

# TM65

## Mid-level Report



KPC15ASHTD + PAF1: Kubus HT Cold Drop In Patisserie, assisted service, 1500mm  
+ (Airflow Kit In-Out Customer Side)

Assessment Date 08/12/2025

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

Metrics

Embodied Carbon

3,201 kgCO<sub>2</sub>e

Embodied Carbon Footprint



Product Information

|  |   |
|--|---|
| Capacity of equipment/size (kW; m3; litres; etc.)                  | N/A   |
| Product weight (kg)  | 282 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 kgCO <sub>2</sub> e |
| Refrigerant charge (kg)  | 0.52 kg   |
| Energy consumption of the factory* per unit of product             | 327 kWh   |
| Location of manufacture*   | N/A   |

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

|  |              |
|--|--------------|
| A1: Material extraction                                | 1,390 kgCO2e |
| A2: Transport  | 223 kgCO2e   |
| A3: Manufacturing                                      | 354 kgCO2e   |
| A4: Transport to site                                  | 11 kgCO2e    |
| A5: Construction                                       | N/A          |
| B1: Refrigerant leakage during use                     | 0.42 kgCO2e  |
| B2: Maintenance (if information given by manufacturer) | N/A          |
| B3: Repair   | 390 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  | 4 kgCO2e     |
| C3: Waste processing                                   | 88 kgCO2e    |
| C4: Disposal   | 1 kgCO2e     |

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

|  |             |
|--|-------------|
| A1–C4 without buffer factor (excluding B1, C1) | 2462 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1)    | 3200 kgCO2e |

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

|   |          |
|---|----------|
| B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life) | 0 kgCO2e |
|---|----------|

**Embodied carbon result with 'mid-level' calculation method – total**

|  |              |
|--|--------------|
| Result of 'mid-level' calculation method | 3,201 kgCO2e |
|--|--------------|

**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                    |

