

Cold Room Installation Planning Guide

A practical planning workbook that helps businesses prepare before purchasing a new cold room.

1. SITE INFRASTRUCTURE & TECHNICAL PROFILE

Available Installation Space	L: _____ W: _____ H: _____ mm	Power Supply Availability	☐ Single Phase ☐ Three Phase
Floor Slab Level Matrix	☐ Level ☐ Needs Recessing	Condenser Location Path	☐ Internal ☐ Roof ☐ External Wall

2. KEY PRE-INSTALLATION PLANNING PHASES

- ☐ **Site Access & Logistics Clearance**
Map out the exact path from the delivery vehicle dock to the final installation location. Verify that door openings, corridors, and structural corners can easily handle full-length insulated composite panels and bulky evaporator coil housings.
- ☐ **Floor Slab & Drainage Engineering**
Confirm that the sub-floor slab can handle heavy product weights, pallet jacks, or forklifts. Plan for an integrated water trap drainage point to safely handle condensate runoff during daily automatic defrost cycles.
- ☐ **Ventilation & Condenser Airflow Paths**
Ensure the external refrigeration condensing plant has plenty of cool airflow. If putting units inside an enclosed room, map out proper air extraction ducts to prevent heat build-up and compressor safety shutdowns.
- ☐ **Electrical Utilities & Power Balancing**
Verify that your site electrical distribution panel board has enough spare amp capacity. Position dedicated, weatherproof electrical isolator switches close to where the compressor and evaporator fans will sit before the engineering team arrives.
- ☐ **Operational Hygiene & Cleanroom Layout**
Check local regulations for food hygiene or cleanroom compliance. Plan for coved internal flooring joints, smooth internal corner profiles, and pressure relief vents to prevent structural wall panels from flexing when air pressure shifts.

3. PROFESSIONAL LAYOUT & TURNKEY INSTALLATION SUPPORT

Turnkey Engineering Project Coordination:

Planning a new cold room installation or expanding current refrigeration setups? Get complete structural thermal calculations, bespoke floor recess planning, and F-Gas certified plant work from the specialists at **Cold Room Plus**.

PROJECTS DESK
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