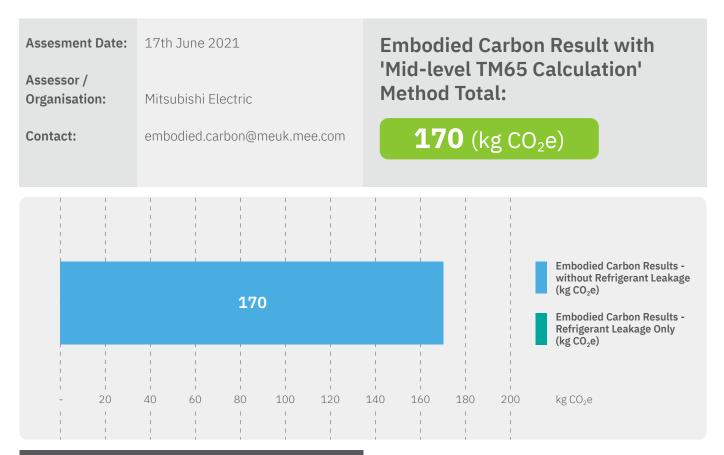


## PLFY-P50VEM-E

CIBSE TM65 Embodied Carbon Mid-level Calculation



## PLFY-P50VEM-E - Product Information

VRF Indoor Unit
5
19
Y
15
R410A
2088
0.0026
UK
Category 3: High





## PLFY-P50VEM-E

CIBSE TM65 Embodied Carbon Mid-level Calculation



Embodied Carbon Results Breakdown (kg CO <sub>2</sub> e)	
A1: Material extraction	102
A2: Transport	15
A3: Manufacturing	0.5
A4: Transport to Site	1
B1: Use	-
B3: Repair	12
C1: Deconstruction	-
C2: Transport	0.3
C3: Waste Processing	0
C4: Disposal	0.1

Embodied Carbon Results - without Refrigerant Leakage (kg $\rm CO_2e$ )	
A1-C4 (excluding B1,C1)	131
A1-C4 with Buffer Factor (excluding B1, C1)	170

## Embodied Carbon Result - Refrigerant Leakage Only (kg CO<sub>2</sub>e)

B1 (Refrigerant leakage during use) + C1 (Refrigerant leakage end of life)

Assumptions	
A1: Material carbon coefficient source	TM65 Table 2.1 & The ICE Database
B1: Refrigerant annual leakage rate (%)	6 (TM65 Assumption)
C1: Refrigerant end of life recovery rate (%)	97 (TM65 Assumption)
B3: Materials replaced as part of repair (%)	<b>10</b> (TM65 Assumption)
C4: Percentage of product going to landfill (%)	<b>30</b> (TM65 Assumption)



Telephone: 01707 282880 email: embodied.carbon@meuk.mee.com les.mitsubishielectric.co.uk

@meuk les y @green\_gateway





Mitsubishi Electric Living Mitsubishi Electric Living Environmental Systems UK



BLOG thehub.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881 IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP-2089), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:465), R1234ze (GWP-7) or R12344 (GWP-7) or R12344 (GWP-1370) or R1344 (GWP:1430), R513A (GWP:

Effective as of July 2021



