

EL-AV

COMPRESSORS

BL Series Piston Compressors

Built to Last

5HP | 7.5HP | 10HP



Engineered for Reliability, Built to Last

Our **BL Series** piston compressors combine proven heavy-duty construction with advanced design innovations to deliver one thing above all, **unmatched reliability in every application**.

From workshops to demanding industrial sites, these compressors are purpose-built to keep your business running smoothly, day after day.

1. 100% Heavy-Duty Durability

- All-cast-iron pump and crankcase construction for maximum strength and wear resistance.
- Oversized bearings and precision-balanced crankshafts reduce vibration and extend service life.
- Designed for continuous duty cycles under the toughest operating conditions.

2. Maximum Efficiency, Lower Energy Costs

- Optimized cylinder design and slow-running speeds deliver higher CFM per horsepower.
- Advanced cooling system with oversized aftercoolers ensures cooler operation, reducing power consumption.
- Thermal-protected Premium efficiency induction motors to ensure stable and efficient continuous work.

3. Easy & Cost-Effective Maintenance

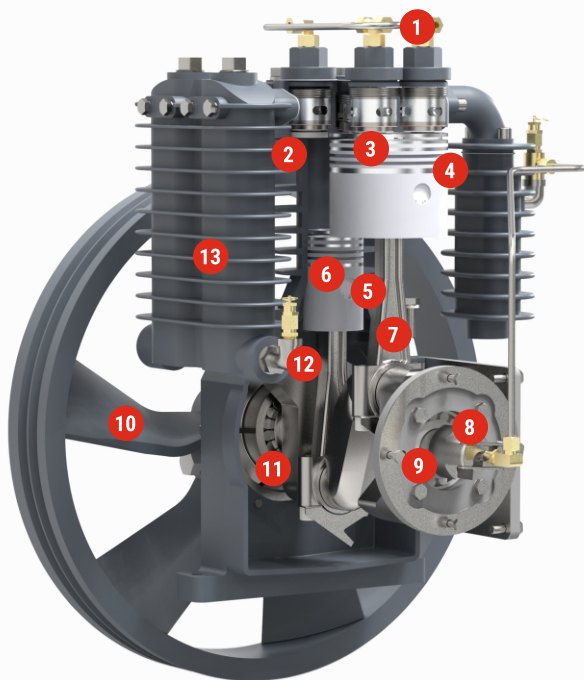
- Individually cast cylinders and accessible valve pockets simplify routine service.
- Long-life stainless-steel valves and premium piston rings ensure quick, low-cost maintenance.
- Fitted with an electrically operated automatic drain for convenient moisture removal.

4. Extended Equipment Life

- Oversized intercoolers and aftercoolers deliver maximum heat dissipation, safeguarding pistons and valves.
- Built-in safety systems, including low-oil protection, prevent damage and unplanned downtime.

5. Flexible Configurations

- Two-stage models, vertical or horizontal tanks, and duplex systems.
- Wide selection of accessories: dryers, filters, drains, and smart controls to adapt perfectly to your air quality and productivity needs.



1. Low Operating Costs

Intake unloaders allow for loadless starting, system flexibility, energy savings and less wear on the motor.

2. Reduced Maintenance Costs

Individual valve pockets allow for easy access during routine maintenance.

3. No Discharge Line Check Valve Needed

Cast-iron valve seats are lapped for a total seal.

4. Increased Efficiency and Less Downtime

Steel valve discs use a unique low-lift design and cast-iron bumpers.

5. Extended Piston Life

High-pressure pistons are constructed of cast iron for maximum strength and durability.

6. High Efficiency

Cast-iron cylinders maintain rigid tolerances for high efficiency.

7. Extended Compressor Life

Aluminum connecting rods feature an oil passage for full-flow lubrication to piston pins.

8. Built-In Compressor Protection

Hydraulic unloader and Safe-Q-Lube protect the compressor if oil pressure drops below normal (when loadless starting or dual control is specified).

9. Reduced Component Wear

Built with a 100% cast-iron design and splash lubrication system for unmatched durability and dependable operation.

10. Durable Construction

Cast-iron crankcase and flywheel promote long-lasting strength.

11. Minimized Downtime

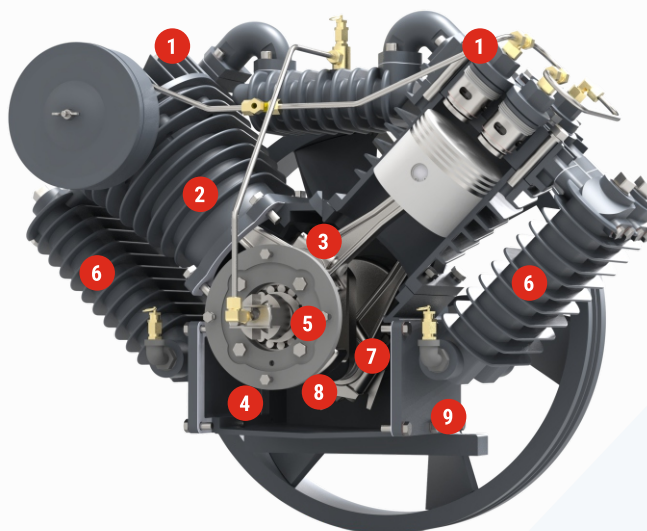
Tapered roller bearings are oversized for trouble-free operation.

