



TM65

Mid-level Report

Mid-level report for **MM900LDHT + DGPLD + GSSETMM9L: 4 Tier 900 Large Cold Merch. (Front Sliding Door) + (D. Glaze...**

Assessment Date 18/08/2025

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

Metrics

Embodied Carbon
2,575 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)	281 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	Propane (R 290), No refrigerant, 0.04 kgCO ₂ e
Refrigerant charge (kg)	0.41 kg
Energy consumption of the factory* per unit of product	87 kWh
Location of manufacture*	N/A
Product complexity category	3

Embodied carbon results (kg CO2e) – breakdown	
A1: Material extraction	1,341 kgCO2e
A2: Transport	222 kgCO2e
A3: Manufacturing	91 kgCO2e
A4: Transport to site	11 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0.33 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	266 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	4 kgCO2e
C3: Waste processing	23 kgCO2e
C4: Disposal	1 kgCO2e
Embodied carbon results (kg CO2e) – without refrigerant leakage	
A1–C4 without buffer factor (excluding B1, C1)	1959 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	2547 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	2,575 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 (%)	86
C4: Percentage of product going to landfill (%)	55



CONTACT US

hello@impact-loop.com ↗

WEBSITE

impact-loop.com ↗

SOCIAL

[LinkedIn](#) ↗

© 2024 ImpactLoop [Terms & Conditions](#) [Privacy Policy](#)

This document, prepared by Join the Loop Ltd (trading as ImpactLoop), is intended for informational purposes only. While we have made every effort to ensure the accuracy and completeness of the information contained herein, we cannot guarantee its absolute accuracy. Join the Loop Ltd (trading as ImpactLoop) disclaims all liability for any errors or omissions, and for any direct or indirect damages arising from the use or reliance on this information. Specifications are subject to change without notice.

Page 3 of 3