



# TM65

## Mid-level Report

KNB18FB: (Option) Night Blind - 1800mm Kubus Cold Patiss. KPC18FBHT-D  
(Factory Fit)

Assessment Date 08/12/2025

Manufacturer CED Fabrications

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Metrics

Embodied Carbon

42 kgCO2e

Embodied Carbon Footprint



Product Information

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

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

|  |             |
|--|-------------|
| A1: Material extraction                                | 25 kgCO2e   |
| A2: Transport  | 1 kgCO2e    |
| A3: Manufacturing                                      | 2 kgCO2e    |
| A4: Transport to site                                  | 0.07 kgCO2e |
| A5: Construction                                       | N/A         |
| B1: Refrigerant leakage during use                     | 0 kgCO2e    |
| B2: Maintenance (if information given by manufacturer) | N/A         |
| B3: Repair   | 3 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 kgCO2e    |
| C2: Transport  | 0.02 kgCO2e |
| C3: Waste processing                                   | 0.56 kgCO2e |
| C4: Disposal   | 0.01 kgCO2e |

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

|  |           |
|--|-----------|
| A1–C4 without buffer factor (excluding B1, C1) | 32 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1)    | 42 kgCO2e |

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

|   |     |
|---|-----|
| B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life) | N/A |
|---|-----|

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

|  |           |
|--|-----------|
| Result of 'mid-level' calculation method | 42 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 (%)    | 10                    |
| C4: Percentage of product going to landfill (%) | 55                    |

