



EG Series Screw Air Compressors

Life source of industries

ELGI

Always Better.

UPTIMETM
ASSURANCE



www.elgi.com

15 - 300 HP / 11 - 250 kW

SEEING IS BELIEVING.



At ELGi, we're changing the way you look at compressed air systems. It's no longer just about delivering air. It's about delivering UPTIME.

From the way we design, manufacture and support the new EG Series, every aspect of our business is built on keeping yours running: smoothly, efficiently and profitably. That's why we're the first manufacturer to offer a lifetime warranty on our compressors.

What you'll also see in the EG Series is industry-leading energy efficiency, driven by our exclusive slow speed Axis air ends, the most efficient and most robust in the entire industry.

So go ahead. Judge the EG Series by its size, by its appearance, by the way it's built. Even by how it's supported. When you do, you'll see that ELGi is the right partner for your business.



EG11



ELGi screw compressors have undergone testing and certification by the Compressed Air and Gas Institute (CAGI) under the performance verification program



AIR UP.

UPTIME comes standard on every EG Series compressor.

UPTIME Design.

The EG Series is designed on a simple premise: machines that run cooler and cleaner also run longer. That's why we've built the coolest running compressor on the market, with multi-stage air filtration, a cooler designed to run in even the most extreme ambient conditions, and our proprietary Thermo-Zone layout.



ELGi Global (EG) Series compressor platforms feature direct drive operation, industry-leading UPTIME and energy efficiency, and a full array of optional features.

UPTIME Components.

Piece by piece, world-class quality is built into the new EG Series. At the heart of each unit is our exclusive Axis air end, the most efficient, modern and robust in the industry. Yet attention to detail is found everywhere: rigid steel piping, premium valves, even leak-free fittings.

UPTIME Assurance.

Here's where we back our pledge, and further remove your risk, with the most comprehensive, worry-free assurance plan the industry. Only ELGi gives you a lifetime warranty on your compressor. And if there's ever an issue, we'll have your compressor up and running within 48 hours. Our partnership never ends.

UPTIME DESIGN: FORM FOLLOWS FUNCTION. RELIABILITY FOLLOWS



DESIGNED RIGHT

EG Series compressors are designed to operate at extremely high ambient temperatures, upto 113°F (45°C)

ELGi's signature Thermo-Zone layout means that the zones are optimized. This way, the more sensitive components are always running cooler. The machine is designed into Thermo-Zones to ensure maximum UPTIME.

ZONE 1 All electrical and control components - which are most susceptible to heat - are placed in the coolest area of the machine to ensure reliable performance and long life.

ZONE 2 The air end and oil separator tank are located close to each other to confine the heat generating zone, this also results in lower pressure loss.

ZONE 3 When it comes to the cooling system of a compressor, the layout matters. With ample space between zones and optimised cooling surface area, the temperatures are maintained at Industry leading levels.



When less is more

The simplistic design of the EG Series is key to delivering maximum uptime. By utilizing fewer parts than others, we build in greater dependability.



