



Embodied carbon results (kg CO2e) – breakdown	
A1: Material extraction	977 kgCO2e
A2: Transport	151 kgCO2e
A3: Manufacturing	62 kgCO2e
A4: Transport to site	8 kgCO2e
A5: Construction	N/A
B1: Refrigerant leakage during use	0 kgCO2e
B2: Maintenance (if information given by manufacturer)	N/A
B3: Repair	356 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	15 kgCO2e
C4: Disposal	0.94 kgCO2e
Embodied carbon results (kg CO2e) – without refrigerant leakage	
A1–C4 without buffer factor (excluding B1, C1)	1572 kgCO2e
A1–C4 with buffer factor (excluding B1, C1)	2043 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	2,059 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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