



Mechanical RCBO 2 Pole + PCB

Representative product	FRBM6-C40/2/003-G/A (Y7-196958) Product Category: Differential circuit-breakers
Description of the product	Eaton’s mechanical RCBO - Residual-current circuit breaker with overcurrent protection is designed to provide circuit protection for low-voltage distribution systems. Eaton circuit breakers protect conductors against overloads and 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 residual-current circuit breaker with overcurrent protection as mentioned below: Series: FRBM6, FRBmM, NmRB6, NmRBM, PKP62, PKPM2 Current Range: 6A, 10A, 13A, 15A, 16A, 20A, 25A, 32A, 40A No of Poles: 2 Tripping Curves (MCB): B, C Tripping Curves (RCD): A, F, G/A Sensitivity: 30 mA, 100 mA Differential protection type: A, F
Functional unit	Protect the installation against overloads and short circuits and protect people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage 240V AC, rated current 40A, with 2 poles, a rated breaking capacity 6kA, the tripping curve C (MCB) / G/A (RCD), the sensitivity 30mA, and the differential protection type A, in the Industrial application area, according to the appropriate use scenario, and during the reference service life of the product of 20 years.
Company information	Eaton Electro Productie s.r.l, Independentei 8, Sarbi, Romania, 437157 Email: productstewardship-es@eaton.com

Constituent Materials			
Reference product mass	2.96E-01 kg (With packaging)		
Category PEP Material	Materials	Mass (kg)	Percentage (%)
Plastic	Polyamide	8.54E-02	28.8%
Metal	Steel	8.23E-02	27.8%
Metal	Copper	4.74E-02	16.0%
Metal	Stainless steel	1.96E-02	6.6%
Other	Corrugated Cardboard	1.68E-02	5.7%
Other	Electronic Components	1.42E-02	4.8%
Other	Wood	5.83E-03	2.0%
Plastic	Poly Tetrafluoroethylene (PTFE)	5.31E-03	1.8%
Other	Paper	4.73E-03	1.6%
Metal	Nickel	3.00E-03	1.0%
Plastic	Polycarbonate	2.78E-03	0.9%
Plastic	Polystyrene	2.55E-03	0.9%
Metal	Iron	2.14E-03	0.7%
Metal	Tin	1.00E-03	0.3%
Plastic	Polybutylene Terephthalate (PBT)	9.65E-04	0.3%
Other	Miscellaneous	2.18E-03	0.7%
Total		2.96E-01	100.0%

Substance Assessment

The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with Duty-to-declare 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	Product do not need any maintenance during Use phase
End of life	The recyclability rate of the overall product is 84.27% if it is properly dismantled prior to shredding. The rate is calculated based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental Impacts	
<p>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.</p> <p>System modelling was carried out using the commercial LCA software EIME v6.2-22 with database version CODDE-2024-04.</p> <p>Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0</p>	
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
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 6.7 W at full load condition. For Industrial applications considering 50% of the loading rate and 30% use time rate, total losses are 88.038 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. Energy model used: Europe
End of life Phase	Product disposed with WEEE guidelines. Energy model used: Europe
Module-D	Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the boundaries of the system and are not to be included in the life cycle totals.

Environmental Impact Indicators: Mandatory

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Depletion of abiotic resources – elements (ADP-e)	kg equivalent Sb	3.91E-04	3.70E-04	2.78E-09	2.60E-09	1.10E-05	9.41E-06	-1.44E-04
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	8.82E+02	7.41E+01	9.86E-01	2.56E-01	7.83E+02	2.29E+01	-3.04E+01
Acidification (AP)	mole of H+ equiv	1.91E-01	2.90E-02	4.48E-04	9.82E-05	1.59E-01	2.46E-03	-1.41E-02
Freshwater eutrophication (EP-fw)	kg P eq.	4.91E-04	1.20E-04	2.65E-08	2.95E-07	8.17E-05	2.90E-04	-3.18E-06
Marine aquatic eutrophication (EP-m)	kg of N equiv	2.25E-02	2.49E-03	2.10E-04	3.36E-05	1.94E-02	3.48E-04	-1.22E-03
Terrestrial eutrophication (EP-t)	mole of N equiv	3.40E-01	2.23E-02	2.30E-03	2.45E-04	3.11E-01	4.04E-03	-8.80E-03
Climate change – total (GWP)	kg CO ₂ eq.	3.46E+01	3.00E+00	7.06E-02	7.00E-02	3.10E+01	4.26E-01	-1.20E+00

