

Industrial Refrigeration Solutions for a World of Applications

GEA XSeries™ Screw Compressor Packages
Models 230GLX – 1435GLX
739 to 4122 CFM

The GEA Advantage

GLX compressor design

- Patented 5/6 rotor profile for highest efficiency
- Infinitely variable V_i
- 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

Exceptional 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

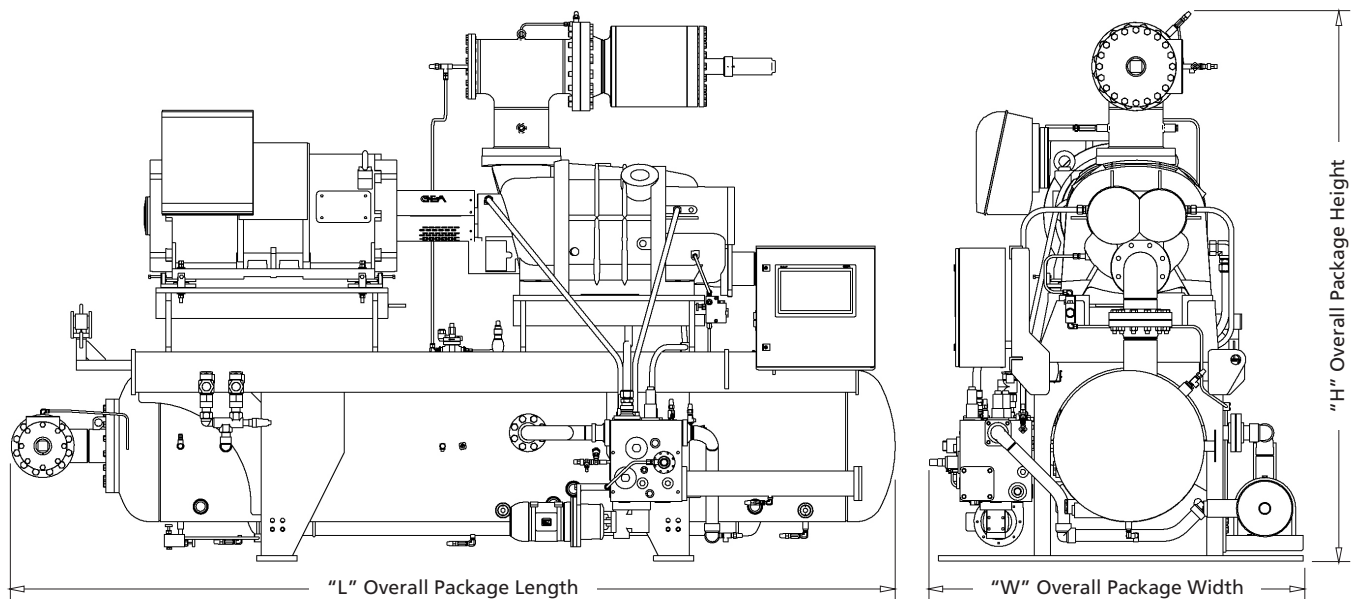
- Minimal oil carryover (not to exceed 5 ppm)
- Smaller oil separator
- Reduced oil charge
- Internal discharge check valve

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 NH₃)

Model No.	Application	Vessel Diameter (Inches)	Cooling Type	Approximate Dimensions (Inches / Millimeters)			Standard Connections			
				L	W	H	Suction		Discharge	
							Inches	DN	Inches	DN
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 / 2565	6	150	4	100
			TSOC	169 / 4293	65 / 1651	101 / 2565	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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