



Vertical Lossnay VL-250

A balanced pressure heat recovery ventilation unit that can be installed below-ceiling. Featuring a non-permeable, counter flow type resin core, the system can achieve high thermal efficiency of up to 90%* and extract from humid areas.

Calculation of product embodied carbon under TM65 ANZ local Addendum by CIBSE.



Embodied Carbon Result with 'Mid-level
TM65 Calculation' Method Total:

198 (kg CO₂e)

Assessment Date:

27th September 2023

Assessor / Organisation:

Mitsubishi Electric

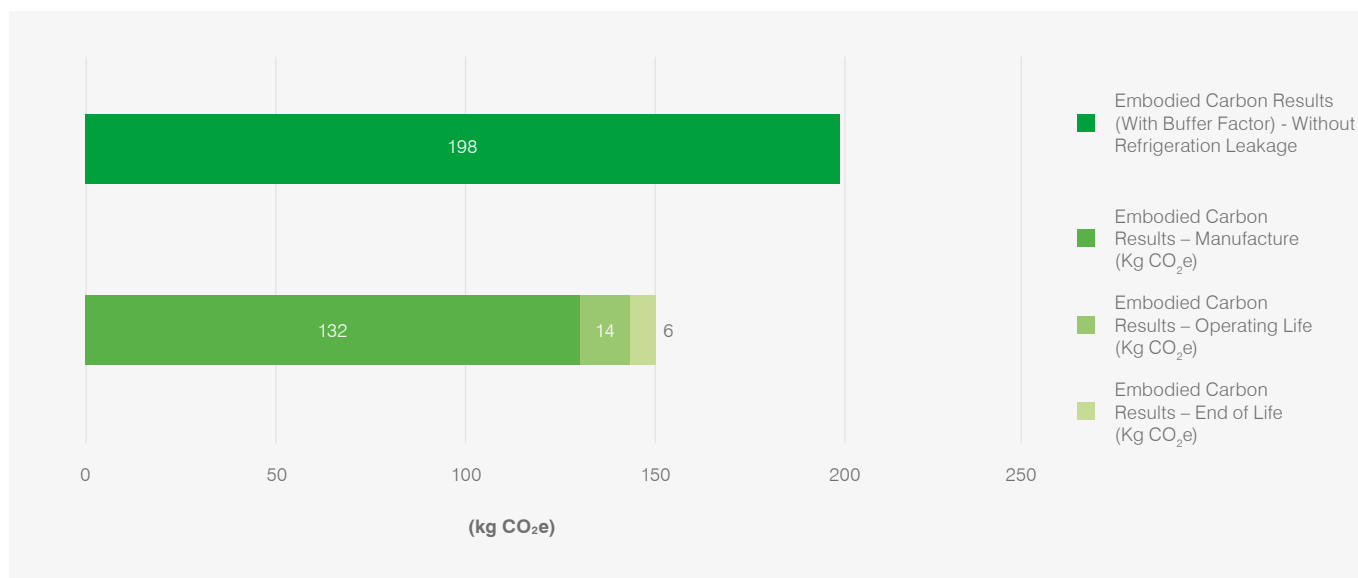
Contact:

compliance@bdt.co.nz

Valid Country:

