

## Parallel Racks

Custom-designed platforms that offer the ultimate in flexibility, performance, and economy to the industrial refrigeration market.



# Our Interests Run Parallel.

Industrial Refrigeration  
Parallel Racks

*Parallel Racks by Hillphoenix® offer the ultimate in flexibility, performance, and economy to the industrial refrigeration market.*



Parallel Racks by Hillphoenix® are custom-designed platforms that offer the ultimate in flexibility, performance, and efficiency to the industrial refrigeration market. They are built around multiple compressors — however many the installation requires — linked in parallel to provide a host of benefits that are unique to this very robust architecture. And, what a coincidence, all Hillphoenix products are built on parallel rack architecture and we have decades of experience behind them.

## **Tell Us What You Need.**

A Parallel Systems rack from Hillphoenix, because it is designed and built to spec by Hillphoenix refrigeration engineers, accommodates any installation size, any refrigeration load requirement,

and any space constraints for any application. Choose from reciprocating and screw compressors. Install low temp, medium temp or a mix of both in any configuration. Multiple compressors mounted on a single base share common suction and discharge lines and allow refrigeration loads and temperatures to be divided up among compressors based on the requirements of a specific application.

## **All In One and One For All.**

Parallel compressor packages can be sized and designed to better match refrigeration load requirements, address required levels of redundancy, and maximize system efficiency for lower operating costs. Every parallel rack refrigeration system from

Hillphoenix comes with all its components installed at the factory. All compressors, vessels, valves, controls and electrical components piped and wired in a complete package.

## **Optimum Performance Built In from Day One.**

Every parallel rack assembly is configured, built, installed and tested at the Hillphoenix factory before it is shipped. The system is mounted on a skid and sent right to the job site. Our all-in-one parallel rack designs make installation a breeze and maintenance even easier — so important for every application. Pre-wired, pre-piped, and pre-tested to begin working right away with application-specific compressors and capacity steps.

## **Shared Loads Increase Efficiency.**

Multiple compressors serving a single load — choose from reciprocating compressor and/or screw compressors — come with an unmatched level of efficiency. Total refrigeration load divided among multiple compressors allows for more precise capacity control. (Available in ten to two-hundred-fifty-ton capacities.) Compressor(s) can be turned off as opposed to mechanical unloading which leaves compressors operating and consuming energy. And, when loads change or maintenance is required, the other compressors in line adjust their output to match load demands. They pick up the slack to ensure that there will always be refrigeration at work with no interruptions or degraded performance.

# Industrial Refrigeration

**Hillphoenix**<sup>®</sup>

a **DOVER** company

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