Embodied Carbon Calculator: Basic Report

(CIBSE TM65 Digital Tool)



If Section A of the 'Input' tab is correctly completed, the results will be shown here.

Please complete all purple and yellow cells.

If you would like to assist CIBSE in building knowledge on the embodied carbon of products used in building services, please complete as directed, name this file as instructed in the "Introduction and Instructions' tab. and email this file to embodied arbon@cibse.org.

Basic report for 200-647 as manufactured by Excel

30/11/23 Form "dd/mm/y	r.
Self Assessment	
sales@mayflex.com	
	Self Assessment sales@mayflex.com

Other	
1 m	
0.02 kg	
V	
'	
25 Years	
No refrigerant, 0 kgCO2e	
0.00 kg	
Category 3	See CIBSE TM65 Table 4.3
	1 m 0.02 kg Y 25 Years No refriserant, 0 kgC02e 0.00 kg

Embodied carbon results (kg CO_2e) — without refrigerant leakage		
A1: Material extraction (original product)	0.063 kgCO2e	
A1: Material extraction (components that are replaced in B3)	0.006 kgCO2e	
A1-A4, B3, C2-C4: Total embodied carbon with scale-up and buffer factor (excluding refrigerant leakage)	0.145 kgCO2e	

Embodied carbon result (kg $\mathrm{CO}_2\mathrm{e})$ – refrigerant leakage only			
B1 (refrigerant leakage during use) +	0.000 kgCO2e	TM65 leakage Type 0	

C1 (refrigerant leakage at end of life)

0.000 kgC02e

TM65 leakage Type 0

Embodied carbon result with 'basic' calculation method (kg C02e) — total

Result of 'basic' calculation method	0.145 kgCO2e	
	Assumptions	
A1: Material carbon coefficient source	CIBSE TM65, Table 2.1	E.g: Source = CIBSE TM65, Table 2.1
B1: Refrigerant annual leakage rate (%)	CIBSE TM65, Table 4.4 Type 0	E.g: Source = CIBSE TM65, Table 4.4 type 2
C1: Refrigerant end of life recovery rate (%)	CIBSE TM65, Table 4.4 Type 0	E.g: Source = CIBSE TM65, Table 4.4 type 2

C1: Refrigerant end of life recovery rate (%)	CIBSE TM65, Table 4.4 Type 0	E.g: Source = CIBSE TM65, Table 4.4 type 2
B3: Materials replaced as part of repair (%)	CIBSE TM65, Table 2.1	E.g: Source = CIBSE TM65, Table 2.1
	Details	
Please provide any relevant details		

Information disclosure	Select Yes if you agree	Notes
I consent to CIBSE's use of the data contained in this form for		
research purposes, on the condition that all identifying	Yes	
information is removed from any published output.		
I consent to CIBSE's use of the data contained in this form in		
order to establish an embodied carbon database for products	Yes	
used in building services.		