Keeping it clean

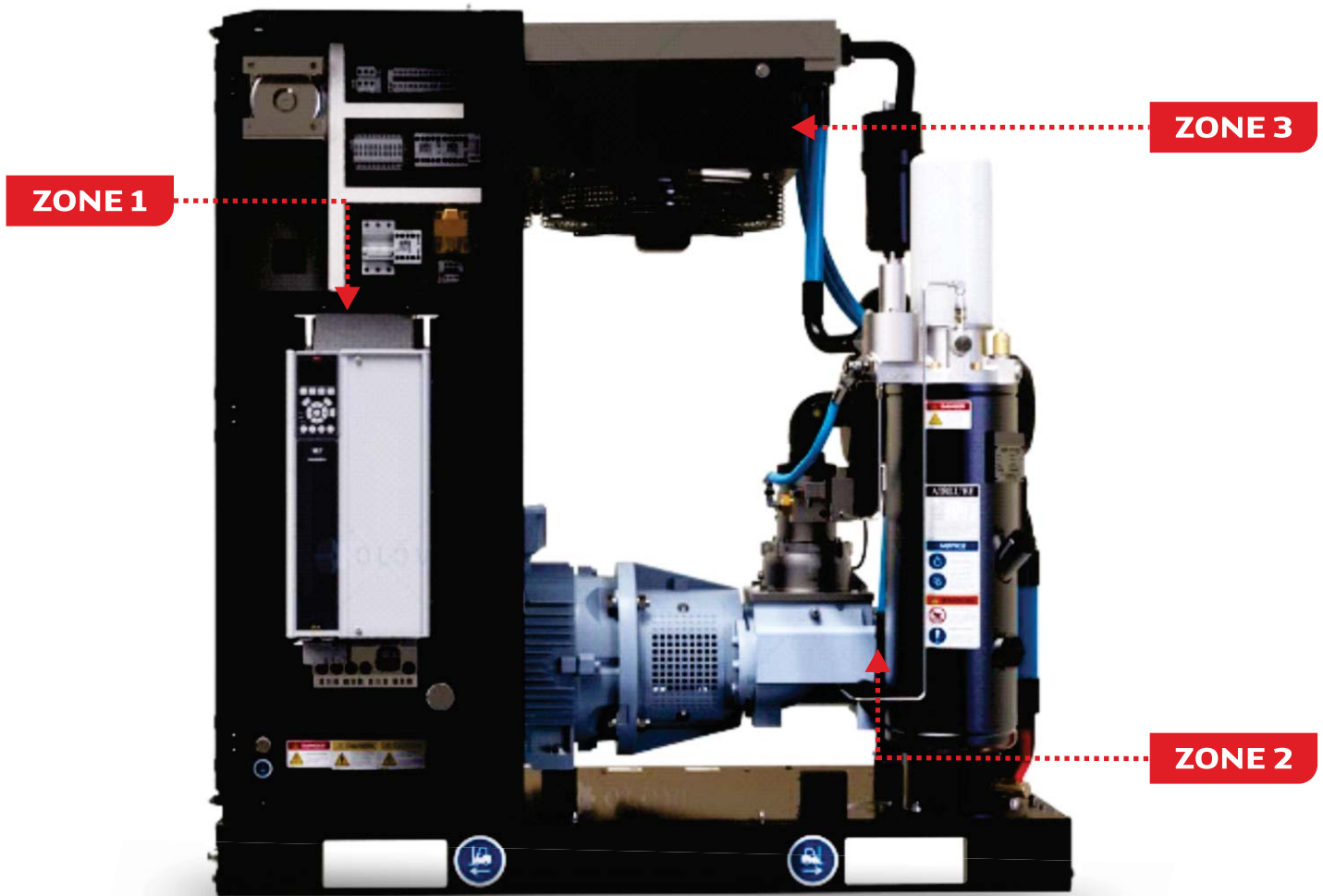
Integral to the EG Series is a special three-stage air filtration system, which dramatically reduces air contamination, and greatly prolongs filter, oil and component life. Cleaner air means lower pressure losses and reduced maintenance. All of which dramatically lowers your costs.



Neuron III controller

Our advanced compressor controller gives you a one stop place to monitor and control your compressor. Easy to use layout and at a glance troubleshooting allows you to maximize your uptime and reduce potential interruption to your manufacturing.

FORM.



Faster service = More UPTIME

The less time spent servicing your compressor, the more time it will run. That's why we've created easy access to routine service points. Large, hinged doors provide access from one side of the compressor. There's an integrated cooler module with easy access for cleaning. Plus, we've extended the life of filters and oil intervals.

Technical manuals made easy

Finding the information you need fast helps you improve uptime. Easy to follow, organized and highly detailed, service technicians will soon find that our technical manuals are the envy of the industry.

