Drilling Profits

- Construction
- Mining
- Oil & Gas Exploration
- Water-well Drilling

ELGI
Always Better.

Uptime Assuarance

www.elgi.com
175 - 1500 cfm / 100 - 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.

ELGi has a legacy of providing reliable compressed air solution for the construction, mining, water-well drilling and oil & gas industries for over four decades. Drilling is both technically demanding and commercially challenging in these industries. For drilling small to large blast holes, the compressors should meet the critical requirements of high-speed, reliable performance and economy in drilling operations. ELGi compressors have proved to be a good choice to meet these demands. With faster drilling, it ensures higher productivity at lower drilling cost-per-foot.

The compressors are available in diesel/electric powered versions. They have broad usage in diverse applications that include DTH drilling, oil & gas exploration, tunneling, pigging, sand blasting quarrying, piling, laying of fibre cables, road and bridge construction.

Applications

- Blast hole drilling
- Uranium hole blowing
- Coal mining
- Marble mining
- Exploratory drilling
- Stone mining
- Mining in dead sea
- High pressure compressor for crawler drilling
All ELGi rotary screw airends feature its energy saving eta-V rotor profile that are designed to ensure maximum energy efficiency. Every ELGi screw compressor hence quickly pays for itself through significant savings in energy costs.

Industrial grade steel and powder coated canopy comes as a standard fit for maximum corrosion protection and durability. Its unique cool-box design allows cool air to enter the rear of the compressor (in closed door operation) and wash over internal components, keeping internal temperature low and prolonging component life.

ELGi trolley compressors are designed to be stable even on bad roads. Equipped with over run brakes, the compressor ensures safe towing. Parking brakes are provided as standard feature in all models to ensure safe parking.

Due to compactness, the compressor provides maximum maneuverability and allows short radius turns. The heavy duty construction of the compressor also benefits the customer with high gradeability enabling wobble-free movement on slopes.

ELGi line of diesel powered screw compressors are powered by international warranty engines, that are engineered to provide better fuel-economy and low emissions in its class. Equipped with these engines, the compressors provide the customers with durable performance at low cost of ownership.
Aluminium oil coolers are used for better heat dissipation even in a compact construction.

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

User-friendly
Centralised control panel
All major instrument controls and monitoring systems are grouped together on this panel. Operators can check on the operating status using a combination of easy-to-use instruments and digital readouts on the control panel. The digital panel also displays warning and shutdown messages if it detects abnormal conditions.

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.

Effective cooling
Aluminum oil coolers
Aluminium oil coolers are used for better heat dissipation even in a compact construction.

Increased operational life
Two-stage air intake filters
The filtration system in two-stages prevents dust from entering the compressor and the engine. The compressor is hence ideal for operations in dusty conditions.

Ease of maintenance and service
Wider access
The quick and easy access to the routine maintenance components allows drastic reduction in service time. Elements like air filters and valves can easily be reached through service doors. The service doors with cam lock/swing door arrangement enable the operator to perform maintenance with ease and less operator fatigue.
Applications

- Jack hammer / cleaning / piling / pole fixing / tunnelling / breaker / reverting / wire saw /d4 (175 - 650 cfm at 100 psi)
- Sand blasting / guniting / blasting / painting (300 - 750 cfm at 100 - 150 psi)
- Pigging / pipeline laying / dewatering / mud handling / cement / ash transfer (300 - 650 cfm at 200 psi)
- 3" - 4½" DTH drilling for pneumatic and hydraulic track & wagon drill (300 - 900 cfm at 150 - 250 psi)
- 6½" DTH drilling in open mines (475 - 1500 cfm at 150 - 400 psi)
- CBM drilling / off shore drilling / oil /gas exploration drilling (900 - 1100 cfm @ 350 psi)
- Optical cable laying - (400 cfm at 175 psi with after cooler)
- Electrical portable - (131 - 500 cfm at 100 - 135 psi)

Eco-friendly alternative with electric powered compressors

ELGi’s electric trolley compressor has set a new standard in portable compressor performance. The electric powered units are ideal where electricity is available, and in work environments where quiet and emission-free conditions are required. The compressor is equipped with an electric system, powered by a three-phase TEFC squirrel cage motor with ‘F’ class insulation. All models have easy access for operation and routine maintenance as standard with user-friendly control panels. These compact units suit not only standard pressure applications such as powering breakers and tools in marble, granite and blue metal quarries, but also more specialized uses including sand blasting, pigging, drilling, optical fibre blowing etc.

ELGi’s full range of after sales products and services

- Genuine Spares for enhancing performance and productivity
- Compressor Health Check System for keeping compressed air systems fit
- Lubricants for reliability and long service life
- Service Agreements for ensuring complete peace of mind

World’s first single-stage high pressure compressor at 250 psig

‘Preferred supplier’ of compressed air systems for the global supplier of cements in the Asia Pacific Region (APAC)
## Technical Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>FAD (m³/min)</th>
<th>Pressure (kgf/cm²</th>
<th>Engine</th>
<th>Dimensional Data (mm)</th>
<th>Weight (Dry, kg)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>With tow bar</td>
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<td>Without tow bar</td>
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<td>Height</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Height*</td>
<td></td>
</tr>
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### Diesel Powered - Two Wheel Trolley Mounted Compressors

