



LD Series Two - Stage Direct Drive Reciprocating Air Compressors

ELGi
Always Better.

UPTIME™
ASSURANCE



CIN: L29120T1960PLC000351

ELGi

ELGI EQUIPMENTS LIMITED

CORPORATE OFFICE: Trichy Road, Singanallur, Coimbatore - 641005.

T: +91-422-2589555, E: enquiry@elgi.com, W: www.elgi.com

Toll-free no: 1800-425-3544 | 1800-203-3544

(applicable only for India)

Distributed by



D61/SPSLEF7233/01/04/0000/2015/11/01/A
02CAT0010/R07

www.elgi.com

3 - 15 HP / 2.2 - 11 kW

Fitting all your needs



Reliable as ever



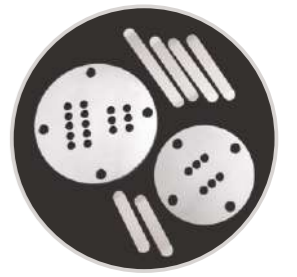
Safety and capacity ensured with ASME designed receiver tank



Assured longer life with cast iron and forged steel components



Starter and pressure switch of proven reliability over time



Maintenance free Stainless steel valve plates

Premium Features*



Maximum ambient 50°C/122°F



7% - more flow



Low noise level 70 - 75 dB(A)



9% lesser footprint



60% less oil change cost



25% reduced service cost



Grouting free installation**

*Avg. values across models
Values in comparison with conventional belt drive models
** Not available for TS07LD BM

The Direct Drive Advantage

Low operational speed using high efficient IE2 6 pole motor

Common cooling fan for energy efficiency and power saving

Optimized design of piston and rings for longer life

Larger Aluminium inter & after coolers aiding 44% more heat transfer area

Provision to run top block independently based on varied air demand -Demand based utilization

Unique integrated drive with compact top block design

AN EXQUISITE PRODUCT OFFERING

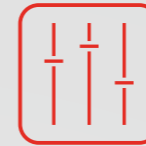
FROM THE PISTON COMPRESSOR RANGE OF ELGi

TS 10 HP and TS 15 HP Duplex Controller Version

with Proven Neuron XT Controller Adapted for Reciprocating Compressors



Compressor Modes



SINGLE CONTROL MODE

Choose to run only one top block / half the capacity



ENERGY OPTIMIZATION MODE

For varying demand, auto configures to half or full load utilisation



LOAD SHARING MODE

Use the machine at its full capacity

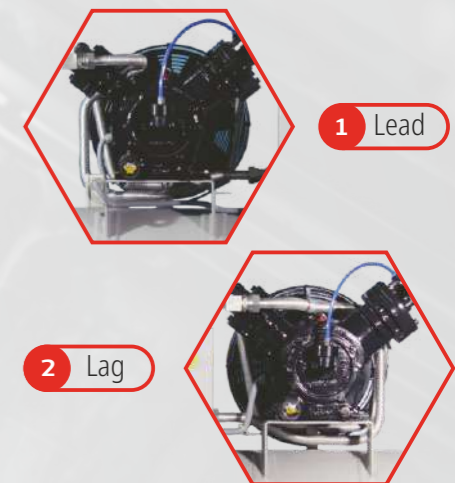
Alternating Function

Uniform load sharing for optimized maintenance - lead and lag swap at predefined intervals



Start Delay

Aids in reducing starting load reducing starting load - Avoids peak starting current with delay in start between compressors



ELGi Compressor Assistant



Reliability Upgraded

- Motor protection with restriction in number of motor starts in an hour
- Total system protection - Compressor trips when operating pressure exceeds



More Intelligent

- Auto restart after power resumes
- Alerts for part level maintenance schedule



Fault Detection System

Detects fault on

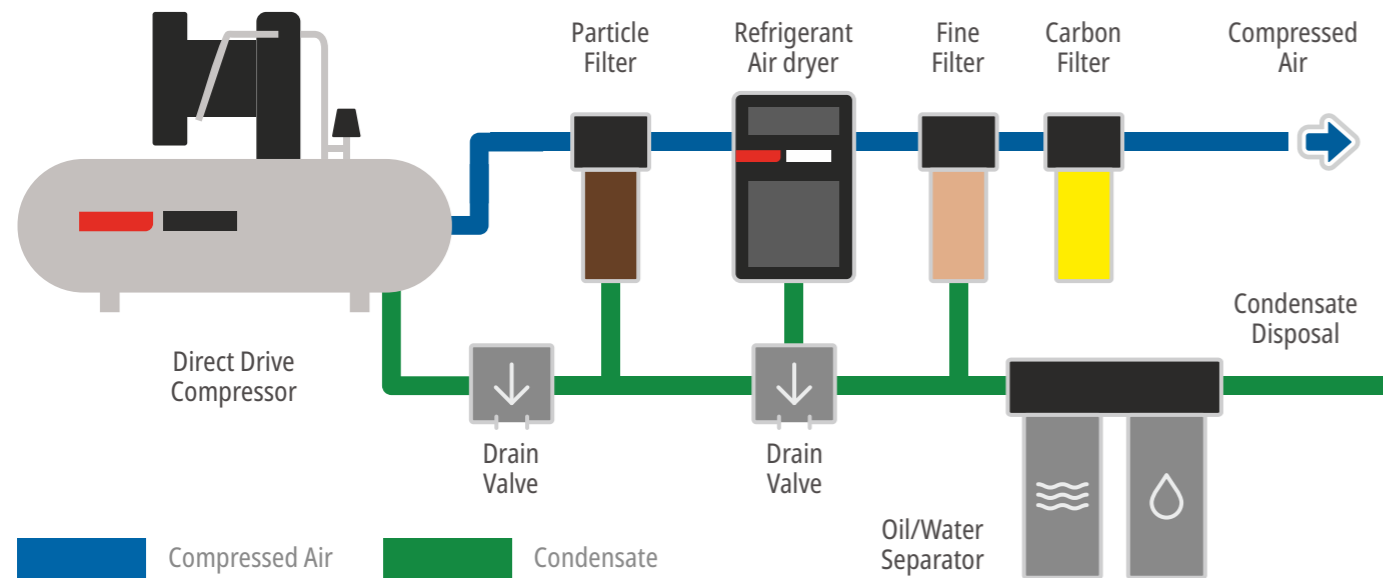
- Phase reversal
- Motor overload
- Pressure sensor probe failure
- Emergency switch fault alert

