



# TM65

## Mid-level Report

GMDF5HT + GTTS5: Glide Cold M.Deck - Fixed Back (Self Help) + S.Steel Tray Rail 5-1Gn

Assessment Date 09/04/2026

Manufacturer CED Fabrications

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Metrics

Embodied Carbon

2,997 kgCO2e

Embodied Carbon Footprint



Product Information

Capacity of equipment/size (kW; m3; litres; etc.)	N/A
Product weight (kg)	243 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)	0.715 kg
Energy consumption of the factory* per unit of product	282 kWh
Location of manufacture*	N/A
Product complexity category	3

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

A1: Material extraction	1,577 kgCO2e
A2: Transport	193 kgCO2e
A3: Manufacturing	305 kgCO2e
A4: Transport to site	10 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0.57 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	139 kgCO2e
B4: Replacement	N/A
B5: Refurbishment	N/A
B6: Operational energy	N/A
B7: Operational water	N/A
C1: Refrigerant leakage when decommissioning	0.03 kgCO2e
C2: Transport	3 kgCO2e
C3: Waste processing	76 kgCO2e
C4: Disposal	1 kgCO2e

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

A1–C4 without buffer factor (excluding B1, C1)	2303 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	2994 kgCO2e

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

B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life)	1 kgCO2e
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**Embodied carbon result with 'mid-level' calculation method – total**

Result of 'mid-level' calculation method	2,997 kgCO2e
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**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 (%)	12
C4: Percentage of product going to landfill (%)	55

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