<table>
<thead>
<tr>
<th>Model</th>
<th>FAD (m³/min)</th>
<th>Pressure (kgf/cm²</th>
<th>Engine</th>
<th>Dimensional Data (mm)</th>
<th>Weight (Dry, kg)</th>
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<tr>
<td>PG 380 - 200</td>
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<td>380</td>
<td>14.1</td>
<td>200</td>
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<tr>
<td>PG 400 - 150</td>
<td>11.33</td>
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<td>150</td>
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<tr>
<td>PG 400 - 175</td>
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<td>400</td>
<td>12.3</td>
<td>175</td>
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</tr>
<tr>
<td>PG 400 - 175 (with AC**)</td>
<td>11.33</td>
<td>400</td>
<td>12.3</td>
<td>175</td>
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<tr>
<td>PG 450 - 150</td>
<td>12.74</td>
<td>450</td>
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<tr>
<td>PG 600 - 100</td>
<td>16.99</td>
<td>600</td>
<td>7.0</td>
<td>100</td>
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<tr>
<td>PG 600 - 200</td>
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<td>14.1</td>
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<td>PG 650 - 200</td>
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<tr>
<td>PG 750 - 100</td>
<td>21.20</td>
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### Diesel Powered - Four Wheel Trolley Mounted Compressors

<table>
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<tr>
<th>Model</th>
<th>FAD (m³/min)</th>
<th>Pressure (kgf/cm²</th>
<th>Engine</th>
<th>Dimensional Data (mm)</th>
<th>Weight (Dry, kg)</th>
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<tbody>
<tr>
<td>PG 650 - 200</td>
<td>18.41</td>
<td>650</td>
<td>14.1</td>
<td>200</td>
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<tr>
<td>PG 750 - 125</td>
<td>21.24</td>
<td>750</td>
<td>8.8</td>
<td>125</td>
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<tr>
<td>PG 750 - 150</td>
<td>21.24</td>
<td>750</td>
<td>10.5</td>
<td>150</td>
<td></td>
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<tr>
<td>PG 900 - 100</td>
<td>25.49</td>
<td>900</td>
<td>7.0</td>
<td>100</td>
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<tr>
<td>PG 750 - 250</td>
<td>21.24</td>
<td>750</td>
<td>17.6</td>
<td>250</td>
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<td>PG 900 - 200</td>
<td>25.49</td>
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<td>14.1</td>
<td>200</td>
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<tr>
<td>PG 900 - 350</td>
<td>25.49</td>
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<td>350</td>
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<tr>
<td>PG 1100 - 300</td>
<td>31.15</td>
<td>1100</td>
<td>21.1</td>
<td>300</td>
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### Diesel Powered - Skid Mounted Compressors

<table>
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<tr>
<th>Model</th>
<th>FAD (m³/min)</th>
<th>Pressure (kgf/cm²</th>
<th>Engine</th>
<th>Dimensional Data (mm)</th>
<th>Weight (Dry, kg)</th>
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<tbody>
<tr>
<td>PG 400S - 175 (with AC**)</td>
<td>11.33</td>
<td>400</td>
<td>12.3</td>
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<td>PG 475S - 150</td>
<td>13.45</td>
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<td>PG 600S - 200</td>
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<td>PG 600S - 230</td>
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<td>16.2</td>
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<td>PG 900S - 200</td>
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<td>14.1</td>
<td>200</td>
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<tr>
<td>PG 900S - 350</td>
<td>25.49</td>
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<td>24.6</td>
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<tr>
<td>PG 1000S - 275</td>
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<td>19.3</td>
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<td>PG 1100S - 300</td>
<td>31.15</td>
<td>1100</td>
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<td>300</td>
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<td>PG 1200S - 330</td>
<td>33.98</td>
<td>1200</td>
<td>23.2</td>
<td>330</td>
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<td>PG 1200S - Combo 350</td>
<td>33.98</td>
<td>1200</td>
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<td>PG 1100S - Combo 350</td>
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<td>1100</td>
<td>24.6</td>
<td>350</td>
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<tr>
<td>PG 1500S - Combo 400</td>
<td>42.48</td>
<td>1500</td>
<td>28.1</td>
<td>400</td>
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### Electric Powered - Trolley Mounted Compressors

<table>
<thead>
<tr>
<th>Model</th>
<th>FAD (m³/min)</th>
<th>Pressure (kgf/cm²</th>
<th>Motor (kW)</th>
<th>Dimensional Data (mm)</th>
<th>Weight (Dry, kg)</th>
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<tr>
<td>PG 22E - 7</td>
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<td>126</td>
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<td>PG 37E - 7</td>
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<td>238</td>
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<td>113</td>
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<td>PG 45E - 8</td>
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<td>294</td>
<td>8.0</td>
<td>113</td>
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<tr>
<td>PG 55E - 7</td>
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<td>PG 55E - 9.5</td>
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<td>PG 75E - 7</td>
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<td>PG 75E - 9.5</td>
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<td>PG 45ES - 8 (Skid)</td>
<td>8.33</td>
<td>294</td>
<td>8.0</td>
<td>113</td>
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</tr>
</tbody>
</table>

### Notes
- Due to continuous engineering improvements, the technical specifications are subject to change without prior notice.
- All dimensions are mentioned with silencer. **AC - After Cooler,
Compressed air solutions for all sustainable air needs

Oil-Free Series Screw
90 - 450 kW / 572 - 2450 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)
175 - 1100 cfm / 100 - 300 psi

Diesel Portable (Skid)
475 - 1500 cfm / 150 - 400 psi

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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