



# EG Series Screw Air Compressors

Life source of industries

**ELGi**  
Always Better.

**UPTIME**<sup>TM</sup>  
ASSURANCE



[www.elgi.com](http://www.elgi.com)

15 - 300 HP / 11 - 250 kW

# SEEING IS BELIEVING.



**At ELGi,<sup>™</sup> we're changing the way you look at compressed air systems.**

**It's no longer just about delivering air. It's about delivering UPTIME.<sup>™</sup>**

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<sup>™</sup> 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<sup>™</sup> comes standard on every EG Series compressor.**

### UPTIME<sup>™</sup> 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 FUNCTION.



## 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.



### 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

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## **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**

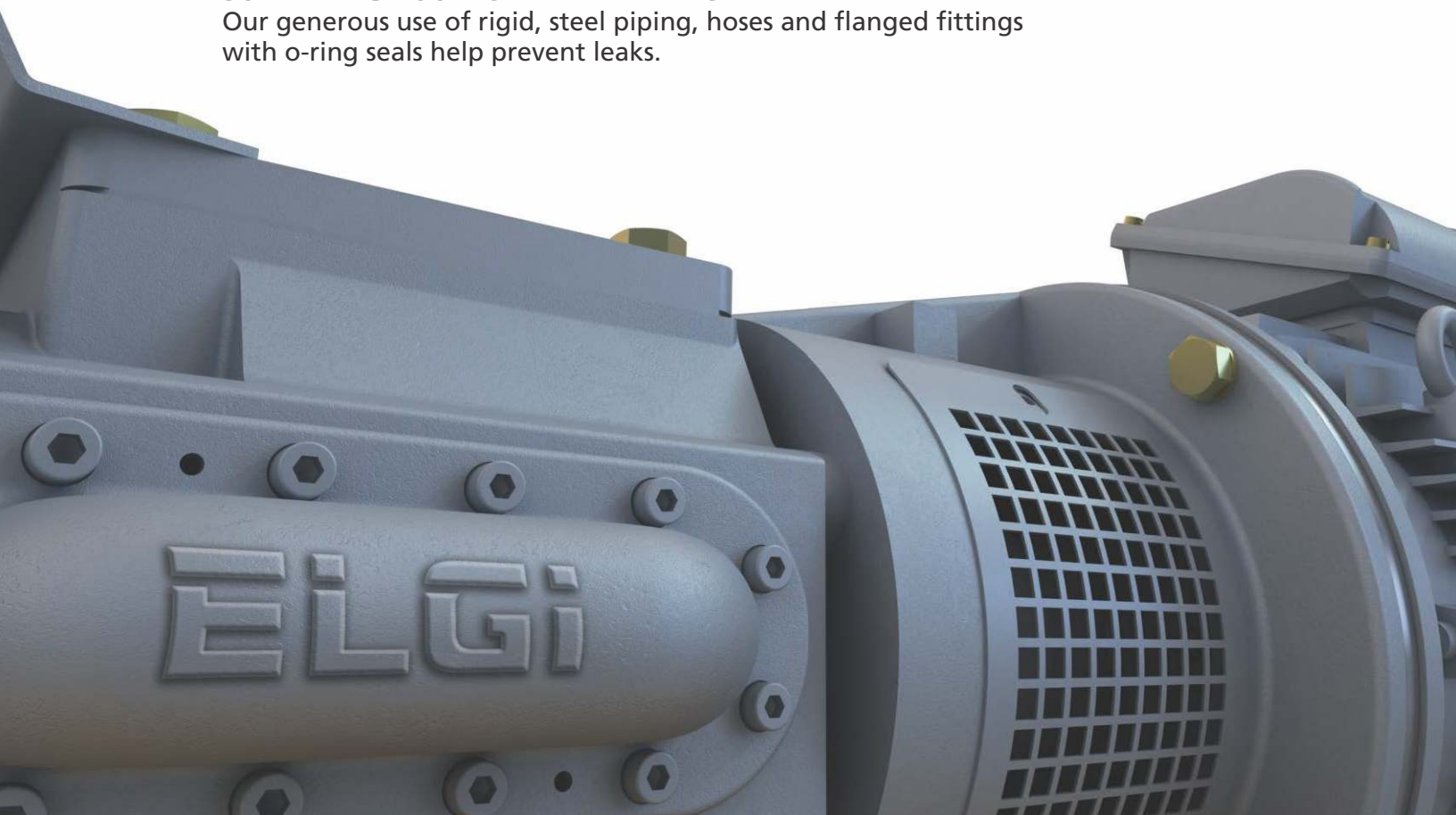
Using a unique, high-efficiency OSBIC process (Oil Separation By Impact and Centrifugal Action). This involves three stages of separation, which ensures longer separator element life and greater air quality. All of which saves you money.

