

GL Series Screw Compressor Package

**14 Models
100 - 2500HP**

Designed for high stage, booster, or single stage operation, utilizing various refrigerants including R-717, R-22, R-507, R-134A, R-744 and others



180GL
230GL
290GL
340GL
400GL
475GL
565GL
675GL
800GL
1025GL
1210GL
1435GL
1770GL
2110GL

Compressor Features:

- Proprietary line-generated rotor profile and optimized rotor dimensions for improved volumetric efficiency and lower power consumption.
- 5:6 male to female lobe ratio for improved bearing load distribution, lower noise generation, and better bhp/ton performance.
- Patented flow-optimized suction inlet improves volumetric efficiency and reduces noise.
- Service-friendly design combines long-life sleeve bearings with easy access thrust bearings that can be replaced without removing the compressor.
- Double-acting hydraulic capacity control, infinitely adjustable from 10% to 100%.
- Unique Hermetic Differential Transformer (HDT) transmits slide valve position without wear or friction and requires no external seal.
- Patented low pressure drop suction strainer.
- High performance, all steel, multiple disc coupling with factory assembled center member for quick installation and removal.
- Unique keyless frictional coupling hub on the compressor end provides an easily adjustable and releasable mechanical shrink fit. This feature provides all the benefits of a shrink fit, but without the problems.
- Uses industry standard size motors with oversized junction box for easier connection.
- Shimless motor mounts facilitate fast, easy, and accurate motor alignment checks.
- Advanced GForce™ microprocessor control panel is standard with options for refrigeration system control.

Package Features:

- Multi-stage oil separator design guarantees low oil loss.
- Partial-flow, full-time oil pump.
- Three-way thermostatic oil temperature control valve standard with oil cooler options.

Product Drawings:

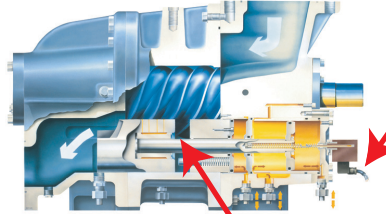
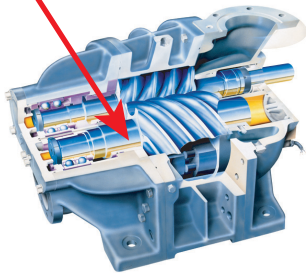
- Contact your nearest GEA FES, Inc. sales representative or go to www.geafes.com, click on 'Tools'. . . 'Documentation'. . . 'General Arrangement (GA) drawings'.

GL Series Compressor Packages (14 models, 100 - 2500HP)

180GL, 230GL, 290GL, 340GL, 400GL, 475GL, 565GL, 675GL, 800GL, 1025GL, 1210GL, 1435GL, 1770GL, 2110GL

Sleeve Bearings:

- Infinite life
- Inherently quiet

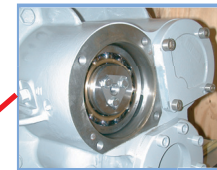


Hermetic Slide Valve Indicator:

- No leaks
- Fewer repairs
- 4-20A Output

Variable Vi:

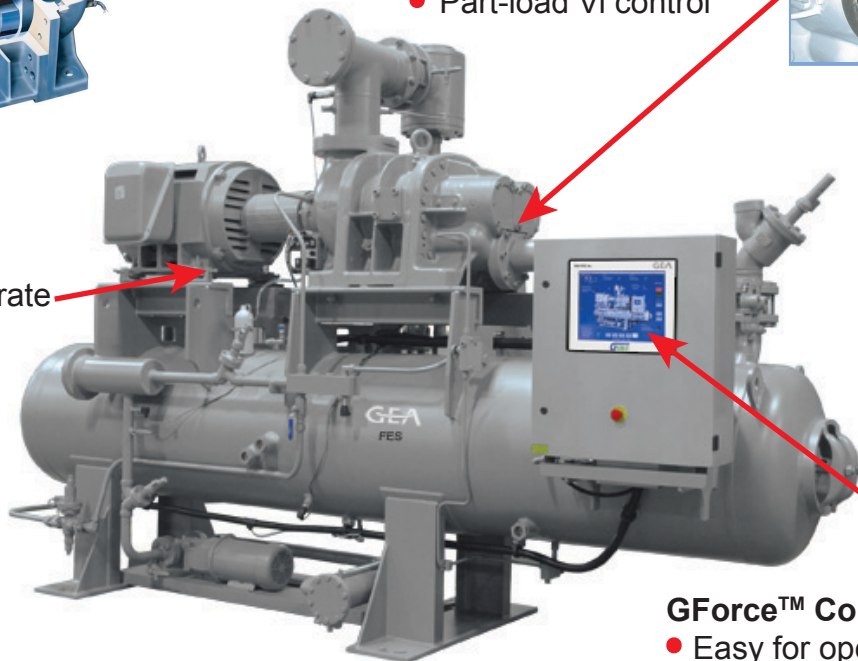
- Infinitely variable
- Part-load Vi control



Shimless Motor Mounts:

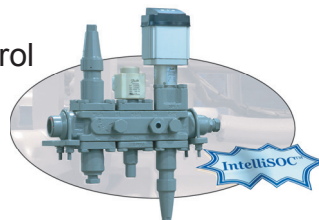
- Easy and accurate alignment
- No "Soft Foot"

With field replaceable thrust bearings there is no seal removal; no compressor removal. No other compressor provides this serviceability.



Optional IntelliSOC Liquid Injection Oil Cooling:

- Reduced package and field piping
- Precise discharge temperature control
- Low discharge pressure operation
- Lower operating costs



GForce™ Control Panel:

- Easy for operators to use and maintain
- Easy to troubleshoot problems with on-screen information
- Web browser interface
- Built-in Supervisory System Features:
 - Operation manuals/drawings
 - Full feature historical data
 - Maintenance logs



GEA FES, Inc.

3475 Board Road
York, PA 17406-8414 USA
Tel. 717-767-6411 ▪ Fax 717-764-3627 ▪ www.geafes.com

Form No.
GL08-10
Subject to change
without notice