



**Hill PHOENIX**  
REFRIGERATION SYSTEMS

## Open Drive Systems

# HPOD

*Leading the way in  
refrigeration systems*



Hill PHOENIX offers a two-stage open drive compressor system that provides simplicity, reliability and efficiency. The two-stage open drive system utilizes low speed, open drive compressors connected to premium efficiency motors. These compressors are piped in a two-stage configuration with the low temperature compressors discharging into higher temperature compressors. This system configuration couples low compression ratios with premium efficiency motors to give one of the most efficient refrigeration systems in the business.

### Simple

A simple system is achieved through complete elimination of valves and regulators in the machine room and through utilization of loop piping to the cases and walk-ins. The evaporators are simply controlled by liquid line solenoid valves in the cases and at the walk-in coils.

In most applications, our two-stage open drive systems use fewer compressors than conventional systems to meet capacity requirements and further reduce complexity.

### Reliable

With reduction of components, the likelihood of failures and leaks is greatly reduced. Laser alignment technology improves and simplifies shaft alignment between motor and compressor which leads to greater reliability and ensures extended life of couplings, bearings, and shaft seals.

Through elimination of oil separators and the use of positive oil flow, constant oil levels are maintained, and both efficiency and reliability are improved.

### Efficient

Efficiency of our two-stage open drive system can be up to 12% greater compared to systems equipped with semi-hermetic compressors. Lower compression ratios, coupled with the use of premium efficiency motors provide the most efficient design. Lower maintenance costs and operating costs make two-stage open drive systems the answer to maximizing your refrigeration return on investment.

### Maximize Flexibility and Operability of Your Two-Stage Open Drive Systems:

- External electric unloading for efficient capacity control
- Compatible with R-404A and R-507 refrigerants
- Ideal primary system for Second Nature secondary refrigerant systems
- One refrigeration circuit for all loads through utilization of three suctions groups: -25F, +15F, +23F
- Heat reclaim by water heat exchanger in machine room
- Ideal for high efficiency air conditioning system application
- PROVEN TECHNOLOGY!

If you're ready for flexible capacity control, efficient operating costs and optimum compressor performance, you're ready for a two-stage open drive refrigeration system from Hill PHOENIX. Talk to one of our expert problem-solvers and discover how we can make handling any load capacity simple, reliable and efficient – today and tomorrow.



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