

EG SERIES

Oil-Injected Rotary Screw
Air Compressors

The Technological Edge
To Power Your Business

11 – 250 kW / 15 – 300 HP (60 Hz)

ELGI[®]
Always Better.

Distributed by



EG SERIES

**Superior Energy Efficiency | Low Total Cost Of Ownership
Industry Leading Warranty | Best-In-Class Reliability**

Power consumption on your mind?

Around the world, changes are being made in the way businesses are powered, and in general, the way compressed air is used as a power in everyday life. These changes have implications for companies, governments, and individuals in the future.

Automotive, Chemical, Food and Beverage, Fast Moving Consumer Goods, Cement, Packaging, Pharmaceuticals, Textile, Ceramics industries and workshops rely heavily on compressed air. These industries fuel the world's economy.

Applications



Automotive



Food and Beverage



Cement



Packaging



Mining



Agriculture



Textile



Ceramic



Manufacturing

EG SERIES

THE ECO-FRIENDLY ENERGY-EFFICIENT COMPRESSOR



Elgi Equipments Limited was established in 1960 as an air compressor and garage equipment manufacturing company. Over the years, the company has exponentially grown its product portfolio and aligned its offering to changing market requirements.

Today, Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems. ELGi does business in 120+ countries and is proud of its 2 million+ satisfied customers.

* All images are for representative purpose only. Actual product may vary.

Features and Benefits



Highly Efficient Airends Superior Energy Savings

ELGi's unique airends are equipped with in-house developed η -V profile rotors, with 4/5 lobe combination.

- Low speed
- Highly energy efficient
- 75-160 SP machines use 2 stage airends for best in class efficiency
- Lifetime warranty*



Advanced Package Design Functional and Aesthetic

The package is configured with subsystems that are designed to:

- Minimize system losses which maximize energy savings
- Ease of service
- Low noise levels



Motors Reliable and Efficient

The motors with a larger core and increased windings offer:

- TEFC severe duty for industrial applications
- Direct coupling with air end increases energy efficiency
- High ambient rating



Intake Valve System Reduced Starting Load

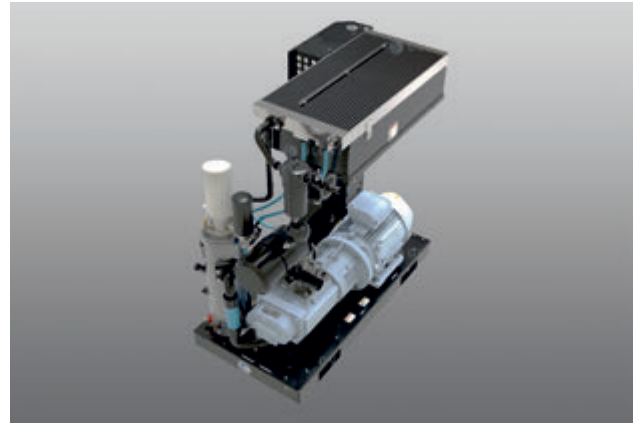
Integrated Blow-down Unit, Solenoid Control, and Actuator.

- Reduces starting load on motor
- Optimal capacity control
- Modulation (55 kW and above) provides smoother and more reliable operation when receiver capacity is limited



Low Oil Carry Over (< 1ppm)
Superior Quality of Air

- Three Stage Oil Removal
- Minimal pressure drop
- Increases life of air – oil separator filter
- Reduces environmental impact



Efficient Cooling System
Extended Life and Cool Air

- Oversized and bolted cooler design eliminates thermal stresses and extends compressor life
- Lowers power consumption
 - Keeps discharged compressed air temperature low easing the load on downstream equipment



Reliability Under Extreme Conditions
Robust and Reliable

- Designed to perform at extreme temperatures
- From cold to hot and from dry to extremely humid conditions with design temperatures up to 115o F
 - Optional outdoor modification and low ambient designs available



Custom-Designed Moisture Separator
Longer Life of End-Use Equipment

- Hinged panel design gives easy access
- Stainless control lines and O-ring flanged faces eliminates leaks
 - Filtered cabinet extends component life



Safety and Protection

EG Series compressors are designed to ensure the highest level of safety.

