



## Two-Stage Oil-Free Reciprocating Air Compressor

**ELGi**  
Always Better.

**UPTIME**<sup>™</sup>  
ASSURANCE



CIN: L29120TZ1960PLC000351

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

5 - 15 HP / 3.7 - 11 kW

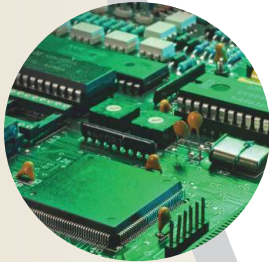
# Oil-free reciprocating compressors



The two stage oil-free reciprocating compressors are Elgi's solutions to the increasing need by industries and research institutions for higher purity in compressed air applications.

"No oil in compressor is equal to no oil in output air from the compressor" Elgi oil-free compressors are engineered on this principle. Elgi has adapted a dry crankcase that is totally devoid of oil. The internal moving and friction parts of the compressor have been designed suitably to overcome the absence of lubricating oil. Sealed bearings have been used for crankshaft and connecting rods. Poly Tetra Fluoro Ethylene (PTFE) coated pistons and PTFE rings have been used to provide wear resistance.

Designed for industrial duty, the compressor is a perfect solution for applications where oil carried in air can affect the end product or downstream components through which air flows after the compressor. To the customer this means less expenditure on maintenance – elimination of expensive oil removal filters, frequent stoppages for oil top and oil fills in the crankcase.



## Applications:

- Oxygen/Nitrogen generation plants
- Laboratories
- Research facilities
- Pharmaceutical industry
- Food processing & packaging
- Electronics production
- Ozone generation
- Printing equipment
- Fermenters
- Applications that are zero tolerant to oil in compressed air





### Cylinder and cylinder head

- deep finned cylinders for efficient heat dissipation
- cylinder walls are specially coated for wear and corrosion resistance
- polished bore and smooth finish of the cylinders provide longer wear life of the piston rings



### PTFE coated pistons and PTFE rings

ensure longer wear life and gas tight sealing



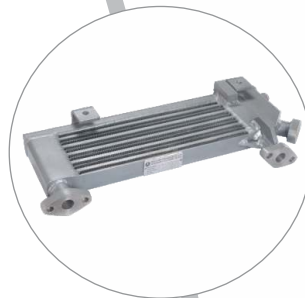
### Stainless Steel reed valves

for corrosion resistance



### Single piece crankshaft

robust and easy to assemble



### Flanged aluminium aftercooler

from high pressure cylinder for efficient cooling



### Delivery unloader

for automatic unloading of the compressed air in the delivery pipelines



### Twin sided belt guard

meeting OSHA standards

### Rust proof internal coating

for air receiver

# Technical Specification

| Model      | Motor Power |      | Free Air Delivery  |      | Dimensions (LxBxH) | Net Weight | Air receiver |
|------------|-------------|------|--------------------|------|--------------------|------------|--------------|
|            | HP          | kW   | m <sup>3</sup> /hr | cfm  | mm                 | kg         | Litres       |
| TS 05 OF B | 5.0         | 3.7  | 24.60              | 14.5 | 1618 x 560 x 1015  | 210        | 220          |
| TS 07 OF B | 7.5         | 5.5  | 37.38              | 22.0 | 1618 x 560 x 1015  | 230        | 220          |
| TS 10 OF B | 10.0        | 7.5  | 57.78              | 34.0 | 1650 x 880 x 1315  | 400        | 420          |
| TS 10 OF B | 10.0        | 7.5  | 57.78              | 34.0 | 1545 x 675 x 830   | 220        | BM           |
| TS 15 OF B | 15.0        | 11.0 | 76.44              | 45.0 | 1650 x 880 x 1315  | 460        | 420          |
| TS 15 OF B | 15.0        | 11.0 | 76.44              | 45.0 | 1545 x 675 x 830   | 280        | BM           |

## Note:

- Maximum operating pressure is 10 bar
- Free air delivery measured in accordance with IS 5456
- BM - Base Mounted

## ELGi Airmate Accessories



### Refrigeration Air Dryer

- Capacity : 10-2000 cfm
- Working pressure : 7-60 bar
- Filtration range: +3°C. PDP



### Dessicant Air Dryer

- Capacity : 10-45 cfm
- Max. working pressure : 16 bar g



### Downstream filter

- Capacity : 19-1200 cfm
- Working pressure : 7-60 bar
- Filtration range: 1-0.003 microns



### Drain Valves

#### Timer controlled and zero loss

- Capacity : 50-2000 cfm
- Max. Working pressure : 16 bar g
- Media : Condensate



### 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

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### 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.

