

ELGI™



10-15 HP



Oil-Free Reciprocating Air Compressor

Not Just oil-free air

UPTIME™
ASSURANCE

Oil-free reciprocating compressors



The two stage oil-free reciprocating compressors are Elgi's solutions to the increasing need by industries and research institutions for higher purity in compressed air applications.

"No oil in compressor is equal to no oil in output air from the compressor" Elgi oil-free compressors are engineered on this principle. Elgi has adapted a dry crankcase that is totally devoid of oil. The internal moving and friction parts of the compressor have been designed suitably to overcome the absence of lubricating oil. Sealed bearings have been used for crankshaft and connecting rods. Poly Tetra Fluoro Ethylene (PTFE) coated pistons and PTFE rings have been used to provide wear resistance.

Designed for industrial duty, the compressor is a perfect solution for applications where oil carried in air can affect the end product or downstream components through which air flows after the compressor. To the customer this means less expenditure on maintenance – elimination of expensive oil removal filters, frequent stoppages for oil top and oil fills in the crankcase.



Applications:

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





Cylinder and cylinder head

- deep finned cylinders for efficient heat dissipation
- cylinder walls are specially coated for wear and corrosion resistance
- polished bore and smooth finish of the cylinders provide longer wear life of the piston rings



PTFE coated pistons and PTFE rings

ensure longer wear life and gas tight sealing



Stainless Steel reed valves

for corrosion resistance



Single piece crankshaft

robust and easy to assemble



Flanged aluminium aftercooler

from high pressure cylinder for efficient cooling



Delivery unloader

for automatic unloading of the compressed air in the delivery pipelines



Twin sided belt guard

meeting OSHA standards

Rust proof internal coating

for air receiver

Model	Piston displacement		Free air delivery*		Motor power		AIR	Dimensions (LxBxH)	Net Weight
	lpm	cfm	lpm	cfm	HP	kW	litres		
TS 10 OF 420	1260	45	963	34	10	7.5	420	1650 x 880 x 1315	400
TS 10 OF BM	1260	45	963	34	10	7.5	-	1545 x 675 x 830	220
TS 15 OF 420	1679	59	1274	45	15	11	420	1650 x 880 x 1315	460
TS 15 OF BM	1679	59	1274	45	15	11	-	1545 x 675 x 830	280

* Maximum operating pressure is 10 bar

* Unit performance measured as per ISO 1217 Edition 3, Annexe C

Accessories

Elgi's comprehensive range of air accessories provides you with the clean, dry air you need to extend the life of your equipment and ensure the quality of your end product



Accessories	Model	Flow	End connection	Dimensions(LXBXH)	Weight
		cfm	inch	mm	kg
Heatless drier	ELD 45	40	1/2" BSP	1035 x 320 x 260	34
	ELD 60	60	3/4" BSP	1035 x 320 x 260	16
Refrigerant drier	ELRD 40	40	1/2" BSP	360 x 475 x 570	47
	ELRD 64	64	1" BSP	500 x 600 x 730	84



AIR UP.

UPTIME™ comes standard on every ELGi Compressor

Filter type	Capacity @7bar line pressure		In/Out Conn.	Dimension mm				Weight kg
	Nominal m ³ /hr	Max. cfm		Height	Width	Conn. Height	Clearance	
PF 36 ECO	61	36	3/8"	315	80	215	90	1.3
PF 65 ECO	90	6	5/8"	315	80	215	120	1.5



DESIGN

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.



COMPONENTS

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. From our proprietary air ends, to our use of leak-free hoses and piping.



ASSURANCE

UPTIME Assurance

Here is where we back our pledge, with industry-leading warranties, parts availability, loaner machines and call centers staffed by experts.

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