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170578	FRBMM-C25/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170622	FRBMM-C32/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170680	FRBMM-C32/1N/01	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19

Part Number	Product Description	Phases	ADP e (kg Sb eq.)	ADP f (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWP b (kg CO ₂ eq.)	GWP f (kg CO ₂ eq.)	GWP lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMV OC eq.)	WU (m ³ eq.)
Y7-170690	FRBMM-C32/1N/01-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170613	FRBMM-C40/1N/003	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-170623	FRBMM-C40/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-263547	PFL7-25/1N/B/003-A-DE	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-263550	PFL7-25/1N/C/003-A-DE	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237135	PKN4-25/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237137	PKN4-25/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237165	PKN4-32/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237167	PKN4-32/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237194	PKN4-40/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-237196	PKN4-40/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236697	PKN6-25/1N/B/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236699	PKN6-25/1N/B/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236707	PKN6-25/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADPf (MJ)	AP (mol H ⁺ eq.)	Epf (kg P eq.)	Epm (kg N eq.)	Ept (mol N eq.)	GWP (kg CO ₂ eq.)	GWPb (kg CO ₂ eq.)	GWPF (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC P (kg NMVOC eq.)	WU (m ³ eq.)
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236709	PKN6-25/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236727	PKN6-32/1N/B/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236729	PKN6-32/1N/B/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236737	PKN6-32/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236739	PKN6-32/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236756	PKN6-40/1N/B/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236766	PKN6-40/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236269	PKNM-25/1N/B/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236271	PKNM-25/1N/B/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236279	PKNM-25/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236281	PKNM-25/1N/C/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236309	PKNM-32/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236330	PKNM-40/1N/B/03-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58

