

Kirby Traditional Compressor Racks



Battle-hardened
solutions when
reliability matters



Front Cover - Military Tank

Designed to share the battle load with the infantry, armoured tanks were first introduced during WWI and soon proved crucial to success due to their formidable power, heavy construction and their unmatched performance. In much the same way, **Kirby Traditional Racks** offer frontline service for critical refrigeration applications, sharing the load amongst several compressors to deliver capacity control, convenience and a safety margin against failure.

Kirby Traditional Compressor Racks

Traditional racks, which share the refrigeration load between multiple compressor units, offer a convenient and centralised solution for large installations. Multiple compressors distribute capacity across several cabinets or coolrooms, providing heavy duty reliability, plus a "fail-safe" backup and safety margin for critical applications.

Optimal refrigeration conditions and efficiency is achieved by adjusting capacity to periods of low and high demand, resulting in peak load sharing and even wear and tear on each compressor. Numerous points easily cater for multiple subsystem connections. Because they're provided as a complete unit, no add-ons are required. This results in less pipe work and makes installation fast, simple and economical.

Eliminating noise and the need for service and maintenance in functional areas like kitchens, food preparation and retail floor space, rack systems can be installed indoors in mechanical service rooms, placed outside or be mounted on the roof.

- Heavy-duty construction eliminates vibration
- Engineered to customers' requirements
- Select from 26 energy efficient compressors
- 4, 6 and 8 cylinder machines offer provision for capacity regulation
- Choose between R404a, R507, R134a, R22 refrigerants
- Semi Hermetic Compressors operate quietly and efficiently
- Refrigerating capacity from 5kW to 500kW
- Vertical or horizontal receivers, with provision for pressure relief valve if required
- Pressure controls as required



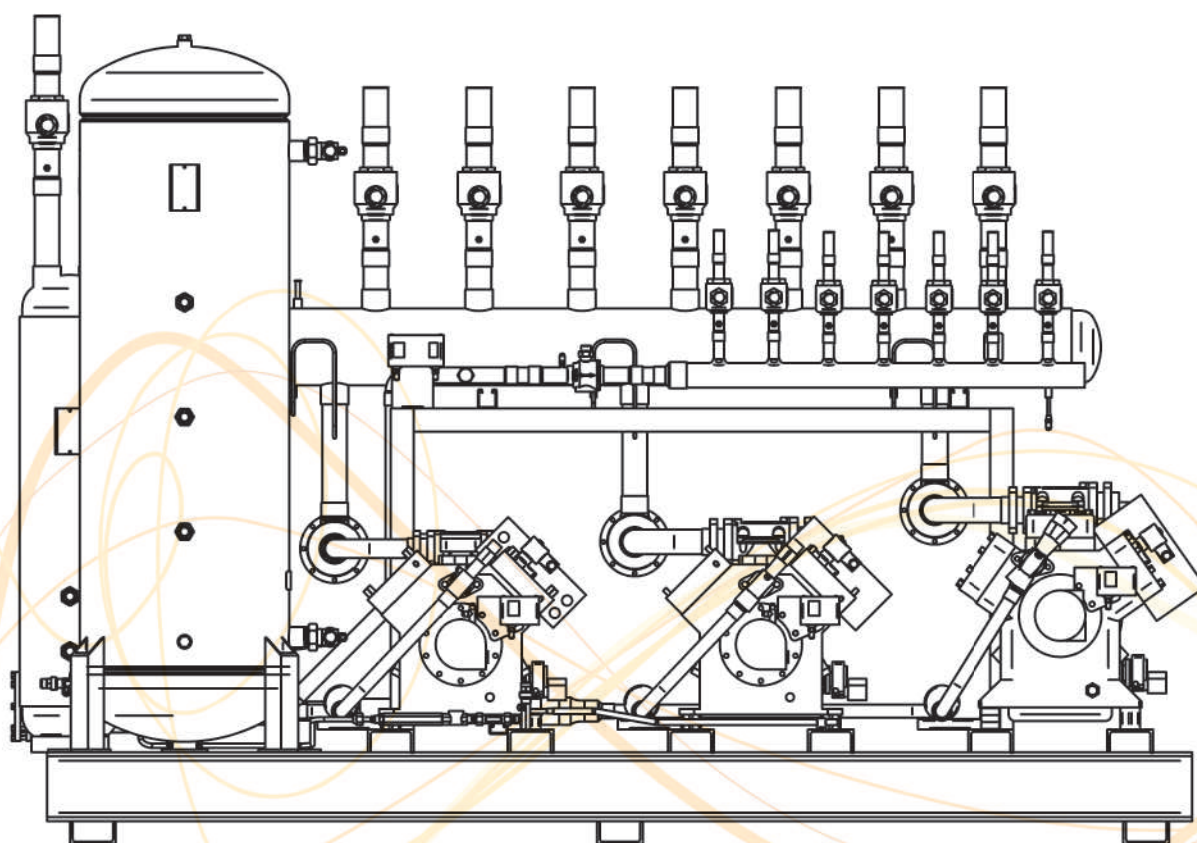
Kirby Traditional Compressor Racks

Features

- Oil separator
- Receiver fitted with pressure relief valve and burst disc
- Traxoil Control with isolating valves
- Oil filter and sight glass
- Oil return headers
- HP/LP safety on each compressor
- LP safety for rack
- Header pipework for parallel operations
- Return oil drain on suction header
- Insulation on suction header and lines only
- Suction filter per compressor (including core(s))
- Liquid Line Drier Shell and Sightglass (including core(s))
- Pressure tested with nitrogen and delivered with pressure charge

Options

- Accumulators (1 per compressor)
- Suction header and liquid ball valve set (max 6)
- Capacity control
- Head cooling fans (1 per compressor)
- Liquid solenoid valve
- 3 gauge panel (suction, discharge and oil pressures)
- Electrical options including full wiring for compressors & condensers
- Dixell Visograph rack controller





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