

# ELECTRA-SAVER XXP

**Starting Air Pressure (250 psig)  
Rotary Screw Air Compressors  
Customize Designed Package  
Electric Motor Drive (60 Hz)**



## FULL FEATURE, HIGH PRESSURE ROTARY SCREW COMPRESSOR LINE

- The ONLY full-line, high pressure rotary screw product offering in the industry (50-250 HP).
- Bigger is STILL better with BIG and SLOW air ends.
- Rated for 250 PSIG in intermittent service.
- High pressure, industrial grade component quality.

## DIRECT DRIVEN NON-GEARED AIR END

- Long-life cylindrical and tapered roller bearings ensure reliable, consistent operation.
- Permanent air end-to-motor connection via rigid, flange-mount design.

## ACOUSTIC ENCLOSURE

- Significant overall noise reduction with optional full sound attenuating enclosure (standard on international units).
- Unrestricted access to all service points through three hinged access doors, two bolted roof panels and one full length lift off rear door.

## AUTO-SENTRY® ES+ SERIES SOLID STATE ELECTRIC CONTROLLER

- Most sophisticated, technically advanced microprocessor based control system in the compressor industry.
- Every control option available in the industry is standard on the Gardner Denver Auto-Sentry ES+ controller.
- More self diagnostic capability than any other rotary screw compressor.
- Sequence control for up to eight compressors.



## MAINTENANCE REDUCING DESIGN FEATURES

- Simplified access to air/oil separator, requiring removal of only 6 bolts and no piping to change separator elements. Cuts maintenance time by ninety percent (90%).
- Easy access to spin-on, 10 micron full-flow oil filter and air filter in corrosion resistant centrifugal housing with hood (mounted to the inlet valve).

## HEAVY DUTY INLET AIR FILTER

- Removes 99% of airborne particulate 5 microns and larger.
- Special option for most competitive models.
- Extends lubricant life by almost 20%.
- Extends airend life while reducing inlet air noise.

## ELIMINATOR™ AIR/OIL SEPARATOR

- Better separation and longer life ensured due to having TWICE the surface area of conventional separators.
- Lowest oil carry-over in the industry – less than 2 PPM (by weight) at 100 PSIG (6.9 bar), full load operation.
- Reduces pressure loss common with competitive separation designs.

## STANDARD EQUIPMENT

- Direct Drive, non-geared, base mounted air end
  - Modulating, vertical inlet valve
  - All components rated for high pressure operation as per industry safety standards
  - 460 volt, 3 phase, 60 HZ, 3600 RPM, 1.15 SF, EISA energy efficient, TEFC drive motor
  - Air end and motor shaft are coupled through a permanently aligned, resilient cushion-type flexible coupling
  - Unitized air end/motor assembly mounted to the compressor base with all angle elastomer vibration isolators.
  - Heavy duty, 5 Micron, dry, canister type inlet air filter
  - ASME coded air/oil reservoir with ELIMINATOR™ separator
  - Oil cooler/aftercooler:
    - Air cooled models – heavy duty radiator-type with thermally controlled, totally enclosed fan motor
    - Water cooled models – shell and tube heat exchanger
  - Thermostatic oil mixing valve
  - Package mounted moisture separator and trap
  - Rigid steel base with forklift slots
  - Pressure relief valve and discharge check valve
  - Automatic lowdown valve with muffler
  - Minimum discharge pressure valve
  - Galvanized steel piping lubricant system
  - Filled with CB-9000HV high pressure synthetic lubricant
  - Mounted full voltage magnetic drive motor starter
- Auto-Sentry ES+ microprocessor based, fully programmable touch pad controller with the following functions:
    - Full test Vacuum Florescent Display (VFD) with interactive compressor diagram
    - Operating mode selection: constant run, low demand with reservoir blow down, automatic stop/start with timed blow down and sequence (up to 8 units), all with modulating inlet valve or load/no load control
    - Emergency stop button
    - Complete system diagnostics through VFD:
      - o Displays for hourmeter, loaded hours, total run-time, discharge air temperature, system/reservoir pressure, separator differential pressure and motor amps
      - o Advisory lamps for air filter service, change separator, oil and oil filter change, low/high temperature, sequencing communication error and high motor amps
      - o Protective shutdown lamps for high temperature, low oil pressure, main/fan motor overload, high pressure, change separator, choice of one field-selectable message:
      - o High vibration, phase relay, motor protector, low voltage
  - Power interruption relay
  - High speed electronic modulation control
  - Thermally controlled fan motor on air cooled units
  - Contacts for remote start/stop plus remote monitoring

## OPTIONAL EQUIPMENT

- Reduced current (Softstarter) motor starter
- NEMA 7 control enclosure
- EXP or high efficiency, main compressor motor
- Full sound attenuating enclosure
- Remote mounted air cooled, oil cooler/aftercooler
- Factory filled Food Grade synthetic lubricant

## PERFORMANCE AND SPECIFICATIONS

Package Performance					Approximate Shipping Dimensions (2)			Approximate Shipping Weights (3)	
Motor HP	Style	Model	PSIG (1)	CFM	Length in (mm)	Width in (mm)	Height in (mm)	l/Enclosure lbs (kgs)	w/Enclosure lbs (kgs)
50	ST-50XXP	FCBH04	250	75	79	48	50	2400	2725
60	ST-60XXP	FCBH03	250	90	79	48	50	2425	2750
75	ST-75XXP	FCBH01	250	140	90	55	60	2960	3415
100	ST-100XX	HCBL01	250	220	90	55	60	3035	3490
125	ST-125XXP	MNBE02	250	290	102	60	64	3627	3883
150	ST-150XXP	MNBE01	250	325	102	60	64	3820	4275
200	ST-200XXP	PNBE01	250	450	114	68	69	4200	5000
250	ST-250XXP	QDVAAM01S	250	560	114	68	69	4700	5400

(1) Industrial duty cycle

(2) Dimensions shown are nominal and apply to air and water cooled units.

(3) Weights shown are for air cooled units with standard equipment. Water cooled units weigh slightly less.

Customized factory package only available from:



**C & B Pumps & Compressors, LLC**  
**119 Nolan Road**  
**Broussard, LA 70518**  
**(800) 535-2934 Fax (337) 837-3250**

<http://www.gardnerdenver.com>

13-9-203-250 (6th)

Specifications are subject to change without notice

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