Part Number	Product Description	Phases	ADPe (kg Sb eq.)	ADP _f (MJ)	AP (mol H ⁺ eq.)	E _{pf} (kg P eq.)	E _{pm} (kg N eq.)	E _{pt} (mol N eq.)	GWP (kg CO ₂ eq.)	GWP _b (kg CO ₂ eq.)	GWP _f (kg CO ₂ eq.)	GWP _{lu} (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POC _P (kg NMVOC eq.)	WU (m ³ eq.)
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236338	PKNM-40/1N/C/003-A-MW	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236950	PXK-B25/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236958	PXK-B25/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236951	PXK-B32/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236952	PXK-B40/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236966	PXK-C25/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236974	PXK-C25/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236967	PXK-C32/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236975	PXK-C32/1N/03-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19
Y7-236968	PXK-C40/1N/003-A	Manufacturing	1.24	1.01	1.12	2.20	1.06	1.06	1.16	1.30	1.16	2.26	1.68	1.08	1.11
		End of Life	2.62	0.96	1.23	2.63	1.13	1.18	1.06	2.64	1.05	2.62	1.09	1.11	1.58
		Module D	1.90	0.98	1.25	1.07	1.07	1.08	1.04	1.63	1.03	1.00	1.49	1.13	1.19

Multiplying factor for Distribution Phase, Installation Phase, and Use phases for all the products

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-236200	PKNM-16/1N/B/003-MW (Reference)	1.00	1.00	1.00
Y7-170561	FRBMM-C2/1N/03	1.00	1.00	0.44
Y7-177795	FRBM6-C2/1N/003			
Y7-170532	FRBMM-C2/1N/003			
Y7-177746	FRBM6-C2/1N/003-A			
Y7-170614	FRBMM-C2/1N/003-A			
Y7-170643	FRBMM-D2/1N/003-A			
Y7-178113	FRBM6-B4/1N/003			0.47
Y7-177796	FRBM6-C4/1N/003			
Y7-177731	FRBM6-C4/1N/03			
Y7-170533	FRBMM-C4/1N/003			
Y7-178117	FRBM6-B4/1N/003-A			
Y7-178119	FRBM6-B4/1N/03-A			
Y7-177747	FRBM6-C4/1N/003-A			
Y7-170615	FRBMM-C4/1N/003-A			
Y7-170637	FRBMM-D4/1N/003			
Y7-170920	FRBMM-B6/1N/003			
Y7-170534	FRBMM-C6/1N/003			
Y7-170638	FRBMM-D6/1N/003			
Y7-177777	FRBM6-C6/1N/001			0.53
Y7-177797	FRBM6-C6/1N/003			
Y7-177707	FRBM6-C6/1N/01			
Y7-177732	FRBM6-C6/1N/03			
Y7-177962	FRBM6-B6/1N/03-A			
Y7-177922	FRBM6-C6/1N/003-A			
Y7-177972	FRBM6-C6/1N/03-A			
Y7-170702	FRBMM-B6/1N/003-A			
Y7-170664	FRBMM-B6/1N/01-A			
Y7-170616	FRBMM-C6/1N/003-A			
Y7-170684	FRBMM-C6/1N/01-A			
Y7-236945	PXK-B6/1N/003-A			
Y7-236961	PXK-C6/1N/003-A			
Y7-236969	PXK-C6/1N/03-A			
Y7-170546	FRBMM-D6/1N/01-A			
Y7-195136	HNB-C6/1N/003-A			
Y7-195118	HNB-B6/1N/003			0.59