# ELGi

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Customer care mobile no.: +91 92821 11224 (SMS only)

Toll-free no: **1800-425-3544** (applicable for India only)

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# Single and Two-Stage Industrial Reciprocating Air Compressors

**ELGi**  
Always Better.

**UPTIME™**  
ASSURANCE



CIN: L29120TZ1960PLC000351

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

03 - 40 HP / 2.2 - 30 kW

# Single and Two Stage Oil-lubricated Reciprocating Compressor

## Robust, reliable and long lasting

ELGi reciprocating air compressors are designed for optimum efficiency while requiring minimum maintenance to meet your demands of compressed air.

## Core values that benefits the customer



### High reliability:

Enhanced life of consumables and lesser service points ensures lower down time of the compressor



### Cost effective:

Offers low life cycle cost with zero compromise on performance and quality



### Energy efficient:

Aluminum cooler tubes ensuring superior heat dissipation for higher operating efficiency



### Operator safety:

Compressor design confirms to ASME design code and OSHA Safety standards

| Key product features              | Benefits                                            |
|-----------------------------------|-----------------------------------------------------|
| Cast iron block                   | Outperforms and outlasts aluminium block compressor |
| Industrial duty rating            | No stand-by compressor required                     |
| Slow running speed                | Low wear & tear                                     |
| Pressure switch with unloader*    | Easy starting and increased motor life              |
| Totally enclosed belt guard       | Full protection against accidents                   |
| Inter stage pressure relief valve | Provides extra safety                               |
| Air receiver                      | Totally safe, as per international standards        |
| Testing as per IS 5456 standards  | Guaranteed output                                   |
| Leak proof fittings               | No compressed air leakage                           |

\* Feature available with select models only



## Technical specification

| Model                                               | Piston displacement |      | Free air delivery* |      | Motor power |      | Compressor | No. of cylinders | Air receiver | Overall dimensions | Net weight |
|-----------------------------------------------------|---------------------|------|--------------------|------|-------------|------|------------|------------------|--------------|--------------------|------------|
|                                                     | lpm                 | cfm  | lpm                | cfm  | HP          | KW   |            |                  |              |                    |            |
| Single-Stage (Maximum Pressure 9kg/cm² or 128 psi ) |                     |      |                    |      |             |      |            |                  |              |                    |            |
| SS 03 L B                                           | 360                 | 12.7 | 256                | 9.0  | 3.0         | 2.2  | 550        | 2                | 160          | 1345x540x1085      | 205        |
| SS 05 L B                                           | 605                 | 21.4 | 443                | 15.6 | 5.0         | 3.7  | 925        | 2                | 220          | 1595x545x1085      | 265        |
| SS 07 L B                                           | 921                 | 32.6 | 708                | 25.0 | 7.5         | 5.5  | 690        | 2                | 220          | 1595x635x1115      | 307        |
| SS 10 L B                                           | 1228                | 43.4 | 950                | 33.6 | 10.0        | 7.5  | 920        | 2                | 220          | 1595x635x1115      | 322        |
| SS 10 L B                                           | 1228                | 43.4 | 950                | 33.6 | 10.0        | 7.5  | 920        | 2                | 420          | 1660x825x1240      | 367        |
| SS 15 L B                                           | 1853                | 66.4 | 1390               | 49.1 | 15.0        | 11.0 | 925        | 3                | 500          | 1925x885x1515      | 514        |
| Two-Stage (Maximum Pressure 12kg/cm² or 175 psi )   |                     |      |                    |      |             |      |            |                  |              |                    |            |
| TS 03 L B                                           | 311                 | 10.7 | 250                | 8.8  | 3.0         | 2.2  | 925        | 2                | 160          | 1345x540x1085      | 200        |
| TS 03 L B                                           | 311                 | 10.7 | 250                | 8.8  | 3.0         | 2.2  | 925        | 2                | 220          | 1595x500x1085      | 225        |
| TS 05 L B                                           | 501                 | 17.7 | 410                | 14.5 | 5.0         | 3.7  | 925        | 2                | 220          | 1595x585x1095      | 240        |
| TS 07 L B                                           | 700                 | 24.8 | 580                | 20.7 | 7.5         | 5.5  | 1050       | 2                | 220          | 1600x630x1120      | 270        |
| TS 10 L B*                                          | 997                 | 35.4 | 850                | 30.1 | 10.0        | 7.5  | 750        | 3                | 220          | 1595x810x1205      | 350        |
| TS 10 L B*                                          | 997                 | 35.4 | 850                | 30.1 | 10.0        | 7.5  | 750        | 3                | 420          | 1675x885x1350      | 410        |
| TS 10 L B*                                          | 997                 | 35.4 | 850                | 30.1 | 10.0        | 7.5  | 750        | 3                | 500          | 1925x885x1430      | 420        |
| TS 15 L B*                                          | 1535                | 54.3 | 1250               | 44.1 | 15.0        | 11.0 | 1150       | 3                | 500          | 1925x885x1350      | 470        |

