

# Reciprocating Compressor Parallel Unit for Cold Room Refrigeration

This reciprocating compressor parallel unit is designed for cold room refrigeration applications. Multiple reciprocating compressors operate in parallel, delivering efficient and reliable cooling for various cold storage and refrigeration systems.



## Overview

### High-Efficiency Parallel Refrigeration System

This industrial reciprocating compressor parallel unit is engineered for demanding cold room and cold storage applications. By utilizing multi-compressor parallel architecture, the system delivers superior reliability and significant energy efficiency gains compared to single compressor setups. With integrated PLC automation and comprehensive safety protections, it offers a robust solution for warehouses and climate-controlled workshops.

## Performance & Efficiency

### Energy Saving Capacity

**35 %**

Capacity Increase

**20 %**

Efficiency Boost

**50 %**

Max Electricity Savings

## Features

### Core Advantages

- High reliability with world-class components
- Automated operation via PLC control cabinet
- Remote monitoring capability
- Compact structure occupying 1/6th space of Ammonia units
- Easy on-site installation

## Safety & Protection

### Integrated Protection Sensors

High Pressure, Low Pressure, Oil Level, Oil Temperature, Oil Flow, Overload, Overheat

## Applications

### Recommended Industries

Cold Storage • Warehouse Cooling • Workshop Air Conditioning • Perishable Goods Preservation