Y7-195124	HNB-C6/1N/003			
Y7-286428	PFL6-6/1N/B/003			
Y7-286464	PFL6-6/1N/C/003			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-263430	PFL7-6/1N/B/003-DE			
Y7-263432	PFL7-6/1N/C/003-DE			
Y7-165711	PFL7-6/1N/C/03			
Y7-236873	PKN4-6/1N/C/003-MW			
Y7-236875	PKN4-6/1N/C/03-MW			
Y7-236007	PKNM-6/1N/B/003-MW			
Y7-236017	PKNM-6/1N/C/003-MW			
Y7-263431	PFL7-6/1N/B/003-A-DE			
Y7-263515	PFL7-6/1N/C/003-A-DE			
Y7-236878	PKN4-6/1N/C/003-A-MW			
Y7-236880	PKN4-6/1N/C/03-A-MW			
Y7-236440	PKN6-6/1N/B/003-A-MW			
Y7-236442	PKN6-6/1N/B/03-A-MW			
Y7-236450	PKN6-6/1N/C/003-A-MW			
Y7-236452	PKN6-6/1N/C/03-A-MW			
Y7-236012	PKNM-6/1N/B/003-A-MW			
Y7-236014	PKNM-6/1N/B/03-A-MW			
Y7-236022	PKNM-6/1N/C/003-A-MW			
Y7-236024	PKNM-6/1N/C/03-A-MW			
Y7-177787	FRBM6-B10/1N/003			0.72
Y7-177723	FRBM6-B10/1N/03			
Y7-177778	FRBM6-C10/1N/001			
Y7-177798	FRBM6-C10/1N/003			
Y7-177733	FRBM6-C10/1N/03			
Y7-177806	FRBM6-D10/1N/003			
Y7-170657	FRBMM-B10/1N/01			
Y7-170564	FRBMM-C10/1N/03			
Y7-170535	FRBMM-C10/1N/003			
Y7-170911	FRBMM-D10/1N/001			
Y7-170639	FRBMM-D10/1N/003			
Y7-177963	FRBM6-B10/1N/03-A			
Y7-177923	FRBM6-C10/1N/003-A			
Y7-177973	FRBM6-C10/1N/03-A			
Y7-177933	FRBM6-D10/1N/003-A			
Y7-170703	FRBMM-B10/1N/003-A			
Y7-170907	FRBMM-C10/1N/001-A			
Y7-170617	FRBMM-C10/1N/003-A			
Y7-170685	FRBMM-C10/1N/01-A			
Y7-170574	FRBMM-C10/1N/03-A			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-236946	PXK-B10/1N/003-A			
Y7-236954	PXK-B10/1N/03-A			
Y7-236962	PXK-C10/1N/003-A			
Y7-236970	PXK-C10/1N/03-A			
Y7-195137	HNB-C10/1N/003-A			
Y7-195119	HNB-B10/1N/003			0.78
Y7-195125	HNB-C10/1N/003			
Y7-286429	PFL6-10/1N/B/003			
Y7-286465	PFL6-10/1N/C/003			
Y7-263434	PFL7-10/1N/B/003-DE			
Y7-263516	PFL7-10/1N/C/003-DE			
Y7-236933	PKN4-10/1N/C/003-MW			
Y7-236935	PKN4-10/1N/C/03-MW			
Y7-236079	PKNM-10/1N/C/03-MW			
Y7-236069	PKNM-10/1N/B/03-MW			
Y7-236505	PKN6-10/1N/C/003-MW			
Y7-236077	PKNM-10/1N/C/003-MW			
Y7-236067	PKNM-10/1N/B/003-MW			
Y7-112877	PFL6-10/1N/C/003-A			
Y7-263435	PFL7-10/1N/B/003-A-DE			
Y7-263517	PFL7-10/1N/C/003-A-DE			
Y7-236938	PKN4-10/1N/C/003-A-MW			
Y7-236940	PKN4-10/1N/C/03-A-MW			
Y7-236500	PKN6-10/1N/B/003-A-MW			
Y7-236510	PKN6-10/1N/C/003-A-MW			
Y7-236072	PKNM-10/1N/B/003-A-MW			
Y7-236074	PKNM-10/1N/B/03-A-MW			
Y7-110404	PKNM-10/1N/C/003-A-GV			
Y7-236082	PKNM-10/1N/C/003-A-MW			
Y7-236084	PKNM-10/1N/C/03-A-MW			
Y7-177799	FRBM6-C13/1N/003			1.06
Y7-170973	FRBMM-B13/1N/001			
Y7-170696	FRBMM-B13/1N/003			
Y7-170536	FRBMM-C13/1N/003			
Y7-170658	FRBMM-B13/1N/01			
Y7-170676	FRBMM-C13/1N/01			
Y7-170977	FRBMM-B13/1N/001-A			