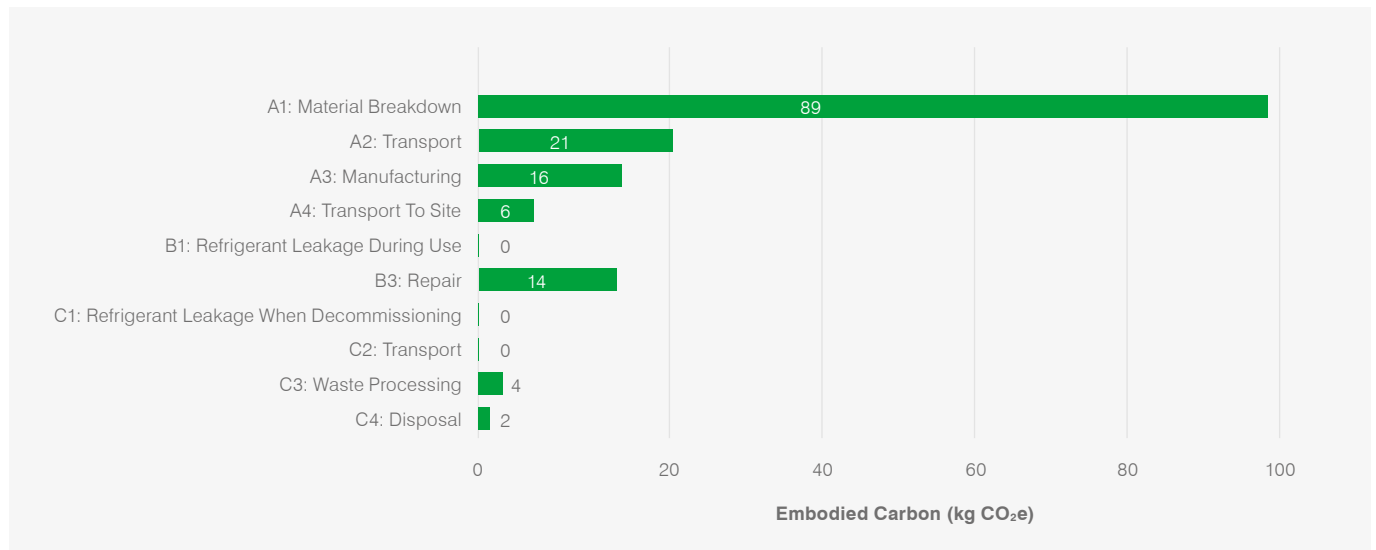
New Zealand

PRODUCT INFORMATION	
Type of product	MVHR
Equipment capacity	69 L/s
Product weight	26.0kg
Material breakdown for at least 95% of product weight	Yes
Product service life	15 years
Type of refrigerant	N/A
Refrigerant charge	0kg
Country of origin	Japan
Product complexity	Category 3: High



*Efficiency achieved at fan speed 1.

Results Breakdown - Embodied Carbon A1 – C4 (Excluding B1 and C1)



Summary of Embodied Carbon Results (kg CO₂e)

A1 – C4 (Excluding B1 and C1)	152
A1 – C4 with Buffer Factor (Excluding B1 and C1)	198
B1: Refrigerant Leakage During Life + C1: Refrigerant Leakage at End of Life	0

Calculation Assumptions

A1: Material Carbon Coefficient Source	TM65 ANZ Local Addendum
A4: Transport to site distances	10,000km by sea, 300km by road (TM65 ANZ assumption)
C4: Percentage of unit being recycled	70% (TM65 ANZ assumption)

Note: Data is correct at time of document publication and may be subject to vary based on manufacturing and shipping variations on a case by case basis.

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 PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE



Vertical Lossnay VL-350

A balanced pressure heat recovery ventilation unit that can be installed below-ceiling. Featuring a non-permeable, counter flow type resin core, the system can achieve high thermal efficiency of up to 90%* and extract from humid areas.

Calculation of product embodied carbon under TM65 ANZ local Addendum by CIBSE.



Embodied Carbon Result with 'Mid-level
TM65 Calculation' Method Total:

362 (kg CO₂e)

