

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

| Model       | Power |     | Capacity |       | Working Pressure    |       | Package Dimension (In) |        |       | Package Weight |      | Sound Level |
|-------------|-------|-----|----------|-------|---------------------|-------|------------------------|--------|-------|----------------|------|-------------|
|             | 60Hz  | HP  | kW       | cfm   | m <sup>3</sup> /min | psi g | bar g                  | Length | Width | Height         | lbs  |             |
| EG11 - 100  | 15    | 11  | 71       | 2.01  | 100                 | 7     | 56"                    | 32"    | 58"   | 1213           | 550  | 69          |
| EG11 - 125  | 15    | 11  | 62       | 1.76  | 125                 | 8.5   | 56"                    | 32"    | 58"   | 1213           | 550  | 69          |
| EG11 - 150  | 15    | 11  | 55       | 1.56  | 150                 | 10    | 56"                    | 32"    | 58"   | 1213           | 550  | 69          |
| EG11 - 175  | 15    | 11  | 49       | 1.39  | 175                 | 12.5  | 56"                    | 32"    | 58"   | 1213           | 550  | 69          |
| EG15 - 100  | 20    | 15  | 94       | 2.66  | 100                 | 7     | 56"                    | 32"    | 58"   | 1257           | 570  | 69          |
| EG15 - 125  | 20    | 15  | 85       | 2.41  | 125                 | 8.5   | 56"                    | 32"    | 58"   | 1257           | 570  | 69          |
| EG15 - 150  | 20    | 15  | 77       | 2.18  | 150                 | 10    | 56"                    | 32"    | 58"   | 1257           | 570  | 69          |
| EG15 - 175  | 20    | 15  | 65       | 1.84  | 175                 | 12.5  | 56"                    | 32"    | 58"   | 1257           | 570  | 69          |
| EG18 - 100  | 25    | 18  | 117      | 3.31  | 100                 | 7     | 56"                    | 32"    | 58"   | 1411           | 640  | 69          |
| EG18 - 125  | 25    | 18  | 110      | 3.11  | 125                 | 8.5   | 56"                    | 32"    | 58"   | 1411           | 640  | 69          |
| EG18 - 150  | 25    | 18  | 92       | 2.61  | 150                 | 10    | 56"                    | 32"    | 58"   | 1411           | 640  | 69          |
| EG18 - 175  | 25    | 18  | 82       | 2.32  | 175                 | 12.5  | 56"                    | 32"    | 58"   | 1411           | 640  | 69          |
| EG22 - 100  | 30    | 22  | 143      | 4.05  | 100                 | 7     | 56"                    | 32"    | 58"   | 1433           | 650  | 69          |
| EG22 - 125  | 30    | 22  | 134      | 3.79  | 125                 | 8.5   | 56"                    | 32"    | 58"   | 1433           | 650  | 69          |
| EG22 - 150  | 30    | 22  | 116      | 3.28  | 150                 | 10    | 56"                    | 32"    | 58"   | 1433           | 650  | 69          |
| EG22 - 175  | 30    | 22  | 96       | 2.72  | 175                 | 12.5  | 56"                    | 32"    | 58"   | 1433           | 650  | 69          |
| EG26 - 100  | 35    | 26  | 171      | 4.84  | 100                 | 7     | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG26 - 125  | 35    | 26  | 153      | 4.33  | 125                 | 8.5   | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG26 - 150  | 35    | 26  | 140      | 3.96  | 150                 | 10    | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG26 - 175  | 35    | 26  | 124      | 3.51  | 175                 | 12.5  | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG30 - 100  | 40    | 30  | 203      | 5.75  | 100                 | 7     | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG30 - 125  | 40    | 30  | 178      | 5.04  | 125                 | 8.5   | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG30 - 150  | 40    | 30  | 153      | 4.33  | 150                 | 10    | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG30 - 175  | 40    | 30  | 136      | 3.85  | 175                 | 12.5  | 67"                    | 44"    | 62"   | 2401           | 1089 | 69          |
| EG37 - 100  | 50    | 37  | 248      | 7.02  | 100                 | 7     | 67"                    | 44"    | 62"   | 2447           | 1110 | 69          |
| EG37 - 125  | 50    | 37  | 212      | 6.00  | 125                 | 8.5   | 67"                    | 44"    | 62"   | 2447           | 1110 | 69          |
| EG37 - 150  | 50    | 37  | 203      | 5.75  | 150                 | 10    | 67"                    | 44"    | 62"   | 2447           | 1110 | 69          |
| EG37 - 175  | 50    | 37  | 172      | 4.87  | 175                 | 12.5  | 67"                    | 44"    | 62"   | 2447           | 1110 | 69          |
| EG45 - 100  | 60    | 45  | 302      | 8.55  | 100                 | 7     | 67"                    | 44"    | 62"   | 2453           | 1113 | 69          |
| EG45 - 125  | 60    | 45  | 267      | 7.56  | 125                 | 8.5   | 67"                    | 44"    | 62"   | 2453           | 1113 | 69          |
| EG45 - 150  | 60    | 45  | 230      | 6.51  | 150                 | 10    | 67"                    | 44"    | 62"   | 2453           | 1113 | 69          |
| EG45 - 175  | 60    | 45  | 208      | 5.89  | 175                 | 12.5  | 67"                    | 44"    | 62"   | 2453           | 1113 | 69          |
| EG55 - 100  | 75    | 55  | 375      | 10.62 | 100                 | 7     | 77"                    | 50"    | 70"   | 3858           | 1750 | 69          |
| EG55 - 125  | 75    | 55  | 347      | 9.83  | 125                 | 8.5   | 77"                    | 50"    | 70"   | 3858           | 1750 | 69          |
| EG55 - 150  | 75    | 55  | 285      | 8.07  | 150                 | 10    | 77"                    | 50"    | 70"   | 3858           | 1750 | 69          |
| EG55 - 175  | 75    | 55  | 268      | 7.59  | 175                 | 12.5  | 77"                    | 50"    | 70"   | 3858           | 1750 | 69          |
| EG75 - 100  | 100   | 75  | 528      | 14.95 | 100                 | 7     | 81"                    | 50"    | 77"   | 4453           | 2020 | 69          |
| EG75 - 125  | 100   | 75  | 453      | 12.83 | 125                 | 8.5   | 81"                    | 50"    | 77"   | 4453           | 2020 | 69          |
| EG75 - 150  | 100   | 75  | 415      | 11.75 | 150                 | 10    | 81"                    | 50"    | 77"   | 4453           | 2020 | 69          |
| EG75 - 175  | 100   | 75  | 390      | 11.04 | 175                 | 12.5  | 81"                    | 50"    | 77"   | 4453           | 2020 | 69          |
| EG90 - 100  | 125   | 90  | 604      | 17.10 | 100                 | 7     | 111"                   | 65"    | 84"   | 6197           | 2811 | 75          |
| EG90 - 125  | 125   | 90  | 536      | 15.18 | 125                 | 8.5   | 111"                   | 65"    | 84"   | 6197           | 2811 | 75          |
| EG90 - 150  | 125   | 90  | 478      | 13.54 | 150                 | 10    | 111"                   | 65"    | 84"   | 6197           | 2811 | 75          |
| EG110 - 100 | 150   | 110 | 720      | 20.39 | 100                 | 7     | 111"                   | 65"    | 83"   | 6393           | 2900 | 75          |
| EG110 - 125 | 150   | 110 | 630      | 17.84 | 125                 | 8.5   | 111"                   | 65"    | 83"   | 6393           | 2900 | 75          |
| EG110 - 150 | 150   | 110 | 570      | 16.14 | 150                 | 10    | 111"                   | 65"    | 83"   | 6393           | 2900 | 75          |
| EG160 - 100 | 200   | 160 | 975      | 27.61 | 100                 | 7     | 111"                   | 65"    | 84"   | 7840           | 3556 | 75          |
| EG160 - 125 | 200   | 160 | 850      | 24.07 | 125                 | 8.5   | 111"                   | 65"    | 84"   | 7840           | 3556 | 75          |
| EG160 - 150 | 200   | 160 | 778      | 22.03 | 150                 | 10    | 111"                   | 65"    | 84"   | 7840           | 3556 | 75          |
| EG200 - 100 | 250   | 185 | 1275     | 36.10 | 100                 | 7     | 126"                   | 83"    | 88"   | 12586          | 5709 | 78          |
| EG200 - 125 | 250   | 185 | 1175     | 33.27 | 125                 | 8.5   | 126"                   | 83"    | 88"   | 12586          | 5709 | 78          |
| EG200 - 150 | 250   | 185 | 1000     | 28.32 | 150                 | 10    | 126"                   | 83"    | 88"   | 12586          | 5709 | 78          |
| EG250 - 100 | 300   | 220 | 1515     | 42.90 | 100                 | 7     | 126"                   | 83"    | 88"   | 12632          | 5730 | 78          |
| EG250 - 125 | 300   | 220 | 1350     | 38.23 | 125                 | 8.5   | 126"                   | 83"    | 88"   | 12632          | 5730 | 78          |
| EG250 - 150 | 300   | 220 | 1170     | 33.13 | 150                 | 10    | 126"                   | 83"    | 88"   | 12632          | 5730 | 78          |

