



Mechanical RCCB

Representative product	PFIM-40/4/003-G/A-MW (Mechanical RCCB) (Y7-235454) Product Category: Blocks and differential switches
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, against short circuits.
Homogeneous Environmental Families Covered	The PEP concerns following product offerings from Eaton Moeller series xPole - PFIM Type AC, A, U, R RCCB as mentioned below: Series: PFIM, FRCMM, PF6, PF7, PFGM, PXF, EAM No. of Poles: 2, 4 Rated current: 16, 25, 40, 63, 80, 100 A Tripping Curves: A, G, G/A, G/F, GV, KV/A, R, S, S/A, S/F, U, X, XA, XG, XG/A, XS/A, XU
Functional unit	"Protect the installation against people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage 400V, rated current 40A, with 4 poles, a rated breaking capacity 10kA, the tripping curve G/A, the sensitivity 30mA, and the differential protection type A, in the Household/Commercial, 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	3.99E-01 kg (With packaging)		
Category PEP Material	Materials	Mass (kg)	Percentage (%)
Plastics	Polyamide	1.27E-01	31.8%
Metals	Steel	7.61E-02	19.1%
Metals	Copper	5.08E-02	12.8%
Plastics	PTFE	3.61E-02	9.1%
Others	Electronic Component	3.07E-02	7.7%
Metals	Stainless Steel	2.66E-02	6.7%
Others	Carton	1.24E-02	3.1%
Plastics	PES	1.18E-02	3.0%
Others	Wood	1.17E-02	2.9%
Plastics	PC	2.95E-03	0.7%
Others	Label	2.89E-03	0.7%
Metals	Nickel	2.53E-03	0.6%
Metals	Silver	2.18E-03	0.5%
Others	Paper	1.86E-03	0.5%
Plastics	Polyester	5.09E-04	0.1%
Others	Miscellaneous	2.59E-03	0.6%
Total		3.99E-01	100.00%

Substance Assessment

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

Additional Environmental Information

Manufacturing	The reference product is assembled at an Eaton plant Sarbi, Romania holding management system certifications according to ISO 14001 standards.
Distribution	Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.
Installation	The installation process does not require any energy consumption and there is no waste other than the obsolete product packaging generated during this step.
Use	The product requires energy consumption during operation.
End of life	The recyclability rate of the overall product is 73% 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, Sarbi, Romania plant. Energy model used: Romania
Distribution Phase	Distribution of the product in its packaging from the Eaton's last logistics platform to the installation place in Europe is considered as per PCR rules.
Installation Phase	Product is installed in Europe. Installation of product and treatment of packaging waste are considered in this phase. There is no energy consumption for reference product. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: The product has power loss of 13.1 W at full load condition. For commercial applications considering 20% of the loading rate and 30% use time rate, total losses are 27.54 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. 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 environmental impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (Only B6)	End of life	Module-D
Resource use, minerals and metals - ADPe	kg SB eq.	2.93E-03	2.92E-03	3.74E-09	5.22E-10	8.18E-07	1.00E-05	-1.54E-03
Resource use, fossils - ADPf	MJ	4.04E+02	9.05E+01	1.33E+00	1.89E-01	2.88E+02	2.43E+01	-3.51E+01
Acidification - AP	mole of H ⁺ eq.	9.66E-02	2.83E-02	6.02E-04	5.87E-05	6.44E-02	3.23E-03	-9.59E-03
Eutrophication, freshwater - Epf	kg P eq.	5.04E-04	1.55E-04	3.57E-08	3.00E-07	3.09E-05	3.17E-04	-7.15E-06
Eutrophication marine - Epm	kg N eq.	1.19E-02	3.87E-03	2.82E-04	2.79E-05	7.32E-03	4.51E-04	-1.64E-03

Mandatory environmental impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (Only B6)	End of life	Module-D
Eutrophication, terrestrial - Ept	mol N eq.	1.53E-01	3.47E-02	3.10E-03	1.84E-04	1.10E-01	5.10E-03	-1.07E-02
Climate change - GWP	kg CO ₂ eq.	1.86E+01	6.68E+00	9.52E-02	2.90E-02	1.13E+01	5.25E-01	-1.52E+00
Climate change-Biogenic - GWPb	kg CO ₂ eq.	5.32E-02	2.72E-02	0.00E+00	8.69E-04	1.51E-02	1.00E-02	-3.27E-03
Climate change-Fossil - GWPf	kg CO ₂ eq.	1.86E+01	6.65E+00	9.52E-02	2.82E-02	1.13E+01	5.15E-01	-1.51E+00
Climate change-Land use and land use change - GWPlu	kg CO ₂ eq.	3.78E-07	1.60E-07	0.00E+00	-1.39E-10	0.00E+00	2.18E-07	0.00E+00
Ozone depletion - ODP	kg CFC-11 eq.	4.57E-05	4.56E-05	1.46E-10	2.64E-10	4.83E-08	4.28E-08	-7.19E-08
Photochemical ozone formation - human health - POCP	kg NMVOC eq.	3.72E-02	1.13E-02	7.81E-04	4.53E-05	2.35E-02	1.57E-03	-3.44E-03
Water use - WU	m ³ eq	2.94E+00	1.82E+00	3.61E-04	2.19E-03	3.99E-01	7.12E-01	-9.41E-01

