

TM65 Mid-Level Calculation UB-1070

615

Site name

Norfolk Bridge Works

Site address 11 Leveson Street, Sheffield, S4 7ER

Products per year

|--|--|

Assessment date	26/07/2022
Assessor	Tasha Lyth
Organisation	Gripple Ltd
Contact	sustainability@gripple.com

Type of product	MEP supports and bracketry
Capacity of equipment (M)	1.07 m
Product weight (kg)	1.85 kg
Material breakdown for at least 95% of the product weight (Y/N)	Υ
Service life of the product (years)	25**
Types of refrigerant	N/A
Refrigerant GWP	0.00 kg
Energy consumption of the factory per unit of product (kWh)	0.70 kWh: Electricity, natural gas
Location of manufacture	Sheffield, UK
Product complexity	Category 1: See CIBSE TM65 table 4.3

Embodied carbon result with 'mid-level TM65 calculation' method total:

8.948 (kg CO₂e)*



*Figure reached using 'Mid-Level' TM65 calculator

**Product service life when installed in accordance with Gripple key recommendations, 25 year extended product warranty available at Technical Services discretion.

UK €€

www.gripple.com TM65-ENG-UB-1070

Gripple's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.



Gripple Ltd | The Old West Gun Works | Savile Street East | Sheffield S4 7UQ Tel 0800 018 4264 Fax 0114 275 1155 Email sustainability@gripple.com



TM65 Mid-Level Calculation **UB-1070**



Embodied carbon result with 'mid-level TM65 calculation' method total:

8.948 (kg CO₂e)*

Embodied carbon results breakdown (kg CO ₂ e)			
A1: Material extraction	5.503 kg C0 ₂ e	TM65 assumption	
A2: Transport	0.367 kg C0 ₂ e	TM65 assumption	
A3: Manufacturing	0.168 kg C0 ₂ e		
A4: Transport to site	0.073 kg C0 ₂ e	TM65 assumption	
B1: Use	0.000 kg C0 ₂ e	TM65 leakage type 0	
B3: Repair	0.570 kg C0 ₂ e	TM65 assumption	
C1: Deconstruction	0.000 kg C0 ₂ e	TM65 leakage type 0	
C2: Transport	0.024 kg C0 ₂ e		
C3: Waste processing	0.168 kg C0 ₂ e		
C4: Disposal	0.008 kg C0 ₂ e	TM65 assumption	

Embodied carbon results - without refrigerant leakage (kg CO ₂ e)		
A1-C4 (excluding B1,C1)	6.883 kg CO ₂ e	
A1-C4 with Buffer Factor (excluding B1, C1)	8.948 kg C0 ₂ e	

Embodied carbon result - refrigerant leakage only (kg CO ₂ e)			
B1 (Refrigerant leakage during use) + C1 (Refrigerant leakage end of life)	0.000 kg C0 ₂ e		
Assumptions			
A1: Material carbon coefficient source	Source = CIBSE TM65 table 2.1		
B1: Refrigerant annual leakage rate (%)	0%: Source = CIBSE TM65 table 4.13 type 2		
C1: Refrigerant end of life recovery rate (%)	100%: Source = CIBSE TM65 table 4.13 type 2		
B3: Materials replaced as part of repair (%)	100%: Source = CIBSE TM65		

50%: Source = CIBSE TM65 C4: Percentage of product going to landfill (%)

*Figure reached using 'Mid-Level' TM65 calculator **25 years for project work as decided by Gripple Technical Services

ĽK €€

www.gripple.com TM65-ENG-UB-1070

Gripple's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.



Tel 0800 018 4264 Fax 0114 275 1155 Email sustainability@gripple.com