| ENERGY SAVING VFD COMPRESSORS |     |     |      |       |           |          |      |     |     |       |      |    |
|-------------------------------|-----|-----|------|-------|-----------|----------|------|-----|-----|-------|------|----|
| EG11 V                        | 15  | 11  | 71   | 2.01  | 100 - 175 | 7 - 12.5 | 56"  | 32" | 58" | 1323  | 600  | 69 |
| EG15 V                        | 20  | 15  | 94   | 2.66  | 100 - 175 | 7 - 12.5 | 56"  | 32" | 58" | 1433  | 650  | 69 |
| EG18 V                        | 25  | 18  | 117  | 3.31  | 100 - 175 | 7 - 12.5 | 56"  | 32" | 58" | 1477  | 670  | 69 |
| EG22 V                        | 30  | 22  | 143  | 4.05  | 100 - 175 | 7 - 12.5 | 56"  | 32" | 58" | 1477  | 670  | 69 |
| EG26 V                        | 35  | 26  | 171  | 4.84  | 100 - 175 | 7 - 12.5 | 67"  | 44" | 62" | 2501  | 1134 | 69 |
| EG30 V                        | 40  | 30  | 203  | 5.75  | 100 - 175 | 7 - 12.5 | 67"  | 44" | 62" | 2501  | 1134 | 69 |
| EG37 V                        | 50  | 37  | 248  | 7.02  | 100 - 175 | 7 - 12.5 | 67"  | 44" | 62" | 2547  | 1155 | 69 |
| EG45 V                        | 60  | 45  | 302  | 8.55  | 100 - 175 | 7 - 12.5 | 67"  | 44" | 62" | 2553  | 1158 | 69 |
| EG55 V                        | 75  | 55  | 375  | 10.62 | 100 - 175 | 7 - 12.5 | 77"  | 50" | 70" | 4012  | 1820 | 69 |
| EG75 V                        | 100 | 75  | 528  | 14.95 | 100 - 175 | 7 - 12.5 | 81"  | 50" | 77" | 4607  | 2090 | 69 |
| EG90 V                        | 120 | 90  | 604  | 17.10 | 100 - 150 | 7 - 10.0 | 111" | 65" | 84" | 6418  | 2911 | 75 |
| EG110 V                       | 150 | 110 | 720  | 20.40 | 100 - 150 | 7 - 10.0 | 111" | 65" | 83" | 6636  | 3010 | 75 |
| EG160 V                       | 200 | 160 | 975  | 27.60 | 100 - 150 | 7 - 10.0 | 111" | 65" | 84" | 8148  | 3696 | 75 |
| EG200 V                       | 250 | 185 | 1275 | 36.10 | 100 - 150 | 7 - 10.0 | 126" | 83" | 88" | 12862 | 5834 | 78 |
| EG250 V                       | 300 | 220 | 1515 | 42.90 | 100 - 150 | 7 - 10.0 | 126" | 83" | 88" | 12908 | 5855 | 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, 2<sup>nd</sup> Edition at 1m distance in field conditions, ±3dB(A) Due to continuous engineering improvements, the specifications are subject to change without prior notice.