Y7-170704	FRBMM-B13/1N/003-A			
Y7-170666	FRBMM-B13/1N/01-A			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-170609	FRBMM-B13/1N/03-A			
Y7-170908	FRBMM-C13/1N/001-A			
Y7-170618	FRBMM-C13/1N/003-A			
Y7-170686	FRBMM-C13/1N/01-A			
Y7-170575	FRBMM-C13/1N/03-A			
Y7-236947	PXK-B13/1N/003-A			
Y7-236955	PXK-B13/1N/03-A			
Y7-236963	PXK-C13/1N/003-A			
Y7-195132	HNB-B13/1N/003-A			
Y7-195138	HNB-C13/1N/003-A			
Y7-236142	PKNM-13/1N/C/03-MW			0.97
Y7-195120	HNB-B13/1N/003			
Y7-195126	HNB-C13/1N/003			
Y7-263518	PFL7-13/1N/B/003-DE			
Y7-263531	PFL7-13/1N/C/003-DE			
Y7-236128	PKNM-13/1N/B/003-MW			
Y7-236140	PKNM-13/1N/C/003-MW			
Y7-236996	PKN4-13/1N/C/003-MW			
Y7-263532	PFL7-13/1N/C/003-A-DE			
Y7-236563	PKN6-13/1N/B/03-A-MW			
Y7-236133	PKNM-13/1N/B/003-A-MW			
Y7-236135	PKNM-13/1N/B/03-A-MW			
Y7-236145	PKNM-13/1N/C/003-A-MW			
Y7-236147	PKNM-13/1N/C/03-A-MW			
Y7-177774	FRBM6-B16/1N/001			1.13
Y7-177789	FRBM6-B16/1N/003			
Y7-177780	FRBM6-C16/1N/001			
Y7-177352	FRBM6-C16/1N/003			
Y7-177710	FRBM6-C16/1N/01			
Y7-177633	FRBM6-C16/1N/03			
Y7-177808	FRBM6-D16/1N/003			
Y7-170697	FRBMM-B16/1N/003			
Y7-170659	FRBMM-B16/1N/01			
Y7-170984	FRBMM-C16/1N/001			
Y7-170537	FRBMM-C16/1N/003			
Y7-170677	FRBMM-C16/1N/01			
Y7-170566	FRBMM-C16/1N/03			
Y7-170641	FRBMM-D16/1N/003			
Y7-170592	FRBMM-D16/1N/03			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-177965	FRBM6-B16/1N/03-A			
Y7-177764	FRBM6-C16/1N/001-A			
Y7-177925	FRBM6-C16/1N/003-A			
Y7-177950	FRBM6-C16/1N/01-A			
Y7-177975	FRBM6-C16/1N/03-A			
Y7-177770	FRBM6-D16/1N/001-A			
Y7-170978	FRBMM-B16/1N/001-A			
Y7-170705	FRBMM-B16/1N/003-A			
Y7-170667	FRBMM-B16/1N/01-A			
Y7-170610	FRBMM-B16/1N/03-A			
Y7-170921	FRBMM-C16/1N/001-A			
Y7-170619	FRBMM-C16/1N/003-A			
Y7-170687	FRBMM-C16/1N/01-A			
Y7-170576	FRBMM-C16/1N/03-A			
Y7-236948	PXK-B16/1N/003-A			
Y7-236956	PXK-B16/1N/03-A			
Y7-236964	PXK-C16/1N/003-A			
Y7-236972	PXK-C16/1N/03-A			
Y7-195121	HNB-B16/1N/003			1.00
Y7-195127	HNB-C16/1N/003			
Y7-286431	PFL6-16/1N/B/003			
Y7-286467	PFL6-16/1N/C/003			
Y7-263534	PFL7-16/1N/B/003-DE			
Y7-263537	PFL7-16/1N/C/003-DE			
Y7-165626	PFL7-16/1N/C/03			
Y7-237068	PKN4-16/1N/C/003-MW			
Y7-237070	PKN4-16/1N/C/03-MW			
Y7-236640	PKN6-16/1N/C/003-MW			
Y7-236642	PKN6-16/1N/C/03-MW			
Y7-236202	PKNM-16/1N/B/03-MW			
Y7-236212	PKNM-16/1N/C/003-MW			
Y7-236214	PKNM-16/1N/C/03-MW			
Y7-112879	PFL6-16/1N/C/003-A			
Y7-263535	PFL7-16/1N/B/003-A-DE			
Y7-263538	PFL7-16/1N/C/003-A-DE			
Y7-237073	PKN4-16/1N/C/003-A-MW			
Y7-237075	PKN4-16/1N/C/03-A-MW			
Y7-236633	PKN6-16/1N/B/003-A-MW			
