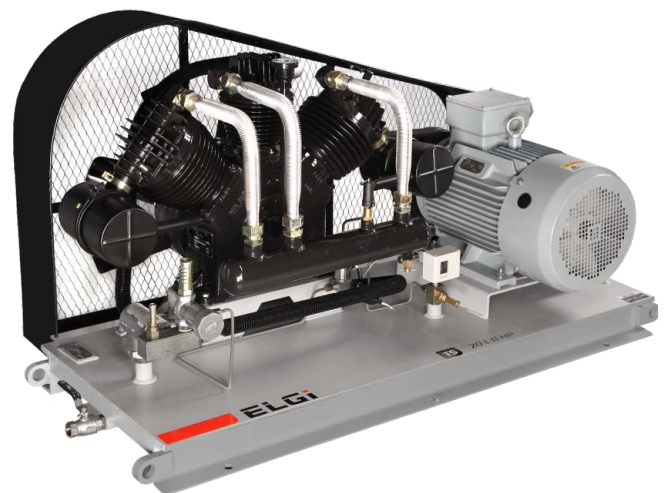




ELGi's High Pressure Reciprocating Air Compressors

ELGi
Always Better.



CIN: L29120TZ1960PLC000351

www.elgi.com

3 - 20 HP / 2.2 - 15 kW



A Tradition of Reliability

ELGi, established in 1960, designs and manufactures a wide range of air compressors. The company has gained its reputation for design and manufacture of screw compressors through strategic partnerships and continuous research and development. Over the years, it has emerged as a multi-product, multi-market enterprise providing total compressed air solutions in all segments. ELGi's design capabilities translated into a wide range of products ranging from oil-lubricated and oil-free rotary screw compressors, reciprocating compressors and centrifugal compressors. ELGi has its own manufacturing operations in India, Italy and USA with subsidiaries in Australia, Brazil, UAE and Indonesia. The company is fast expanding its global footprint attracting distributors and customers with its latest generation products.



Robust Infrastructure

ELGi is one of the few companies in the world capable of designing, manufacturing air ends and compressor packages. The ELGi range of air compressors is one of the widest in the world. We manufacture reciprocating air compressors, rotary screw air compressors, oil-flooded, oil-free and centrifugal air compressors, and precision engineered components. Screw compression elements are manufactured in-house using state-of-the-art machining centers for rotor grinding and machining intrinsic castings of various sizes.



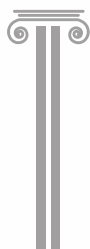
Innovative Technology

True to the leadership position it aspires, ELGi has through the decades maintained a technological edge in the air compressor market with incremental and breakthrough innovation, through incorporation of latest technologies in its products. ELGi is known in the industry for providing custom-engineered solutions to meet our clients' needs. The company collaborates with clients to understand their changing needs and designs solutions accordingly. Long-term partnering has been our key differentiating factor.



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



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.

PET Exclusive High Pressure Reciprocating Compressor

ELGi's exclusive PET compressor range is ideally suited for PET blowing application which operate with one or more PET blowing machines. These compressors are specifically designed to meet the requirements of the PET industry and offers a low cost of ownership and very high UPTIME.

The compressors are designed for operator and plant safety with OSHA standards with twin sided belt guard, sealed safety valves as the compressors operate at higher pressures. ELGi offers these compressors with a host of ELGi 'Airmate' downstream accessories such as Pre and after filters, oil and moisture separators, refrigerant dryers and vertical air receivers designed to ASME standards

Choose from ELGi's wide range of high pressure compressors which are designed to precisely meet your high pressure Air demands. ELGi's high pressure compressors are used widely in different applications such as PET blowing, Plastic and Packaging Industry, Gen-set starting, Circuit breaking, Power plants and Testing labs.

The ELGi Advantage

Aluminium pistons with piston rings

to ensure lower wear and tear and lower oil carry over into the compression chamber. They also protect the piston from any wear and tear during extreme operating conditions

Cast iron cylinders and cylinder heads

with deep grooved cooling fins ensure best possible heat transfer and keeps the compression system relatively cool

Strong and robust crank case is made of high grade cast iron. splash lubrication system ensures proper circulation of oil to all parts of the rotating system.