Free Air Delivery measured as per IS 5456 at working pressures for SS models at 7kg/cm<sup>2</sup> and for TS models at 10kg/cm<sup>2</sup>

\* Available in base mounted versions also

Due to continuous engineering improvements, technical specifications are subject to change without prior notice

# Two Stage High Volume Oil-lubricated Reciprocating Compressor

## Low Investment, Maximum Returns

ELGi's two stage high volume compressor is meticulously designed with cutting-edge technology proven around the world. It is simple to operate and easy to maintain. And with an extensive service network and easy availability of spares, this compressor is undoubtedly the wisest choice for unparalleled performance in the long run.

For small scale industries and entrepreneurs, ELGi's two stage high volume compressors provide the perfect match between low investment and maximum returns.

| Key Product Features                                   | Benefits                                                                              |
|--------------------------------------------------------|---------------------------------------------------------------------------------------|
| Robust and rugged design                               | Designed for continuous performance in extreme climatic conditions                    |
| Deep finned cylinders                                  | Increases heat dissipation                                                            |
| Air-cooled after-cooler                                | Efficient cooling to ensure that temperature rises are kept within 10°C above ambient |
| Inter stage pressure relief valve                      | Provides additional safety                                                            |
| Wire wound copper to copper after cooler               | Greater cooling and better heat dissipation                                           |
| High quality piston rings                              | Low oil carry-over and extended life of piston rings                                  |
| Efficient disc valve system for high volume compressor | Higher volumetric efficiency                                                          |
| High Efficient IE3 motor*                              | Energy Saving                                                                         |

\* TS 25 L B - TS 40 L B only



Tank mounted



Base mounted

## Technical specification

| Model     | Power |      | Working Pressure   |        | Capacity           |        | Type of Mounting |
|-----------|-------|------|--------------------|--------|--------------------|--------|------------------|
|           | HP    | kW   | kg/cm <sup>2</sup> | psi g  | m <sup>3</sup> /hr | cfm    |                  |
| TS 20 L B | 20    | 15.0 | 7                  | 99.56  | 125.56             | 73.90  | Tank/base        |
| TS 20 L B | 20    | 15.0 | 10                 | 142.23 | 116.94             | 68.83  | Tank/base        |
| TS 20 L B | 20    | 15.0 | 12                 | 170.68 | 109.79             | 64.62  | Tank/base        |
| TS 25 L B | 25    | 18.5 | 7                  | 99.56  | 138.23             | 81.36  | Base             |
| TS 25 L B | 25    | 18.5 | 10                 | 142.23 | 126.90             | 74.69  | Base             |
| TS 25 L B | 25    | 18.5 | 12                 | 170.68 | 121.38             | 71.44  | Base             |
| TS 30 L B | 30    | 22.0 | 7                  | 99.56  | 177.17             | 104.28 | Base             |
| TS 30 L B | 30    | 22.0 | 10                 | 142.23 | 160.84             | 94.67  | Base             |
| TS 30 L B | 30    | 22.0 | 12                 | 170.68 | 151.98             | 89.45  | Base             |
| TS 40 L B | 40    | 30.0 | 7                  | 99.56  | 217.25             | 127.87 | Base             |
| TS 40 L B | 40    | 30.0 | 10                 | 142.23 | 204.47             | 120.35 | Base             |
| TS 40 L B | 40    | 30.0 | 12                 | 170.68 | 178.73             | 105.20 | Base             |

**Note:** Free air delivery measured in accordance with IS 5456

Tank capacity for TS 20 L B is 500 liters

Due to continuous engineering improvements, specifications are subject to change. The pictures shown in this brochure are representative and not the entire range.