Inventory Flow Indicators: 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	5.80E+01	2.35E+00	1.77E-03	7.60E-02	5.52E+01	3.67E-01	-3.06E-01
Use of renewable primary energy resources used as raw material	MJ	5.09E-01	5.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.71E-01
Total use of renewable primary energy resources	MJ	5.85E+01	2.86E+00	1.77E-03	7.60E-02	5.52E+01	3.67E-01	-5.77E-01
Use of nonrenewable primary energy excluding nonrenewable primary energy used as raw material	MJ	4.00E+02	8.66E+01	1.33E+00	1.89E-01	2.88E+02	2.43E+01	-3.24E+01
Use of nonrenewable primary energy resources used as raw material	MJ	3.99E+00	3.99E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.77E+00
Total use of non-renewable primary energy resources	MJ	4.04E+02	9.05E+01	1.33E+00	1.89E-01	2.88E+02	2.43E+01	-3.51E+01
Use of secondary material	kg	6.82E-02	6.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.54E-02
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 nonrenewable 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	m ³	6.93E-02	4.25E-02	8.41E-06	5.11E-05	9.30E-03	1.75E-02	-2.19E-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	3.50E-01	7.39E-02	0.00E+00	3.78E-03	0.00E+00	2.73E-01	-2.52E-09
Materials for energy recovery	kg	9.55E-03	4.43E-04	0.00E+00	5.31E-03	0.00E+00	3.80E-03	0.00E+00
Exported Energy	MJ	3.86E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	0.00E+00
Hazardous waste disposed	kg	1.18E+01	1.11E+01	0.00E+00	4.60E-04	2.11E-01	4.02E-01	-6.47E+00
Non-hazardous waste disposed	kg	4.93E+00	2.89E+00	3.34E-03	1.65E-02	1.62E+00	3.98E-01	-9.43E-01
Radioactive waste disposed	kg	2.38E-03	1.77E-03	2.38E-06	1.12E-06	3.40E-04	2.66E-04	-8.23E-05
Biogenic carbon content of the product	kg C	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Inventory flow indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (Only B6)	End of life	Module-D
Biogenic carbon content of the associated packaging	kg C	9.87E-03	9.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	Manufacturing	Distribution	Installation	Use (Only B6)	End of life	Module-D
Ecotoxicity, freshwater	CTUe	2.06E+02	5.50E+01	6.41E-02	2.47E-01	1.22E+02	2.88E+01	-1.21E+01
Human toxicity, cancer	CTUh-c	2.94E-07	1.22E-07	1.67E-12	2.10E-09	1.32E-09	1.68E-07	-5.38E-08
Human toxicity, non-cancer	CTUh-nc	3.14E-07	2.30E-07	1.81E-10	1.01E-10	5.22E-08	3.18E-08	-4.43E-08
Ionising radiation, human health	kBq U ²³⁵ eq.	2.19E+01	5.06E+00	2.32E-04	2.87E-03	1.68E+01	4.79E-02	-3.68E+00
Land use	--	1.67E+00	5.06E-01	0.00E+00	1.86E-03	2.25E-01	9.40E-01	-1.23E-04
EF-particulate Matter	Disease occurrence	7.79E-07	2.54E-07	4.90E-09	3.51E-10	5.00E-07	2.01E-08	-1.07E-07
Total Primary Energy	MJ	4.63E+02	9.34E+01	1.33E+00	2.65E-01	3.43E+02	2.47E+01	-3.57E+01

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

Factors for Manufacturing, End-of-Life Phase:

Product Number	Part Number	Phases	ADPe	ADPf	AP	Epf	Epm	Ept	GWP	GWPb	GWPf	GWPlu	ODP	POCP	WU
PFIM-40/4/003-G/A-MW (Reference)	Y7-235454	Manufacturing	1.00												
		End of Life													
PFIM-40/2/003-G/A	Y7-108045	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-16/2/003-G/A	Y7-170382	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-16/2/003-G/F	Y7-187365	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-25/2/003-G/F	Y7-187366	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
PFIM-25/2/003-G/F	Y7-187449	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
PFIM-40/2/003-G/F	Y7-187450	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
PFIM-25/2/03-G/F	Y7-187452	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
	Y7-187453	Manufacturing	0.55	0.66	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65

Product Number	Part Number	Phases	ADPe	ADPf	AP	Epf	Epm	Ept	GWP	GWPb	GWPf	GWPlu	ODP	POCP	WU
PFIM-40/2/03-G/F		End of Life	0.53	0.68	0.49	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
PFIM-40/2/01-G/A-MW	Y7-109429	Manufacturing	0.55	0.67	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.50	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-16/2/01-S/A	Y7-170330	Manufacturing	0.55	0.67	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.50	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-25/2/01-G/F	Y7-187372	Manufacturing	0.55	0.67	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.50	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-25/2/01-S/F	Y7-187390	Manufacturing	0.55	0.67	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.50	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
FRCMM-25/2/03-S/F	Y7-187396	Manufacturing	0.55	0.67	0.57	0.55	0.58	0.58	0.48	0.52	0.48	0.55	0.55	0.58	0.65
		End of Life	0.53	0.68	0.50	0.53	0.56	0.52	0.59	0.53	0.60	0.53	0.54	0.56	0.64
PFIM-40/2/03-S-MW	Y7-235461	Manufacturing	0.56	0.67	0.57	0.56	0.58	0.59	0.49	0.52	0.49	0.56	0.56	0.59	0.65
		End of Life	0.54	0.69	0.51	0.54	0.57	0.54	0.60	0.54	0.61	0.54	0.55	0.57	0.65
PFIM-25/2/003-G-MW	Y7-235449	Manufacturing	0.56	0.68	0.56	0.56	0.59	0.59	0.49	0.52	0.49	0.56	0.56	0.59	0.65
		End of Life	0.55	0.70	0.52	0.55	0.58	0.55	0.61	0.55	0.62	0.55	0.57	0.58	0.66
PFIM-40/2/01-G-MW	Y7-235452	Manufacturing	0.56	0.68	0.56	0.56	0.59	0.59	0.49	0.52	0.49	0.56	0.56	0.59	0.65
		End of Life	0.55	0.70	0.52	0.55	0.58	0.55	0.61	0.55	0.62	0.55	0.57	0.58	0.66
PFIM-40/2/01-S-MW	Y7-235460	Manufacturing	0.56	0.68	0.56	0.56	0.59	0.59	0.49	0.52	0.49	0.56	0.56	0.59	0.65
		End of Life	0.55	0.70	0.52	0.55	0.58	0.55	0.61	0.55	0.62	0.55	0.57	0.58	0.66
FRCMM-63/2/03-S/A	Y7-180636	Manufacturing	0.57	0.68	0.56	0.57	0.59	0.59	0.49	0.52	0.49	0.57	0.57	0.59	0.65
		End of Life	0.55	0.70	0.53	0.55	0.59	0.55	0.62	0.55	0.62	0.55	0.57	0.59	0.66
PFIM-40/2/003-G-MW	Y7-235451	Manufacturing	0.57	0.68	0.56	0.57	0.59	0.59	0.49	0.52	0.49	0.57	0.57	0.59	0.65
		End of Life	0.55	0.70	0.53	0.55	0.59	0.55	0.62	0.55	0.62	0.55	0.57	0.59	0.66
PFIM-63/2/003-G/A	Y7-108046	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/01-G/A	Y7-170286	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-16/2/03-G/A	Y7-170290	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/03-G/A	Y7-170292	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/003-G/A	Y7-170384	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/01-S/A	Y7-170438	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/003-G/F	Y7-187367	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-25/2/03-G/F	Y7-187378	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
	Y7-187379	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWPl _u	ODP	POCP	WU
FRCMM-40/2/03-G/F		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-40/2/03-S/F	Y7-187397	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
PFIM-63/2/003-G/F	Y7-187451	Manufacturing	0.58	0.69	0.55	0.58	0.61	0.60	0.50	0.51	0.50	0.58	0.58	0.60	0.65
		End of Life	0.57	0.72	0.55	0.57	0.61	0.57	0.64	0.57	0.64	0.57	0.59	0.61	0.68
FRCMM-63/2/01-S/A	Y7-170439	Manufacturing	0.59	0.70	0.55	0.59	0.61	0.61	0.51	0.51	0.51	0.59	0.59	0.60	0.65
		End of Life	0.57	0.73	0.55	0.57	0.61	0.58	0.64	0.57	0.65	0.57	0.60	0.61	0.68
PFIM-63/2/003-A-MW	Y7-235431	Manufacturing	0.61	0.71	0.54	0.61	0.63	0.62	0.52	0.51	0.52	0.61	0.61	0.61	0.65
		End of Life	0.60	0.75	0.58	0.60	0.64	0.61	0.67	0.60	0.68	0.60	0.63	0.64	0.71
EAM402H	Y7-EAM402H	Manufacturing	0.61	0.72	0.54	0.61	0.63	0.63	0.53	0.50	0.53	0.61	0.61	0.61	0.66
		End of Life	0.61	0.76	0.60	0.61	0.65	0.62	0.68	0.61	0.69	0.61	0.64	0.65	0.71
EAM802L	Y7-EAM802L	Manufacturing	0.62	0.73	0.54	0.62	0.64	0.63	0.53	0.50	0.53	0.62	0.62	0.62	0.66
		End of Life	0.61	0.77	0.61	0.61	0.66	0.63	0.69	0.61	0.70	0.61	0.65	0.66	0.72
EAM1002M	Y7-EAM1002M	Manufacturing	0.63	0.73	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.62	0.78	0.62	0.62	0.67	0.64	0.70	0.62	0.70	0.62	0.66	0.67	0.73
PF7-40/2/003-G/A	Y7-166826	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-25/2/003-G/A-NA	Y7-167119	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-25/2/003-G/A-NA-110	Y7-167693	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-40/2/003-G/A-NA-110	Y7-167694	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-63/2/003-G/A-NA-110	Y7-167695	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-25/2/03-G/A-NA-110	Y7-167696	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
FRCMM-63/2/03-G/A-NA-110	Y7-167698	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
PF7-25/2/003-G-DE	Y7-263619	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
PF7-40/2/01-G-DE	Y7-263622	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
PF7-40/2/01-S-DE	Y7-263629	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
PF7-40/2/03-S-DE	Y7-263630	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
	Y7-110089	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66

