



Rig Compressors

The most trusted brand in water-well drilling industry

ELGI

Always Better.

UPTIME[™]
ASSURANCE



CIN: L29120TZ1960PLC000351

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



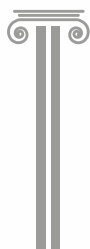
AIR UP.

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



4³/₄" 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

6¹/₂" and above bores - DTH Drilling

Range: 900-1500 cfm, 200-400 psig

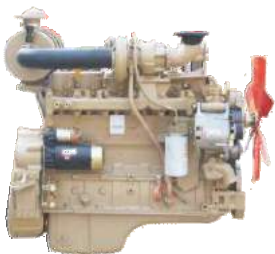
Models: PG 900S-200, PG 900S-350, PG 1000S-275, PG 1100S-300
PG 1200S-330, PG 1200S-Combo 350 and PG 1500S-Combo 400

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 ³ /min | cfm | kgf/cm ² | psig | | Length | Width | Height | |
| Skid Mounted Compressors | | | | | | | | | |
| PG 500S -175 (Ns ¹) | 14.16 | 500 | 12.3 | 175 | W06DTI, Ashok Leyland | 3020 | 1345 | 1464 | 2225 |
| PG 500S-175S ² | 14.16 | 500 | 12.3 | 175 | W06DTI, Ashok Leyland | 3100 | 1425 | 1517 | 2600 |
| PG 550S -200 (Ns ¹) | 15.57 | 550 | 14.1 | 200 | W06DTI, Ashok Leyland | 3020 | 1345 | 1464 | 2225 |
| PG 550S-200S ² | 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 ² | 16.99 | 600 | 14.1 | 200 | 6CTA 8.3, Cummins | 3500 | 1350 | 1773 | 2660 |
| PG 600S-230 (Ns ¹) | 16.99 | 600 | 16.2 | 230 | 6CTA 8.3, Cummins | 3115 | 1250 | 1620 | 2520 |
| PG 600S-230S ² | 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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