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Climate change – biogenics (GWP-b)	kg CO ₂ eq.	9.24E-02	-1.60E-02	0.00E+00	4.19E-02	5.71E-02	9.35E-03	1.87E-02
Climate change - fossil fuels (GWP-f)	kg CO ₂ eq.	3.45E+01	3.02E+00	7.06E-02	2.81E-02	3.10E+01	4.16E-01	-1.22E+00
Climate change - land use and land use transformation (GWP-lu)	kg CO ₂ eq.	4.06E-06	3.91E-06	0.00E+00	0.00E+00	0.00E+00	1.54E-07	-3.53E-06
Ozone depletion (ODP)	kg equivalent CFC-11	6.20E-06	6.04E-06	1.08E-10	1.31E-09	1.50E-07	9.07E-09	-6.70E-08
Photochemical ozone formation (POCP)	kg of NMVOC equiv	7.06E-02	7.85E-03	5.81E-04	6.34E-05	6.10E-02	1.20E-03	-3.27E-03
Water scarcity (WDP)	m3 of equiv. deprivation worldwide	5.01E+00	1.94E+00	2.68E-04	9.50E-03	2.38E+00	6.87E-01	-1.12E+00

Inventory Flow Indicators: Mandatory

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	2.10E+02	2.50E+00	1.32E-03	1.68E-01	2.07E+02	4.46E-01	-2.77E-01
Use of renewable primary energy resources used as raw materials	MJ	1.02E+00	1.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.45E-01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.11E+02	3.53E+00	1.32E-03	1.68E-01	2.07E+02	4.46E-01	-6.22E-01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	8.79E+02	7.16E+01	9.86E-01	2.56E-01	7.83E+02	2.29E+01	-2.86E+01
Use of non-renewable primary energy resources used as raw materials	MJ	2.52E+00	2.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.86E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	8.82E+02	7.41E+01	9.86E-01	2.56E-01	7.83E+02	2.29E+01	-3.04E+01
Use of secondary materials	kg	2.59E-06	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	m3	1.18E-01	4.53E-02	6.25E-06	3.07E-04	5.59E-02	1.70E-02	-2.60E-02
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	3.60E-01	1.10E-01	0.00E+00	1.97E-02	0.00E+00	2.30E-01	-1.02E-08
Materials for energy recovery	kg	5.69E-03	4.36E-04	0.00E+00	3.87E-03	0.00E+00	1.39E-03	0.00E+00
Exported energy	MJ by energy vector	2.16E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00
Hazardous waste disposed of	kg	1.40E+01	1.24E+01	0.00E+00	1.44E-03	1.36E+00	2.86E-01	-7.53E+00
Non-hazardous waste disposed of	kg	6.77E+00	1.44E+00	2.48E-03	1.20E-02	5.24E+00	7.56E-02	-3.59E-01
Radioactive waste disposed of	kg	2.55E-03	1.32E-03	1.77E-06	1.33E-06	1.20E-03	3.24E-05	-1.07E-04
Biogenic carbon content of the product	kg of C.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	kg of C.	1.14E-02	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E-03

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Ecotoxicity, fresh water	CTUe	8.25E+01	1.47E+01	4.63E-02	3.15E-01	5.86E+01	8.85E+00	-3.58E+00
Human toxicity, cancer effects	CTUh	2.75E-07	2.69E-07	1.24E-12	2.03E-09	3.90E-09	5.73E-10	-1.52E-07
Human toxicity, non-cancer effects	CTUh	3.63E-07	2.45E-07	2.40E-11	7.54E-11	9.32E-08	2.55E-08	-1.19E-07
Ionizing radiation, human health	kBq of U235 equiv.	6.90E+01	1.98E+01	1.72E-04	4.52E+00	4.46E+01	8.33E-02	-1.25E+01
Impacts related to land use/soil quality	-	2.09E+00	3.58E-01	0.00E+00	5.67E-05	8.59E-01	8.77E-01	-9.83E-03
Emission of fine particles	incidence of diseases	1.55E-06	2.50E-07	3.64E-09	5.58E-10	1.28E-06	1.38E-08	-1.20E-07
Total use of primary energy during the life cycle	MJ	1.09E+03	7.76E+01	9.88E-01	4.24E-01	9.91E+02	2.34E+01	-3.11E+01

*B6 is energy requirements during the use stage. Other sub modules in the use stage (B1-B5, B7) are equal to zero. So, it is not listed in the table.

