TM65
Mid-level Report

MSHD6045 - (MSHD6045): Dline (Heavy Duty) Microwave Shelf, 600(l)x 450mm(d), 1.2thk 430gd s.stl. Shelf + Cantilever Wall Fixing Brkts.

Assessment Date 22/10/2026

Manufacturer CED Fabrications

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Metrics

Embodied Carbon

61 kgCO2e

Embodied Carbon Footprint



Product Information

Capacity of equipment/size (kW; m3; litres; etc.)	N/A
Product weight (kg)	6 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	0 kWh
Location of manufacture*	N/A
Product complexity category	3

Embodied carbon results (kg CO2e) — breakdown	
A1: Material extraction	28 kgCO2e
A2: Transport	5 kgCO2e
A3: Manufacturing	8 kgCO2e
A4: Transport to site	0.25 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	4 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	0.08 kgCO2e
C3: Waste processing	2 kgCO2e
C4: Disposal	0.03 kgCO2e

Embodied carbon results (kg CO2e) — without refrigerant leakage	
A1–C4 without buffer factor (excluding B1, C1)	47 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	61 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	61 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 (%)	10
C4: Percentage of product going to landfill (%)	55

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