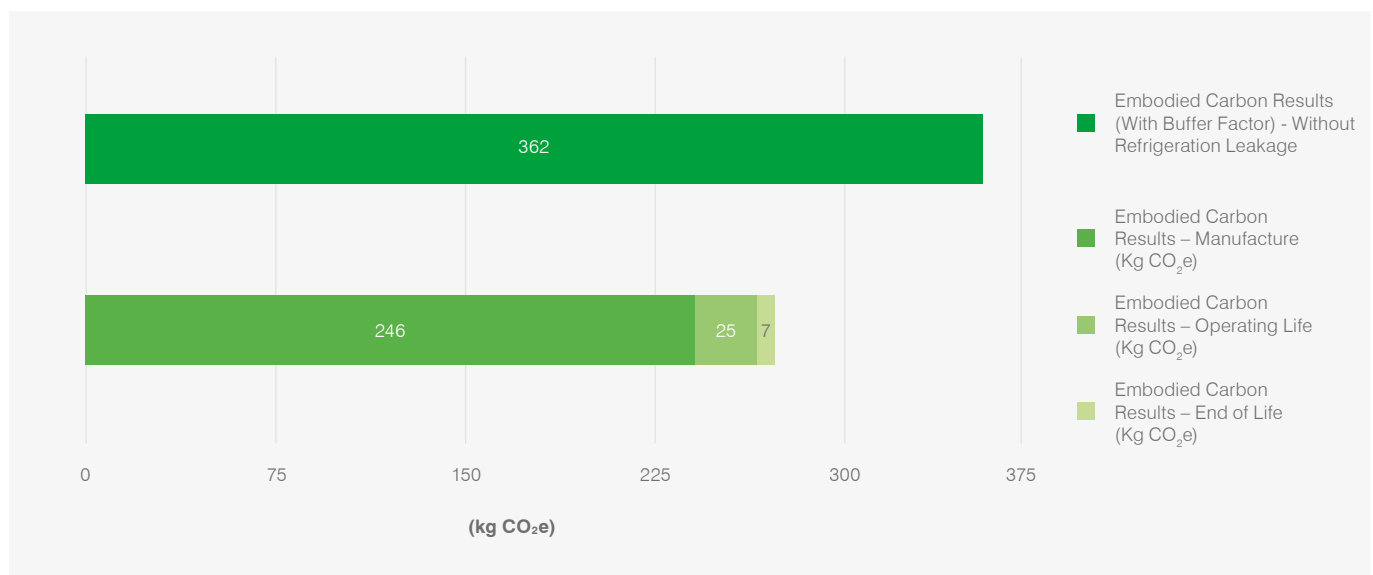
Assessment Date:
11th September 2024

Assessor / Organisation:
Mitsubishi Electric

Contact:
compliance@bdt.co.nz

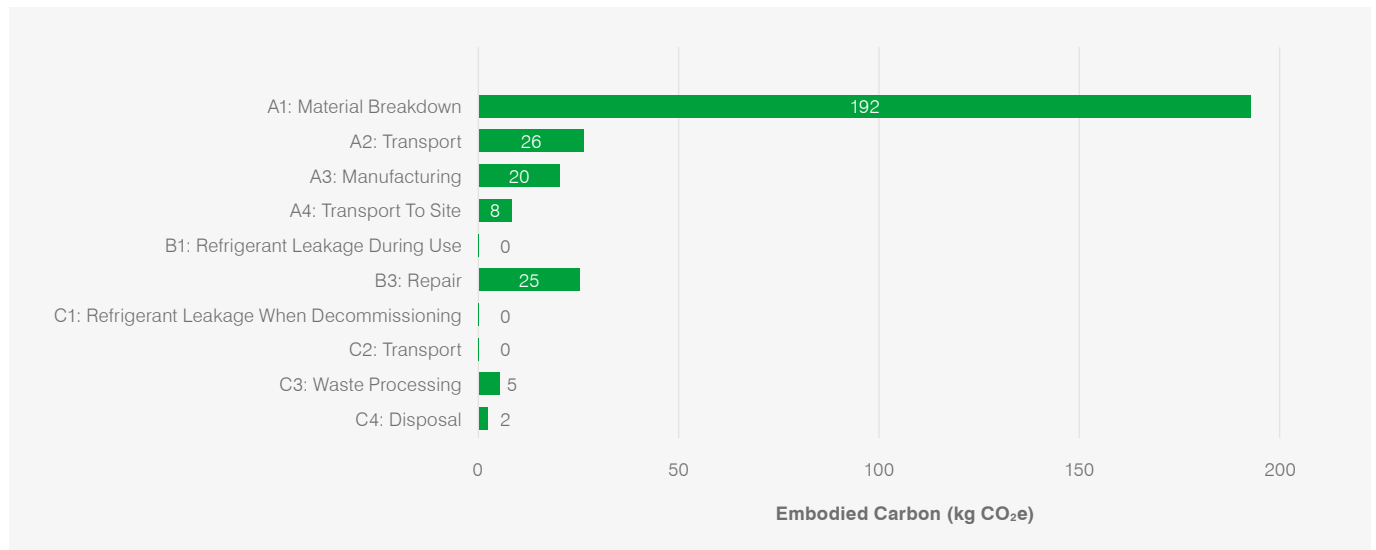
Valid Country:
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PRODUCT INFORMATION	
Type of product	MVHR
Equipment capacity	89 L/s
Product weight	32.0kg
Material breakdown for at least 95% of product weight	Yes
Product service life	15 years
Type of refrigerant	N/A
Refrigerant charge	0kg
Country of origin	Japan
Product complexity	Category 3: High