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

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

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
Y7-196958	FRBm6-C40/2/003-G/A (Reference)	All Phases							1.00						
Y7-177873	FRBM6-B25/2/003-LIA	All Phases							1.00						
Y7-177998	FRBM6-B25/2/01-LIA	All Phases							1.00						
Y7-196981	FRBm6-B32/2/003-F	All Phases							1.00						
Y7-196965	FRBm6-B32/2/003-G/A	All Phases							1.00						
Y7-170891	FRBM6-B32/2/003-LIA	All Phases							1.00						
Y7-170815	FRBM6-B32/2/01-LIA	All Phases							1.00						
Y7-196982	FRBm6-B40/2/003-F	All Phases							1.00						
Y7-196966	FRBm6-B40/2/003-G/A	All Phases							1.00						
Y7-170718	FRBM6-B40/2/003-LIA	All Phases							1.00						
Y7-170816	FRBM6-B40/2/01-LIA	All Phases							1.00						
Y7-177993	FRBM6-C25/2/003-LIA	All Phases							1.00						
Y7-178004	FRBM6-C25/2/01-LIA	All Phases							1.00						
Y7-196973	FRBm6-C32/2/003-F	All Phases							1.00						
Y7-196957	FRBm6-C32/2/003-G/A	All Phases							1.00						
Y7-170801	FRBM6-C32/2/003-LIA	All Phases							1.00						
Y7-170835	FRBM6-C32/2/01-LIA	All Phases							1.00						
Y7-196974	FRBm6-C40/2/003-F	All Phases							1.00						

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
Y7-170802	FRBM6-C40/2/003-LIA	All Phases							1.00						
Y7-170836	FRBM6-C40/2/01-LIA	All Phases							1.00						
Y7-196980	FRBmM-B25/2/003-F	All Phases							1.00						
Y7-196964	FRBmM-B25/2/003-G/A	All Phases							1.00						
Y7-170890	FRBMM-B25/2/003-LIA	All Phases							1.00						
Y7-170814	FRBMM-B25/2/01-LIA	All Phases							1.00						
Y7-196972	FRBmM-C25/2/003-F	All Phases							1.00						
Y7-196956	FRBmM-C25/2/003-G/A	All Phases							1.00						
Y7-170800	FRBMM-C25/2/003-LIA	All Phases							1.00						
Y7-170834	FRBMM-C25/2/01-LIA	All Phases							1.00						
Y7-300127	NmRB6-25/2/B/003-F	All Phases							1.00						
Y7-300059	NmRB6-25/2/C/003-F	All Phases							1.00						
Y7-300128	NmRB6-32/2/B/003-F	All Phases							1.00						
Y7-300063	NmRB6-32/2/C/003-F	All Phases							1.00						
Y7-300129	NmRB6-40/2/B/003-F	All Phases							1.00						
Y7-300070	NmRB6-40/2/C/003-F	All Phases							1.00						
Y7-196948	PKP62-25/2/B/003-F	All Phases							1.00						
Y7-196928	PKP62-25/2/B/003-G/A	All Phases							1.00						
Y7-142376	PKP62-25/2/B/003-LI/A	All Phases							1.00						

