



TM65

Mid-level Report

MM15LHD + MMDR15L: 4 Tier 1500 Large Cold Merch. (Front Hinged Door) + (Rear Doors)

Assessment Date 12/02/2026

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

Metrics

Embodied Carbon

3,886 kgCO2e

Embodied Carbon Footprint



Product Information

| | |
|--|--|
| Capacity of equipment/size (kW; m3; litres; etc.) | N/A |
| Product weight (kg) | 397 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 | No refrigerant, Propane (R 290), 0.04 kgCO2e |
| Refrigerant charge (kg) | 0.5 kg |
| Energy consumption of the factory* per unit of product | 124 kWh |
| Location of manufacture* | N/A |
| Product complexity category | 3 |

| Embodied carbon results (kg CO2e) — breakdown | |
|---|-----------------------|
| A1: Material extraction | 2,136 kgCO2e |
| A2: Transport | 314 kgCO2e |
| A3: Manufacturing | 129 kgCO2e |
| A4: Transport to site | 16 kgCO2e |
| A5: Construction | N/A |
| B1: Refrigerant leakage during use | 0.4 kgCO2e |
| B2: Maintenance (if information given by manufacturer) | N/A |
| B3: Repair | 324 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 | 5 kgCO2e |
| C3: Waste processing | 32 kgCO2e |
| C4: Disposal | 2 kgCO2e |
| Embodied carbon results (kg CO2e) — without refrigerant leakage | |
| A1–C4 without buffer factor (excluding B1, C1) | 2958 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1) | 3845 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 | 3,886 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 (%) | 85 |
| C4: Percentage of product going to landfill (%) | 55 |