Technical Specification

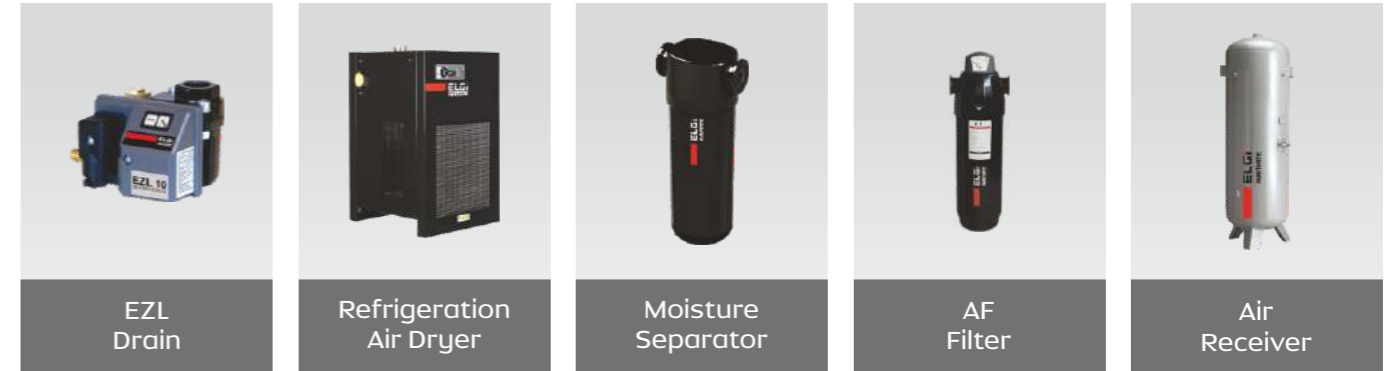
Model	Power		Comp. speed rpm	Maximum Working Pressure		Free air delivery		Dimensions in mm			Weight kg	Air receiver litre
	HP	kW		bar (g)	psi (g)	lpm	cfm	length	breadth	height		
Horizontal Tank Mounted												
TS 03 LD	3.0	2.2	960	12.0	175	261	9.2	1310	570	1020	160	160
TS 05 LD	5.0	3.7	960	12.0	175	439	15.5	1640	595	1045	190	220
TS 07 LD	7.5	5.5	960	12.0	175	680	24.0	1640	635	1110	255	220
TS 10 LD*	10.0	7.5	960	12.0	175	906	32.0	1915	635	1175	400	500
TS 15 LD*	15.0	11	960	12.0	175	1359	48.0	1911	782	1183	510	500
Vertical Tank Mounted												
TS 03 LD VAR	3.0	2.2	960	12.0	175	261	9.2	800	695	1240	168	160
TS 05 LD VAR	5.0	3.7	960	12.0	175	439	15.5	800	695	1430	193	220
TS 07 LD VAR	7.5	5.5	960	12.0	175	680	24.0	810	695	1460	235	220
Base Mounted												
TS 03 LD BM	3.0	2.2	960	12.0	175	261	9.2	997	626	585	123	N.A.
TS 05 LD BM	5.0	3.7	960	12.0	175	439	15.5	997	629	585	140	N.A.
TS 07 LD BM	7.5	5.5	960	12.0	175	680	24.0	885	620	590	180	N.A.

- Free air delivery measured in accordance with IS 5456 at a rated pressure of 10 kg/cm²
- Due to continuous engineering improvement, technical specifications are subject to change without prior notice.
- *Only available as duplex (10HP - 2 x 5HP and 15HP - 2 x 7.5HP) available in both manual and controller versions.

Typical Compressed air supply system



ELGi Airmate Accessories



Genuine Spares

For enhancing performance and productivity



Superior Sales and Service Support with our Largest Dealer Network

100+

Locations with service network in India

600+

Own and dealer service personnel in India