# ELGi Industrial Reciprocating Air Compressor Applications:



Iron and Steel



Cement industry



Rice Sortex



Auto garage



Ship building

## After Sales Solutions

A wide range of After Sales products and services is designed to add maximum value for our customers. Our fast serviceability ensures optimum availability and reliability of the compressors with the lowest possible operating costs

## Genuine Spares and Service

Elgi Genuine Spares helps in avoiding unexpected compressor failures and the risk of consequential damage to other vital compressor components. Elgi spares are designed, manufactured and checked for quality to meet the standards of a new compressor. The spares undergo continuous improvement to provide best results and are available through the vast network of Elgi dealers in India and International markets

## Genuine Spares

For enhancing performance and productivity



## ELGi Airmate Accessories



### Moisture separator

- Capacity: 100 - 365 cfm
- Working pressure: 16 bar g



### Downstream filter

- Capacity: 19 - 1200 cfm
- Working pressure: 7 - 60 bar
- Filtration range: 1 - 0.003 microns



### Refrigeration air dryer

- Capacity: 10 - 200 cfm
- Working pressure: 7 - 60 bar
- Filtration range: +3°C. PDP



### Drain valves

(Timer controlled & zero loss)

- Capacity : 50 - 2000 cfm
- Working pressure: 16 bar
- Media : Condensate



### Air receiver

- Capacity : 250-1000 ltrs.
- Working pressure : 7-12.5 bar
- Code of construction: ASME sec. VIII Div.I or IS 2825

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# Single-Stage Belt Drive Reciprocating Air Compressors

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ASSURANCE



CIN: L29120TZ1960PLC000351

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

1 - 3 HP / 0.75 - 2.2 kW

# Single-Stage Belt Drive Reciprocating Compressors

## 1-3 HP

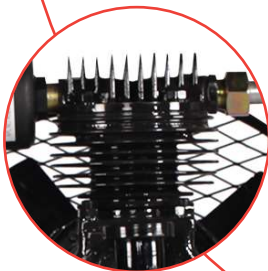
The Single-Stage Belt Drive Reciprocating Compressors are designed for continuous duty application. These single-stage cylinder belt driven reciprocating compressors are reliable workhorses and can generate up to 10 bar g pressure suitable for most of the industries and automotive applications.

### Key Product Features

- Designed for continuous duty
- Deep finned cast iron cylinder
- Aluminum cooler tubes and aerodynamically designed for efficient cooling
- Air receiver, conforming to ASME design
- Sturdy, robust cast iron crankcase
- Forged steel crankshaft
- Optimal operating speed
- Pressure relief valve for extra safety
- Low expansion aluminium alloy piston
- Automatic start and stop loop control



Proved pressure switch and starter



Cast Iron cylinder and head with extensive cooling fins for heat transfer



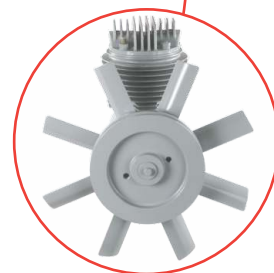
Air receiver conforming to ASME standards



Precision machined alloy pistons for longer life



Low wear stainless steel valves



Deep finned cylinders for efficient heat transfer. Large cooling fan covers the entire compressor block



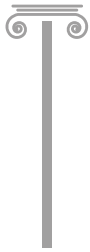
## Technical Specifications

| Model      | Motor Power |      | Piston Displacement |      | Free Air Delivery*  |      | Comp. Speed | Max Pressure       |     | Air Receiver | Net Weight | Dimensional Data |
|------------|-------------|------|---------------------|------|---------------------|------|-------------|--------------------|-----|--------------|------------|------------------|
|            | HP          | kW   | m <sup>3</sup> /min | cfm  | m <sup>3</sup> /min | cfm  | rpm         | Kg/cm <sup>2</sup> | psi | ltrs         | Kg         | lxbxh(mm)        |
| SS 01 L B  | 1           | 0.75 | 0.12                | 4.19 | 0.06                | 2.12 | 1200        | 10                 | 145 | 45           | 72         | 900x475x850      |
| SS 01 L B  | 1           | 0.75 | 0.12                | 4.19 | 0.06                | 2.12 | 1200        | 10                 | 145 | 100          | 100        | 1270x390x840     |
| SS 1.5 L B | 1.5         | 1.1  | 0.16                | 5.57 | 0.08                | 3    | 930         | 10                 | 145 | 100          | 102        | 1310x530x840     |
| SS 02 L B  | 2           | 1.5  | 0.20                | 7.06 | 0.11                | 3.89 | 870         | 10                 | 145 | 100          | 112        | 1310x530x825     |
| SS 02 L B  | 2           | 1.5  | 0.20                | 7.06 | 0.11                | 3.89 | 870         | 10                 | 145 | 160          | 140        | 1280x590x885     |
| SS 03 L B  | 3           | 2.2  | 0.28                | 9.99 | 0.19                | 6.77 | 1225        | 10                 | 145 | 160          | 143        | 1330x450x900     |