Comprehensive options allow configuration to your specific needs

Available options include: zero loss drains, food grade lubricant, energy recovery, outdoor protection, cold weather packaging.

UPTIME COMPONENTS: EVERY PART IS A PREMIUM PART



OUR OWN AIR ENDS

Few companies in the world have the expertise and ability to design and manufacture air ends. And nobody makes a bigger or more robust air end. ELGi Axis air ends utilize our proprietary η -V profile, so the compressor runs slower with higher efficiency.

RUN SLOWER, RUN LONGER

Slow running speeds place less stress on components and raise the efficiency of the compressor. This improves energy efficiency, reduces maintenance costs and saves you money.

YOU WON'T BELIEVE WHAT YOU WON'T HEAR

Quiet operation is the hallmark of top quality air compressors. And the sound levels of the EG Series rival any premium compressor on the market.

HIGH-EFFICIENCY MOTOR

Premium-efficiency motors are used to power the EG Series.

OIL SEPARATION < 1PPM

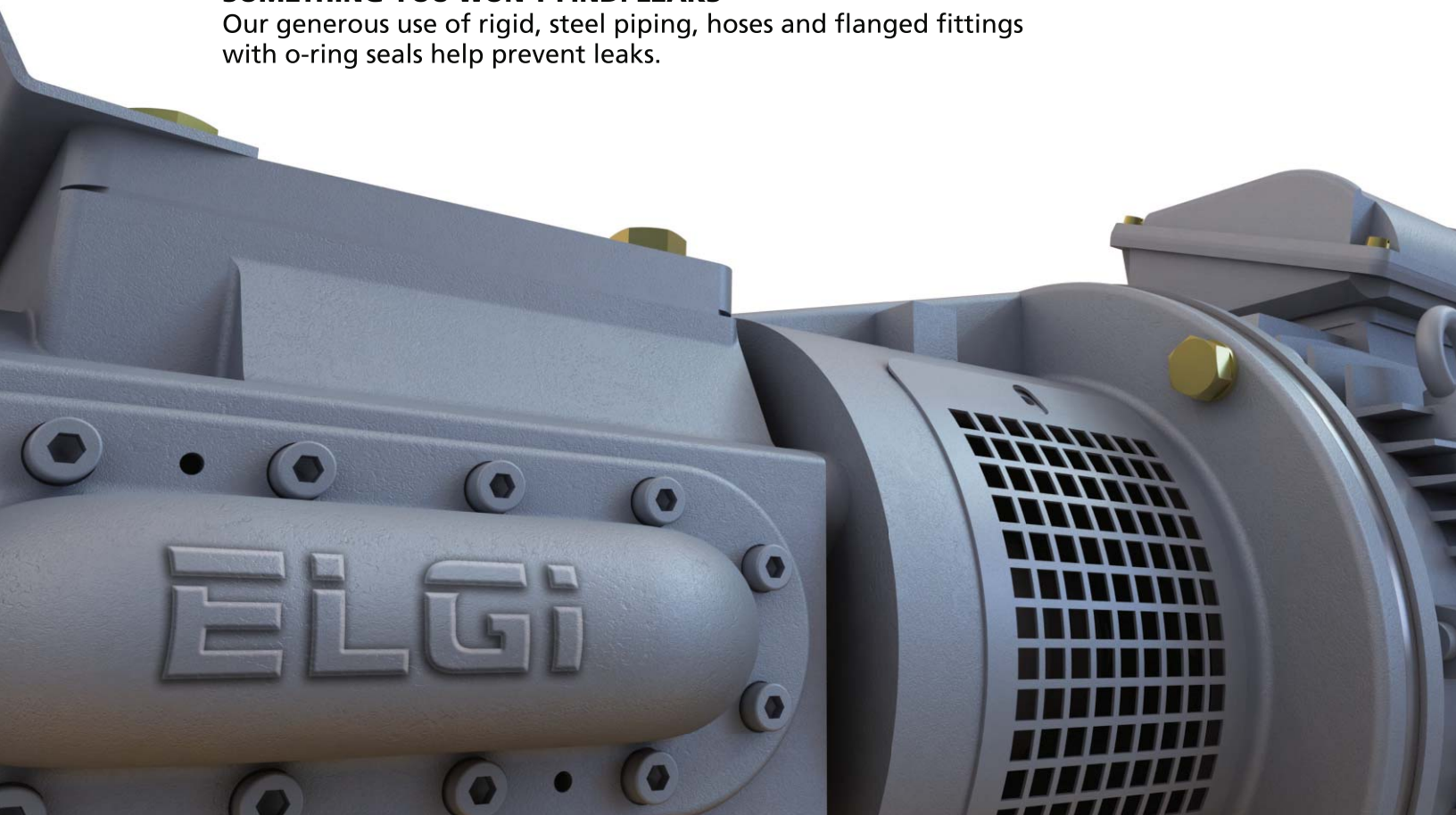
Using a unique, high-efficiency OSBIC process (Oil Separation By Impact and Centrifugal Action). This involves three stages of separation, which ensures longer separator element life and greater air quality. All of which saves you money.

