

# TM65

## Mid-level Report



MMH9LHD + DGPLD: 3 Tier 900 Large Hot Merch. (Front Hinged Door) + (D.Glazed Side Panels)

Assessment Date 12/02/2026

Manufacturer CED Fabrications

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**Metrics**

Embodied Carbon

2,425 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)                                                | 244 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             | 76 kWh |
| Location of manufacture*                                           | N/A    |
| Product complexity category                                        | 3      |

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

|                                                        |              |
|--------------------------------------------------------|--------------|
| A1: Material extraction                                | 1,165 kgCO2e |
| A2: Transport                                          | 193 kgCO2e   |
| A3: Manufacturing                                      | 79 kgCO2e    |
| A4: Transport to site                                  | 10 kgCO2e    |
| A5: Construction                                       | N/A          |
| B1: Refrigerant leakage during use                     | 0 kgCO2e     |
| B2: Maintenance (if information given by manufacturer) | N/A          |
| B3: Repair                                             | 375 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                                          | 3 kgCO2e     |
| C3: Waste processing                                   | 20 kgCO2e    |
| C4: Disposal                                           | 1 kgCO2e     |

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

|                                                |             |
|------------------------------------------------|-------------|
| A1–C4 without buffer factor (excluding B1, C1) | 1847 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1)    | 2401 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 | 2,425 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 (%)    | 44                    |
| C4: Percentage of product going to landfill (%) | 55                    |

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