

# TM65

## Mid-level Report



(PTS45W) Back Bar Plain Top Shelving Unit (Glass Storage Rack Shelf Type) - 450(l) x 560(d) x 945(h)

Assessment Date 30/07/2026

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

### Metrics

Embodied Carbon

**243** kgCO<sub>2</sub>e

### Embodied Carbon Footprint



### Product Information

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| Capacity of equipment/size (kW; m3; litres; etc.)                  | N/A    |
| Product weight (kg)                                                | 25 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             | 29 kWh |
| Location of manufacture*                                           | N/A    |
| Product complexity category                                        | 3      |

#### Embodied carbon results (kg CO2e) — breakdown

|                                                        |             |
|--------------------------------------------------------|-------------|
| A1: Material extraction                                | 110 kgCO2e  |
| A2: Transport                                          | 20 kgCO2e   |
| A3: Manufacturing                                      | 31 kgCO2e   |
| A4: Transport to site                                  | 0.98 kgCO2e |
| A5: Construction                                       | N/A         |
| B1: Refrigerant leakage during use                     | 0 kgCO2e    |
| B2: Maintenance (if information given by manufacturer) | N/A         |
| B3: Repair                                             | 17 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                                          | 0.33 kgCO2e |
| C3: Waste processing                                   | 8 kgCO2e    |
| C4: Disposal                                           | 0.12 kgCO2e |

#### Embodied carbon results (kg CO2e) — without refrigerant leakage

|                                                |            |
|------------------------------------------------|------------|
| A1–C4 without buffer factor (excluding B1, C1) | 187 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1)    | 243 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 | 243 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                    |



CONTACT US

[hello@niscai.com](mailto:hello@niscai.com)

WEBSITE

[niscai.com](https://niscai.com)

SOCIAL

[LinkedIn](#)