



# Single and Two-Stage Industrial Reciprocating Air Compressors

**ELGi**  
Always Better.

**UPTIME™**  
ASSURANCE



CIN: L29120TZ1960PLC000351

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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