

GS Series Screw Compressor Package

**4 Models
25 - 150 HP**

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.



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.
- High performance cylindrical roller axial bearings and duplex angular contact ball thrust bearings.
- 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.
- Integrated suction strainer and check valve.
- Internal oil pump for capacity control on high stage units.
- Integrated oil filter and metering valve.

Package Features:

- Multi-stage oil separator design guarantees low oil loss.
- Three-way thermostatic oil temperature control valve standard with oil cooler options.
- High performance, steel, elastomeric coupling with high torque 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.
- NEMA C Face mounted Motor bolts to the coupling housing and requires no alignment.
- Advanced GForce™ microprocessor control panel is standard with options for refrigeration system control.

Product Drawings:

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

Grasso Rc 12 Compressor Manual

Y Pai



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