High-pressure trip | High-temperature trip | Pressure relief valve | Low voltage trip | Single phase preventer | Reverse rotation prevention.



Best-In-Class Warranty

Superior warranty of upto 10 years on the airend* and package warranty of 5 years* irrespective of operating hours.

*In select regions; contact your local ELGi representative for further details; T&C Apply.

EG Series

The Technological Edge to Power Your Business



- **Two-Stage Air Filtration**
Increased Life of Consumables
- **Ease Of Maintenance**
Ease of Access to Components with Removable Panels
- **Neuron 4 Controller**
Advanced, Intelligent Controller for Safety and Reliability
- **Energy-Efficient**
Eco-Friendly Compressors
- **Robust Cooling System**
Reduced Air outlet and Oil Temperature
- **Silent and Aesthetic**
Enclosure Designed to Industrial Standards
- **Excellent Oil Separation OSBIC**
1 PPM Oil Carry Over
- **Optional Built-in VFD**
Compact and Saves Floor Area
- **Safety Compliant Package**
CE Certified
- **Highly Efficient Motor***
Energy Savings with IE4
Efficiency beyond regulation IE5+

*In select Models

Neuron 4 Advanced Controller



Reports

Neuron 4 is everything that you will need for a superior and reliable compressor operation. The industrial - grade, 7" touchscreen user interface offers a seamless experience in setting the compressor operational parameters. The Neuron 4 with advanced processor and hardware enables:

- Sequencing of up to 8 compressors. (Balancing of operating hours and narrow band cascading) . Also the master has to be active always
- Pressure schedulers to optimize compressor performance
- An array of communication options and protocols with RS485, TCP/IP, MODBUS .
- Multi lingual with support up to 32 languages
- Mimic display
- Reverse rotation prevention



Save Energy with Heat Recovery System

ELGi's Heat Recovery System is an accessory that can be added to the EG Series compressor.

The Heat Recovery System can recover up to 76% of the waste heat generated during the compression process which can then in turn be used to heat water.



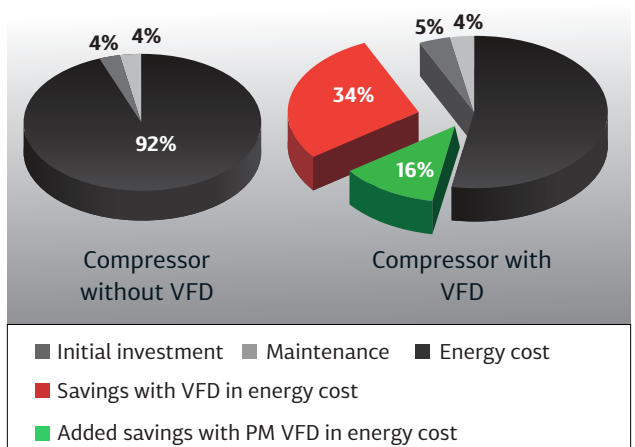
Save Energy with optional VFD

The In-built ELGi Variable Frequency Drives (VFD) matches the compressor output with the demand by varying motor speed which reduces the power consumption and subsequently results in savings.

The VFD helps in eliminating frequent load-unload cycles. In a fixed speed compressor with a Star-Delta starter, the starting current is as high as three times the full load current (FLC). With ELGi VFD, the starting current is less than the FLC.

