



TM65

Mid-level Report

KHBM2: 2-1Gn Kubus Dry Heat Bain Marie 825mm (Self Help)

Assessment Date 30/09/2025

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

Metrics

Embodied Carbon

723 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) | 53 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 | 62 kWh |
| Location of manufacture* | N/A |
| Product complexity category | 3 |

| Embodied carbon results (kg CO2e) – breakdown | |
|---|-----------------------|
| A1: Material extraction | 340 kgCO2e |
| A2: Transport | 42 kgCO2e |
| A3: Manufacturing | 67 kgCO2e |
| A4: Transport to site | 2 kgCO2e |
| A5: Construction | N/A |
| B1: Refrigerant leakage during use | 0 kgCO2e |
| B2: Maintenance (if information given by manufacturer) | N/A |
| B3: Repair | 87 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 | 0.7 kgCO2e |
| C3: Waste processing | 17 kgCO2e |
| C4: Disposal | 0.26 kgCO2e |
| Embodied carbon results (kg CO2e) – without refrigerant leakage | |
| A1–C4 without buffer factor (excluding B1, C1) | 556 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1) | 723 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 | 723 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 |

Bill of Materials

| Component name | Manufacturer name | Quantity |
|----------------------------------|-------------------|----------|
| HBM2B Dry Heat Bain Marie - Base | CED Fabrications | 1 |
| KSH2HOT 2-1Gn KUBUS HEATED | CED Fabrications | 1 |
| UNIT GANTRY OPTION 825mm (SH) | | |