Precise and sophisticated suction valves with unloader and delivery valves of the best quality ensure long life of the compression system



1. Top Block

Robust 3 stage high pressure block for the best efficiency

2. Suction Filter

Heavy duty air filter with enhanced life

3. Electric Motor

Heavy duty, TEFC, CE Certified, designed for 50°C ambient with IP55 protection & Class F insulation

4. Delivery Un-loader

Solenoid controlled automatic bleeding of compressed air to ensure smooth starting

5. Starter

Dual operation mode (Load/un-load and on/off) at a single touch

6. Inter & After Coolers

Robust air cooled inter stage and after stage copper coolers

7. V-Belts

Double poly V belts with low transmission loss

8. Safety Valves

4 safety valves for enhanced safety

9. Suction Unloaders

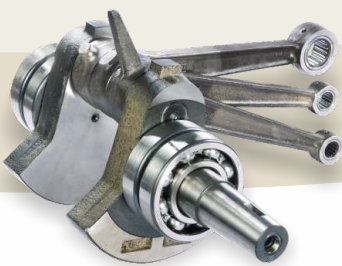
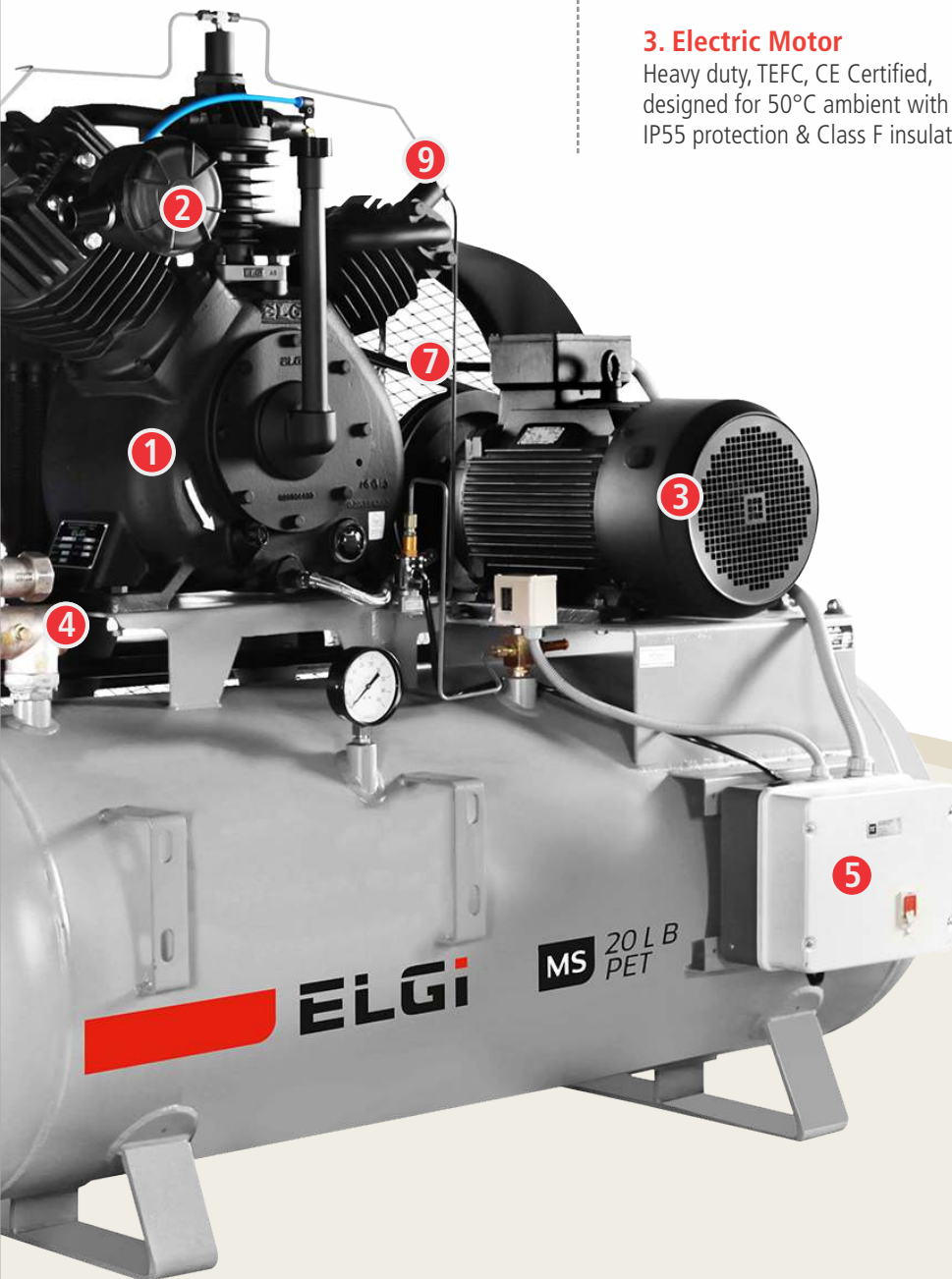
Runs the compressor in un-load mode when there is no demand