Advantages:

- Energy savings
- Improved power factor
- Low starting current and hence reduced maximum demand
- Reduced maintenance
- High efficiency combined efficiency drive system



Technical Specifications - Fixed Speed

Model	Motor Power		Working Pressure	Free Air Delivery	Weight	Noise	Dimensions L x B x H
	60Hz	kW					
EG 11	11	15	100	71	1213	69	56x32x58
			125	62			
			150	55			
			175	49			
EG 15	15	20	100	94	1257	69	56x32x58
			125	85			
			150	77			
			175	65			
EG 18	18	25	100	117	1411	69	56x32x58
			125	110			
			150	92			
			175	82			
EG 22	22	30	100	143	1433	69	56x32x58
			125	134			
			150	116			
			175	96			
EG 30	30	40	100	203	2401	69	67x44x62
			115	183			
			125	178			
			150	153			
EG 37	37	50	100	248	2447	69	67x44x62
			115	236			
			125	212			
			150	203			
EG 45	45	60	100	302	2453	69	67x44x62
			115	282			
			125	267			
			150	230			
EG 55	55	75	100	375	3503	69	77.1x49.7x69
			115	355			
			125	343			
			150	288			
EG 75	75	100	100	525	4674	69	81.3x53.4x77.6
			115	485			
			125	458			
			150	425			
EG 90	90	125	100	604	6197	75	111x65x84
			115	550			
			125	536			
			150	478			
EG 110	110	150	100	720	6393	75	111x65x84
			115	650			
			125	630			
			150	570			
EG 160	160	200	100	975	7840	75	111x65x84
			115	908			
			125	850			
			150	778			
EG 200	200	250	100	1275	12586	78	126x83x88
			115	1192			
			125	1175			
			150	1000			

Technical Specifications - Fixed Speed

Model	Motor Power		Working Pressure	Free Air Delivery	Weight	Noise	Dimensions L x B x H
	60Hz	kw					
EG 250	250	300	100	1515	12632	78	126x83x88
			115	1371			
			125	1350			
			150	1170			

Technical Specifications - Variable Speed

Model	Motor Power		Working Pressure	Free Air Delivery	Weight	Noise	Dimensions L x B x H
	60Hz	kw					
EG 11	11	15	100	17-77	1283	69	53 x 28 x 54
			115	17-75			
			125	17-72			
			150	17-56			
			175	17-50			
EG15	15	20	100	17-93	1283	69	53 x 28 x 54
			115	17-88			
			125	17-85			
			150	17-77			
			175	17-65			
EG18	18	25	100	30-133	1477	69	59 x 32 x 54
			115	30-124			
			125	30-120			
			150	30-103	2401	69	67 x 44 x 62
			175	30-90			
EG22	22	30	100	30-148	1477	69	59 x 32 x 54
			115	30-144			
			125	30-140			
			150	30-123	2401	69	67 x 44 x 62
			175	30-104			
EG30	30	40	100	30-195	2401	69	67 x 44 x 62
			115	30-180			
			125	30-170			
			150	30-164			
			175	30-134			
EG37	37	50	100	60-282	2501	69	67 x 44 x 62
			115	60-278			
			125	60-260			
			150	60-219			
			175	60-188			
EG45	45	60	100	60-309	2501	69	67 x 44 x 62
			115	60-287			
			125	60-270			
			150	60-252			
			175	60-215			
EG 55	55	75	100	77-375	3503	69	77.1X49.7X69
			115	77-375			
			125	76-343			
			150	79-288			
			175	133-271			
EG 75	75	100	100	87-525	4829	69	81.3x53.4x77.6
			115	86-485			
			125	86-458			
			150	95-425			
			175	149-390			

Model	Motor Power		Working Pressure	Free Air Delivery	Weight	Noise	Dimensions L x B x H
	60Hz	kW					
EG 90	90	100	100	235-604	6197	75	111x65x84
			115	236-546			
			125	231-536			
			150	224-478			
EG 110	110	150	100	227-720	6393	75	111x65x84
			115	280-650			
			125	274-630			
			150	262-570			
EG 160	160	200	100	385-975	7840	75	111x65x84
			115	381-887			
			125	383-850			
			150	377-778			
EG 200	200	250	100	501-1275	12586	78	126x83x88
			115	493-1192			
			125	506-1175			
			150	485-1000			
EG 250	250	300	100	614-1515	12632	78	126x83x88
			115	564-1371			
			125	569-1350			
			150	560-1170			

