

LB SERIES

Single and Two-Stage
Industrial Reciprocating
Air Compressors

Robust, Reliable and
Long Lasting

03 - 40 HP / 2.2 - 30 kW

ELGI[®]
Always Better.



Single and Two Stage Oil-lubricated, Belt Driven Reciprocating Compressor

Robust | Reliable | 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

Applications



General Manufacturing



Vehicle Service Centers



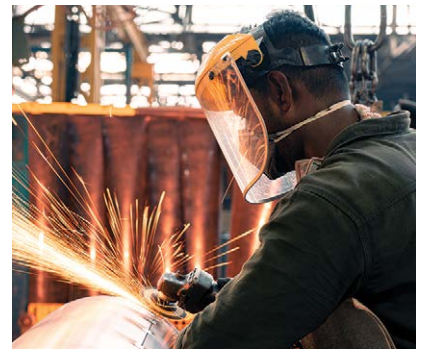
Cement Batching Plant



Food Processing



Wood Working



Machining

Features & Benefits

Cast Iron Block

Outperforms and outlasts aluminium block compressor

Pressure Switch With Unloader*

Easy starting and increased motor life

Air Receiver

Totally safe & 100% assured capacity as per international standards

Industrial Duty Rating

No stand-by compressor required

Totally Enclosed Belt Guard

Full protection against accidents

Testing as per IS 5456 Standards

Guaranteed output

Slow Running Speed

Low wear & tear

Inter Stage Pressure Relief Valve

Provides extra safety

Leak Proof Fittings

No compressed air leakage

*Feature available with select models only



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.

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

** TS25 LB-TS40 LB only





Technical Specifications

Model	Piston Displacement		Free Air Delivery		Max. Working Pressure	Motor Power		Compressor Speed	No. of Cylinders	Air Receiver	Dimensions L x B x H	Net Weight
	lpm	cfm	lpm	cfm		kgf/cm ² .g	hp					
Single Stage Compressors												
SS 03 LB	360	12.7	255	9	9	3	2.2	550	2	180	1340 x 535 x 1075	205
SS 05 LB	608	21.4	442	15.6	9	5	3.7	925	2	220	1590 x 535 x 1075	265
SS 07 LB	920	32.5	708	25	9	7.5	5.5	690	2	220	1590 x 625 x 1105	307
SS 10 LB	1229	43.4	949	33.5	9	10	7.5	920	2	220	1590 x 625 x 1105	322
SS 10 LB	1229	43.4	949	33.5	9	10	7.5	920	2	420	1650 x 750 x 1340	367
SS 15 LB	1860	65.7	1390	49.1	9	15	11	925	3	500	1915 x 875 x 1505	514
Two Stage Compressors												
TS 03 LB	303	10.7	249	8.8	12	3	2.2	925	2	180	1340 x 530 x 1075	200
TS 03 LB	303	10.7	249	8.8	12	3	2.2	925	2	220	1590 x 530 x 1075	225
TS 05 LB	501	17.7	411	14.5	12	5	3.7	925	2	220	1590 x 570 x 1085	240
TS 07 LB	702	24.8	583	20.6	12	7.5	5.5	1050	2	220	1590 x 620 x 1110	270
TS 07 LB	702	24.8	583	20.6	12	7.5	5.5	1050	2	500	1880 x 670 x 1260	375
TS 10 LB*	1002	35.4	852	30.1	12	10	7.5	750	3	220	1590 x 800 x 1275	350
TS 10 LB*	1002	35.4	852	30.1	12	10	7.5	750	3	500	1915 x 875 x 1420	420
TS 15 LB	1538	54.3	1249	44.1	12	15	11	1150	3	500	1915 x 875 x 1420	470
TS 15 LB*	1402	49.5	1090	38.5	15	15	11	1050	3	500	1915 x 875 x 1420	505

Note:

- Free air delivery measured as per IS5456 at working pressures for SS models at 7kg/cm² and for TS models at 10kg/cm²
- * Available in base mounted versions also.
- Due to continuous engineering improvements, technical specifications are subject to change without prior notice.

Model	Power		Working Pressure		Capacity		Type of Mounting
	hp	kW	kg/cm ₂	psi g	m ³ /hr	cfm	
TS 20 LB	20	15.0	7	99.56	125.56	73.96	Tank/Base
	20	15.0	10	142.23	116.94	68.83	Tank/Base
	20	15.0	12	170.68	109.79	64.62	Tank/Base
TS 25 LB	25	18.5	7	99.56	138.23	81.36	Base
	25	18.5	10	142.23	126.90	74.69	Base
	25	18.5	12	170.68	121.38	71.44	Base
TS 30 LB	30	22.0	7	99.56	177.17	104.28	Base
	30	22.0	10	142.23	160.84	94.67	Base
	30	22.0	12	170.68	151.98	89.45	Base
TS 40 LB	40	30	7	99.56	217.25	127.25	Base
	40	30	10	142.23	204.47	120.35	Base
	40	30	12	170.68	178.73	105.20	Base

Note:

- Free air delivery measured in accordance with IS 5456.
- Tank capacity for TS 20 LB is 500 liters.
- Due to continuous engineering improvements, specifications are subject to change. The pictures shown in this brochure are representative and may not reflect the entire range.

ELGi Airmate Accessories



Drain Valve
(Timer controlled and zero loss)



Oil Water Separator



Refrigeration Air Dryer



Moisture Separator



Filter



Air Receiver

Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems.

ELGi has consistently worked towards ensuring that its customers achieve their productivity goals while keeping the cost of ownership low. ELGi offers a complete range of compressed air

solutions from oil lubricated and oil free rotary screw compressors, oil lubricated and oil free reciprocating compressors and centrifugal compressors, to dryers, filters, and downstream accessories.

The company's portfolio of over 400 products has found wide application across industries.

60+

Years of Customer-Centric Innovation

2 Mn+

Installations Worldwide

120+

Countries and Counting



**DEMING PRIZE
2019**

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.

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Always Better.