### Note:

- Free Air Delivery measured as per IS 5456 at 7 bar
- Squirrel cage motors with IP55 protection and Class F insulation
- All models are available with single-phase motors. Weight of single-phase motor units may vary by +/- 7 kg
- Due to continuous engineering improvements , technical specifications are subject to change without prior notice





### 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.



### WORLD-WIDE REACH

ELGi serves the world marketplace. Over two million compressors are powering business in 70 countries worldwide. The company offers a strong sales and service network, integrated with a distribution network of 100's of dealers worldwide. ELGi™ has its own manufacturing facilities in India, Italy and USA. Additionally, ELGi has warehouse operations to stock units and parts in Australia, Brazil, Indonesia and Middle east

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ASSURANCE



CIN: L29120TZ1960PLC000351

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

1.0 - 2.0 HP / 0.75 - 1.5 kW



## Single-Stage Direct Drive Reciprocating Air Compressors

For the first time ever ELGi offers a smaller, stronger and lighter air compressors in the power range of 1.0 HP to 2.0 HP

### Applications

- Tyre vulcanising.
- Spray painting.
- Pneumatic tools.
- Cycle shops & garages.
- Small machine shops & fabrication workshops.
- Community projects and more..

| Features                                               | Benefits                                               |
|--------------------------------------------------------|--------------------------------------------------------|
| • Compact size, direct drive                           | Maintenance-friendly, saves power                      |
| • Durable aluminium body                               | Low wear and tear with cast- Iron sleeve               |
| • Piston rings of unique design                        | Better oil control, low oil consumption and carry-over |
| • Robust motor                                         | Withstands voltage fluctuations from 180V to 240V      |
| • Reed valve                                           | Low noise                                              |
| • Aluminium cylinder head and cylinders with deep fins | Better cooling                                         |
| • Tropicalised                                         | Suitable for local conditions                          |
| • Handle with rubber grip                              | Easy mobility                                          |
| • Wide network                                         | Prompt after-sales service                             |

## Technical Specification

| Model      | Motor<br>kW (HP) | Piston Displacement |           | Speed<br>rpm | No. of<br>Cylinder | No. of<br>Piston | Volt/Ph | Air receiver                |
|------------|------------------|---------------------|-----------|--------------|--------------------|------------------|---------|-----------------------------|
|            |                  | lpm(cfm)            | bar (psi) |              |                    |                  |         | Litres                      |
| SS 01 L D  | 0.75 (1.0)       | 107 (3.8)           | 10 (145)  | 2880         | 1                  | 1                | 230/1   | 45 Hor*                     |
| SS 1.5 L D | 1.1 (1.5)        | 209 (7.4)           | 10 (145)  | 2880         | 1                  | 1                | 230/1   | 45 & 100 Hor*               |
| SS 02 L D  | 1.5 (2.0)        | 249 (8.8)           | 10 (145)  | 2880         | 1                  | 1                | 230/1   | 45, 100, 160 Hor* & 90 Ver* |

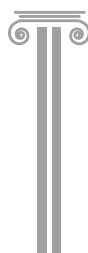
\* Hor. - Horizontal, Ver. - Vertical

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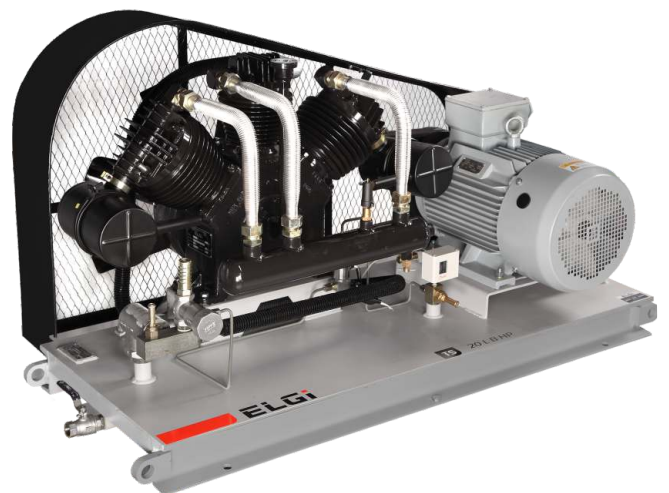
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# ELGi's High Pressure Reciprocating Air Compressors

