



# Oil-Free Reciprocating Air Compressor

# ELGi

Always Better.

**UPTIME™**  
ASSURANCE



CIN: L29120TZ1960PLC000351

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

1 - 15 HP / 0.75 - 11 kW

# Oil-free reciprocating compressors

At ELGi, we are changing the way you look at the compressed air systems. It's no longer just about delivering air. It's about delivering UPTIME. From the way we design, manufacture and support our air compressors, every aspect of our business is built on keeping yours running: smoothly, efficiently and safely.

ELGi's Compressed Air System delivers clean, dry air with maximum reliability, energy efficiency and ease of maintenance to meet the increasing demands of today's Oil-free air requirements of industries

Elgi has adapted a dry crankcase that is totally devoid of oil. These new generation ELGi compressors significantly reduce operating costs and provide high quality Oil-free air that eliminates the usage of expensive downstream filters

ELGi offers single stage Oil-free compressors to its customers who need small quantities of oil-free air to work with their sophisticated equipment like dental chairs, laboratory and process equipment to name a few. While for critical Medical air and industrial oil free air needs, we offer two stage oil free compressors. Select models are offered with desiccant driers for applications that demand low pressure dew points.



## Applications

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



Cylinders specially coated for wear and corrosion resistance



PTFE coated pistons and PTFE rings



Stainless Steel reed valves



Single piece crankshaft



Flanged aluminium aftercooler



Delivery unloader



## Technical Specification

Model	Motor Power		Compressor speed rpm	Free Air Delivery		Dimensions (LxBxH) mm	Cylinder	Net Weight kg	Air receiver Litres
	HP	kW		cfm	lpm				
TS 05 OF B	5.0	3.7	700	20.1	569	1645 x 545 x 1080	2	210	220
TS 07 OF B	7.5	5.5	1030	29.3	830	1645 x 575 x 1080	2	230	220
TS 10 OF B*	10.0	7.5	780	44.5	1260	1650 x 880 x 1315	3	400	420
TS 15 OF B*	15.0	11.0	1040	59.3	1679	1650 x 880 x 1315	3	460	420

### Note:

- Maximum operating pressure is 10 bar
- Free air delivery measured in accordance with IS 5456
- \* BM - Base mounted option available



# Single stage direct drive Oil-free reciprocating air compressors

## Key Product Features

- Plug and play system
- Portable
- Unique suction through crank case design
- Rocking piston arrangement for low vibration
- Motor provided with in-built overload protection
- Internally coated air receiver for corrosion resistance
- Models offered with and without desiccant driers
- 4 HP models are twin systems (2x2HP versions) with an in-built delay timer to switch on the second unit after a few seconds from the start of the first unit
- Product available in 45L and 100L variants



## Applications



Dental



Fermenters

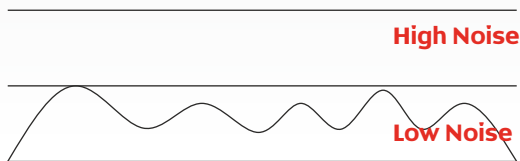


Gas, Liquid & Ion Chromatography



Food Processing

## Noise Level of Only - 63dB(A)!



## Technical Specification

Model	Motor Power		Tank Capacity	Piston Displacement		Free Air Delivery		Maximum Pressure		Compressor Speed	No. of Cylinder	Voltage	Dimension	Weight	Model with Dryer
	kW	HP	Litres	lpm	cfm	lpm	cfm	bar(g)	psi	rpm	n°	Volt/Ph	(LXBxH) mm	Kg	(Y/N)
SS 01 OF D	0.75	1	45	92	3.25	50	1.77	8	116	1450	1	230/1	790 x 355 x 700	38	N
SS 02 OF D	1.5	2	45	201	7.10	150	5.30	8	116	1450	2	230/1	830 x 535 x 680	60	Y
SS 02 OF D	1.5	2	45	201	7.10	150	5.30	8	116	1450	2	230/1	830 x 355 x 705	50	N
SS 04 OF D*	1.5+1.5	2+2	100	402	14.20	300	10.60	8	116	1450	2+2	230/1	1220 x 610 x 790	200	Y
SS 04 OF D*	1.5+1.5	2+2	100	402	14.20	300	10.60	8	116	1450	2+2	230/1	1220 x 480 x 790	150	N

### Notes

Best suited for duty cycle of 3 minutes on and 7 minutes off in an operating cycle of 10 minutes

\* Each unit has 2 compressor pumps and 2 driers

Free air delivery measured by tank filling method

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

Elgi compressors are not designed/approved for breathing air applications. Elgi Equipments Limited assumes no responsibility or liability for compressors used for breathing air usage

# 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

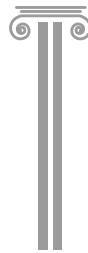
### Timer controlled and zero loss

- 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

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.



### 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

# ELGi

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