Y7-236635	PKN6-16/1N/B/03-A-MW			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-236645	PKN6-16/1N/C/003-A-MW			
Y7-236647	PKN6-16/1N/C/03-A-MW			
Y7-236205	PKNM-16/1N/B/003-A-MW			
Y7-236207	PKNM-16/1N/B/03-A-MW			
Y7-236217	PKNM-16/1N/C/003-A-MW			
Y7-236219	PKNM-16/1N/C/03-A-MW			
Y7-170919	FRBMM-D16/1N/001-A			1.88
Y7-170648	FRBMM-D16/1N/003-A			
Y7-177353	FRBM6-C20/1N/003			1.69
Y7-177634	FRBM6-C20/1N/03			
Y7-177809	FRBM6-D20/1N/003			
Y7-170538	FRBMM-C20/1N/003			
Y7-170678	FRBMM-C20/1N/01			
Y7-170642	FRBMM-D20/1N/003			
Y7-177926	FRBM6-C20/1N/003-A			
Y7-177976	FRBM6-C20/1N/03-A			
Y7-177986	FRBM6-D20/1N/03-A			
Y7-170706	FRBMM-B20/1N/003-A			
Y7-170668	FRBMM-B20/1N/01-A			
Y7-170611	FRBMM-B20/1N/03-A			
Y7-170620	FRBMM-C20/1N/003-A			
Y7-170577	FRBMM-C20/1N/03-A			
Y7-236949	PXK-B20/1N/003-A			
Y7-236957	PXK-B20/1N/03-A			
Y7-236965	PXK-C20/1N/003-A			
Y7-236973	PXK-C20/1N/03-A			
Y7-170593	FRBMM-D20/1N/03			
Y7-195122	HNB-B20/1N/003			1.47
Y7-286432	PFL6-20/1N/B/003			
Y7-263540	PFL7-20/1N/B/003-DE			
Y7-263543	PFL7-20/1N/C/003-DE			
Y7-165652	PFL7-20/1N/C/03			
Y7-237101	PKN4-20/1N/C/003-MW			
Y7-237103	PKN4-20/1N/C/03-MW			
Y7-236235	PKNM-20/1N/B/003-MW			
Y7-236237	PKNM-20/1N/B/03-MW			
Y7-236245	PKNM-20/1N/C/003-MW			
Y7-236247	PKNM-20/1N/C/03-MW			
Y7-263541	PFL7-20/1N/B/003-A-DE			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-237105	PKN4-20/1N/C/003-A-MW			
Y7-237107	PKN4-20/1N/C/03-A-MW			
Y7-236667	PKN6-20/1N/B/003-A-MW			
Y7-236669	PKN6-20/1N/B/03-A-MW			
Y7-236677	PKN6-20/1N/C/003-A-MW			
Y7-236679	PKN6-20/1N/C/03-A-MW			
Y7-236239	PKNM-20/1N/B/003-A-MW			
Y7-236249	PKNM-20/1N/C/003-A-MW			
Y7-177800	FRBM6-C25/1N/003	1.08		1.56
Y7-177735	FRBM6-C25/1N/03			
Y7-170661	FRBMM-B25/1N/01			
Y7-170539	FRBMM-C25/1N/003			
Y7-170568	FRBMM-C25/1N/03			
Y7-177927	FRBM6-C25/1N/003-A			
Y7-177977	FRBM6-C25/1N/03-A			
Y7-170707	FRBMM-B25/1N/003-A			
Y7-170669	FRBMM-B25/1N/01-A			
Y7-170621	FRBMM-C25/1N/003-A			
Y7-170578	FRBMM-C25/1N/03-A			
Y7-236950	PXK-B25/1N/003-A			
Y7-236958	PXK-B25/1N/03-A			
Y7-236966	PXK-C25/1N/003-A			
Y7-236974	PXK-C25/1N/03-A			
Y7-195129	HNB-C25/1N/003		1.50	
Y7-286433	PFL6-25/1N/B/003			
Y7-263546	PFL7-25/1N/B/003-DE			
Y7-263549	PFL7-25/1N/C/003-DE			
Y7-237131	PKN4-25/1N/C/003-MW			
Y7-237133	PKN4-25/1N/C/03-MW			
Y7-236703	PKN6-25/1N/C/003-MW			
Y7-236265	PKNM-25/1N/B/003-MW			
Y7-236267	PKNM-25/1N/B/03-MW			
Y7-236275	PKNM-25/1N/C/003-MW			
Y7-236277	PKNM-25/1N/C/03-MW			
Y7-263547	PFL7-25/1N/B/003-A-DE			
Y7-263550	PFL7-25/1N/C/003-A-DE			
Y7-237135	PKN4-25/1N/C/003-A-MW			
Y7-237137	PKN4-25/1N/C/03-A-MW			