**ELGi**  
Always Better.



CIN: L29120TZ1960PLC000351

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

3 - 20 HP / 2.2 - 15 kW



## 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 is one of the few companies in the world capable of designing, manufacturing air ends and compressor packages. The ELGi range of air compressors is one of the widest in the world. We manufacture reciprocating air compressors, rotary screw air compressors, oil-flooded, oil-free and centrifugal air compressors, and precision engineered components. Screw compression elements are manufactured in-house using state-of-the-art machining centers for rotor grinding and machining intrinsic castings of various sizes.



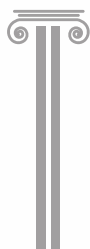
## Innovative Technology

True to the leadership position it aspires, ELGi has through the decades maintained a technological edge in the air compressor market with incremental and breakthrough innovation, through incorporation of latest technologies in its products. ELGi is known in the industry for providing custom-engineered solutions to meet our clients' needs. The company collaborates with clients to understand their changing needs and designs solutions accordingly. Long-term partnering has been our key differentiating factor.



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# PET Exclusive High Pressure Reciprocating Compressor

ELGi's exclusive PET compressor range is ideally suited for PET blowing application which operate with one or more PET blowing machines. These compressors are specifically designed to meet the requirements of the PET industry and offers a low cost of ownership and very high UPTIME.

The compressors are designed for operator and plant safety with OSHA standards with twin sided belt guard, sealed safety valves as the compressors operate at higher pressures. ELGi offers these compressors with a host of ELGi 'Airmate' downstream accessories such as Pre and after filters, oil and moisture separators, refrigerant dryers and vertical air receivers designed to ASME standards

Choose from ELGi's wide range of high pressure compressors which are designed to precisely meet your high pressure Air demands. ELGi's high pressure compressors are used widely in different applications such as PET blowing, Plastic and Packaging Industry, Gen-set starting, Circuit breaking, Power plants and Testing labs.

## The ELGi Advantage

### Aluminium pistons with piston rings

to ensure lower wear and tear and lower oil carry over into the compression chamber. They also protect the piston from any wear and tear during extreme operating conditions

### Cast iron cylinders and cylinder heads

with deep grooved cooling fins ensure best possible heat transfer and keeps the compression system relatively cool

### Strong and robust

**crank case** is made of high grade cast iron. splash lubrication system ensures proper circulation of oil to all parts of the rotating system.

**Precise and sophisticated suction valves with unloader and delivery valves** of the best quality ensure long life of the compression system



### 1. Top Block

Robust 3 stage high pressure block for the best efficiency

### 2. Suction Filter

Heavy duty air filter with enhanced life

### 3. Electric Motor

Heavy duty, TEFC, CE Certified, designed for 50°C ambient with IP55 protection & Class F insulation

### 4. Delivery Un-loader

Solenoid controlled automatic bleeding of compressed air to ensure smooth starting

