



## Rig Compressors

The most trusted brand in water-well drilling industry

# ELGI

Always Better.

**UPTIME**<sup>™</sup>  
ASSURANCE



CIN: L29120TZ1960PLC000351

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

500 - 1500 cfm / 175 - 400 psi



## A Tradition of Reliability

ELGi, established in 1960, designs and manufactures a wide range of air compressors. The company has gained its reputation for design and manufacture of screw compressors through strategic partnerships and continuous research and development. Over the years, it has emerged as a multi-product, multi-market enterprise providing total compressed air solutions in all segments. ELGi's design capabilities translated into a wide range of products ranging from oil-lubricated and oil-free rotary screw compressors, reciprocating compressors and centrifugal compressors. ELGi has its own manufacturing operations in India, Italy and USA with subsidiaries in Australia, Brazil, UAE and Indonesia. The company is fast expanding its global footprint attracting distributors and customers with its latest generation products.



## Robust Infrastructure

ELGi has modern manufacturing facilities equipped with advanced high precision grinding machines, turning centres and CNC horizontal and vertical machining centres. Screw airends are manufactured with the latest rotor grinding technology, coupled with measurement technology to maintain precise manufacturing tolerances. ELGi's manufacturing plants are both ISO and EOHS certified. The products are manufactured under controlled environment to ensure that its quality continues to meet the highest standards.



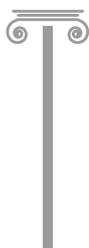
## Innovative Technology

Screw Compressor elements are manufactured in-house using state-of-the-art machining centres for rotor grinding and machining castings of various sizes. ELGi's own eta-V profile rotors ensure energy-efficient compressed air supply for all demanding applications. ELGi is one of the few companies capable of manufacturing wide range of airends and compressor packages in the world. ELGi's patent portfolio is a testament to the company's continuous research and innovation capability



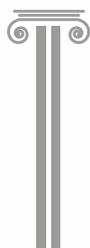
# AIR UP.

**UPTIME™** comes standard on every PG Series Compressor



### UPTIME Design

This speaks to the engineering and design of our products. Our R&D is dedicated to designing machines that run cooler, cleaner and longer... that are easy to service... with longer service intervals.



### UPTIME Components

For so many of our customers, seeing is believing. They know a quality-built machine when they see it. That's why every part on a ELGi compressor is a quality part. From our proprietary air ends, to our use of leak-free hoses and piping.



### UPTIME Assurance

Here is where we back our pledge, Our industry leading warranties, parts availability and call centers staffed by experts assure peace-of-mind to our customers.

# 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 Global Series, every aspect of our business is built on keeping yours running: smoothly, efficiently and profitably.

ELGi's Global series diesel powered portable compressors are equipped with our own industry leading energy efficient eta-V profile airends, the most robust in the entire industry. With over two decades of expertise in water-well drilling, ELGi compressors are developed to meet customer's expectations of deeper, faster and cost effective drilling. It's time tested technology and high reliability of the compressors are added benefits. The company's huge market presence and the most widespread sales and service network makes ELGi an ideal partner for the drilling industry.



## Wide Spectrum



### 4<sup>3</sup>/<sub>4</sub>" bores - DTH Drilling

Range: 500-600 cfm, 175-230 psig

Models: PG 500S-175, PG 550S-200, PG 600S-200S  
PG 600S-200, PG 600S-230

### 6<sup>1</sup>/<sub>2</sub>" and above bores - DTH Drilling

Range: 900-1500 cfm, 200-400 psig

Models: PG 900S-200, PG 900S-350, PG 1000S-275, PG 1100S-300  
PG 1200S-330, PG 1200S-Combo 350 and PG 1500S-Combo 400

## Designed to withstand years of heavy duty use

### Energy efficient

#### Two-stage eta-V profile airend

Driven by energy-efficient airends, the compressor offers increased drilling efficiency and improved penetration rates. It is ideally designed to meet the demands of water-well drilling.



### Reliable prime mover

#### International warranty engines

ELGi's rig compressors are powered by international warranty engines. They are engineered to provide better fuel-economy and low emissions, maximizing performance and providing cost benefits to the customer.



## Ease of maintenance and service

### Doors designed for total accessibility

Large side doors provide easy access to air filters, engine, compressor, fuel tank, batteries and cooler. Serviceable components are placed within easy reach. The compressor design thus provides ease of maintenance and reduces downtime and service cost.

## User-friendly

### Centralized control panel

Operators can check on the operating status using a combination of easy-to-use instruments and digital readouts on the control panel. The panel contains air pressure gauge, discharge air oil temperature gauge, hour meter, ignition start, override switches, circuit breaker, engine lube oil pressure gauge, engine water temperatures gauge and tachometer.



## Increased Operational Life

### Two-Stage Air Intake Filters

The filtration system in two stages prevents dust from entering into the compressor and the engine. The compressor is hence ideal for operations in dusty conditions.

## Low oil carry over

### Three-stage air/oil separator

Three-stage air/oil separator effectively separates oil from air. This three-stage system ensures maximum oil recovery to minimize lube oil consumption and maintenance cost.