THE SMART COMPRESSOR

ELGi's exclusive Neuron III controller diagnoses all systems and serves as your watchdog for the EG Series. Neuron III monitors all critical systems and provides early warning to prevent critical failures and enable routine maintenance.

SOMETHING YOU WON'T FIND: LEAKS

Our generous use of rigid, steel piping, hoses and flanged fittings with o-ring seals help prevent leaks.



**UPTIME ASSURANCE PLAN:
OUR INDUSTRY-FIRST LIFETIME WARRANTY
REMOVES YOUR RISK**

Industry-leading warranty program*

Compressor Package: Five Years

Includes: motor, cooler, separator tank, VFD, fan motor, controller, all static parts of compressor, pressure and temperature switches, sensors, gauges, fittings and fasteners, canopy, and canopy parts.

Air End Coverage: Lifetime

No service contract required

48-hour parts availability Parts availability shouldn't be a limiting factor for your business. So all ELGi distributors stock high volumes of replacement filters and parts. However, if they don't have a specific part available, we'll ship it to you within 48 hours.

Competitive parts pricing Genuine ELGi replacement parts and consumables (oil, filters) are key to protecting your EG Series compressor and ensuring maximum uptime. That's why we offer them at competitively low prices.

Loaner machines* If your compressor goes down, we'll have it repaired within 48-hours or we'll offer you use of a loaner machine while yours is being repaired.

Customer service hotline When you have service questions, you want to speak to a person, not a machine. You also want that person to be local and knowledgeable. That's why our customer service hotline is staffed by industry professionals who know our products, and your business.

