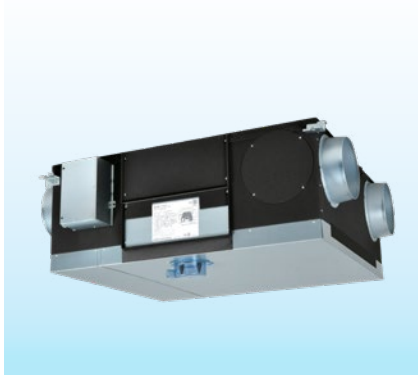


# TM65ANZ Mid Level Calculation

HEAT RECOVERY VENTILATION – EMBODIED CARBON



## LossnayPro LGH-80RVS

An in-ceiling balanced pressure sensible heat recovery ventilation unit featuring a non-permeable counter flow type plastic core. The system can achieve a high thermal exchange efficiency of up to 90%\* and extract from high moisture areas.

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



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

**456 (kg CO<sub>2</sub>e)**

Assessment Date:

**31<sup>st</sup> August 2023**

Assessor / Organisation:

**Mitsubishi Electric**

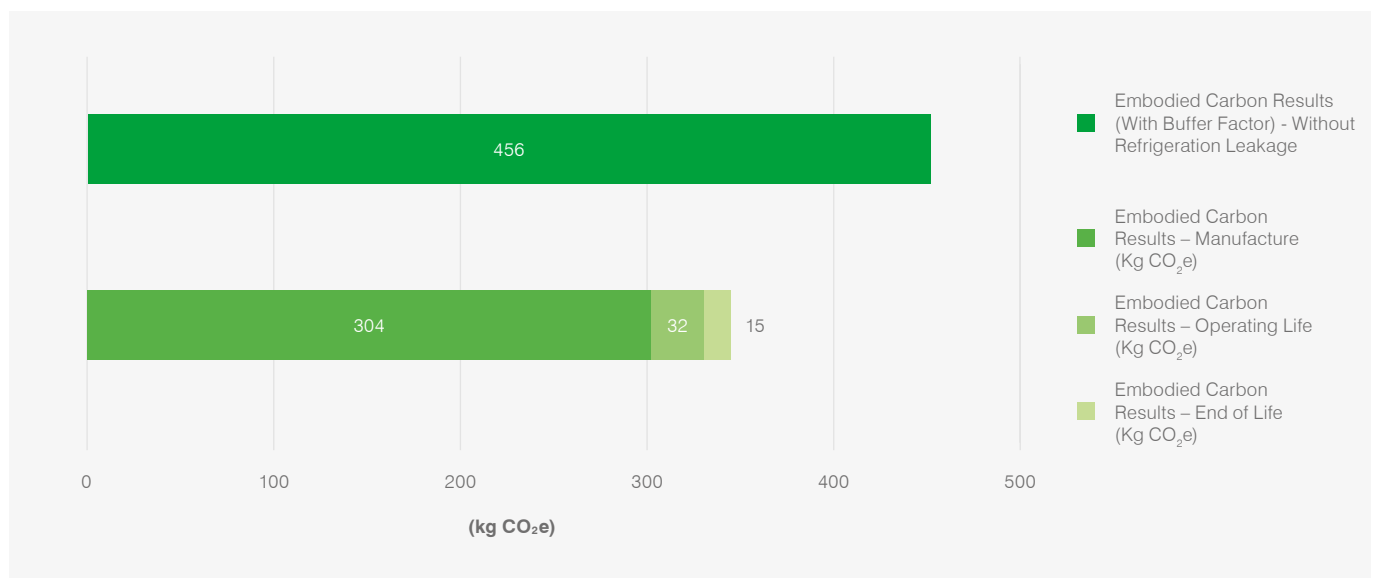
Contact:

**compliance@bdt.co.nz**

Valid Country:

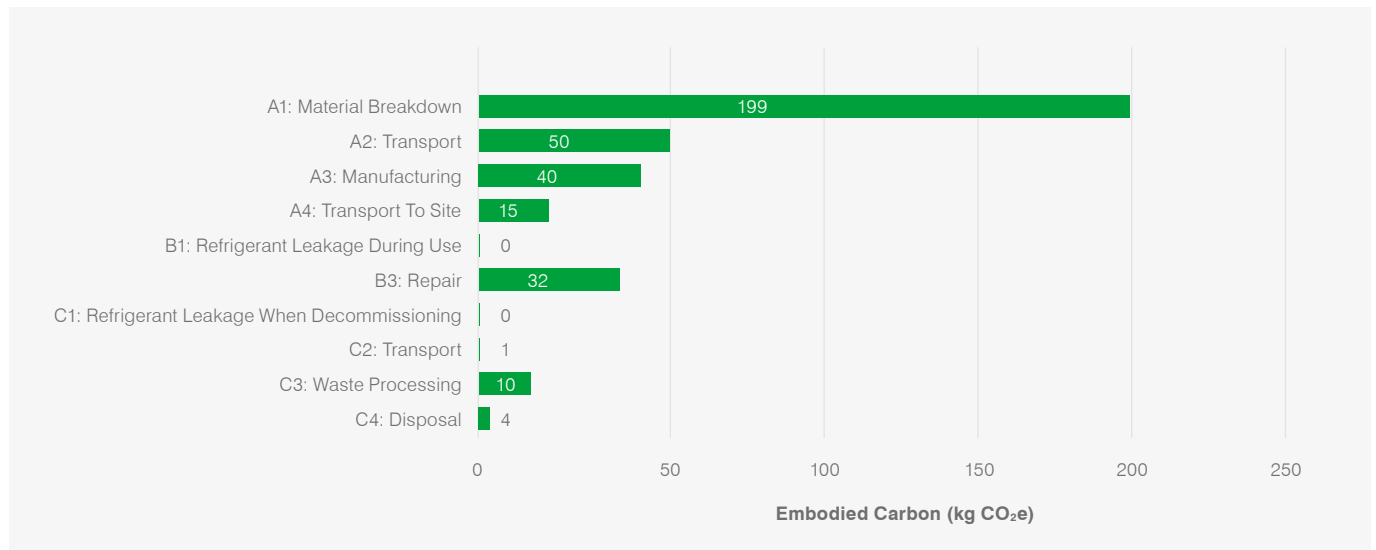
**New Zealand**

PRODUCT INFORMATION	
Type of product	MVHR
Equipment capacity	222 L/s
Product weight	66.0kg
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 CO<sub>2</sub>e)

A1 – C4 (Excluding B1 and C1)	351
A1 – C4 with Buffer Factor (Excluding B1 and C1)	456
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.

For more information please visit our website  
or call our Applied Products Team.  
[www.mitsubishi-electric.co.nz](http://www.mitsubishi-electric.co.nz) | 0800 784 382

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 PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE