



# GEA FES XSeries Screw compressor packages

Models 230GLX - 1435GLX  
739 to 4122 CFM

## **GLX compressor design**

- Patented 5/6 rotor profile for highest efficiency
- Infinitely variable Vi
- Hermetic slide valve indicator
- Best COP at full- and part-load operation
- Quick and easy access to field-replaceable thrust bearings
- Inherently quiet and long-lasting sleeve bearings

## **Xceptional package arrangement**

- Compact design
  - Lower package height
  - Ground-level serviceability for most components
- Driveline detached from separator
  - Reduced vibration transmission
  - Minimizes thermal growth effect
- NEMA premium efficiency, low-noise motor
- Suction Filter Combination (SFC) integrated hot-gas operated suction check valve
- Oil Management Center (OMC) for improved reliability and cleanliness

## **Multi-stage oil separator design**

- Minimal oil carryover (not to exceed 5 ppm)
- Smaller oil separator
- Reduced oil charge
- Internal discharge check valve

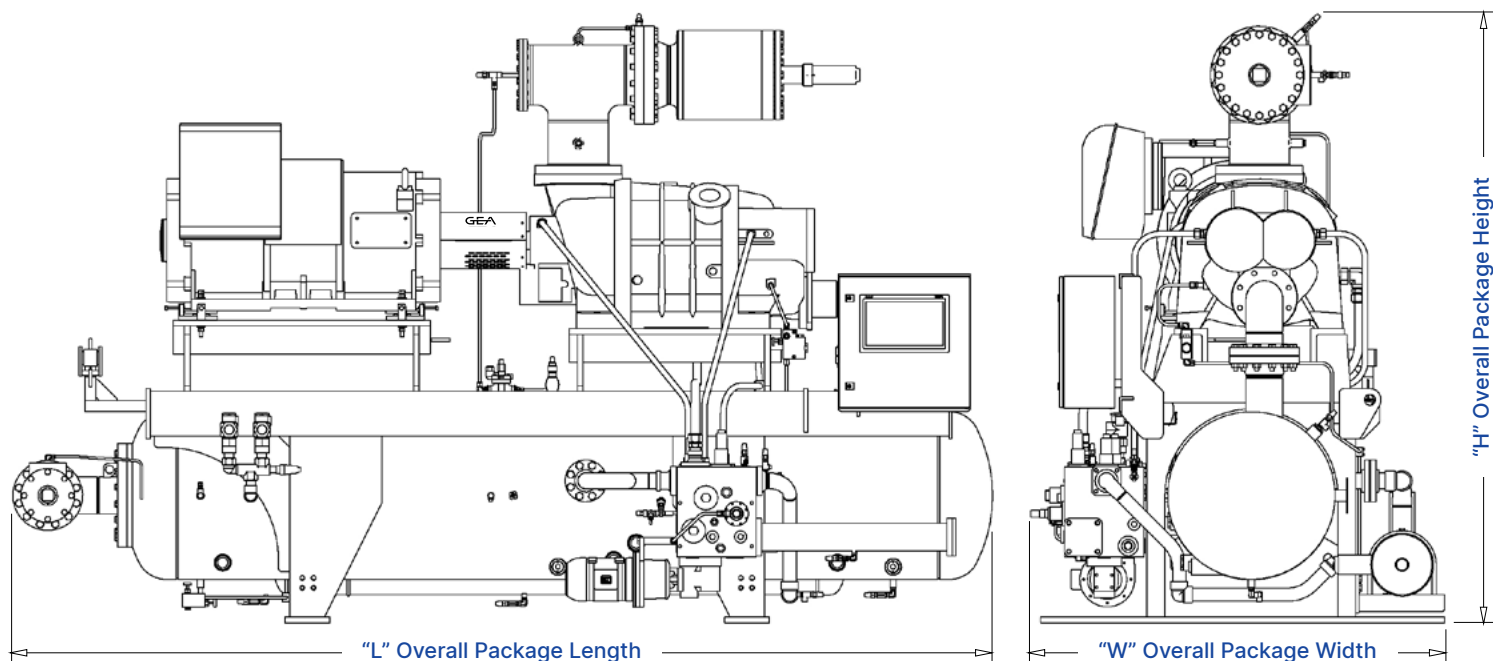
## **GEA Omni control panel**

- High-definition 15.6" color display
- Multi-touch screen for natural and intuitive input
- Configurable modbus TCP/IP communication
- Documentation, drawings and video available directly on the panel display
- Remote access via GEA OmniLink
- Full history via GEA OmniHistorian