*Terms and Conditions Apply

UPTIME™
ASSURANCE



WATCH YOUR ENERGY SAVINGS ADD UP

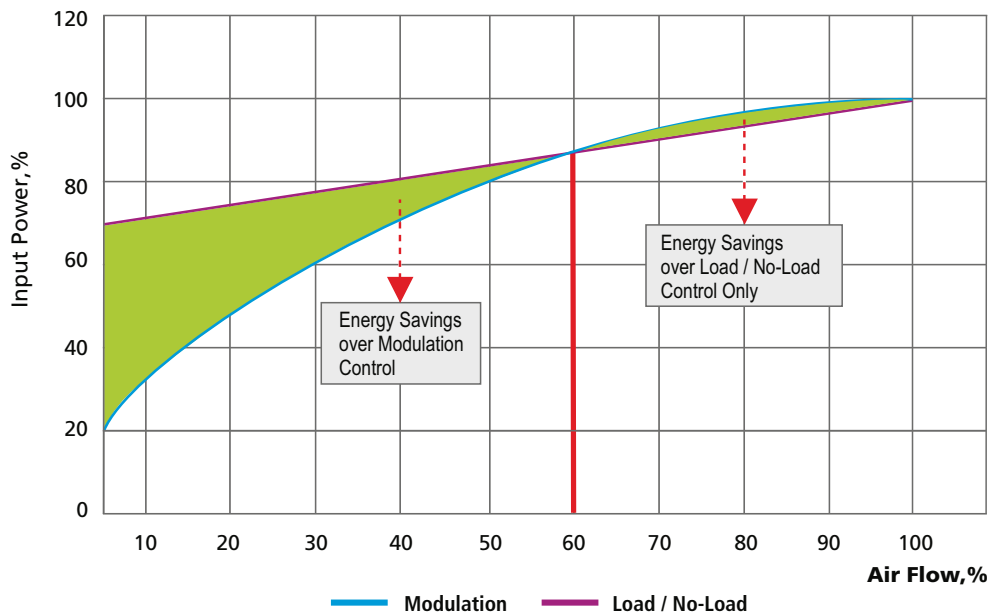


ENERGY EFFICIENCY AT BEST-IN-CLASS LEVELS

Here's where uptime meets efficiency: the same factors that produce greater uptime also maximize your energy efficiency. Slow running speeds, larger air ends, high efficiency motors, cooler running, cleaner air and low pressure losses are all hallmarks of the EG Series. They're also what make the EG Series stand out as a leader in energy efficiency.

ENERGY SAVINGS OVERLOAD/NO-LOAD CONTROL ONLY

ELGI DUAL CONTROL ADVANTAGE



ELGI's compressors (EG 55 and up) use a dual control system of Load-No-Load with upper end Modulation Control. This allows customers to maximize the available energy savings. Adjustable to best fit in the customer application, the Modulation control is used from 100% to about 50% load and the Load/No-Load control is used from 50% to 20% load. The result is minimized energy consumption and maximized savings in energy cost.



VFD DRIVES EVEN GREATER ENERGY SAVINGS

Studies show that over a 10-year ownership cycle, energy consumption accounts for 90% of your total compressed air cost. EG Series compressors with our exclusive Conserv technology can reduce your total energy costs by up to 35%.

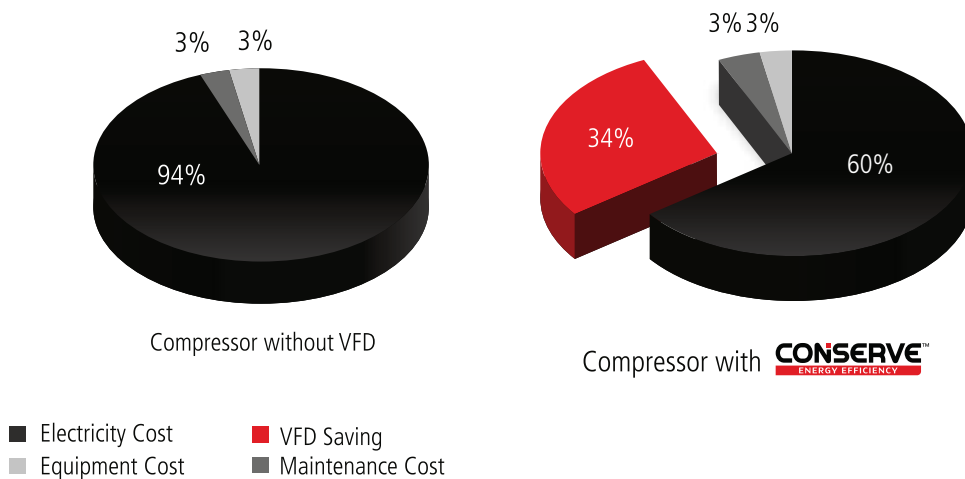
This dramatic savings will give you a fast return on your VFD investment

VFD matches compressor output with the demand by varying the motor speed. Thus, power consumption is in direct relation to air demand. This helps eliminate the frequent load/unload cycle that wastes energy.