12. Reduced Vibration

Rifle-drilled, counter-weighted, one-piece crankshaft extends bearings and wrist-pin life.

13. Extended Equipment Life

Intercooler has large circular fins for maximum heat dissipation and longer life.



1. Two-stage Design: Delivers pressures up to 175 psig

2. Radial Fins for Maximum Cooling: Even 360° cooling of barrel cylinders eliminates hot spots

3. One-piece Connecting Rod: Fewer wearing parts

4. Low Oil Level Switch: Provides constant protection

5. Centrifugal Unloader: Ensures loadless starts for maximum starter protection

6. Integral Fan Blade / Finned Intercooler: Runs cooler, even in the most demanding conditions

7. Overhung Crankshaft: Precision-balanced to run smoothly and quietly; simplifies maintenance and wear-sleeve replacement

8. Splash Lubrication: Simple and reliable

9. 100% Cast Iron: Designed for a lifetime

BL Series Features

Durable Heavy-Duty NEMA motors

Built for performance, our heavy-duty NEMA electric motors deliver unmatched reliability and power for the most demanding applications.

Independent Magnetic Motor Starter with Integrated Relay

Provide safe, reliable motor activation

Offer built-in under-voltage and overload protection for enhanced safety and equipment longevity.

Heavy-Duty Two-Stage Solid Cast Iron Pumps

Features include industrial-grade removable disc valves, dual solid steel connecting rods, and low operating RPM.

Integrated Intercooler and Aftercooler System

The intercooler reduces the air temperature between stages to improve efficiency

Aftercooler cools compressed air before storage, enhancing moisture removal and system performance

80/120-Gallon ASME-Certified Air Receiver

Equipped with vibration isolation pads to minimize operational noise and structural stress

Includes an automatic 110V dual-timer tank drain, virtually eliminating routine manual drainage

Fully Enclosed Heavy-Duty Steel Belt Guard

Ensures operator safety by preventing contact with moving components

Integrated belt tensioner reduces vibration and extends belt service life

Model	BL3060GHP1P	BL30780GHP1P	BL601080GHP1P	BL30780GHP3P	BL601080GHP3P
Tank Type L•W•H	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Dimensions (inches)	76 x 30 x 56	76 x 30 x 56	78 x 32 x 50	76 x 30 x 56	78 x 32 x 50
Model	BL3060GVP1P	BL30780GVP1P	BL601080GVP1P	BL30780GVP3P	BL601080GVP3P
Tank Type L•W•H	Vertical	Vertical	Vertical	Vertical	Vertical
Dimensions (inches)	43 x 24 x 72	43 x 24 x 72	50 x 32 x 78	43 x 24 x 72	50 x 32 x 78
Tank Size	60 Gallon	80 Gallon	80 Gallon	80 Gallon	80 Gallon
Description	5HP	7.5HP	10HP	7.5HP	10HP
	Single Phase	Single Phase	Single Phase	Three Phase	Three Phase
SCFM @ 175 psi	18	31	36	31	36
Max PSI	175	175	175	175	175
Motor HP	5HP	7.5HP	10HP	7.5HP	10HP
Motor RPM	1750	1750	1750	1750	1750
Voltage	208V/230V	208V/230V	208V/230V	208V/230V	208V/230V
Pump Model	BL-30	BL-30	BL-60	BL-30	BL-60
Noise DB(A)	73	73	76	73	76
Outlet Connection	NPT 3/4"	NPT 3/4"	NPT 1"	NPT 3/4"	NPT 1"
Weight (±5 lbs.)	725	920	1065	948	1065
Shipping Weight	790	970	1202	1023	1202

Model	BL30D120GHP	BL60D75H120GHP	BL60D10H120GHP
Tank Type L•W•H	Horizontal	Horizontal	Horizontal
Tank Size	120 Gallon	120 Gallon	120 Gallon
Description	10 (5HPX2)	15 (7.5HPX2)	20 (10HPX2)
	Three Phase	Three Phase	Three Phase
SCFM @ 175 psi	2X18	2X31	2X36
Max PSI	175	175	175
Motor HP	5HP	7.5HP	10HP
Motor RPM	1750	1750	1750
Voltage	208V/230V	208V/230V	208V/230V
Pump Model	BL-30	BL-60	BL-60
Noise DB(A)	76	78	78
Outlet Connection	NPT 3/4"	NPT 3/4"	NPT 1"
Weight (±5 lbs.)	1245	1650	1810
Shipping Weight	1395	1820	2010



UL certified components

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