### 5. Starter

Dual operation mode (Load/un-load and on/off) at a single touch

### 6. Inter & After Coolers

Robust air cooled inter stage and after stage copper coolers

### 7. V-Belts

Double poly V belts with low transmission loss

### 8. Safety Valves

4 safety valves for enhanced safety

### 9. Suction Unloaders

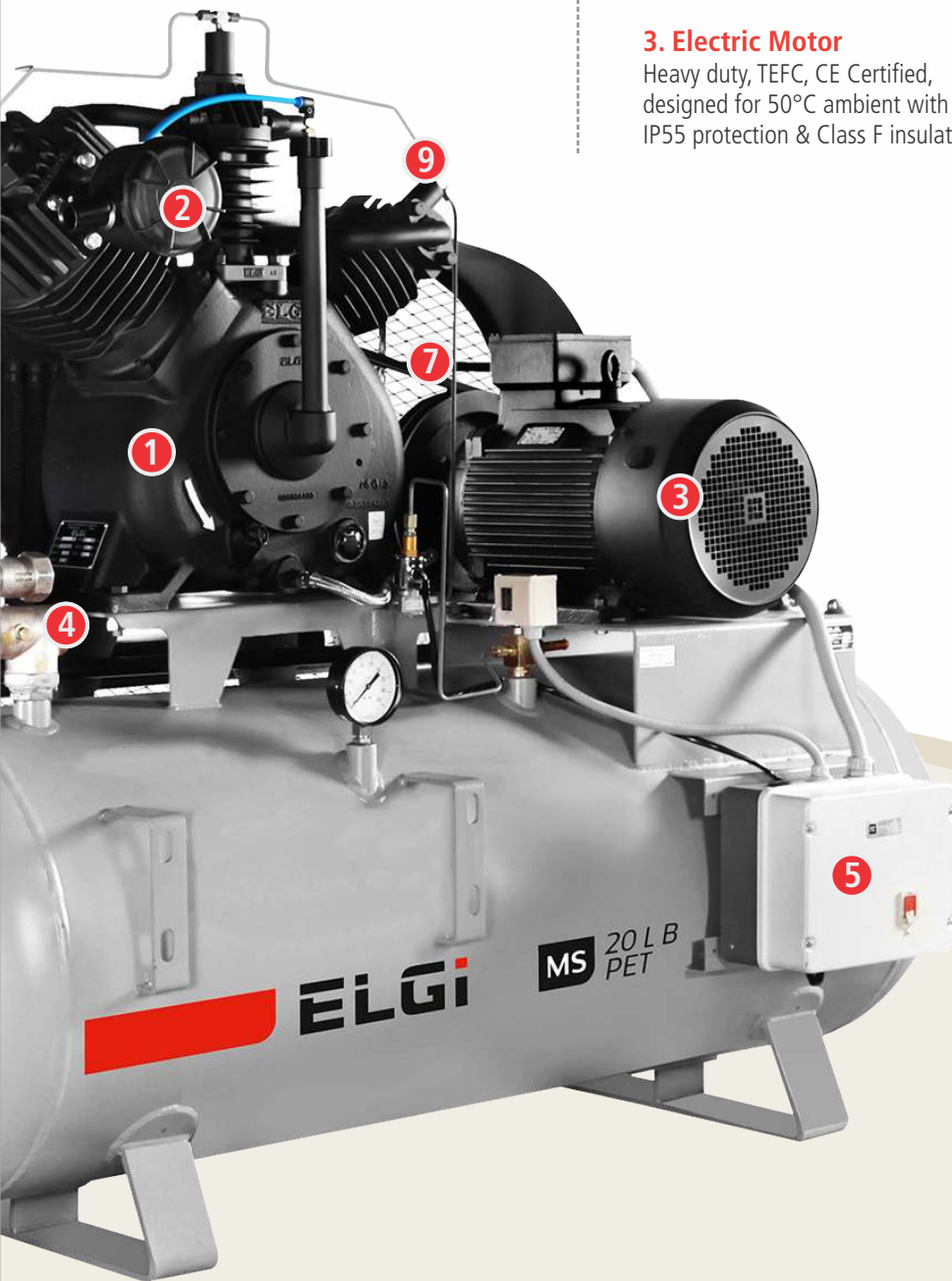
Runs the compressor in un-load mode when there is no demand

### 10. Belt Guard

Close mesh belt guard to prevent accidental injury to the operator as per international safety norms

### 11. Air Receiver

500 Lts high pressure receiver designed as per ASME standards



**High quality ball bearings and roller bearings** made by manufacturers of international reputation ensures optimum load transfer and transmission without causing any un-even wear



### 3 piece forged crank shaft and forged connecting rods

with a high mechanical life offers even throw and makes the compression system run smooth without any unwanted vibration.



## Technical Specification :

### ELGi PET High Pressure Reciprocating Air Compressor

| Model          | Motor Power |      | Free Air Delivery |     | Maximum Working Pressure |     | Dimensions (mm) |         |        | Weight* | Tank ** |
|----------------|-------------|------|-------------------|-----|--------------------------|-----|-----------------|---------|--------|---------|---------|
| 50Hz           | kW          | HP   | m³/hr             | cfm | bar g                    | psi | Length          | Breadth | Height | Kg      | Ltrs.   |
| TS 15 L B PET  | 11.0        | 15.0 | 51.0              | 30  | 30                       | 435 | 1980            | 865     | 1405   | 735     | 500     |
| MS 20 L B PET  | 15.0        | 20.0 | 91.8              | 54  | 25                       | 363 | 2028            | 989     | 1602   | 926     | 500     |
| TS 20 L B PET  | 15.0        | 20.0 | 65.4              | 39  | 33                       | 479 | 1978            | 843     | 1455   | 760     | 500     |
| TS 20 L B PET  | 15.0        | 20.0 | 65.4              | 39  | 33                       | 479 | 1463            | 775     | 895    | 396     | BM      |
| TS 20 L B PET* | 15.0        | 20.0 | 64.8              | 38  | 33                       | 479 | 1980            | 865     | 1405   | 780     | 500     |
| MS 20 L B PET  | 15.0        | 20.0 | 63.0              | 37  | 40                       | 580 | 1450            | 845     | 949    | 525     | BM      |