Product Number	Part Number	Phases	ADPe	ADPf	AP	Epf	Epm	Ept	GWP	GWPb	GWPf	GWPlu	ODP	POCP	WU
PFIM-40/2/003-X		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
EAM632M	Y7-EAM632M	Manufacturing	0.63	0.74	0.53	0.63	0.65	0.64	0.54	0.50	0.54	0.63	0.63	0.62	0.66
		End of Life	0.63	0.78	0.62	0.63	0.68	0.64	0.70	0.63	0.71	0.63	0.66	0.68	0.73
EAM1002H	Y7-EAM1002H	Manufacturing	0.64	0.75	0.53	0.64	0.66	0.65	0.55	0.50	0.55	0.64	0.64	0.63	0.66
		End of Life	0.64	0.79	0.64	0.64	0.69	0.66	0.71	0.64	0.72	0.64	0.68	0.69	0.74
EAM632H	Y7-EAM632H	Manufacturing	0.66	0.76	0.53	0.66	0.67	0.66	0.56	0.50	0.56	0.66	0.66	0.64	0.66
		End of Life	0.65	0.80	0.66	0.65	0.71	0.68	0.73	0.65	0.74	0.65	0.70	0.71	0.76
EAM802RH	Y7-EAM802RH	Manufacturing	0.66	0.76	0.53	0.66	0.68	0.66	0.56	0.50	0.56	0.66	0.66	0.64	0.67
		End of Life	0.66	0.81	0.67	0.66	0.72	0.69	0.74	0.66	0.75	0.66	0.71	0.72	0.77
EAM802H	Y7-EAM802H	Manufacturing	0.67	0.76	0.53	0.67	0.68	0.66	0.57	0.50	0.57	0.67	0.67	0.64	0.67
		End of Life	0.66	0.81	0.67	0.66	0.72	0.69	0.74	0.66	0.75	0.66	0.71	0.72	0.77
FRCMM-40/4/003-G/A-NA-110	Y7-167706	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF6-40/4/003-G	Y7-165772	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-80/4/003-G	Y7-166829	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
FRCMM-25/4/003-G/A-NA	Y7-167107	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
FRCMM-40/4/003-G/A-NA	Y7-167108	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
FRCMM-40/4/03-G/A-NA	Y7-167111	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
FRCMM-63/4/03-G/A-NA	Y7-167112	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-40/4/003-G-DE	Y7-263623	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-40/4/01-G-DE	Y7-263624	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-63/4/003-G-DE	Y7-263625	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-40/4/01-S/A-DE	Y7-263632	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-40/4/03-S/A-DE	Y7-263633	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-63/4/01-S/A-DE	Y7-263634	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-63/4/03-S/A-DE	Y7-263635	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96