Fixed speed compressors operate on a load/unload band of at least 10 psi around the working pressure, whereas the ELGi VFD operates within a band of 2 psi. By operating at lower pressures, VFD units save substantial energy. For every 2 psi reduction in operating pressure, there is a 1% energy savings.

VFD also improves your uptime. Fixed compressors with WYE-Delta starters use starting currents as high as three times the full load current (FLC). With ELGi VFD, starting current is less than the FLC. This helps avoid using heavy rated components such as fuses, MCCB, cable size, generator rating and isolators.

10 YEAR LIFE CYCLE COST



ADVANTAGES:

Electrical:
Low starting current
High Efficiency
Improved power factor
Reduced maximum demand

Mechanical:
Minimum maintenance
Soft start
Smooth control

WORLD-CLASS PRODUCTS. WORLD-WIDE REACH. LOCAL SERVICE.



The EG Series is just the latest breakthrough for ELGi. We're a 60+ year old company who has risen to become one of the world's largest manufacturers of air compressors. Our rapidly expanding global footprint now spans 120+ countries, 26 offices and 200+ distributors. Our global resources include:

- Leader in technology-embedded products: One of very few companies in the world to design and develop our own two-stage, oil-free screw compressors.
- Full line provider of portable, rotary screw, reciprocating, centrifugal, marine and railroad compressors
- Designs and manufactures the widest range of proprietary oil lubricated and oil free air ends in the world
- Employs more than 350 engineers worldwide focused on design, development and manufacturing
- Multiple manufacturing hubs with local product assembly worldwide
- 2 million ELGi installations power to businesses around the globe, including:
ABB, Coca-Cola, Cummins, Halliburton, Harley Davidson, Siemens, Pepsi, Disney, Revlon, Tyson, Rockwell medicals, Valspar, Duke energy and many other world-class companies.

