

# 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:

Robust internal parts 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:

Best in class flow for specified HP with high efficiency IE2 Motors



### 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 & 100% assured capacity 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 Speed rpm	No. of cylinders	Air receiver Litres	Overall unit dimensions (LxBxH) mm	Net weight kg
	lpm	cfm	lpm	cfm	HP	KW					
<b>Single-Stage</b> (Maximum Pressure 9kg/cm <sup>2</sup> or 128 psi )											
SS 03 L B	360	12.7	255	9.0	3.0	2.2	550	2	160	1340x535x1075	205
SS 05 L B	606	21.4	442	15.6	5.0	3.7	925	2	220	1590x535x1075	265
SS 07 L B	923	32.6	708	25.0	7.5	5.5	690	2	220	1590x625x1105	307
SS 10 L B	1229	43.4	949	33.5	10.0	7.5	920	2	220	1590x625x1105	322
SS 10 L B	1229	43.4	949	33.5	10.0	7.5	920	2	420	1650x750x1340	367
SS 15 L B	1860	65.7	1390	49.1	15.0	11.0	925	3	500	1915x875x1505	514
<b>Two-Stage</b> (Maximum Pressure 12kg/cm <sup>2</sup> or 175 psi )											
TS 03 L B	303	10.7	249	8.8	3.0	2.2	925	2	160	1340x530x1075	200
TS 03 L B	303	10.7	249	8.8	3.0	2.2	925	2	220	1590x530x1075	225
TS 05 L B	501	17.7	411	14.5	5.0	3.7	925	2	220	1590x570x1085	240
TS 07 L B	702	24.8	583	20.6	7.5	5.5	1050	2	220	1590x620x1110	270
TS 10 L B*	1002	35.4	852	30.1	10.0	7.5	750	3	220	1585x800x1275	350
TS 10 L B*	1002	35.4	852	30.1	10.0	7.5	750	3	420	1665x875x1420	410
TS 10 L B*	1002	35.4	852	30.1	10.0	7.5	750	3	500	1915x875x1420	420
TS 15 L B*	1538	54.3	1249	44.1	15.0	11.0	1150	3	500	1915x875x1420	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

## 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

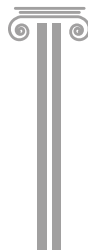
- Capacity : 250-1000 ltrs.
- Working pressure : 7-12.5 bar
- Code of construction: ASME sec. VIII Div.I or IS 2825

## AIR UP. UPTIME™



### 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.



### 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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