



# TM65

## Mid-level Report

KPC18HTD + PAF1: Kubus HT Cold Drop In Patisserie, self service, 1800mm +  
(Airflow Kit In-Out Customer Side)

Assessment Date 08/12/2025

Manufacturer CED Fabrications

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Metrics

Embodied Carbon

3,548 kgCO2e

Embodied Carbon Footprint



Product Information

Capacity of equipment/size (kW; m3; litres; etc.)	N/A
Product weight (kg)	311 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)	0.7 kg
Energy consumption of the factory* per unit of product	361 kWh
Location of manufacture*	N/A

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

A1: Material extraction	1,563 kgCO2e
A2: Transport	247 kgCO2e
A3: Manufacturing	391 kgCO2e
A4: Transport to site	12 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0.56 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	413 kgCO2e
B4: Replacement	N/A
B5: Refurbishment	N/A
B6: Operational energy	N/A
B7: Operational water	N/A
C1: Refrigerant leakage when decommissioning	0.03 kgCO2e
C2: Transport	4 kgCO2e
C3: Waste processing	98 kgCO2e
C4: Disposal	2 kgCO2e

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

A1–C4 without buffer factor (excluding B1, C1)	2729 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	3548 kgCO2e

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

B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life)	1 kgCO2e
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**Embodied carbon result with 'mid-level' calculation method – total**

Result of 'mid-level' calculation method	3,548 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