INDUSTRIAL APPLICATIONS



Aerospace Industry



Automobile Industry

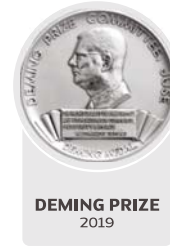


Food Industry

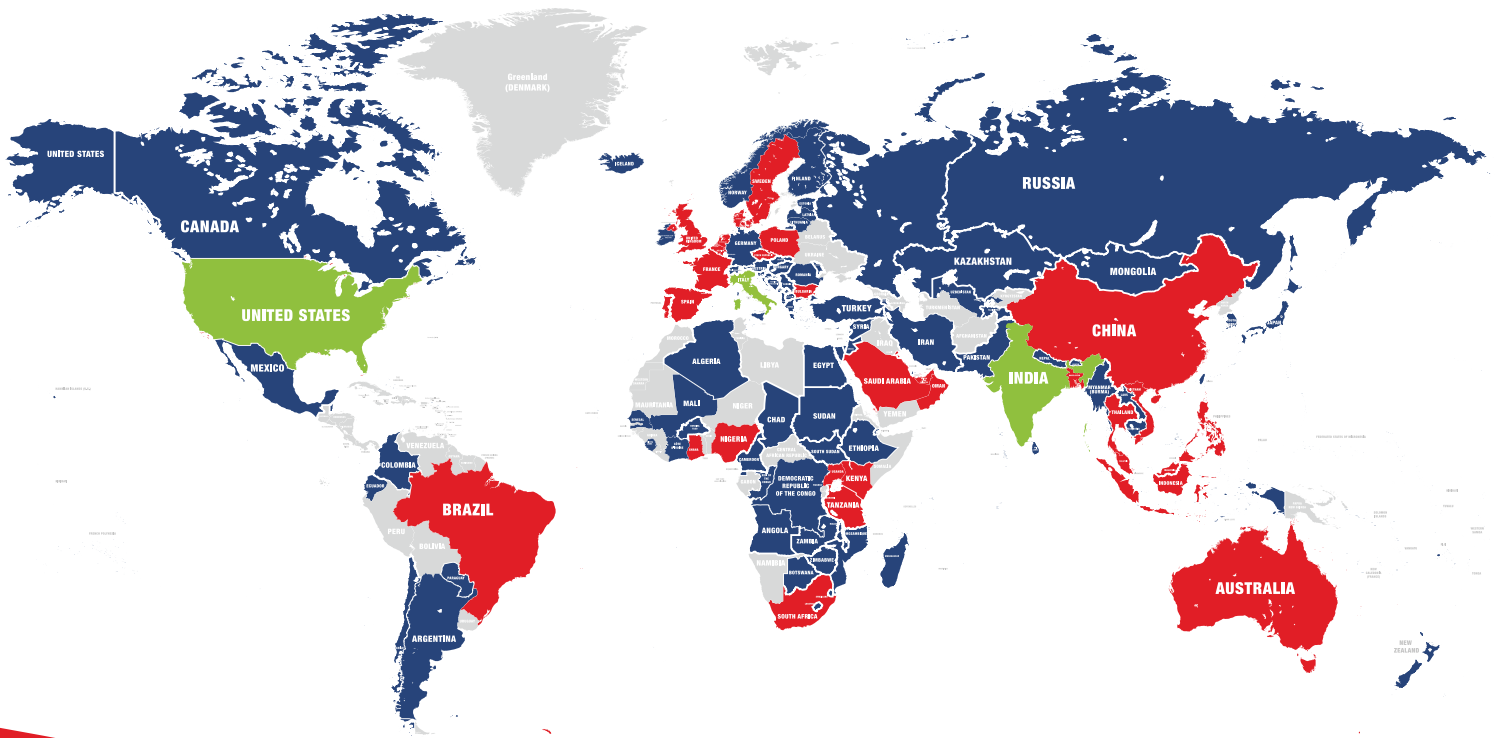
120+
Countries where
ELGi does business

29
Countries with
direct presence

03
Manufacturing
countries



ELGi is the first,
globally established
industrial air compressor
manufacturer to have
won the Deming Prize*
*In over six decades



Defense Industry



Sandblasting



Textiles Industry

Technical Specification 15 – 300 HP (11 – 250 kW)

