

# Product Carbon Footprint Dashboard

Total Footprint: 124.85 kgCO2e / unit

## Total Product Footprint

### Emissions by Lifecycle Stage

**124.85 kgCO2e**

Key Insights (Emission Hotspots)

Use Phase	112.50 kgCO2e
Use Phase Efficiency	7.57 kgCO2e
Materials	4.55 kgCO2e
Purchased Goods and Services (materials, especially primary aluminum)	0.25 kgCO2e
Production	0.04 kgCO2e
Manufacturing Energy (Scope 2)	0.04 kgCO2e
Upstr. Transport	0.04 kgCO2e

### Carbon Intensity

Use Phase Efficiency makes the footprint, accounting for approximately 89.6% of total emissions due to energy consumption over 5 years.

Purchased Goods and Services (materials, especially primary aluminum) are the second largest contributor at roughly 6.5%.

Manufacturing Energy (Scope 2) contributes approximately 3.9% of the footprint, highlighting opportunities for further decarbonization of manufacturing operations.

Upstr. Transport

### Top Material Hotspot

### Recommendations for Decarbonization

**Aluminum Casting**

Implement energy-efficient design for the use phase and promote energy-saving user practices.

4.00 kgCO2e (example)