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# EG Series Screw Air Compressors

Life source of industries

**ELGi**  
Always Better.

**UPTIME™**  
ASSURANCE



www.elgi.com

15 - 300 HP / 11 - 250 kW

OICAT0021/RO2

## 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.



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



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



**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.

### **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 FORM.

### COOL RUNNING

EG Series compressors are the coolest running compressors on the market, at 45° C (115° F). And it's all by design.

ELGi's signature Thermo-Zone layout means that hot areas are separated from cool areas. This way, the more sensitive components are always running cooler. The machine is designed into four 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 integrated dryer (where available) is placed in another separate cool zone.

**ZONE 3** The oil module is located close to the air end, which confines the heat generating operations to one designated area. This also results in lower pressure loss.

**ZONE 4** When it comes to cooling a compressor, size matters. That's why a cooler designed to run even in the most extreme ambient conditions, with a larger cooling surface area, helps maintain air temperatures at industry-leading levels. Also in available in water cooled model for selected versions.

ZONE 4

ZONE 1

ZONE 2

ZONE 3



### 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.

### Air up, even from a distance

Remote monitoring via SCADA (Supervisory Control and Data Acquisition) allows you to control and monitor the performance of your compressor from your PC, anywhere in the world.

### 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.

## 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 eta-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 II controller diagnoses all systems and serves as your watchdog for the EG Series. Neuron II monitors all systems and provides early warning for trouble areas and routine maintenance. It also regulates start delays between the compressor and dryer to optimize the air quality while reducing energy costs.

### 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

**Lifetime warranty\*** Every ELGi™ compressor is backed by our industry-first, lifetime air end warranty.

**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 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 hotline is staffed by industry professionals who know our products, and your business.

\*Subject to conditions.