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
Y7-142383	PKP62-25/2/B/01-LI/A	All Phases							1.00						
Y7-196938	PKP62-25/2/C/003-F	All Phases							1.00						
Y7-196918	PKP62-25/2/C/003-G/A	All Phases							1.00						
Y7-142390	PKP62-25/2/C/003-LI/A	All Phases							1.00						
Y7-142397	PKP62-25/2/C/01-LI/A	All Phases							1.00						
Y7-196949	PKP62-32/2/B/003-F	All Phases							1.00						
Y7-196929	PKP62-32/2/B/003-G/A	All Phases							1.00						
Y7-142377	PKP62-32/2/B/003-LI/A	All Phases							1.00						
Y7-142384	PKP62-32/2/B/01-LI/A	All Phases							1.00						
Y7-196939	PKP62-32/2/C/003-F	All Phases							1.00						
Y7-196919	PKP62-32/2/C/003-G/A	All Phases							1.00						
Y7-142391	PKP62-32/2/C/003-LI/A	All Phases							1.00						
Y7-142398	PKP62-32/2/C/01-LI/A	All Phases							1.00						
Y7-196950	PKP62-40/2/B/003-F	All Phases							1.00						
Y7-196930	PKP62-40/2/B/003-G/A	All Phases							1.00						
Y7-142378	PKP62-40/2/B/003-LI/A	All Phases							1.00						
Y7-142385	PKP62-40/2/B/01-LI/A	All Phases							1.00						
Y7-196940	PKP62-40/2/C/003-F	All Phases							1.00						
Y7-196920	PKP62-40/2/C/003-G/A	All Phases							1.00						

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
Y7-142392	PKP62-40/2/C/003-LI/A	All Phases	1.00												
Y7-142399	PKP62-40/2/C/01-LI/A	All Phases	1.00												
Y7-305153	FRBMM-B16/3/003-A-RT	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177869	FRBM6-B10/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177994	FRBM6-B10/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177870	FRBM6-B13/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177995	FRBM6-B13/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177871	FRBM6-B16/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-177996	FRBM6-B16/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
Y7-177872	FRBM6-B20/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177997	FRBM6-B20/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177989	FRBM6-C10/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-178000	FRBM6-C10/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177990	FRBM6-C13/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-178001	FRBM6-C13/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177991	FRBM6-C16/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-178002	FRBM6-C16/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177992	FRBM6-C20/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-178003	FRBM6-C20/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177988	FRBM6-C6/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-177999	FRBM6-C6/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196976	FRBmM-B10/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196960	FRBmM-B10/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170886	FRBMM-B10/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170810	FRBMM-B10/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196977	FRBmM-B13/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196961	FRBmM-B13/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170887	FRBMM-B13/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170811	FRBMM-B13/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196978	FRBmM-B16/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196962	FRBmM-B16/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170888	FRBMM-B16/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170812		Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
	FRBMM-B16/2/01-LIA	Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196979	FRBmM-B20/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196963	FRBmM-B20/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-170889	FRBMM-B20/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-170813	FRBMM-B20/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196968	FRBmM-C10/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196952	FRBmM-C10/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-170796	FRBMM-C10/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-170830		Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
	FRBMM-C10/2/01-LIA	Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196969	FRBmM-C13/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-196953	FRBmM-C13/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-170797	FRBMM-C13/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-170831	FRBMM-C13/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-196970	FRBmM-C16/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-196954	FRBmM-C16/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
Y7-170798	FRBMM-C16/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
Y7-170832	FRBMM-C16/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196971	FRBmM-C20/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196955	FRBmM-C20/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170799	FRBMM-C20/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170833	FRBMM-C20/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196967	FRBmM-C6/2/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196951	FRBmM-C6/2/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170795	FRBMM-C6/2/003-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-170829	FRBMM-C6/2/01-LIA	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300077	NmRBM-10/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300017	NmRBM-10/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300092	NmRBM-13/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300035	NmRBM-13/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300104	NmRBM-15/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300037	NmRBM-15/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300230	NmRBM-16/2/B/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300039	NmRBM-16/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300119	NmRBM-20/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300051	NmRBM-20/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-300014	NmRBM-6/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196942	PKPM2-10/2/B/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196922	PKPM2-10/2/B/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142372	PKPM2-10/2/B/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142379		Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
	PKPM2-10/2/B/01-LI/A	Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196932	PKPM2-10/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196912	PKPM2-10/2/C/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142386	PKPM2-10/2/C/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142393	PKPM2-10/2/C/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196943	PKPM2-13/2/B/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196923	PKPM2-13/2/B/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142373	PKPM2-13/2/B/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142380		Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
	PKPM2-13/2/B/01-LI/A	Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196933	PKPM2-13/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196913	PKPM2-13/2/C/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142387	PKPM2-13/2/C/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142394	PKPM2-13/2/C/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196944	PKPM2-15/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196924	PKPM2-15/2/B/003-G/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-144693	PKPM2-15/2/B/003-LI/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
Y7-196934	PKPM2-15/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196914	PKPM2-15/2/C/003-G/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-144694	PKPM2-15/2/C/003-LI/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196945	PKPM2-16/2/B/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196925	PKPM2-16/2/B/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142374	PKPM2-16/2/B/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142381	PKPM2-16/2/B/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196935	PKPM2-16/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196915	PKPM2-16/2/C/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142388	PKPM2-16/2/C/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142395	PKPM2-16/2/C/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196946	PKPM2-20/2/B/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196947	PKPM2-20/2/B/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196926	PKPM2-20/2/B/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196927	PKPM2-20/2/B/003-G/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142375	PKPM2-20/2/B/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)	
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-148564	PKPM2-20/2/B/003-LI/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142382	PKPM2-20/2/B/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196936	PKPM2-20/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196937	PKPM2-20/2/C/003-F-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196916	PKPM2-20/2/C/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-196917	PKPM2-20/2/C/003-G/A-OL	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-142389	PKPM2-20/2/C/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													
		Installation	1.00													
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71	
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77	
Y7-148565		Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89	
		Distribution	0.90													

