



## Drilling Profits

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

# ELGI

Always Better.

**UPTIME**<sup>™</sup>  
ASSURANCE



CIN: L29120TZ1960PLC000351

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

185 - 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.



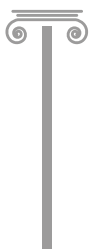
## Innovative Technology

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



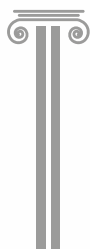
# AIR UP.

**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



## Energy-efficient Eta-V profile airend

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.

## Robust enclosure

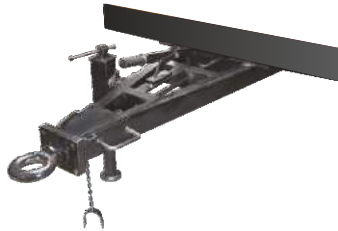
### Industrial grade steel and powder coated canopy

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.

## 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. Parking brakes are provided as standard feature in all models to ensure safe parking.



## 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 in its class. Equipped with these engines, the compressors provide the customers with durable performance at low cost of ownership.





## 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.



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# Applications

- Jack hammer / cleaning / pilling / pole fixing / tunnelling / breaker / reverting / wire saw /ld4 **(185 - 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 175 - 250 psi)**
- 6½" DTH drilling in open mines **(550 - 1500 cfm at 200 - 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)**



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)

## 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

Trust, Fairness  
and Assurance

# Technical Specification

Model	FAD		Pressure		Engine	Dimensional Data (mm)			Weight Dry (kg)	
	m <sup>3</sup> /min	cfm	kgf/cm <sup>2</sup>	psi g		Length	Width	Height <sup>1</sup>		
<b>Diesel Powered - Two Wheel Trolley Mounted Compressors</b>						With tow bar	Without tow bar			
PG 185 - 100	5.20	185	7.0	100	V2403-M, Kubota	2910	1854	1490	1420	860
PG 300 - 100	8.50	300	7.0	100	4BT, 3.9 Cummins	3275	2315	1680	2055	1500
PG 350 - 200	9.91	350	14.1	200	6BTA, Cummins	3970	3075	1860	2165	2110
PG 380 - 200	10.76	380	14.1	200	6BTA, Cummins	4275	3380	1860	2165	2340
PG 400 - 150	11.33	400	10.5	150	6BTA, Cummins	4275	3380	1860	2165	2340
PG 400 - 175	11.33	400	12.3	175	6BTA, Cummins	3970	3075	1860	2165	2100
PG 400 - 175 (with AC <sup>2</sup> )	11.33	400	12.3	175	6BTA, Cummins	3970	3075	1860	2165	2110
PG 400 - 150 (with AC <sup>2</sup> )	11.33	400	10.5	150	6BTA, Cummins	3970	3075	1860	2165	2110
PG 450 - 150	11.33	450	10.5	150	6BTA, Cummins	3970	3075	1860	2165	2110
PG 600 - 100	16.99	600	7.0	100	6BTA, Cummins	4275	3380	1860	2165	2340
PG 600 - 200	16.99	600	14.1	200	6CTA8.3, Cummins	4680	3600	1980	2200	3600
PG 650 - 200	18.41	650	14.1	200	6CTA8.3, Cummins	4680	3600	1980	2200	3600
PG 900 - 100	25.49	900	7.0	100	6CTA8.3, Cummins	4680	3600	1980	2200	3600
PG 750 - 125	21.20	750	8.8	125	6CTA8.3, Cummins	4680	3600	1980	2200	3600
PG 850 - 125	24.07	850	8.8	125	6CTA8.3, Cummins	4680	3600	1980	2200	3600

## Diesel Powered - Four Wheel Trolley Mounted Compressors

PG 750 - 250	21.24	750	17.6	250	NTA855C (BC), Cummins	6090	4700	2350	3050	6000
PG 900 - 200	25.49	900	14.1	200	NTA855C (BC), Cummins	6090	4700	2350	3050	6000
PG 900 - 350	25.49	900	24.6	350	NTA855C (BC), Cummins	6090	4700	2350	3050	6000
PG 1100 - 300	31.15	1100	21.1	300	NTA855C (BC), Cummins	6090	4700	2350	3050	6000
PG 1200 - Combo 350	33.98	1200	24.6	325/350	NTA855C (BC), Cummins	6160	4660	2130	2685	6000