Product Number	Part Number	Phases	ADPe	ADPf	AP	Epf	Epm	Ept	GWP	GWPb	GWPf	GWPlu	ODP	POCP	WU
PF7-40/4/01-U-DE	Y7-263638	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-40/4/03-U-DE	Y7-263639	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-63/4/01-U-DE	Y7-263640	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-63/4/03-U-DE	Y7-263641	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFGM-25/4/03-S	Y7-264299	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFGM-63/4/03-S	Y7-264311	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFIM-40/4/03-S/A-MB	Y7-274061	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFIM-63/4/03-S/A-MB	Y7-274063	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFIM-80/4/03-S/A-MB	Y7-274064	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PF7-100/4/03-U-DE	Y7-292496	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
EAM1004L	Y7-EAM1004L	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
EAM634L	Y7-EAM634L	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
EAM634M	Y7-EAM634M	Manufacturing	0.92	0.94	0.75	0.92	0.91	0.89	0.85	0.75	0.85	0.92	0.92	0.87	0.85
		End of Life	0.91	0.98	0.94	0.91	0.95	0.95	0.96	0.91	0.96	0.91	0.96	0.95	0.96
PFGM-40/4/003-A-GV	Y7-142266	Manufacturing	0.93	0.95	0.79	0.93	0.92	0.91	0.88	0.79	0.88	0.93	0.93	0.89	0.87
		End of Life	0.93	0.98	0.95	0.93	0.96	0.96	0.97	0.93	0.97	0.93	0.97	0.97	0.97
EAM404M	Y7-EAM404M	Manufacturing	0.94	0.96	0.82	0.94	0.94	0.92	0.89	0.82	0.89	0.94	0.94	0.90	0.89
		End of Life	0.94	0.99	0.96	0.94	0.97	0.97	0.98	0.94	0.98	0.94	0.97	0.97	0.97
PFIM-40/4/01-G-MW	Y7-235455	Manufacturing	0.96	0.97	0.85	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.92	0.91
		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
FRCMM-25/4/03-U	Y7-170463	Manufacturing	0.96	0.97	0.86	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.93	0.92
		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
PFIM-40/4/03-S/A-MW	Y7-235468	Manufacturing	0.96	0.97	0.86	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.93	0.92
		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
PFIM-40/4/03-U	Y7-235745	Manufacturing	0.96	0.97	0.86	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.93	0.92
		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
PXF-40/4/05-A	Y7-236779	Manufacturing	0.96	0.97	0.86	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.93	0.92
		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
	Y7-290225	Manufacturing	0.96	0.97	0.86	0.96	0.95	0.94	0.92	0.86	0.92	0.96	0.96	0.93	0.92

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWPl _u	ODP	POCP	WU
PXF-40/4/03-S/A-BRD		End of Life	0.95	0.99	0.97	0.95	0.98	0.98	0.98	0.95	0.98	0.95	0.98	0.98	0.98
FRCMM-16/4/01-G/A	Y7-170299	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-40/4/03-S	Y7-170326	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-25/4/03-G	Y7-170377	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-40/4/03-S/A	Y7-170448	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-25/4/01-G/F	Y7-187414	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-25/4/03-G/F	Y7-187420	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-25/4/01-S/F	Y7-187432	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-25/4/03-S/F	Y7-187438	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-25/4/01-S/A-MW	Y7-235464	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-40/4/01-S/A-MW	Y7-235467	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-40/4/03-XS/A	Y7-235741	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-40/4/01-U	Y7-235744	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-40/4/03-XU	Y7-235749	Manufacturing	0.97	0.98	0.90	0.97	0.97	0.96	0.94	0.90	0.94	0.97	0.97	0.95	0.94
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-63/4/01-G/A-MW	Y7-109771	Manufacturing	0.97	0.98	0.91	0.97	0.97	0.96	0.95	0.91	0.95	0.97	0.97	0.95	0.95
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-40/4/01-G/A	Y7-170301	Manufacturing	0.97	0.98	0.91	0.97	0.97	0.96	0.95	0.91	0.95	0.97	0.97	0.95	0.95
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-63/4/01-G-MW	Y7-235458	Manufacturing	0.97	0.98	0.91	0.97	0.97	0.96	0.95	0.91	0.95	0.97	0.97	0.95	0.95
		End of Life	0.97	1.00	0.98	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-63/4/03-S/A-MW	Y7-235472	Manufacturing	0.98	0.98	0.92	0.98	0.97	0.97	0.95	0.92	0.95	0.98	0.98	0.96	0.95
		End of Life	0.97	1.00	0.99	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-40/4/003-XA	Y7-235739	Manufacturing	0.98	0.98	0.92	0.98	0.97	0.97	0.95	0.92	0.95	0.98	0.98	0.96	0.95
		End of Life	0.97	1.00	0.99	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
PFIM-63/4/03-U	Y7-235747	Manufacturing	0.98	0.98	0.92	0.98	0.97	0.97	0.95	0.92	0.95	0.98	0.98	0.96	0.95
		End of Life	0.97	1.00	0.99	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
	Y7-290227	Manufacturing	0.98	0.98	0.92	0.98	0.97	0.97	0.95	0.92	0.95	0.98	0.98	0.96	0.95