Part Number	Product Description	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
	PKPM2-20/2/C/003-LI/A-OL	Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142396	PKPM2-20/2/C/01-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196931	PKPM2-6/2/C/003-F	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-196911	PKPM2-6/2/C/003-G/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77
Y7-142371	PKPM2-6/2/C/003-LI/A	Manufacturing	0.91	0.90	0.86	0.73	0.94	0.92	0.90	1.30	0.90	0.99	0.64	0.91	0.89
		Distribution	0.90												
		Installation	1.00												
		End of Life	0.33	0.98	0.71	0.33	0.81	0.77	0.88	0.34	0.89	0.33	0.57	0.82	0.71
		Module D	0.67	0.97	0.62	0.97	0.93	0.88	0.93	1.68	0.94	0.99	0.70	0.81	0.77

Multiplying Factors for Use Phase:

Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-196958	FRBM6-C40/2/003-G/A (Reference)	6.7	1.00
Y7-177869	FRBM6-B10/2/003-LIA	4.3	0.64
Y7-177994	FRBM6-B10/2/01-LIA	4.3	0.64
Y7-177870	FRBM6-B13/2/003-LIA	4.0	0.60
Y7-177995	FRBM6-B13/2/01-LIA	4.0	0.60
Y7-177871	FRBM6-B16/2/003-LIA	5.0	0.75
Y7-177996	FRBM6-B16/2/01-LIA	5.0	0.75
Y7-177872	FRBM6-B20/2/003-LIA	5.9	0.88
Y7-177997	FRBM6-B20/2/01-LIA	5.9	0.88

Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-177873	FRBM6-B25/2/003-LIA	4.6	0.69
Y7-177998	FRBM6-B25/2/01-LIA	4.6	0.69
Y7-196981	FRBm6-B32/2/003-F	5.5	0.82
Y7-196965	FRBm6-B32/2/003-G/A	5.5	0.82
Y7-170891	FRBM6-B32/2/003-LIA	5.5	0.82
Y7-170815	FRBM6-B32/2/01-LIA	5.5	0.82
Y7-196982	FRBm6-B40/2/003-F	6.7	1.00
Y7-196966	FRBm6-B40/2/003-G/A	6.7	1.00
Y7-170718	FRBM6-B40/2/003-LIA	6.7	1.00
Y7-170816	FRBM6-B40/2/01-LIA	6.7	1.00
Y7-177989	FRBM6-C10/2/003-LIA	4.3	0.64
Y7-178000	FRBM6-C10/2/01-LIA	4.3	0.64
Y7-177990	FRBM6-C13/2/003-LIA	4.0	0.60
Y7-178001	FRBM6-C13/2/01-LIA	4.0	0.60
Y7-177991	FRBM6-C16/2/003-LIA	5.0	0.75
Y7-177991	FRBM6-C16/2/003-LIA	5.0	0.75
Y7-178002	FRBM6-C16/2/01-LIA	5.0	0.75
Y7-177992	FRBM6-C20/2/003-LIA	5.9	0.88
Y7-178003	FRBM6-C20/2/01-LIA	5.9	0.88
Y7-177993	FRBM6-C25/2/003-LIA	4.6	0.69
Y7-178004	FRBM6-C25/2/01-LIA	4.6	0.69
Y7-196973	FRBm6-C32/2/003-F	5.5	0.82
Y7-196957	FRBm6-C32/2/003-G/A	5.5	0.82
Y7-170801	FRBM6-C32/2/003-LIA	5.5	0.82
Y7-170835	FRBM6-C32/2/01-LIA	5.5	0.82
Y7-196974	FRBm6-C40/2/003-F	6.7	1.00
Y7-170802	FRBM6-C40/2/003-LIA	6.7	1.00
Y7-170836	FRBM6-C40/2/01-LIA	6.7	1.00
Y7-177988	FRBM6-C6/2/003-LIA	2.2	0.33
Y7-177999	FRBM6-C6/2/01-LIA	2.2	0.33
Y7-196976	FRBmM-B10/2/003-F	4.3	0.64
Y7-196960	FRBmM-B10/2/003-G/A	4.3	0.64
Y7-170886	FRBMM-B10/2/003-LIA	4.3	0.64
Y7-170810	FRBMM-B10/2/01-LIA	4.3	0.64
Y7-196977	FRBmM-B13/2/003-F	4.0	0.60
Y7-196961	FRBmM-B13/2/003-G/A	4.0	0.60
Y7-170887	FRBMM-B13/2/003-LIA	4.0	0.60
Y7-170811	FRBMM-B13/2/01-LIA	4.0	0.60
Y7-196978	FRBmM-B16/2/003-F	5.0	0.75
Y7-196962	FRBmM-B16/2/003-G/A	5.0	0.75

Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-170888	FRBMM-B16/2/003-LIA	5.0	0.75
Y7-170812	FRBMM-B16/2/01-LIA	5.0	0.75
Y7-196979	FRBmM-B20/2/003-F	5.9	0.88
Y7-196963	FRBmM-B20/2/003-G/A	5.9	0.88
Y7-170889	FRBMM-B20/2/003-LIA	5.9	0.88
Y7-170813	FRBMM-B20/2/01-LIA	5.9	0.88
Y7-196980	FRBmM-B25/2/003-F	4.6	0.69
Y7-196964	FRBmM-B25/2/003-G/A	4.6	0.69
Y7-170890	FRBMM-B25/2/003-LIA	4.6	0.69
Y7-170814	FRBMM-B25/2/01-LIA	4.6	0.69
Y7-196968	FRBmM-C10/2/003-F	4.3	0.64
Y7-196952	FRBmM-C10/2/003-G/A	4.3	0.64
Y7-170796	FRBMM-C10/2/003-LIA	4.3	0.64
Y7-170830	FRBMM-C10/2/01-LIA	4.3	0.64
Y7-196969	FRBmM-C13/2/003-F	4.0	0.60
Y7-196953	FRBmM-C13/2/003-G/A	4.0	0.60
Y7-170797	FRBMM-C13/2/003-LIA	4.0	0.60
Y7-170831	FRBMM-C13/2/01-LIA	4.0	0.60
Y7-196970	FRBmM-C16/2/003-F	5.0	0.75
Y7-196954	FRBmM-C16/2/003-G/A	5.0	0.75
Y7-170798	FRBMM-C16/2/003-LIA	5.0	0.75
Y7-170832	FRBMM-C16/2/01-LIA	5.0	0.75
Y7-196971	FRBmM-C20/2/003-F	5.9	0.88
Y7-196955	FRBmM-C20/2/003-G/A	5.9	0.88
Y7-170799	FRBMM-C20/2/003-LIA	5.9	0.88
Y7-170833	FRBMM-C20/2/01-LIA	5.9	0.88
Y7-196972	FRBmM-C25/2/003-F	4.6	0.69
Y7-196956	FRBmM-C25/2/003-G/A	4.6	0.69
Y7-170800	FRBMM-C25/2/003-LIA	4.6	0.69
Y7-170834	FRBMM-C25/2/01-LIA	4.6	0.69
Y7-196967	FRBmM-C6/2/003-F	2.2	0.33
Y7-196951	FRBmM-C6/2/003-G/A	2.2	0.33
Y7-170795	FRBMM-C6/2/003-LIA	2.2	0.33
Y7-170829	FRBMM-C6/2/01-LIA	2.2	0.33
Y7-300127	NmRB6-25/2/B/003-F	4.6	0.69
Y7-300059	NmRB6-25/2/C/003-F	4.6	0.69
Y7-300128	NmRB6-32/2/B/003-F	5.5	0.82
Y7-300063	NmRB6-32/2/C/003-F	5.5	0.82
Y7-300129	NmRB6-40/2/B/003-F	6.7	1.00
Y7-300070	NmRB6-40/2/C/003-F	6.7	1.00

Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-300077	NmRBM-10/2/B/003-F-OL	4.3	0.64
Y7-300017	NmRBM-10/2/C/003-F-OL	4.3	0.64
Y7-300092	NmRBM-13/2/B/003-F-OL	4.0	0.60
Y7-300035	NmRBM-13/2/C/003-F-OL	4.0	0.60
Y7-300104	NmRBM-15/2/B/003-F-OL	5.2	0.78
Y7-300037	NmRBM-15/2/C/003-F-OL	5.2	0.78
Y7-300230	NmRBM-16/2/B/003-F	5.0	0.75
Y7-300039	NmRBM-16/2/C/003-F	5.0	0.75
Y7-300119	NmRBM-20/2/B/003-F-OL	5.9	0.88
Y7-300051	NmRBM-20/2/C/003-F-OL	5.9	0.88
Y7-300014	NmRBM-6/2/C/003-F	2.2	0.33
Y7-196948	PKP62-25/2/B/003-F	4.6	0.69
Y7-196928	PKP62-25/2/B/003-G/A	4.6	0.69
Y7-142376	PKP62-25/2/B/003-LI/A	4.6	0.69
Y7-142383	PKP62-25/2/B/01-LI/A	4.6	0.69
Y7-196938	PKP62-25/2/C/003-F	4.6	0.69
Y7-196918	PKP62-25/2/C/003-G/A	4.6	0.69
Y7-142390	PKP62-25/2/C/003-LI/A	4.6	0.69
Y7-142397	PKP62-25/2/C/01-LI/A	4.6	0.69
Y7-196949	PKP62-32/2/B/003-F	5.5	0.82
Y7-196929	PKP62-32/2/B/003-G/A	5.5	0.82
Y7-142377	PKP62-32/2/B/003-LI/A	5.5	0.82
Y7-142384	PKP62-32/2/B/01-LI/A	5.5	0.82
Y7-196939	PKP62-32/2/C/003-F	5.5	0.82
Y7-196919	PKP62-32/2/C/003-G/A	5.5	0.82
Y7-142391	PKP62-32/2/C/003-LI/A	5.5	0.82
Y7-142398	PKP62-32/2/C/01-LI/A	5.5	0.82
Y7-196950	PKP62-40/2/B/003-F	6.7	1.00
Y7-196930	PKP62-40/2/B/003-G/A	6.7	1.00
Y7-142378	PKP62-40/2/B/003-LI/A	6.7	1.00
Y7-142385	PKP62-40/2/B/01-LI/A	6.7	1.00
Y7-196940	PKP62-40/2/C/003-F	6.7	1.00
Y7-196920	PKP62-40/2/C/003-G/A	6.7	1.00
Y7-142392	PKP62-40/2/C/003-LI/A	6.7	1.00
Y7-142399	PKP62-40/2/C/01-LI/A	6.7	1.00
Y7-196942	PKPM2-10/2/B/003-F	4.3	0.64
Y7-196922	PKPM2-10/2/B/003-G/A	4.3	0.64
Y7-142372	PKPM2-10/2/B/003-LI/A	4.3	0.64
Y7-142379	PKPM2-10/2/B/01-LI/A	4.3	0.64
Y7-196932	PKPM2-10/2/C/003-F	4.3	0.64


Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-196912	PKPM2-10/2/C/003-G/A	4.3	0.64
Y7-142386	PKPM2-10/2/C/003-LI/A	4.3	0.64
Y7-142393	PKPM2-10/2/C/01-LI/A	4.3	0.64
Y7-196943	PKPM2-13/2/B/003-F	4.0	0.60
Y7-196923	PKPM2-13/2/B/003-G/A	4.0	0.60
Y7-142373	PKPM2-13/2/B/003-LI/A	4.0	0.60
Y7-142380	PKPM2-13/2/B/01-LI/A	4.0	0.60
Y7-196933	PKPM2-13/2/C/003-F	4.0	0.60
Y7-196913	PKPM2-13/2/C/003-G/A	4.0	0.60
Y7-142387	PKPM2-13/2/C/003-LI/A	4.0	0.60
Y7-142394	PKPM2-13/2/C/01-LI/A	4.0	0.60
Y7-196944	PKPM2-15/2/B/003-F-OL	5.2	0.78
Y7-196924	PKPM2-15/2/B/003-G/A-OL	5.2	0.78
Y7-144693	PKPM2-15/2/B/003-LI/A-OL	5.2	0.78
Y7-196934	PKPM2-15/2/C/003-F-OL	5.2	0.78
Y7-196914	PKPM2-15/2/C/003-G/A-OL	5.2	0.78
Y7-144694	PKPM2-15/2/C/003-LI/A-OL	5.2	0.78
Y7-196945	PKPM2-16/2/B/003-F	5.0	0.75
Y7-196925	PKPM2-16/2/B/003-G/A	5.0	0.75
Y7-142374	PKPM2-16/2/B/003-LI/A	5.0	0.75
Y7-142381	PKPM2-16/2/B/01-LI/A	5.0	0.75
Y7-196935	PKPM2-16/2/C/003-F	5.0	0.75
Y7-196915	PKPM2-16/2/C/003-G/A	5.0	0.75
Y7-142388	PKPM2-16/2/C/003-LI/A	5.0	0.75
Y7-142395	PKPM2-16/2/C/01-LI/A	5.0	0.75
Y7-196946	PKPM2-20/2/B/003-F	5.9	0.88
Y7-196947	PKPM2-20/2/B/003-F-OL	6.5	0.97
Y7-196926	PKPM2-20/2/B/003-G/A	5.9	0.88
Y7-196927	PKPM2-20/2/B/003-G/A-OL	6.5	0.97
Y7-142375	PKPM2-20/2/B/003-LI/A	5.9	0.88
Y7-148564	PKPM2-20/2/B/003-LI/A-OL	5.9	0.88
Y7-142382	PKPM2-20/2/B/01-LI/A	5.9	0.88
Y7-196936	PKPM2-20/2/C/003-F	5.9	0.88
Y7-196937	PKPM2-20/2/C/003-F-OL	6.5	0.97
Y7-196916	PKPM2-20/2/C/003-G/A	5.9	0.88
Y7-196917	PKPM2-20/2/C/003-G/A-OL	6.5	0.97
Y7-142389	PKPM2-20/2/C/003-LI/A	5.9	0.88
Y7-148565	PKPM2-20/2/C/003-LI/A-OL	5.9	0.88
Y7-142396	PKPM2-20/2/C/01-LI/A	5.9	0.88
Y7-196931	PKPM2-6/2/C/003-F	2.2	0.33

Part Number	Product Description	Heat Dissipation Current Dependent (100% Load rate) (W)	Use Phase Extrapolation Factor
Y7-196911	PKPM2-6/2/C/003-G/A	2.2	0.33
Y7-142371	PKPM2-6/2/C/003-LI/A	2.2	0.33

For part numbers intended for household/commercial as well, the Use Phase (B6) impacts of Industrial application of specific part number should be multiplied by 11.111 to calculate impacts for household/commercial 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.

<i>Registration Number</i>	EATO-00173-V01.01-EN	<i>Drafting rules</i>	PCR-ed4-EN-2021 09 06
<i>Verifier accreditation Number</i>	VH54	Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
<i>Date of issue</i>	06-2024	<i>Information and reference documents</i>	www.pep-ecopassport.org
		<i>Validity period</i>	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 »			