

Commercial Walk-In Freezer Sizing Planner (Free PDF)

Estimate storage needs, calculate future growth, record site measurements, and prepare for a professional site survey using one printable worksheet.

1. EXISTING INVENTORY & STORAGE ESTIMATOR

Average Weekly Pallet Count	_____ Pallets	Average Box / Case Volume	_____ Cases
Peak Season Expansion Factor	☐ None ☐ +25% ☐ +50%	Target Loading Method	☐ Manual Roll-in ☐ Pallet Jack

2. PHYSICAL FOOTPRINT & SITE MEASUREMENTS

Max Available Width	_____ mm	Max Available Length	_____ mm
Clear Ceiling Height	_____ mm	External Doorway Clearance	W: _____ x H: _____ mm

3. PRE-SURVEY COMPLIANCE PLANNING CHECKLIST

- ☐ **Thermal Envelope Airflow Gaps**
Confirm a minimum 50mm internal spacing boundary between box contents and perimeter modular panels to ensure deep sub-zero convective circulation currents are completely clear.
- ☐ **Sub-Floor Structural Insulation & Frost Heave**
Plan for insulated panels beneath the flooring slab to prevent floor buckling or ice block heave, especially when choosing low-profile roll-in threshold entrances.
- ☐ **Electrical Infrastructure & Plant Distance**
Estimate the distance between the cold room evaporator box and the remote condensing unit. Long pipe runs require custom refrigerant oil management adjustments and balanced phase supplies.

4. PROFESSIONAL SIZING & LOAD CALCULATIONS ASSESSMENT

Arrange a F-Gas Certified Site Survey:

Ready to confirm your cold chain layout? Get professional heat load calculations, detailed floor plan recesses, and compliant equipment configurations from the walk-in specialist engineers at **Cold Room Plus**.

SURVEYS DESK
+44 7445 699 925