# Technical Data (for NH<sub>3</sub>)

## GEA FES GLX Screw Compressor Packages

| Model No.         | Application | Vessel Diameter<br>Inches | Cooling Type | Approximate Dimensions<br>(Inches / Millimeters) |           |            | Standard Connections |     |             |     |
|-------------------|-------------|---------------------------|--------------|--------------------------------------------------|-----------|------------|----------------------|-----|-------------|-----|
|                   |             |                           |              | L                                                | W         | H          | (Suction)            |     | (Discharge) |     |
| 230GLX - 290GLX   | High-Stage  | 20                        | LI           | 141 / 3581                                       | 56 / 1422 | 82 / 2083  | 6                    | 150 | 3           | 80  |
|                   |             |                           | TSOC         | 141 / 3581                                       | 61 / 1549 | 82 / 2083  | 6                    | 150 | 3           | 80  |
| 230GLX - 290GLX   | Booster     | 20                        | LI           | 141 / 3581                                       | 54 / 1372 | 82 / 2083  | 5                    | 125 | 3           | 80  |
|                   |             |                           | TSOC         | 141 / 3581                                       | 61 / 1549 | 82 / 2083  | 5                    | 125 | 3           | 80  |
| 340GLX            | High-Stage  | 20                        | LI           | 144 / 3658                                       | 56 / 1422 | 82 / 2083  | 6                    | 150 | 4           | 100 |
|                   |             |                           | TSOC         | 144 / 3658                                       | 61 / 1549 | 82 / 2083  | 6                    | 150 | 4           | 100 |
| 340GLX            | Booster     | 20                        | LI           | 144 / 3658                                       | 54 / 1372 | 82 / 2083  | 5                    | 125 | 4           | 100 |
|                   |             |                           | TSOC         | 144 / 3658                                       | 61 / 1549 | 82 / 2083  | 5                    | 125 | 4           | 100 |
| 400GLX - 565GLX   | High-Stage  | 24                        | LI           | 170 / 4318                                       | 60 / 1524 | 101 / 2165 | 8                    | 200 | 5           | 125 |
|                   |             |                           | TSOC         | 170 / 4318                                       | 67 / 1702 | 101 / 2165 | 8                    | 200 | 5           | 125 |
| 400GLX - 565GLX   | Booster     | 24                        | LI           | 169 / 4293                                       | 58 / 1473 | 101 / 2165 | 6                    | 150 | 4           | 100 |
|                   |             |                           | TSOC         | 169 / 4293                                       | 65 / 1651 | 101 / 2165 | 6                    | 150 | 4           | 100 |
| 675GLX - 800GLX   | High-Stage  | 30                        | LI           | 176 / 4470                                       | 68 / 1422 | 110 / 2794 | 10                   | 250 | 6           | 150 |
|                   |             |                           | TSOC         | 176 / 4470                                       | 75 / 1473 | 110 / 2794 | 10                   | 250 | 6           | 150 |
| 675GLX - 800GLX   | Booster     | 30                        | LI           | 174 / 4420                                       | 64 / 1626 | 110 / 2794 | 8                    | 200 | 5           | 125 |
|                   |             |                           | TSOC         | 174 / 4420                                       | 71 / 1803 | 110 / 2794 | 8                    | 200 | 5           | 125 |
| 1025GLX - 1210GLX | Booster     | 30                        | LI           | 174 / 4420                                       | 65 / 1651 | 115 / 2921 | 8                    | 200 | 5           | 125 |
|                   |             |                           | TSOC         | 174 / 4420                                       | 72 / 1829 | 115 / 2921 | 8                    | 200 | 5           | 125 |
| 1435GLX           | Booster     | 36                        | LI           | 179 / 4547                                       | 70 / 1778 | 121 / 3073 | 10                   | 250 | 6           | 150 |
|                   |             |                           | TSOC         | 179 / 4547                                       | 78 / 1984 | 121 / 3073 | 10                   | 250 | 6           | 150 |



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