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWPl _u	ODP	POCP	WU
PXF-63/4/03-S/A-BRD		End of Life	0.97	1.00	0.99	0.97	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.99	0.99
FRCMM-40/4/01-S/A	Y7-170444	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
FRCMM-40/4/01-U	Y7-170460	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
PFIM-40/4/01-X	Y7-235738	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
PFIM-40/4/01-XS/A	Y7-235740	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
PFIM-40/4/01-XU	Y7-235748	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
PFIM-40/4/01-XG	Y7-274292	Manufacturing	0.98	0.99	0.93	0.98	0.98	0.97	0.96	0.93	0.96	0.98	0.98	0.96	0.96
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
EAM404H	Y7-EAM404H	Manufacturing	0.98	0.99	0.94	0.98	0.98	0.98	0.97	0.95	0.97	0.98	0.98	0.97	0.97
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
PFIM-63/4/01-X	Y7-274296	Manufacturing	0.98	0.99	0.94	0.98	0.98	0.98	0.97	0.95	0.97	0.98	0.98	0.97	0.97
		End of Life	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.99	0.98	0.99	0.99	0.99
FRCMM-40/4/05-A	Y7-170348	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-63/4/03-S/A	Y7-170449	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-63/4/03-U	Y7-170465	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-63/4/01-S/A-MW	Y7-235471	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-63/4/01-U	Y7-235746	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-63/4/03-XS/A	Y7-274295	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PXF-63/4/03-KV/A	Y7-290223	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-63/4/03-XA	Y7-293305	Manufacturing	1.00	1.00	0.99	1.00	1.00	1.00	0.99	0.99	0.99	1.00	1.00	1.00	0.99
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PXF-40/4/003-KV/A	Y7-102885	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-25/4/003-G/A	Y7-170294	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-25/4/003-U	Y7-170453	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Y7-187359	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWPl _u	ODP	POCP	WU
PFIM-25/4/03-G/F		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-40/4/03-G/F	Y7-187360	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-40/4/03-S/F	Y7-187363	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-16/4/003-G/F	Y7-187407	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-25/4/003-G/F	Y7-187408	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-25/4/003-G/F	Y7-187455	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PFIM-40/4/003-G/F	Y7-187456	Manufacturing	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRCMM-63/4/01-S/A	Y7-170445	Manufacturing	1.01	1.00	1.02	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01
		End of Life	1.01	1.00	1.00	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
FRCMM-63/4/01-U	Y7-170461	Manufacturing	1.01	1.00	1.02	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01
		End of Life	1.01	1.00	1.00	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
PFIM-63/4/01-XS/A	Y7-274294	Manufacturing	1.01	1.00	1.02	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01
		End of Life	1.01	1.00	1.00	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
PFIM-63/4/01-XA	Y7-293304	Manufacturing	1.01	1.00	1.02	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01
		End of Life	1.01	1.00	1.00	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
PFIM-63/4/01-XG	Y7-293306	Manufacturing	1.01	1.00	1.02	1.01	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01
		End of Life	1.01	1.00	1.00	1.01	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
PFIM-80/4/03-S/A-MW	Y7-235475	Manufacturing	1.02	1.02	1.09	1.02	1.03	1.04	1.05	1.09	1.05	1.02	1.02	1.05	1.05
		End of Life	1.03	1.00	1.01	1.03	1.01	1.01	1.01	1.03	1.01	1.03	1.01	1.01	1.01
PFIM-80/4/03-U	Y7-290221	Manufacturing	1.02	1.02	1.09	1.02	1.03	1.04	1.05	1.09	1.05	1.02	1.02	1.05	1.05
		End of Life	1.03	1.00	1.01	1.03	1.01	1.01	1.01	1.03	1.01	1.03	1.01	1.01	1.01
PFIM-40/4/003-G-MW	Y7-235453	Manufacturing	1.03	1.02	1.10	1.03	1.03	1.04	1.05	1.10	1.05	1.03	1.03	1.05	1.06
		End of Life	1.03	1.00	1.01	1.03	1.01	1.01	1.01	1.03	1.01	1.03	1.01	1.01	1.01
PFIM-63/4/003-XG/A	Y7-103016	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/003-G/A	Y7-170296	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/03-G/A	Y7-170305	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/003-G	Y7-170370	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/003-U	Y7-170455	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
	Y7-187410	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWPl _u	ODP	POCP	WU
FRCMM-63/4/003-G/F		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/03-G/F	Y7-187422	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/01-S/F	Y7-187434	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-63/4/03-S/F	Y7-187440	Manufacturing	1.04	1.03	1.17	1.04	1.05	1.06	1.09	1.17	1.09	1.04	1.04	1.08	1.10
		End of Life	1.05	1.00	1.02	1.05	1.01	1.01	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-80/4/03-S/A	Y7-170450	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-100/4/03-S/A	Y7-170451	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-80/4/03-U	Y7-170466	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-100/4/03-U	Y7-170467	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
PFIM-100/4/03-S/A	Y7-290220	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
PFIM-100/4/03-U	Y7-290222	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
PFIM-63/4/003-XA	Y7-294163	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
PFIM-63/4/003-X	Y7-274293	Manufacturing	1.05	1.03	1.21	1.05	1.06	1.08	1.11	1.20	1.11	1.05	1.05	1.10	1.12
		End of Life	1.05	1.00	1.02	1.05	1.01	1.02	1.01	1.05	1.01	1.05	1.01	1.01	1.02
FRCMM-40/4/003-G/A	Y7-170295	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/03-G/A	Y7-170304	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/003-G	Y7-170369	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/003-U	Y7-170454	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
PFIM-63/4/003-G/F	Y7-187358	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
PFIM-63/4/03-G/F	Y7-187361	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
PFIM-63/4/03-S/F	Y7-187364	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/003-G/F	Y7-187409	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
	Y7-187415	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13

Product Number	Part Number	Phases	ADPe	ADPf	AP	Ep _f	E _{pm}	E _{pt}	GWP	GWP _b	GWP _f	GWP _{lu}	ODP	POCP	WU
FRCMM-40/4/01-G/F		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/03-G/F	Y7-187421	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/01-S/F	Y7-187433	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
FRCMM-40/4/03-S/F	Y7-187439	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
PFIM-40/4/003-XG/A	Y7-235743	Manufacturing	1.06	1.04	1.23	1.06	1.07	1.09	1.12	1.22	1.12	1.06	1.06	1.11	1.13
		End of Life	1.06	1.00	1.02	1.06	1.01	1.02	1.01	1.06	1.01	1.06	1.01	1.01	1.02
PFIM-80/4/003-G	Y7-104385	Manufacturing	1.07	1.04	1.28	1.07	1.08	1.10	1.14	1.27	1.14	1.07	1.07	1.13	1.16
		End of Life	1.07	1.00	1.02	1.07	1.02	1.02	1.01	1.07	1.01	1.07	1.01	1.01	1.02
FRCMM-100/4/03-G/A	Y7-170307	Manufacturing	1.08	1.05	1.33	1.08	1.09	1.12	1.17	1.32	1.17	1.08	1.08	1.16	1.19
		End of Life	1.08	1.00	1.03	1.08	1.02	1.02	1.01	1.08	1.01	1.08	1.01	1.01	1.03
FRCMM-80/4/03-S/F	Y7-187441	Manufacturing	1.08	1.05	1.33	1.08	1.09	1.12	1.17	1.32	1.17	1.08	1.08	1.16	1.19
		End of Life	1.08	1.00	1.03	1.08	1.02	1.02	1.01	1.08	1.01	1.08	1.01	1.01	1.03
PXF-63/4/003-KV/A	Y7-102939	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-80/4/03-A-MW	Y7-235448	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-63/4/003-G-MW	Y7-235456	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-63/4/003-G/A-MW	Y7-235457	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-63/4/003-R-MW	Y7-235459	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-80/4/01-S-MW	Y7-235473	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-40/4/003-XG	Y7-235742	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-63/4/003-U	Y7-285465	Manufacturing	1.08	1.05	1.37	1.08	1.10	1.13	1.19	1.36	1.19	1.08	1.08	1.18	1.21
		End of Life	1.09	1.00	1.03	1.09	1.02	1.02	1.01	1.09	1.01	1.09	1.01	1.01	1.03
PFIM-100/4/003-G	Y7-104383	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
FRCMM-80/4/003-G/A	Y7-170297	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
FRCMM-100/4/003-G/A	Y7-170298	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
FRCMM-100/4/003-R	Y7-170313	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
	Y7-170456	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23