Model	HP	kW	Capacity (cfm)	Working Pressure (psi)	Length (in)	Width (in)	Height (in)	Package Weight (lbs)	Sound Level (dbA)
EG11A-100	15	11	71	100	56	32	58	1213	69
EG11A-125	15	11	62	125	56	32	58	1213	69
EG11A-150	15	11	55	150	56	32	58	1213	69
EG11A-175	15	11	49	175	56	32	58	1213	69
EG15A-100	20	15	94	100	56	32	58	1257	69
EG15A-125	20	15	85	125	56	32	58	1257	69
EG15A-150	20	15	77	150	56	32	58	1257	69
EG15A-175	20	15	65	175	56	32	58	1257	69
EG18A-100	25	18	117	100	56	32	58	1411	69
EG18A-125	25	18	110	125	56	32	58	1411	69
EG18A-150	25	18	92	150	56	32	58	1411	69
EG18A-175	25	18	82	175	56	32	58	1411	69
EG22A-100	30	22	143	100	56	32	58	1433	69
EG22A-125	30	22	134	125	56	32	58	1433	69
EG22A-150	30	22	116	150	56	32	58	1433	69
EG22A-175	30	22	96	175	56	32	58	1433	69
EG30A-100	40	30	203	100	67	44	62	2401	69
EG30A-125	40	30	178	125	67	44	62	2401	69
EG30A-150	40	30	153	150	67	44	62	2401	69
EG30A-175	40	30	136	175	67	44	62	2401	69
EG37A-100*	50	37	248	100	67	44	62	2447	69
EG37A-115*	50	37	236	115	67	44	62	2447	69
EG37A-125*	50	37	212	125	67	44	62	2447	69
EG37A-150*	50	37	203	150	67	44	62	2447	69
EG37A-175*	50	37	172	175	67	44	62	2447	69
EG45A-100	60	45	302	100	67	44	62	2453	69
EG45A-115	60	45	282	115	67	44	62	2453	69
EG45A-125	60	45	267	125	67	44	62	2453	69
EG45A-150	60	45	230	150	67	44	62	2453	69
EG45A-175	60	45	208	175	67	44	62	2453	69
EG55A-100	75	55	375	100	77	50	69	3635	69
EG55A-115	75	55	355	115	77	50	69	3635	69
EG55A-125	75	55	343	125	77	50	69	3635	69
EG55A-150	75	55	288	150	77	50	69	3635	69
EG55A-175	75	55	271	175	77	50	69	3635	69
EG75-100	100	75	520	100	81	50	77	4453	69
EG75-115	100	75	500	115	81	50	77	4453	69
EG75-125	100	75	450	125	81	50	77	4453	69
EG75-150	100	75	415	150	81	50	77	4453	69
EG75-175	100	75	390	175	81	50	77	4453	69
EG90-100	125	90	604	100	111	65	84	6197	75
EG90-115	125	90	550	115	111	65	84	6197	75
EG90-125	125	90	536	125	111	65	84	6197	75
EG90-150	125	90	478	150	111	65	84	6197	75
EG110-100	150	110	720	100	111	65	83	6393	75
EG110-115	150	110	650	115	111	65	83	6393	75
EG110-125	150	110	630	125	111	65	83	6393	75
EG110-150	150	110	570	150	111	65	83	6393	75
EG160-100	200	160	975	100	111	65	84	7840	75
EG160-115	200	160	908	115	111	65	84	7840	75
EG160-125	200	160	850	125	111	65	84	7840	75
EG160-150	200	160	778	150	111	65	84	7840	75
EG200-100	250	200	1275	100	126	83	88	12586	78
EG200-115	250	200	1192	115	126	83	88	12586	78
EG200-125	250	200	1175	125	126	83	88	12586	78
EG200-150	250	200	1000	150	126	83	88	12586	78
EG250-100	300	250	1515	100	126	83	88	12632	78
EG250-115	300	250	1371	115	126	83	88	12632	78
EG250-125	300	250	1350	125	126	83	88	12632	78
EG250-150	300	250	1170	150	126	83	88	12632	78

ENERGY SAVING VFD COMPRESSORS

EG11 V	15	11	71	100-175	56	32	58	1323	69
EG15 V	20	15	94	100-175	56	32	58	1433	69
EG18 V	25	18	117	100-175	56	32	58	1477	69
EG22 V	30	22	143	100-175	56	32	58	1477	69
EG30 V	40	30	203	100-175	67	44	62	2501	69
EG37 V	50	37	248	100-175	67	44	62	2547	69
EG45 V	60	45	302	100-175	67	44	62	2553	69
EG55 V	75	55	375	100-175	77	50	70	4012	69
EG75 V	100	75	528	100-150	81	50	77	4607	69
EG90 V	125	90	604	100-150	111	65	84	5418	75
EG110 V	150	110	720	100-150	111	65	83	6636	75
EG160 V	200	160	975	100-150	111	65	84	8148	75
EG200 V	250	200	1275	100-150	126	83	88	12862	78
EG250 V	300	250	1515	100-150	126	83	88	12908	78

Note: Free Air Delivery(FAD) is tested as per ISO 1217 : 2009 Ed.4 Annex.C (Fixed speed),Annex.E (VFD) Sound level per ISO 2151, 2nd Edition at 1m distance in field conditions, ±3dB(A)
Due to continuous engineering improvements, the specifications are subject to change without prior notice.

*Refer to CAGI sheets for performance data on the EG37 200 Volt