10. Belt Guard

Close mesh belt guard to prevent accidental injury to the operator as per international safety norms

11. Air Receiver

500 Lts high pressure receiver designed as per ASME standards



High quality ball bearings and roller bearings made by manufacturers of international reputation ensures optimum load transfer and transmission without causing any un-even wear



3 piece forged crank shaft and forged connecting rods

with a high mechanical life offers even throw and makes the compression system run smooth without any unwanted vibration.

Technical Specification :

ELGi PET High Pressure Reciprocating Air Compressor

Model	Motor Power		Free Air Delivery		Maximum Working Pressure		Dimensions (mm)			Weight*	Tank**	
	50Hz	kW	HP	m ³ /hr	cfm	bar g	psi	Length	Breadth	Height	Kg	Ltrs.
TS 15 L B PET	11.0	15.0		51.0	30	30	435	1980	865	1405	735	500
MS 20 L B PET	15.0	20.0		91.8	54	25	363	2028	989	1602	926	500
TS 20 L B PET	15.0	20.0		65.4	39	33	479	1978	843	1455	760	500
TS 20 L B PET	15.0	20.0		65.4	39	33	479	1463	775	895	396	BM
TS 20 L B PET*	15.0	20.0		64.8	38	33	479	1980	865	1405	780	500
MS 20 L B PET	15.0	20.0		63.0	37	40	580	1450	845	949	525	BM

Note:

- * Water Cooled.
- ** Mounted on a horizontal air receiver.
- Free air delivery in accordance with IS5456

BM - Base Mounted

Technical Specification :

High Pressure & Super Pressure Reciprocating Air Compressor

Model	Motor Power		Free Air Delivery		Maximum Working Pressure		Dimensions (mm)			Weight*	Type of Mounting
	50Hz	kW	HP	m ³ /hr	cfm	bar g	psi g	Length	Breadth	Height	Kg

High Pressure

TS 03 L B HP	2.2	3.0		6.00	3.53	30	435	1270	515	650	132	BM
TS 05 L B HP	3.7	5.0		12.35	7.27	30	435	1270	515	650	142	BM
TS 07 L B HP	5.5	7.5		19.56	11.51	30	435	1440	600	695	248	BM
TS 10 L B HP	7.5	10.0		25.21	14.84	30	435	1470	630	725	250	BM
TS 15 L B HP	11.0	15.0		50.97	30.00	30	435	1550	740	825	375	BM
TS 20 L B HP	15.0	20.0		67.96	40.00	30	435	1725	810	830	396	BM

Super Pressure

MS 10 L B SP	7.5	10.0		35.94	21.20	35	508	1820	790	1030	430	BM
MS 15 L B SP	11.0	15.0		42.00	24.72	35	508	1820	790	1030	483	BM
MS 20 L B SP	15.0	20.0		56.88	33.50	40	580	1820	790	1030	503	BM
MS 20 L B SP	15.0	20.0		48.00	28.26	60	870	1820	790	1030	503	BM

Note:

- * Weight only for the compressor package (Without Packing)
- Free air delivery in accordance with IS5456
- Due to continuous improvements, specifications are subject to change.
- The pictures shown in this brochure are representative and not the entire range.

BM - Base Mounted

ELGi PET and High Pressure Applications:



Pet Blowing



Genset Starting



Thermal Power Projects



Circuit Breaking



Plastic and Packaging industry

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



Refrigeration Air Dryer

- Capacity : 20 - 80 cfm
- Max. pressure: 35 - 60 bar g



Moisture Separator

- Capacity : 20 - 80 cfm
- Max. pressure : 35 - 60 bar g



Air Receiver

- Capacity : 1000 Litres
- Max. pressure : 60 bar g

Downstream filter



Particulate Filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

Oil Removal Filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

After filter

- Capacity : 20 - 60 cfm
- Max. pressure : 42 - 60 bar g

ELGi

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