Product Number	Part Number	Phases	ADPe	ADPf	AP	EpF	Epm	Ept	GWP	GWPb	GWPf	GWPlu	ODP	POCP	WU
FRCMM-80/4/003-U		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
FRCMM-100/4/003-U	Y7-170457	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
FRCMM-80/4/003-G/F	Y7-187411	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03
PFIM-100/4/003-G/A	Y7-102875	Manufacturing	1.09	1.06	1.40	1.09	1.11	1.14	1.20	1.39	1.20	1.09	1.09	1.19	1.23
		End of Life	1.10	0.99	1.03	1.10	1.02	1.02	1.01	1.10	1.01	1.10	1.00	1.01	1.03

Factors for Use Phase, Distribution Phase, Installation Phase and Module-D Phase

Part Number	Product Description	Use Commercial application (Only B6)	Distribution	Installation	Module-D
Y7-235454	PFIM-40/4/003-G/A-MW (Reference)	1.00	1.00	1.00	1.00
Y7-108045	PFIM-40/2/003-G/A	0.44	0.55	0.72	0.55
Y7-170382	FRCMM-16/2/003-G/A	0.09	0.55	0.72	0.55
Y7-187365	FRCMM-16/2/003-G/F	0.15	0.55	0.72	0.55
Y7-187366	FRCMM-25/2/003-G/F	0.15	0.55	0.72	0.55
Y7-187449	PFIM-25/2/003-G/F	0.15	0.55	0.72	0.55
Y7-187450	PFIM-40/2/003-G/F	0.60	0.55	0.72	0.55
Y7-187452	PFIM-25/2/03-G/F	0.15	0.55	0.72	0.55
Y7-187453	PFIM-40/2/03-G/F	0.60	0.55	0.72	0.55
Y7-109429	PFIM-40/2/01-G/A-MW	0.41	0.55	0.72	0.55
Y7-170330	FRCMM-16/2/01-S/A	0.22	0.55	0.72	0.55
Y7-187372	FRCMM-25/2/01-G/F	0.15	0.55	0.72	0.55
Y7-187390	FRCMM-25/2/01-S/F	0.10	0.55	0.72	0.55
Y7-187396	FRCMM-25/2/03-S/F	0.60	0.55	0.72	0.55
Y7-235461	PFIM-40/2/03-S-MW	0.41	0.56	0.72	0.56
Y7-235449	PFIM-25/2/003-G-MW	0.10	0.56	0.72	0.56
Y7-235452	PFIM-40/2/01-G-MW	0.44	0.56	0.72	0.56
Y7-235460	PFIM-40/2/01-S-MW	0.44	0.56	0.72	0.56
Y7-180636	FRCMM-63/2/03-S/A	0.55	0.57	0.72	0.57
Y7-235451	PFIM-40/2/003-G-MW	0.44	0.57	0.72	0.57
Y7-108046	PFIM-63/2/003-G/A	0.74	0.58	0.72	0.58
Y7-170286	FRCMM-40/2/01-G/A	0.60	0.58	0.72	0.58
Y7-170290	FRCMM-16/2/03-G/A	0.15	0.58	0.72	0.58
Y7-170292	FRCMM-40/2/03-G/A	0.60	0.58	0.72	0.58
Y7-170384	FRCMM-40/2/003-G/A	0.60	0.58	0.72	0.58
Y7-170438	FRCMM-40/2/01-S/A	0.60	0.58	0.72	0.58
Y7-187367	FRCMM-40/2/003-G/F	0.60	0.58	0.72	0.58

Part Number	Product Description	Use Commercial application (Only B6)	Distribution	Installation	Module-D
Y7-187378	FRCMM-25/2/03-G/F	0.15	0.58	0.72	0.58
Y7-187379	FRCMM-40/2/03-G/F	0.60	0.58	0.72	0.58
Y7-187397	FRCMM-40/2/03-S/F	0.60	0.58	0.72	0.58
Y7-187451	PFIM-63/2/003-G/F	1.03	0.58	0.72	0.58
Y7-170439	FRCMM-63/2/01-S/A	0.55	0.59	0.72	0.59
Y7-235431	PFIM-63/2/003-A-MW	0.74	0.61	0.72	0.61
Y7-EAM402H	EAM402H	0.44	0.61	0.72	0.61
Y7-EAM802L	EAM802L	0.66	0.62	0.72	0.62
Y7-EAM1002M	EAM1002M	1.04	0.63	0.72	0.63
Y7-166826	PF7-40/2/003-G/A	0.44	0.63	0.72	0.63
Y7-167119	FRCMM-25/2/003-G/A-NA	0.15	0.63	0.72	0.63
Y7-167693	FRCMM-25/2/003-G/A-NA-110	0.15	0.63	0.72	0.63
Y7-167694	FRCMM-40/2/003-G/A-NA-110	0.60	0.63	0.72	0.63
Y7-167695	FRCMM-63/2/003-G/A-NA-110	0.74	0.63	0.72	0.63
Y7-167696	FRCMM-25/2/03-G/A-NA-110	0.10	0.63	0.72	0.63
Y7-167698	FRCMM-63/2/03-G/A-NA-110	0.55	0.63	0.72	0.63
Y7-263619	PF7-25/2/003-G-DE	0.15	0.63	0.72	0.63
Y7-263622	PF7-40/2/01-G-DE	0.44	0.63	0.72	0.63
Y7-263629	PF7-40/2/01-S-DE	0.44	0.63	0.72	0.63
Y7-263630	PF7-40/2/03-S-DE	0.41	0.63	0.72	0.63
Y7-110089	PFIM-40/2/003-X	0.41	0.63	0.72	0.63
Y7-EAM632M	EAM632M	0.55	0.63	0.72	0.63
Y7-EAM1002H	EAM1002H	1.04	0.64	0.72	0.64
Y7-EAM632H	EAM632H	0.55	0.66	0.72	0.66
Y7-EAM802RH	EAM802RH	0.66	0.66	0.72	0.66
Y7-EAM802H	EAM802H	0.66	0.61	0.72	0.61
Y7-167706	FRCMM-40/4/003-G/A-NA-110	1.00	0.92	1.00	0.92
Y7-165772	PF6-40/4/003-G	0.73	0.92	1.00	0.92
Y7-166829	PF7-80/4/003-G	0.87	0.92	1.00	0.92
Y7-167107	FRCMM-25/4/003-G/A-NA	0.24	0.92	1.00	0.92
Y7-167108	FRCMM-40/4/003-G/A-NA	1.00	0.92	1.00	0.92
Y7-167111	FRCMM-40/4/03-G/A-NA	0.67	0.92	1.00	0.92
Y7-167112	FRCMM-63/4/03-G/A-NA	0.80	0.92	1.00	0.92
Y7-263623	PF7-40/4/003-G-DE	1.00	0.92	1.00	0.92
Y7-263624	PF7-40/4/01-G-DE	0.64	0.92	1.00	0.92
Y7-263625	PF7-63/4/003-G-DE	1.02	0.92	1.00	0.92
Y7-263632	PF7-40/4/01-S/A-DE	0.64	0.92	1.00	0.92
Y7-263633	PF7-40/4/03-S/A-DE	0.64	0.92	1.00	0.92
Y7-263634	PF7-63/4/01-S/A-DE	0.80	0.92	1.00	0.92
Y7-263635	PF7-63/4/03-S/A-DE	0.80	0.92	1.00	0.92