*Efficiency achieved at fan speed 1.

Results Breakdown - Embodied Carbon A1 – C4 (Excluding B1 and C1)



Summary of Embodied Carbon Results (kg CO₂e)

A1 – C4 (Excluding B1 and C1)	278
A1 – C4 with Buffer Factor (Excluding B1 and C1)	362
B1: Refrigerant Leakage During Life + C1: Refrigerant Leakage at End of Life	0

Calculation Assumptions

A1: Material Carbon Coefficient Source	TM65 ANZ Local Addendum
A4: Transport to site distances	10,000km by sea, 300km by road (TM65 ANZ assumption)
C4: Percentage of unit being recycled	70% (TM65 ANZ assumption)

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 PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE



Vertical Lossnay VL-500

A balanced pressure heat recovery ventilation unit that can be installed below-ceiling. Featuring a non-permeable, counter flow type resin core, the system can achieve high thermal efficiency of up to 92%* and extract from humid areas.

Calculation of product embodied carbon under TM65 ANZ local Addendum by CIBSE.



Embodied Carbon Result with 'Mid-level
TM65 Calculation' Method Total:

422 (kg CO₂e)

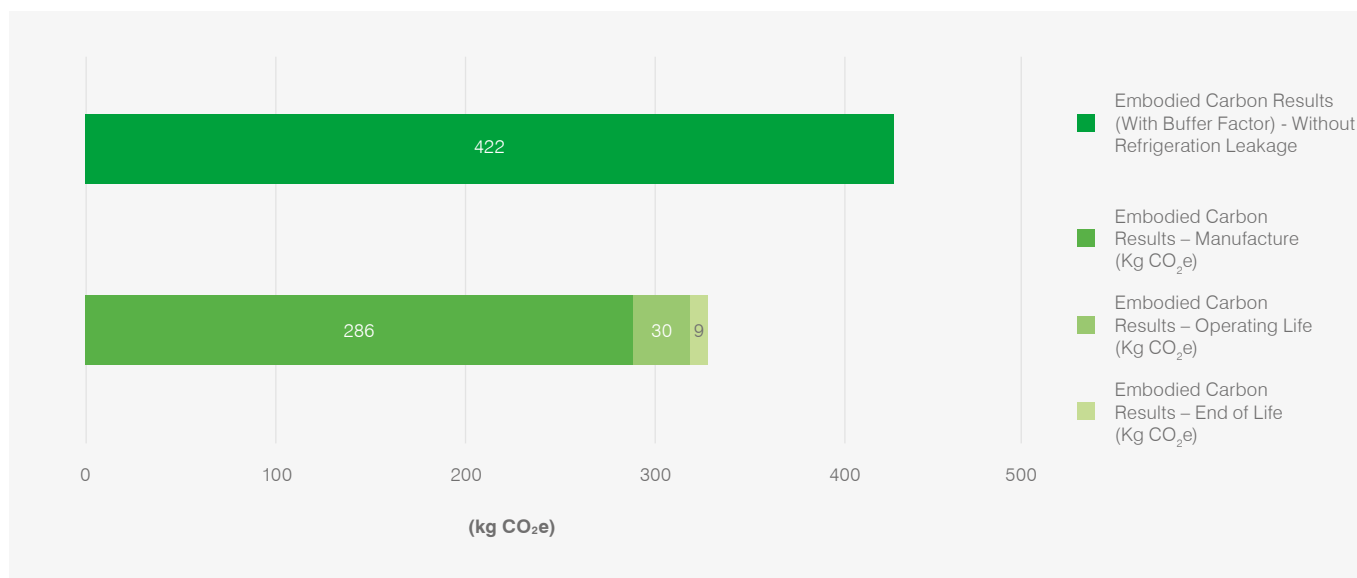
Assessment Date:
11th September 2024

Assessor / Organisation:
Mitsubishi Electric

Contact:
compliance@bdt.co.nz

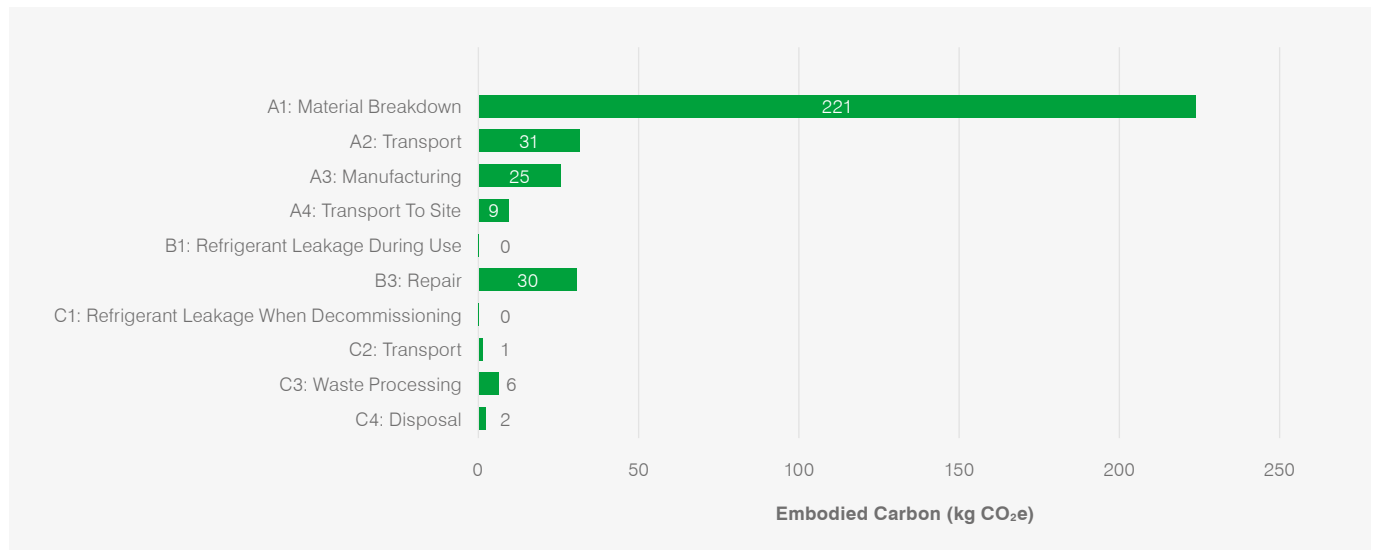
Valid Country:
New Zealand

PRODUCT INFORMATION	
Type of product	MVHR
Equipment capacity	139 L/s
Product weight	39.0kg
Material breakdown for at least 95% of product weight	Yes
Product service life	15 years
Type of refrigerant	N/A
Refrigerant charge	0kg
Country of origin	Japan
Product complexity	Category 3: High



*Efficiency achieved at fan speed 1.

Results Breakdown - Embodied Carbon A1 – C4 (Excluding B1 and C1)



Summary of Embodied Carbon Results (kg CO₂e)

A1 – C4 (Excluding B1 and C1)	325
A1 – C4 with Buffer Factor (Excluding B1 and C1)	422
B1: Refrigerant Leakage During Life + C1: Refrigerant Leakage at End of Life	0

Calculation Assumptions

A1: Material Carbon Coefficient Source	TM65 ANZ Local Addendum
A4: Transport to site distances	10,000km by sea, 300km by road (TM65 ANZ assumption)
C4: Percentage of unit being recycled	70% (TM65 ANZ assumption)

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