Y7-236697	PKN6-25/1N/B/003-A-MW			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-236699	PKN6-25/1N/B/03-A-MW			
Y7-236707	PKN6-25/1N/C/003-A-MW			
Y7-236709	PKN6-25/1N/C/03-A-MW			
Y7-236269	PKNM-25/1N/B/003-A-MW			
Y7-236271	PKNM-25/1N/B/03-A-MW			
Y7-236279	PKNM-25/1N/C/003-A-MW			
Y7-236281	PKNM-25/1N/C/03-A-MW			
Y7-177801	FRBM6-C32/1N/003			1.91
Y7-177736	FRBM6-C32/1N/03			
Y7-170612	FRBMM-C32/1N/003			
Y7-170569	FRBMM-C32/1N/03			
Y7-177744	FRBM6-B32/1N/003-A			
Y7-177928	FRBM6-C32/1N/003-A			
Y7-177978	FRBM6-C32/1N/03-A			
Y7-170622	FRBMM-C32/1N/003-A			
Y7-170680	FRBMM-C32/1N/01			
Y7-170690	FRBMM-C32/1N/01-A			
Y7-236951	PXK-B32/1N/003-A			
Y7-236967	PXK-C32/1N/003-A			
Y7-236975	PXK-C32/1N/03-A			
Y7-165673	PFL7-32/1N/C/03			2.06
Y7-237161	PKN4-32/1N/C/003-MW			
Y7-237163	PKN4-32/1N/C/03-MW			
Y7-236733	PKN6-32/1N/C/003-MW			
Y7-236295	PKNM-32/1N/B/003-MW			
Y7-236305	PKNM-32/1N/C/003-MW			
Y7-236307	PKNM-32/1N/C/03-MW			
Y7-237165	PKN4-32/1N/C/003-A-MW			
Y7-237167	PKN4-32/1N/C/03-A-MW			
Y7-236727	PKN6-32/1N/B/003-A-MW			
Y7-236729	PKN6-32/1N/B/03-A-MW			
Y7-236737	PKN6-32/1N/C/003-A-MW			
Y7-236739	PKN6-32/1N/C/03-A-MW			
Y7-236309	PKNM-32/1N/C/003-A-MW			
Y7-177729	FRBM6-B40/1N/03			2.56
Y7-177802	FRBM6-C40/1N/003			
Y7-177737	FRBM6-C40/1N/03			
Y7-170570	FRBMM-C40/1N/03			
Y7-236336	PKNM-40/1N/C/03-MW			

Product	RCBO Model Code	Distribution Phase	Installation Phase	Use Phase (Commercial Application) (Only B6)
Y7-177745	FRBM6-B40/1N/003-A			
Y7-177929	FRBM6-C40/1N/003-A			
Y7-177979	FRBM6-C40/1N/03-A			
Y7-170613	FRBMM-C40/1N/003			
Y7-170623	FRBMM-C40/1N/003-A			
Y7-170580	FRBMM-C40/1N/03-A	1.00		2.94
Y7-236952	PXK-B40/1N/003-A	1.08		
Y7-236968	PXK-C40/1N/003-A			
Y7-237190	PKN4-40/1N/C/003-MW			
Y7-237192	PKN4-40/1N/C/03-MW			
Y7-236324	PKNM-40/1N/B/003-MW			
Y7-237194	PKN4-40/1N/C/003-A-MW			
Y7-237196	PKN4-40/1N/C/03-A-MW			
Y7-236756	PKN6-40/1N/B/003-A-MW			
Y7-236766	PKN6-40/1N/C/003-A-MW			
Y7-236330	PKNM-40/1N/B/03-A-MW			
Y7-236338	PKNM-40/1N/C/003-A-MW			

For part numbers intended for industrial application as well, the Use Phase (B6) impacts of commercial/residential application of specific part number should be multiplied by 11.11 to calculate impacts for Industrial application of that specific part number. The impact for other phases remains same for all applications.

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

Registration Number	EATO-00114-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
Verifier accreditation Number	VH54	Supplemented by	PSR-0005-ed3-EN-2023 06 06
Date of issue	05-2024	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 »			