## **THE SMART COMPRESSOR**

ELGi's exclusive Neuron 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**

**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 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.

\*Subject to conditions.

**UPTIME™**  
**ASSURANCE**



# WATCH YOUR ENERGY SAVINGS ADD UP

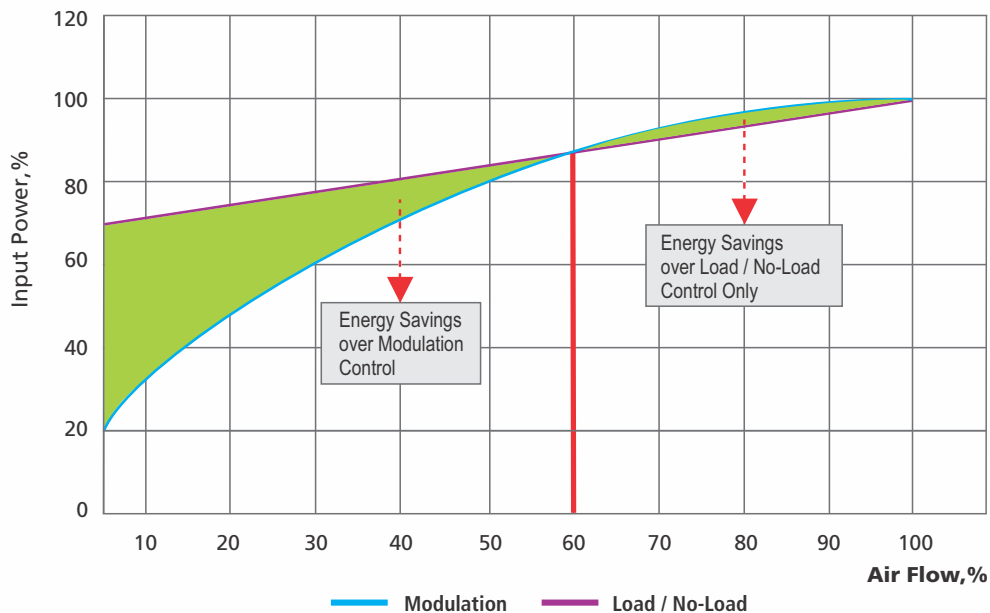


## ENERGY EFFICIENCY AT BEST-IN-CLASS LEVELS

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%.

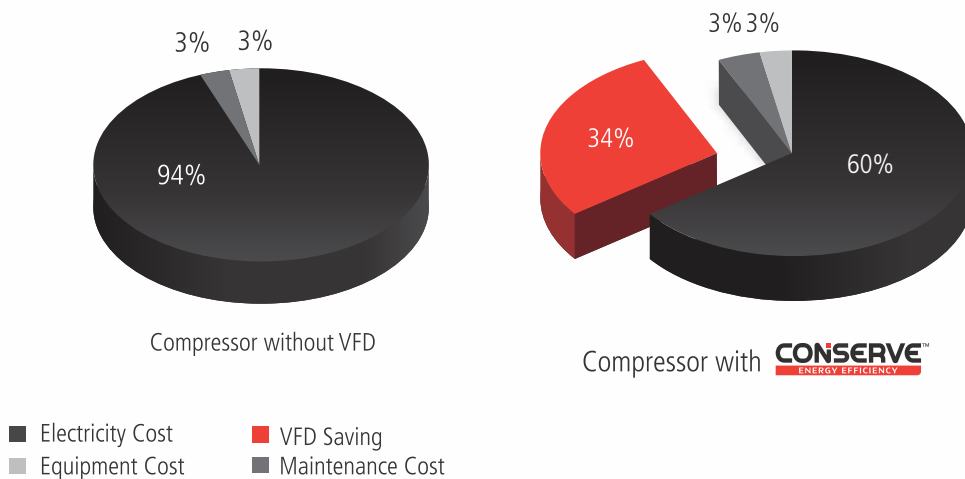
This dramatic savings will give you a fast return on your VFD investment