Service

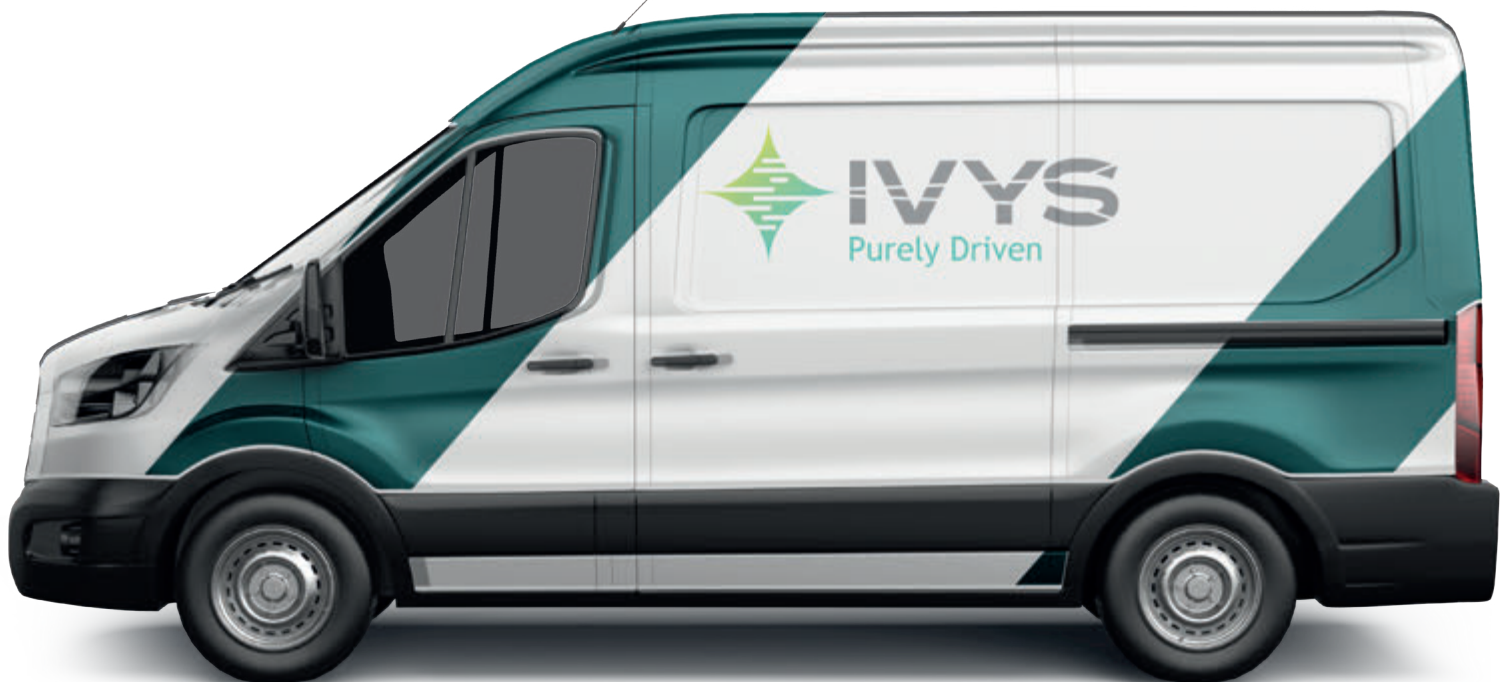
WE SUPPORT YOU FOR ALL YOUR EQUIPMENT NEEDS!

Ivys is committed to providing you with top-quality services and a complete range of replacement parts, and spares for your compressed air and gas equipment of all makes and models.

- ◆ Fully certified technicians on call
- ◆ Onsite commissioning
- ◆ Preventative maintenance
- ◆ Servicing and upgrading
- ◆ Replacements and spares for all makes and models

AFTERMARKET SERVICES

- ◆ Custom Service/Maintenance Contracts
- ◆ Desiccants
- ◆ Parts — Filters, Separators, Elements, Drains, Hygrometers, Probes
- ◆ Training — Workshops, Webinars, Certification



Contact our support team at 1-877-469-3232 or visit our website at [ivysads.com](https://www.ivysads.com)



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