



TM65

Mid-level Report

PC12FBHTD + PAF2: Designline HT Cold Drop In Patisserie, self service, fixed back, 1200mm + (Airflow Kit In-Out Operator Side)

Assessment Date 08/12/2025

Manufacturer CED Fabrications


Contact Email sales@cedlimited.com

Metrics

Embodied Carbon

2,654 kgCO2e

Embodied Carbon Footprint



Material

Manufacture

Transport

Refrigerant

Waste

Disposal

Product Information	
Capacity of equipment/size (kW; m3; litres; etc.)	N/A
Product weight (kg)	201 kg
Material % breakdown for at least 95% of the product weight? (Y/N)	Y
Product service life (years)	10
If refrigerant based, type of refrigerant used and GWP	Propane (R 290), No refrigerant, 0.04 kgCO2e
Refrigerant charge (kg)	0.45 kg
Energy consumption of the factory* per unit of product	234 kWh
Location of manufacture*	N/A

**Embodied carbon results (kg CO2e) – breakdown**

A1: Material extraction	1,178 kgCO2e
A2: Transport	159 kgCO2e
A3: Manufacturing	253 kgCO2e
A4: Transport to site	8 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0.36 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	376 kgCO2e
B4: Replacement	N/A
B5: Refurbishment	N/A
B6: Operational energy	N/A
B7: Operational water	N/A
C1: Refrigerant leakage when decommissioning	0.02 kgCO2e
C2: Transport	3 kgCO2e
C3: Waste processing	63 kgCO2e
C4: Disposal	0.99 kgCO2e

**Embodied carbon results (kg CO2e) – without refrigerant leakage**

A1–C4 without buffer factor (excluding B1, C1)	2041 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	2653 kgCO2e

**Embodied carbon result (kg CO2e) – refrigerant leakage only**

B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life)	0 kgCO2e
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**Embodied carbon result with 'mid-level' calculation method – total**

Result of 'mid-level' calculation method	2,654 kgCO2e
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**Assumptions**

A1: Material carbon coefficient source	CIBSE TM65, Table 2.1
B1: Refrigerant annual leakage rate (%)	N/A
C1: Refrigerant end of life recovery rate (%)	N/A
B3: Materials replaced as part of repair (%)	55
C4: Percentage of product going to landfill (%)	55