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 REA



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, 28 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 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

# CH. LOCAL SERVICE.

**120+**

Countries where  
ELGi does business

**28**

Countries with  
direct presence

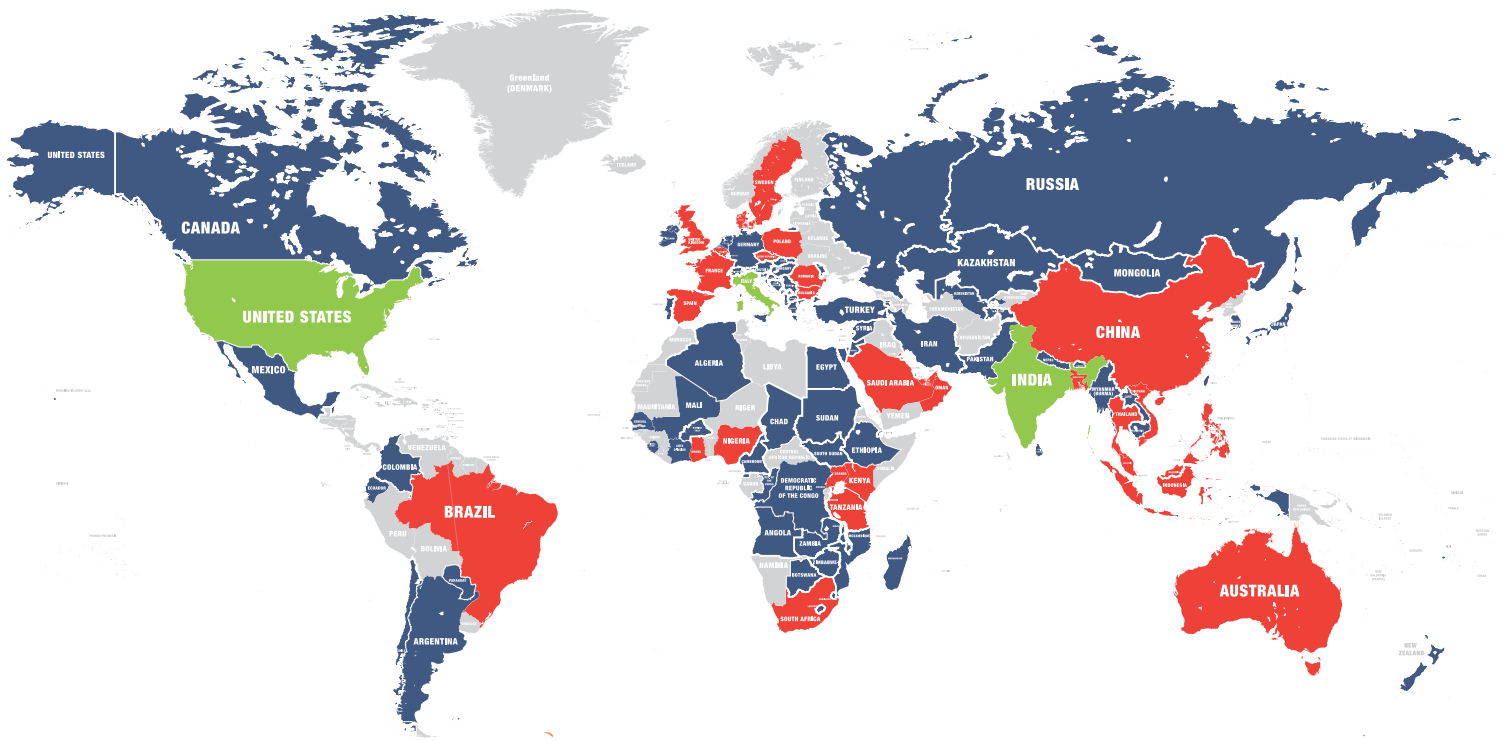
**03**

Manufacturing  
countries



DEMING PRIZE  
2019

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	Power		Capacity		Working Pressure		Package Dimension (In)			Package Weight		Sound Level
	HP	kW	cfm	m <sup>3</sup> /min	psi g	bar g	Length	Width	Height	lbs	Kg	dB(A)
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.