Part Number	Product Description	Use Commercial application (Only B6)	Distribution	Installation	Module-D
Y7-263638	PF7-40/4/01-U-DE	0.64	0.92	1.00	0.92
Y7-263639	PF7-40/4/03-U-DE	0.64	0.92	1.00	0.92
Y7-263640	PF7-63/4/01-U-DE	0.80	0.92	1.00	0.92
Y7-263641	PF7-63/4/03-U-DE	0.80	0.92	1.00	0.92
Y7-264299	PFGM-25/4/03-S	0.21	0.92	1.00	0.92
Y7-264311	PFGM-63/4/03-S	0.80	0.92	1.00	0.92
Y7-274061	PFIM-40/4/03-S/A-MB	0.64	0.92	1.00	0.92
Y7-274063	PFIM-63/4/03-S/A-MB	0.80	0.92	1.00	0.92
Y7-274064	PFIM-80/4/03-S/A-MB	0.87	0.92	1.00	0.92
Y7-292496	PF7-100/4/03-U-DE	1.44	0.92	1.00	0.92
Y7-EAM1004L	EAM1004L	1.44	0.92	1.00	0.92
Y7-EAM634L	EAM634L	0.80	0.92	1.00	0.92
Y7-EAM634M	EAM634M	0.80	0.92	1.00	0.92
Y7-142266	PFGM-40/4/003-A-GV	1.00	0.93	1.00	0.93
Y7-EAM404M	EAM404M	0.67	0.94	1.00	0.94
Y7-235455	PFIM-40/4/01-G-MW	0.64	0.96	1.00	0.96
Y7-170463	FRCMM-25/4/03-U	0.21	0.96	1.00	0.96
Y7-235468	PFIM-40/4/03-S/A-MW	0.64	0.96	1.00	0.96
Y7-235745	PFIM-40/4/03-U	0.64	0.96	1.00	0.96
Y7-236779	PXF-40/4/05-A	0.64	0.96	1.00	0.96
Y7-290225	PXF-40/4/03-S/A-BRD	0.64	0.96	1.00	0.96
Y7-170299	FRCMM-16/4/01-G/A	0.22	0.97	1.00	0.97
Y7-170326	FRCMM-40/4/03-S	0.67	0.97	1.00	0.97
Y7-170377	FRCMM-25/4/03-G	0.21	0.97	1.00	0.97
Y7-170448	FRCMM-40/4/03-S/A	0.67	0.97	1.00	0.97
Y7-187414	FRCMM-25/4/01-G/F	0.21	0.97	1.00	0.97
Y7-187420	FRCMM-25/4/03-G/F	0.21	0.97	1.00	0.97
Y7-187432	FRCMM-25/4/01-S/F	0.21	0.97	1.00	0.97
Y7-187438	FRCMM-25/4/03-S/F	0.21	0.97	1.00	0.97
Y7-235464	PFIM-25/4/01-S/A-MW	0.21	0.97	1.00	0.97
Y7-235467	PFIM-40/4/01-S/A-MW	0.64	0.97	1.00	0.97
Y7-235741	PFIM-40/4/03-XS/A	0.32	0.97	1.00	0.97
Y7-235744	PFIM-40/4/01-U	0.64	0.97	1.00	0.97
Y7-235749	PFIM-40/4/03-XU	0.32	0.97	1.00	0.97
Y7-109771	PFIM-63/4/01-G/A-MW	0.80	0.97	1.00	0.97
Y7-170301	FRCMM-40/4/01-G/A	0.67	0.97	1.00	0.97
Y7-235458	PFIM-63/4/01-G-MW	0.80	0.97	1.00	0.97
Y7-235472	PFIM-63/4/03-S/A-MW	0.80	0.98	1.00	0.98
Y7-235739	PFIM-40/4/003-XA	0.32	0.98	1.00	0.98
Y7-235747	PFIM-63/4/03-U	0.80	0.98	1.00	0.98

Part Number	Product Description	Use Commercial application (Only B6)	Distribution	Installation	Module-D
Y7-290227	PXF-63/4/03-S/A-BRD	0.80	0.98	1.00	0.98
Y7-170444	FRCMM-40/4/01-S/A	0.67	0.98	1.00	0.98
Y7-170460	FRCMM-40/4/01-U	0.64	0.98	1.00	0.98
Y7-235738	PFIM-40/4/01-X	0.32	0.98	1.00	0.98
Y7-235740	PFIM-40/4/01-XS/A	0.32	0.98	1.00	0.98
Y7-235748	PFIM-40/4/01-XU	0.32	0.98	1.00	0.98
Y7-274292	PFIM-40/4/01-XG	1.00	0.98	1.00	0.98
Y7-EAM404H	EAM404H	0.67	0.98	1.00	0.98
Y7-274296	PFIM-63/4/01-X	0.80	0.98	1.00	0.98
Y7-170348	FRCMM-40/4/05-A	0.67	1.00	1.00	1.00
Y7-170449	FRCMM-63/4/03-S/A	0.80	1.00	1.00	1.00
Y7-170465	FRCMM-63/4/03-U	0.80	1.00	1.00	1.00
Y7-235471	PFIM-63/4/01-S/A-MW	0.80	1.00	1.00	1.00
Y7-235746	PFIM-63/4/01-U	0.80	1.00	1.00	1.00
Y7-274295	PFIM-63/4/03-XS/A	0.80	1.00	1.00	1.00
Y7-290223	PXF-63/4/03-KV/A	0.80	1.00	1.00	1.00
Y7-293305	PFIM-63/4/03-XA	0.80	1.00	1.00	1.00
Y7-102885	PXF-40/4/003-KV/A	1.00	1.00	1.00	1.00
Y7-170294	FRCMM-25/4/003-G/A	0.24	1.00	1.00	1.00
Y7-170453	FRCMM-25/4/003-U	0.24	1.00	1.00	1.00
Y7-187359	PFIM-25/4/03-G/F	0.21	1.00	1.00	1.00
Y7-187360	PFIM-40/4/03-G/F	1.00	1.00	1.00	1.00
Y7-187363	PFIM-40/4/03-S/F	1.00	1.00	1.00	1.00
Y7-187407	FRCMM-16/4/003-G/F	0.22	1.00	1.00	1.00
Y7-187408	FRCMM-25/4/003-G/F	0.24	1.00	1.00	1.00
Y7-187455	PFIM-25/4/003-G/F	0.24	1.00	1.00	1.00
Y7-187456	PFIM-40/4/003-G/F	1.00	1.00	1.00	1.00
Y7-170445	FRCMM-63/4/01-S/A	0.80	1.01	1.00	1.01
Y7-170461	FRCMM-63/4/01-U	0.80	1.01	1.00	1.01
Y7-274294	PFIM-63/4/01-XS/A	0.80	1.01	1.00	1.01
Y7-293304	PFIM-63/4/01-XA	0.80	1.01	1.00	1.01
Y7-293306	PFIM-63/4/01-XG	0.80	1.01	1.00	1.01
Y7-235475	PFIM-80/4/03-S/A-MW	0.87	1.02	1.00	1.02
Y7-290221	PFIM-80/4/03-U	0.87	1.02	1.00	1.02
Y7-235453	PFIM-40/4/003-G-MW	1.00	1.03	1.00	1.03
Y7-103016	PFIM-63/4/003-XG/A	1.02	1.04	1.00	1.04
Y7-170296	FRCMM-63/4/003-G/A	1.02	1.04	1.00	1.04
Y7-170305	FRCMM-63/4/03-G/A	0.80	1.04	1.00	1.04
Y7-170370	FRCMM-63/4/003-G	1.02	1.04	1.00	1.04
Y7-170455	FRCMM-63/4/003-U	1.02	1.04	1.00	1.04

