



TM65

Mid-level Report

MM18LHD + HDC18: 4 Tier 1800 Large Cold Merch. (Front Hinged Door) + (Heavy Duty Castor)

Assessment Date 12/02/2026

Manufacturer CED Fabrications

Contact Email sales@cedlimited.com

Metrics

Embodied Carbon

4,351 kgCO2e

Embodied Carbon Footprint



Product Information

Capacity of equipment/size (kW; m3; litres; etc.)	N/A
Product weight (kg)	439 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)	0.7 kg
Energy consumption of the factory* per unit of product	137 kWh
Location of manufacture*	N/A
Product complexity category	3

Embodied carbon results (kg CO2e) – breakdown

A1: Material extraction	2,401 kgCO2e
A2: Transport	348 kgCO2e
A3: Manufacturing	142 kgCO2e
A4: Transport to site	17 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0.56 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	360 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	6 kgCO2e
C3: Waste processing	36 kgCO2e
C4: Disposal	2 kgCO2e

Embodied carbon results (kg CO2e) – without refrigerant leakage

A1–C4 without buffer factor (excluding B1, C1)	3312 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	4306 kgCO2e

Embodied carbon result (kg CO2e) – refrigerant leakage only

B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life)	1 kgCO2e
---	----------

Embodied carbon result with 'mid-level' calculation method – total

Result of 'mid-level' calculation method	4,351 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](#)[WEBSITE](#)[SOCIAL](#)hello@impact-loop.com[impact-loop.com](https://www.impact-loop.com)[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.