Drilling Profits
Construction • Mining • Oil & Gas Exploration
Water-well Drilling
ELGi is a 50+ year-old company raised to become one of the world’s largest manufacturers of air compressors.

**ELGi’s key attributes:**
- Leader in technology-embedded products: one of only seven companies in the world to design and develop our own two-stage and 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 airends in the world
- Multiple manufacturing hubs with local product assembly worldwide
- Modern manufacturing facilities equipped with advanced high precision rotor grinding machines, turning and machining centres. Manufacturing plants are both ISO and EOHS certified.
- 2 million ELGi compressors power businesses around the globe

**World-Class Products. Global Reach. Local Service.**

Our rapidly expanding global footprint now spans 73 countries, 20 offices and more than 280 distributors. ELGi has its own manufacturing facilities in China, France, India and Italy. Additionally, ELGi has warehouse operations to stock units and parts in Australia, Brazil, UAE, Indonesia and USA.
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 compressor has proved 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, piling, laying of fibre cables, road and bridge construction.

AIR UP.

UPTIME® comes standard on every Portable 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 an 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, with industry-leading warranties, parts availability, loaner machines and call centers staffed by experts.
Energy-efficient

**Eta-V profile airen**

All ELGi rotary screw airen 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.

Robust enclosure

**Galvanized steel and powder coated canopy**

Full galvanized 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.

**Stability**

**Robust trolley**

ELGi trolley compressors are designed to be stable even on bad roads. Equipped with over run brakes, the compressor ensures safe towing.

**High maneuverability**

**Compact build**

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.

Greater fuel-efficiency

**International warranty engines**

ELGi line of diesel powered screw compressors are powered by international warranty engines, that are engineered to provide better fuel-economy and low emissions. Equipped with these engines, the compressors provide the customers with durable performance at low cost of ownership.
The aluminium oil coolers increase the effectiveness of heat in a compact construction.

**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**

The aluminium oil coolers increase the effectiveness of heat 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.
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 across the range 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.

**Construction & Mining Applications**

a) Jack Hammer, Breaker  
   Range: 175-600 cfm @ 100 psig  
   Models: DT 175-100, DT 300-100, DT 400-100, DT 600-100

b) Sand Blasting  
   Models: DT 400-150, DT 750-125

c) 3" - 4 ½" DTH Drilling (with hydraulic track drill)  
   Range: 300-450 cfm @ 150 psig, 380-650 cfm @ 200 psig, 450 cfm @ 250 psig  
   Models: DT 300-150, DT 450-150, DT 450-250, DT 400-150, DT 380-200, DT 650-200, DS 650-200

d) 6 ½” DTH Drilling in Open Mines and Water-well Drilling  
   Range: 750-1200 cfm @ 350 psig  

e) Cable Laying  
   Model: DT 400-175 with after cooler

---

**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 across the range 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

- **Energy Saving products**
  For achieving lowest energy costs

- **Coolants and Lubricants**
  For reliability and long service life

- **Exchange Scheme**
  For extending the life of your compressor

- **Service Agreements**
  For ensuring complete peace of mind

- **Air Audit System**
  Path to compressing air costs

---

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

**Vendor status from the World’s leading diversified metals and mining group**

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

## Trolley Mounted Compressors

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>m/min</th>
<th>cfm</th>
<th>barg</th>
<th>psig</th>
<th>Engine</th>
<th>Length with tow bar (mm)</th>
<th>Width without tow bar (mm)</th>
<th>Height with silenter (mm)</th>
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## Skid Mounted Compressors

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<th>cfm</th>
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## Trolley Mounted Compressors

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<th>cfm</th>
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</table>

Note: Due to continuous engineering improvements, the technical specifications are subject to change without prior notice.
World’s first single-stage high pressure compressor @ 250 psig for Crawler drill
Penjom gold mining in Malaysia
Karcham Wangtoo dam construction in India
Pole drilling of 42” diameter in the Middle East
Mining in Brazil
Exploratory drilling in Australia
Exploratory drilling in South Africa
Mining in Dead Sea in Jordan
World’s first single-stage high pressure compressor @ 250 psig for Crawler drill

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