## Diesel Powered - Skid Mounted Compressors

PG 400S - 175 (with AC <sup>2</sup> )	11.33	400	12.3	175	6BTA, Cummins	3248	1540	2097	2300
PG 600S-200	16.99	600	14.1	200	6CTA 8.3, Cummins	3115	1250	1620	2520
PG 600S-200S <sup>3</sup>	16.99	600	14.1	200	6CTA 8.3, Cummins	3500	1350	1773	2660
PG 600S-230 (Ns <sup>2</sup> )	16.99	600	16.2	230	6CTA 8.3, Cummins	3115	1250	1620	2520
PG 600S-230S <sup>3</sup>	16.99	600	16.2	230	6CTA 8.3, Cummins	3500	1350	1773	2660
PG 650S - 200 (BHD <sup>5</sup> )	18.41	650	14.1	200	6CTA 8.3, Cummins	3115	1250	1620	2520
PG 900S-200	25.49	900	14.1	200	NTA 855BC, Cummins	4562	2287	2370	5200
PG 900S-350	25.49	900	24.6	350	NTA 855BC, Cummins	4562	2287	2370	5200
PG 1000S-275	28.32	1000	19.3	275	NTA 855BC, Cummins	4562	2287	2370	5200
PG 1100S-300	31.15	1100	21.1	300	NTA 855BC, Cummins	4800	2200	1950	4990
PG 1200S-330	33.98	1200	23.2	330	NTA 855BC, Cummins	4800	2200	1950	4990
PG 1200S-Combo 350	33.98	1200	24.6	350	NTA 855BC, Cummins	4800	2200	1950	4990
PG 1500S-Combo 400	42.48	1500	28.1	400	KTTA 19C, Cummins	4750	2400	2550	6500

Model	FAD		Pressure (Max)		Motor (kW)	Dimensional Data (mm)			Weight Dry (kg)
	m <sup>3</sup> /min	cfm	bar (g)	psi g		Length	Width	Height	

## Electric Powered - Trolley Mounted Compressors

PG 22E - 7	3.57	126	8.0	116	22	2526	1393	1389	740
PG 37E - 7	6.74	238	8.0	116	37	3130	1660	1680	1270
PG 45E - 7	8.33	294	8.0	116	45	3130	1660	1680	1300
PG 45ES - 7 (skid)	8.33	294	8.0	116	45	2220	1325	1340	1200
PG 55E - 7	10.76	380	8.0	116	55	3320	1704	1877	2045
PG 55E - 9.5	9.20	325	10.5	152	55	3320	1704	1877	2045
PG 75E - 7	13.88	490	8.0	116	75	3320	1704	1877	2020
PG 75E - 9.5	11.64	418	10.5	152	75	3320	1704	1877	2020
PG 75E - 12.5	10.47	370	12.5	181	75	3320	1704	1877	2020

**Note:** Due to continues engineering improvements, the technical specifications are subject to change without prior notice.

1. All dimensions are mentioned with silencer, 2. AC - After Cooler, 3. Non-Silent version, 4. Silent Version, 5. Blast Hole Drill

# Compressed air solutions for all sustainable air needs



**Oil free series screw**  
45 - 450 kW / 190 - 2601 cfm



**EG series rotary screw**  
11 - 250 kW / 45 - 1540 cfm



**EN series rotary screw**  
2.2 - 45 kW / 9.0 - 280 cfm



**Electric portable (Trolley)**  
22 - 90 kW / 130 - 500 cfm



**Diesel portable (Trolley)**  
185 - 1200 cfm / 100 - 350 psig



**Diesel portable (Skid)**  
500 - 1500 cfm / 175 - 400 psig



**Oil free recip**  
5.0 - 30 kW / 14.5 - 90 cfm



**Oil lubricated recip**  
1.0 - 40 hp / 2.0 - 128 cfm

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