



# Industrial Refrigeration Solutions for a World of Applications

GEA XSeries™ Screw Compressor Packages  
Models 55GMX - 195GMX  
164 to 618 CFM

## The GEA Advantage

### GMX compressor design

- Patented 5/6 rotor profile for highest efficiency
- Integrated hot-gas-activated suction check valve:
  - Reduces package losses for improved BHP/TR
  - Eliminates check-valve chatter for longer valve life
- Infinitely variable  $V_i$
- Best COP at full- and part-load operation
- Quick and easy access to field-replaceable thrust bearings

### Exceptional package arrangement

- Compact design
- Ground-level serviceability
- Consolidated oil connection reduces package leak points
- Discharge hold-back valve
  - No oil pump needed for high-stage, fixed-speed NH<sub>3</sub> applications
  - Ensures proper pressure achieved for complete oil circulation

### Multi-stage oil separator design

- Minimal oil carryover (not to exceed 5 ppm)
- Guaranteed and rigorously tested
- 20" standard design for most models
- Flathead manway design allows for safer operation and easy access

### D-Flange motor

- No alignment required
- Easy access to service-friendly coupling
- Variable speed operation available (1450 – 4200 rpm)

### GEA Omni™ control panel

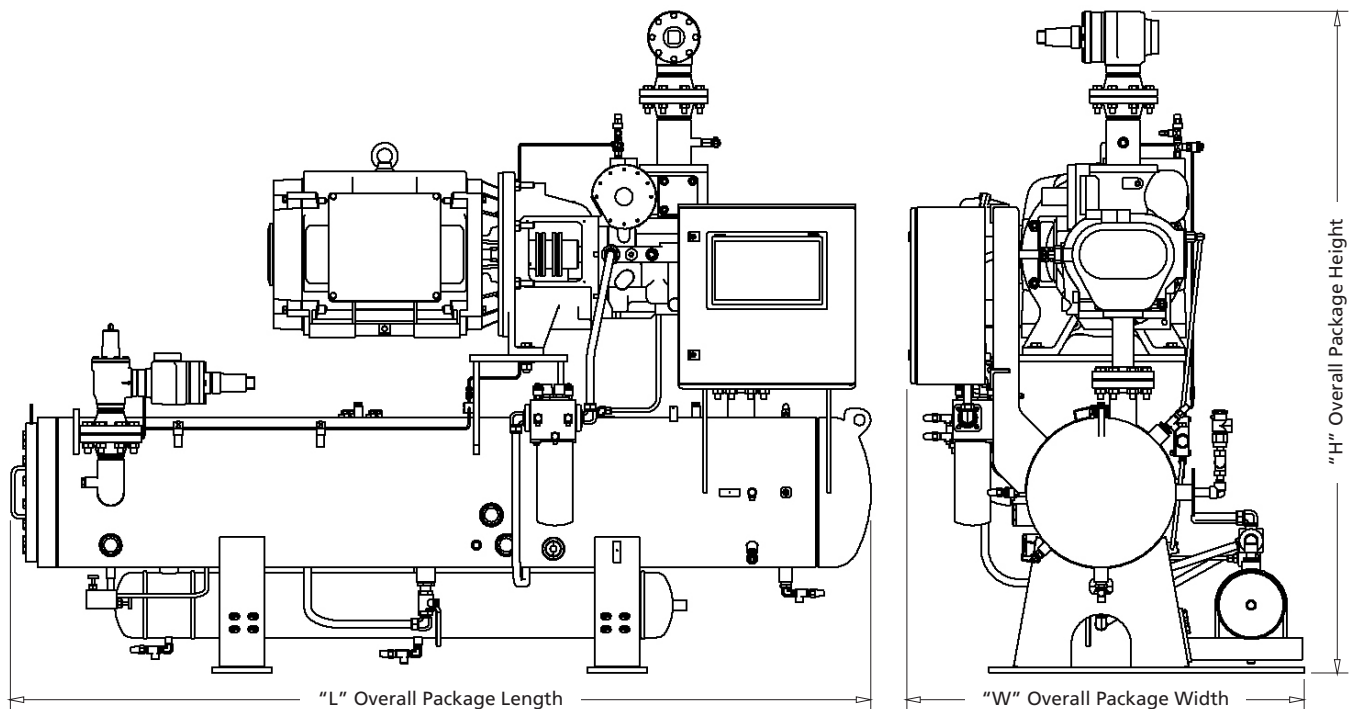
- High-definition 15.6" color display
- Multi-touch screen for natural and intuitive input
- Configurable modbus TCP/IP communication
- Documentation, drawings and video available directly on the panel display
- Remote access via GEA OmniLink™
- Full history via GEA OmniHistorian™

GEA North America's GMX models represent the low range of swept-volume offerings of the company's robust lineup of screw compressor packages, which in total span the 164 to 4122 CFM range. These innovative designs provide significant performance, cost-saving and maintenance advantages and feature GEA's Xceptional warranty.

All GEA screw compressors packages feature the industry-leading GEA Omni™ control panel. GEA Omni provides a high-definition, multi-touch screen and delivers the ease of use and technical wow factor that industrial refrigeration professionals have come to expect from GEA.

### TECHNICAL DATA (for NH<sub>3</sub>)

Model No.	Application	Vessel Diameter (Inches)	Cooling Type	Approximate Dimensions (Inches / Millimeters)			Standard Connections			
				L	W	H	Suction		Discharge	
							Inches	DN	Inches	DN
55GMX - 85GMX	High-Stage Booster	20	LI	102 / 2591	55 / 1397	70 / 1778	3	80	2.5	65
			TSOC	102 / 2591	55 / 1397	70 / 1778	3	80	2.5	65
110GMX - 125GMX	High-Stage Booster	20	LI	115 / 2921	53 / 1346	89 / 2260	4	100	3	80
			TSOC	115 / 2921	53 / 1346	89 / 2260	4	100	3	80
160GMX - 195GMX	High-Stage Booster	20	LI	115 / 2921	54 / 1372	94 / 2388	5	125	3	80
			TSOC	115 / 2921	54 / 1372	94 / 2388	5	125	3	80
195GMX	High-Stage Booster	24	LI	126 / 3200	56 / 1422	99 / 2515	5	125	3	80
			TSOC	126 / 3200	58 / 1473	100 / 2540	5	125	3	80



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