# UPTIME™

ASSURANCE



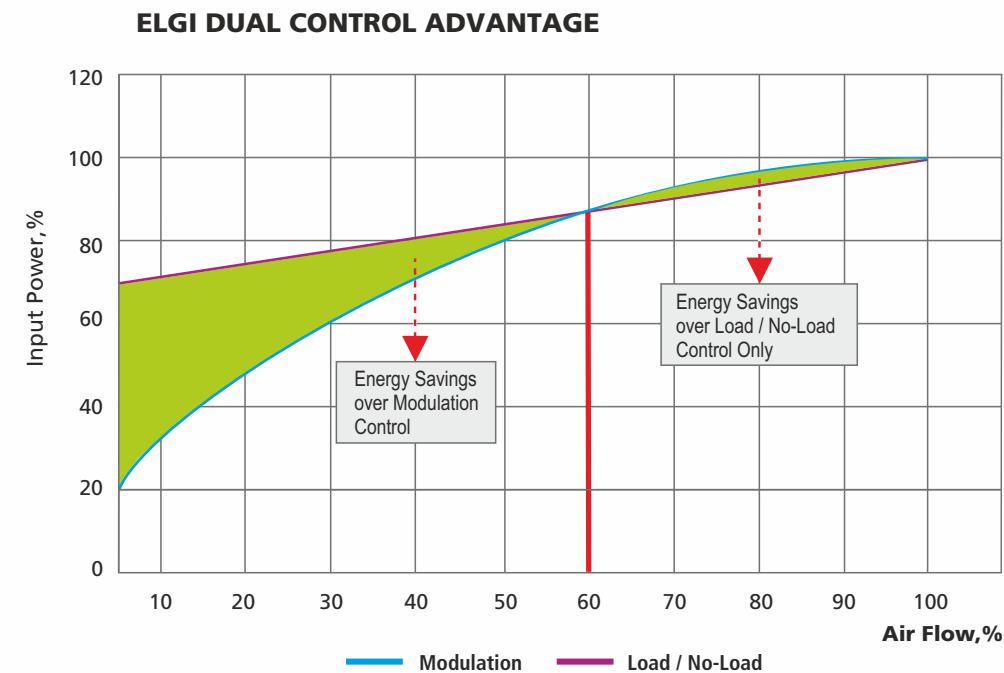
All images shown are for illustration purposes only. Actual product may vary, due to product enhancement.

## 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'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

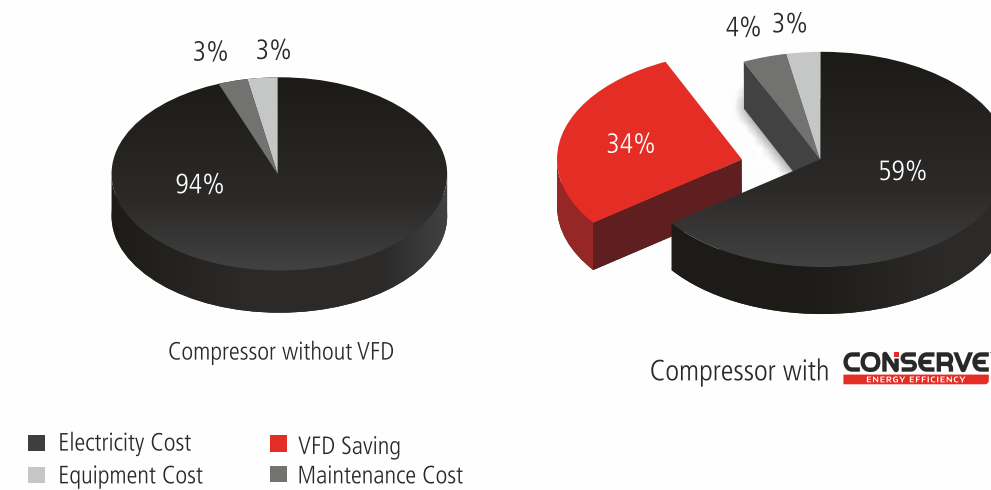
Studies show that over a 10-year ownership cycle, energy consumption accounts for 90% of your total compressed air cost. EG Series compressors with our exclusive Conserv™ technology can reduce your total energy costs by up to 35%. This dramatic savings will give you a fast return on your VFD investment

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 50+ 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 70 countries, 18 offices and 100's of distributors. Our global resources include:

- Leader in technology-embedded products: one of only seven 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 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™ compressors produced 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.



### WORLD-WIDE REACH

ELGi™ serves the world marketplace. Over two million compressors are powering business in 70 countries worldwide. The company offers a strong sales and service network, integrated with a distribution network of 100's of dealers worldwide. ELGi™ has its own manufacturing facilities in India, Italy and USA. Additionally, ELGi™ has warehouse operations to stock units and parts in Australia, Brazil, Indonesia and Middle east

### INDUSTRIAL APPLICATIONS



Aerospace Industry



Automobile Industry



Food Industry



Defense Industry



Sandblasting



Textiles Industry