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Y7-187410	FRCMM-63/4/003-G/F	1.02	1.04	1.00	1.04
Y7-187422	FRCMM-63/4/03-G/F	1.02	1.04	1.00	1.04
Y7-187434	FRCMM-63/4/01-S/F	1.02	1.04	1.00	1.04
Y7-187440	FRCMM-63/4/03-S/F	1.02	1.04	1.00	1.04
Y7-170450	FRCMM-80/4/03-S/A	0.87	1.05	1.00	1.05
Y7-170451	FRCMM-100/4/03-S/A	1.44	1.05	1.00	1.05
Y7-170466	FRCMM-80/4/03-U	1.44	1.05	1.00	1.05
Y7-170467	FRCMM-100/4/03-U	1.44	1.05	1.00	1.05
Y7-290220	PFIM-100/4/03-S/A	1.44	1.05	1.00	1.05
Y7-290222	PFIM-100/4/03-U	1.44	1.05	1.00	1.05
Y7-294163	PFIM-63/4/003-XA	1.02	1.05	1.00	1.05
Y7-274293	PFIM-63/4/003-X	1.02	1.05	1.00	1.05
Y7-170295	FRCMM-40/4/003-G/A	1.00	1.06	1.00	1.06
Y7-170304	FRCMM-40/4/03-G/A	0.67	1.06	1.00	1.06
Y7-170369	FRCMM-40/4/003-G	1.00	1.06	1.00	1.06
Y7-170454	FRCMM-40/4/003-U	1.00	1.06	1.00	1.06
Y7-187358	PFIM-63/4/003-G/F	1.02	1.06	1.00	1.06
Y7-187361	PFIM-63/4/03-G/F	1.02	1.06	1.00	1.06
Y7-187364	PFIM-63/4/03-S/F	1.02	1.06	1.00	1.06
Y7-187409	FRCMM-40/4/003-G/F	1.00	1.06	1.00	1.06
Y7-187415	FRCMM-40/4/01-G/F	1.00	1.06	1.00	1.06
Y7-187421	FRCMM-40/4/03-G/F	1.00	1.06	1.00	1.06
Y7-187433	FRCMM-40/4/01-S/F	1.00	1.06	1.00	1.06
Y7-187439	FRCMM-40/4/03-S/F	1.00	1.06	1.00	1.06
Y7-235743	PFIM-40/4/003-XG/A	0.32	1.06	1.00	1.06
Y7-104385	PFIM-80/4/003-G	0.87	1.07	1.00	1.07
Y7-170307	FRCMM-100/4/03-G/A	1.44	1.08	1.00	1.08
Y7-187441	FRCMM-80/4/03-S/F	1.44	1.08	1.00	1.08
Y7-102939	PXF-63/4/003-KV/A	1.02	1.08	1.00	1.08
Y7-235448	PFIM-80/4/03-A-MW	0.87	1.08	1.00	1.08
Y7-235456	PFIM-63/4/003-G-MW	1.02	1.08	1.00	1.08
Y7-235457	PFIM-63/4/003-G/A-MW	1.02	1.08	1.00	1.08
Y7-235459	PFIM-63/4/003-R-MW	1.02	1.08	1.00	1.08
Y7-235473	PFIM-80/4/01-S-MW	0.87	1.08	1.00	1.08
Y7-235742	PFIM-40/4/003-XG	0.32	1.08	1.00	1.08
Y7-285465	PFIM-63/4/003-U	1.02	1.08	1.00	1.08
Y7-104383	PFIM-100/4/003-G	1.44	1.09	1.00	1.09
Y7-170297	FRCMM-80/4/003-G/A	1.44	1.09	1.00	1.09
Y7-170298	FRCMM-100/4/003-G/A	1.44	1.09	1.00	1.09
Y7-170313	FRCMM-100/4/003-R	1.44	1.09	1.00	1.09

Part Number	Product Description	Use Commercial application (Only B6)	Distribution	Installation	Module-D
Y7-170456	FRCMM-80/4/003-U	1.44	1.09	1.00	1.09
Y7-170457	FRCMM-100/4/003-U	1.44	1.09	1.00	1.09
Y7-187411	FRCMM-80/4/003-G/F	1.44	1.09	1.00	1.09
Y7-102875	PFIM-100/4/003-G/A	1.44	1.09	1.00	1.09

Note: 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 6.25 to calculate impacts for Industrial application of that specific part number. The impact for other phases remains the same for all applications.

Disclaimer

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

Registration Number	EATO-00109-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
Verifier accreditation Number	VH53	Supplemented by	PSR-0005-ed3-EN-2023 06 06
Date of issue	03-2024	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 »			