**Note:**

1. \* Water Cooled.
2. \*\* Mounted on a horizontal air receiver.
3. Free air delivery in accordance with IS5456

BM - Base Mounted

## Technical Specification :

### High Pressure & Super Pressure Reciprocating Air Compressor

| Model | Motor Power |    | Free Air Delivery |     | Maximum Working Pressure |       | Dimensions (mm) |         |        | Weight* | Type of Mounting |
|-------|-------------|----|-------------------|-----|--------------------------|-------|-----------------|---------|--------|---------|------------------|
| 50Hz  | kW          | HP | m³/hr             | cfm | bar g                    | psi g | Length          | Breadth | Height | Kg      |                  |

#### High Pressure

|              |  |      |      |       |       |    |     |      |     |     |     |    |
|--------------|--|------|------|-------|-------|----|-----|------|-----|-----|-----|----|
| TS 03 L B HP |  | 2.2  | 3.0  | 6.00  | 3.53  | 30 | 435 | 1270 | 515 | 650 | 132 | BM |
| TS 05 L B HP |  | 3.7  | 5.0  | 12.35 | 7.27  | 30 | 435 | 1270 | 515 | 650 | 142 | BM |
| TS 07 L B HP |  | 5.5  | 7.5  | 19.56 | 11.51 | 30 | 435 | 1440 | 600 | 695 | 248 | BM |
| TS 10 L B HP |  | 7.5  | 10.0 | 25.21 | 14.84 | 30 | 435 | 1470 | 630 | 725 | 250 | BM |
| TS 15 L B HP |  | 11.0 | 15.0 | 50.97 | 30.00 | 30 | 435 | 1550 | 740 | 825 | 375 | BM |
| TS 20 L B HP |  | 15.0 | 20.0 | 67.96 | 40.00 | 30 | 435 | 1725 | 810 | 830 | 396 | BM |

#### Super Pressure

|              |  |      |      |       |       |    |     |      |     |      |     |    |
|--------------|--|------|------|-------|-------|----|-----|------|-----|------|-----|----|
| MS 10 L B SP |  | 7.5  | 10.0 | 35.94 | 21.20 | 35 | 508 | 1820 | 790 | 1030 | 430 | BM |
| MS 15 L B SP |  | 11.0 | 15.0 | 42.00 | 24.72 | 35 | 508 | 1820 | 790 | 1030 | 483 | BM |
| MS 20 L B SP |  | 15.0 | 20.0 | 56.88 | 33.50 | 40 | 580 | 1820 | 790 | 1030 | 503 | BM |
| MS 20 L B SP |  | 15.0 | 20.0 | 48.00 | 28.26 | 60 | 870 | 1820 | 790 | 1030 | 503 | BM |

**Note:**

1. \* Weight only for the compressor package (Without Packing)
2. Free air delivery in accordance with IS5456
3. Due to continuous improvements, specifications are subject to change.
4. The pictures shown in this brochure are representative and not the entire range.

BM - Base Mounted

## ELGi PET and High Pressure Applications:



Pet Blowing



Genset Starting



Thermal Power Projects



Circuit Breaking



Plastic and Packaging industry

## After Sales Solutions

A wide range of After Sales products and services is designed to add maximum value for our customers. Our fast serviceability ensures optimum availability and reliability of the compressors with the lowest possible operating costs

### Genuine Spares and Service

Elgi Genuine Spares helps in avoiding unexpected compressor failures and the risk of consequential damage to other vital compressor components. Elgi spares are designed, manufactured and checked for quality to meet the standards of a new compressor. The spares undergo continuous improvement to provide best results and are available through the vast network of Elgi dealers in India and International markets

## Genuine Spares

For enhancing performance and productivity



## Elgi Airmate Accessories



### Refrigeration Air Dryer

- Capacity : 20 - 80 cfm
- Max. pressure: 35 - 60 bar g



### Moisture Separator

- Capacity : 20 - 80 cfm
- Max. pressure : 35 - 60 bar g



### Air Receiver

- Capacity : 1000 Litres
- Max. pressure : 60 bar g

## Downstream filter



### Particulate Filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

### Oil Removal Filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

### After filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

# ELGi

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