TYLER

Vertical and Horizontal Receiver Compressor Racks

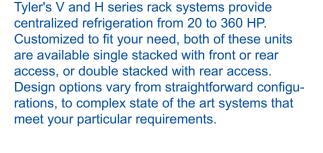






Standard Features

- Structural steel base platform.
- High efficiency semi-hermetic reciprocating compressors.
- Face mounted microprocessor control panel.
- Integral electric defrost control.
- Mechanical oil, defrost, and liquid level controls.
- Horizontal and vertical receiver with liquid level indicator and pressure relief valve.
- Isolation valves at suction and liquid stub connections.
- Insulated suction lines.
- Leak-tight construction with preformed tubing, minimal brazed joints, minimal flare fittings, and flexible lines in lieu of capillary tubing where possible.
- Units are helium leak and electrically tested.
- UL and CUL listed.







This 8-compressor VRP incorporates a double-stacked design and end-mounted control panels that provide high-horsepower output in a smaller footprint.





Factory Options for Parallel Compressor Racks

Factory Options

Physical Arrangement

- · Front or rear piping access.
- 200-230 volts, 380, 460, or 575 volt 3-phase main electrical.
- Single-point connection for power and control.
- Separate voltage-specific connections.
- Direct expansion refrigeration.
- · Type of refrigerant.
- · Secondary loop / glycol design chiller design.
- · Remote or integrated defrost panel.
- Utility outlet at control panel for 5A Max.
- UL and cUL listed Unitary Component.

Compressors

- Reciprocating semi-hermetic and open drive compressors.
- Intelligent store semi-hermetic compressors.
- Compound two-stage reciprocating compressors.
- · Scroll and economized scroll hermetic compressors.
- Digital unloading scroll hermetic compressors.
- Semi hermetic screw compressors.
- Economized screw and scroll compressors.
- Compound two-stage screw compressors.
- Four-year extended compressor warranties.

Piping

- Multiple discharge and suction groups.
- Split suction group with a common discharge.
- Type-L ACR refrigeration copper.
- Manifold mounted on the rack.
- · Remote manifolds.
- Suction and Liquid stub isolation valves at the manifold.
- Pressure taps at each suction and liquid stub, and at the discharge header
- Loose or mounted liquid line solenoids.
- Solenoids with manual lift stems.
- Insulated suction and liquid lines.
- Suction filters per suction group or per compressor.
- Replaceable core liquid filter drier.
- NC-1, NC-2 condenser controls.
- Mechanical subcooling.
- ◆ Enviroguard I & III.
- Split condenser "Winter" control.
- · Heat reclaim for water or space heating.
- Insulated and heated receiver.
- · Receiver sight glass.
- Mechanical float liquid level indicators.
- Electronic liquid level indicators.
- Receiver single and dual pressure relief valves.

Controls

- Mechanical or electronic EPR controls.
- Encapsulated Hi / Low pressure safety controls.
- Adjustable mechanical safety controls.
- Mechanical or electronic oil fail control.
- Computer controlled defrost.
- Time-off electric, hot gas, or latent gas defrost operation.
- Phase loss protection.
- Remote monitoring capabilities.
- In-store alarm or touch-screen communications.
- Computer leak detection.
- Computer lighting control.
- Computer A/C control.
- Case controller interface boards.
- Solid-state computer logic at compressors.
- Computer relay board condenser control.
- Variable speed drive condenser control.

Mechanical Options

- · Crankcase heaters.
- Vibration isolation pads.
- Multiple refrigerant options.
- · Centrifugal oil separator.
- · Coalescing oil separator.
- Inline or dual inline oil filters.
- Air or evaporative cooled remote condenser.
- Water (shell & tube) condenser on rack.
- Cylinder unloading for capacity control.
- Load shifting between split suction.Rupture disk with indicator gauge.
- Rack spring mounts.
- Low speed or "quiet" air cooled condenser.



Manifold piping on HRP rack.