## Air delivery matched to demand

### Variable capacity control

The 0-100% stepless variable capacity control reduces fuel consumption and operating costs. End use air consumption controls the opening and closing of the butterfly valve, thereby regulating inlet air suction and matching engine speed to air demand. This feature allows to save fuel and spend only for the air used.

### Combo

All combo models (Dual Pressure) have been designed to provide optimal pressure for Varying depths.



## Auto high drill kit

This system maintains drilling rpm and increases drilling efficiency even after 3 inches of water yield

# Ideal for extreme environmental conditions

## Robust design

ELGi rig compressor is specially designed to perform at wide ambient temperatures from hot summer to cold winter and from dry to extremely humid conditions.

## Robust enclosure

### Industrial grade steel and powder coated canopy

Industrial grade steel and powder coated canopy provides maximum corrosion protection and ensure longer life of the unit. The rig compressor can thus withstand the tough work site demands of water-well drilling industry.



# Ensuring continuous productivity

## ELGi Genuine Spares

### Spares back-up

ELGi's genuine and economical spare parts help customers to keep operating costs to the minimum. With ELGi genuine spares, the issues of unexpected compressor failures and the risk of consequential damage to other vital compressor components are avoided. ELGi offers a full range of high efficiency separators, oil filter elements and airends for its compressed air equipment.



### Coolant

ELGi has developed special compressor oil with good thermal and oxidation stability to ensure that the compressor continues to run smoothly

- ELGi AIRLUBE with drain interval with an assured life of 500 hours
- ELGi AIRLUBE Plus, a premium mineral oil, with drain interval of 750 hours for screw air compressors



# Technical Specification

Model	Max. Free Air Delivery (Flushing)		Pressure		Engine	Overall Dimensions (LxBxH)* (mm)			Dry Weight (Kgs)
	m <sup>3</sup> /min	cfm	kgf/cm <sup>2</sup>	psig		Length	Width	Height	
<b>Skid Mounted Compressors</b>									
PG 500S -175 (Ns <sup>1</sup> )	14.16	500	12.3	175	W06DTI, Ashok Leyland	3020	1345	1464	2225
PG 500S-175S <sup>2</sup>	14.16	500	12.3	175	W06DTI, Ashok Leyland	3100	1425	1517	2600
PG 550S -200 (Ns <sup>1</sup> )	15.57	550	14.1	200	W06DTI, Ashok Leyland	3020	1345	1464	2225
PG 550S-200S <sup>2</sup>	15.57	550	14.1	200	W06DTI, Ashok Leyland	3100	1425	1517	2600
PG 600S-200	16.99	600	14.1	200	6CTA 8.3, Cummins	3115	1250	1620	2520
PG 600S-200S <sup>2</sup>	16.99	600	14.1	200	6CTA 8.3, Cummins	3500	1350	1773	2660
PG 600S-230 (Ns <sup>1</sup> )	16.99	600	16.2	230	6CTA 8.3, Cummins	3115	1250	1620	2520
PG 600S-230S <sup>2</sup>	16.99	600	16.2	230	6CTA 8.3, Cummins	3500	1350	1773	2660
PG 900S-200	25.49	900	14.1	200	NTA 855BC, Cummins	4202	1650	1900	5200
PG 900S-350	25.49	900	24.6	350	NTA 855BC, Cummins	4202	1780	1900	5200
PG 1000S-275	28.32	1000	19.3	275	NTA 855BC, Cummins	4202	1780	1900	5200
PG 1100S-300	31.15	1100	21.1	300	NTA 855BC, Cummins	4326	1790	1956	5050
PG 1200S-330	33.98	1200	23.2	330	NTA 855BC, Cummins	4326	1790	1956	5050
PG 1200S-Combo 350	33.98	1200	24.6	350	NTA 855BC, Cummins	4326	1790	1956	5050
PG 1100S-350	31.15	1100	24.6	350	KTA 1150C, Cummins	4200	2100	2690	7700
PG 1500S-Combo 400	42.48	1500	28.1	400	KTTA 19C, Cummins	4280	2000	2070	6500

**Note:** Due to continuous engineering improvements, the specifications are subject to change without further notice

\* All dimensions are mentioned excluding silencer & outlet ball valve. 1. Non-Silent Version. 2. Silent Version

# Compressed air solutions for all sustainable air needs



**Oil-Free Series Screw**  
90 - 450 kW / 480 - 2515 cfm



**EG Series Rotary Screw**  
11 - 250 kW / 47 - 1612 cfm



**EN Series Rotary Screw**  
2.2 - 75 kW / 8.0 - 469 cfm



**Electric Portable (Trolley)**  
22 - 75 kW / 131 - 490 cfm



**Diesel portable (Trolley)**  
185 - 1100 cfm / 100 - 300 psi



**Diesel Portable (Skid)**  
500 - 1500 cfm / 175 - 400psi



**Oil-free Recip**  
1.0 - 75 HP / 1.8 - 300 cfm



**Oil-lubricated Recip**  
1.0 - 40 HP / 2.0 - 128 cfm

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