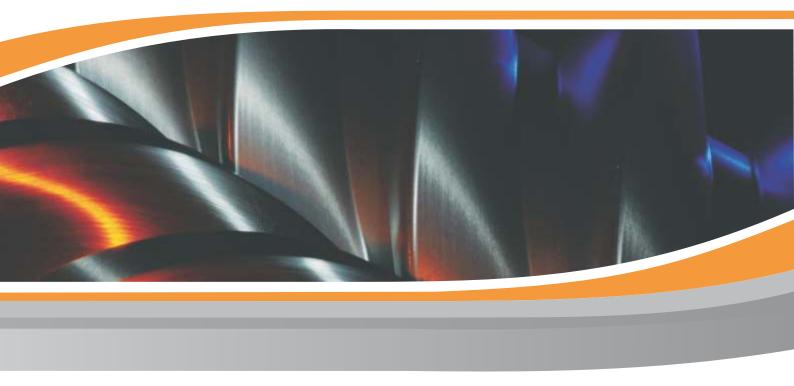


Horizon Series Screw Air Compressors

Built to last



Single Stage: 90-250 kW





customers with its latest generation products.

innovative **TECHNOLOGY**

Screw compressor elements are manufactured in-house using state-of-the-art machining centres for rotor grinding and machining castings of various sizes. Elgi's own eta-V profile rotors ensure energy-efficient compressed air supply for all demanding applications. Elgi is one of the few companies capable of manufacturing wide range of air ends and compressor packages in the world. Elgi's patent portfolio is a testament to the company's continuous research and innovation capability.



manufacturing operations in China, France, India and Italy with subsidiaries in Australia, Brazil, UAE and USA. The company is fast expanding its global footprint attracting distributors and





robust INFRASTRUCTURE

Elgi has modern manufacturing facilities in equipped with advanced high precision grinding machines, turning centres and CNC horizontal and vertical machining centres. Screw airends are manufactured with the latest rotor grinding technology, coupled with measurement technology to maintain precise manufacturing tolerances. Elgi's manufacturing plants are both ISO and EOHS certified. The products are manufactured under controlled environment to ensure that its quality continues to meet the highest standards.

Single-Stage Screw Air Compressors

90 - 250 kW | 16.7 - 43.9 m³/min



By exploring customer needs and applications, Elgi develops customer engineered products- products which in turn help the customer build better end-products, boost performance and command better markets. The Horizon range of products is one among them. The Horizon range of Single-Stage screw compressors are offered with advanced features that ensure high levels of reliability, efficiency and economy. Build and tested to Elgi's robust manufacturing standards, the compressors are designed to perform in the most demanding conditions.

Energy efficient

Unique eta-V profile rotors for maximum air flow and minimum power consumption



Efficient coupling

Airend and motor shafts are coupled through a permanently aligned cushion type claw coupling. Elgi's efficient coupling ensures efficient power transmission and constant FAD throughout the life



Efficient air oil separation with OSBIC

Elgi has perfected the "OSBIC" (Oil Separation by Impact and Centrifugal Action) process which enables efficient separation of air and oil with minimum pressure drop. The process results in low oil carry-over (< 2 ppm) level at the output of the compressor



Microcontroller edge



Elgi's Neuron II is a high end RISC microcontroller for control of medium to large screw air compressors. The system allows you to monitor and control overall system performance with service indications, malfunction alarms and safety shutdowns. It also includes a service and operational history feature to provide real-time feedback and increases system productivity

Reports

- Cumulative Report(Run Hours, Load Hours, Unload Hours, Stop Hours, Fault Hours and remaining AFCT, OFCT, OSCT, OCT and RGT)
- Detailed Report Previous 30 Days (Load Hours, Unload Hours, Stop Hours, Fault Hours, and Number of times machine stopped due to standby)
- Fault Report (Previous 99 Faults in chronological Order with Real Time stamping and type of fault)



Remote monitoring

- DCS (MODBUS RTU/RS 485): Controller is enabled to synchronize with Distributed Control System control of compressor from control panel of customer
- SCADA: Compressor control through PC with remote monitoring by Supervisory Control and Data Acquisition Process

Single-Stage Screw Air Compressor Range - Standard Pressure Model Working Pressure Air Outlet Connection 50 Hz Weight kW bar g m³/min cfm Kg Dimension LXBXH (mm): Air-cooled models - 2745 x 1620 x 2020mm Water-cooled models - 2745 x 1620 x 1900mm E90-8 90 17.0 602 3200 2 1/2" NPT 90 570 3200 E90-9 8 16.1 2 1/2" NPT E90-11 90 10 14.0 493 3200 2 1/2" NPT 20.0 706 3300 2 1/2" NPT E110-8 110 2 1/2" NPT E110-9 110 8 19.1 667 3300 10 598 3300 2 1/2" NPT E110-11 110 16.9 3500 E132-8 132 24.2 855 2 1/2" NPT 8 22.8 806 3500 E132-9 132 2 1/2" NPT E132-11 132 10 20.1 710 3500 2 1/2" NPT 160 1003 3600 2 1/2" NPT E160-8 28.4 2 1/2" NPT E160-9 160 8 26.1 923 3600 E160-11 160 10 23.3 3600 2 1/2" NPT Dimension LXBXH(mm): 4100 x 2100 x 2050 mm 200 5500 3" NPT E200-8 38.2 1350 3" NPT E200-9 200 8 34.5 1218 5500 3" NPT E200-10.5 200 9.5 31.1 1100 5500 E200-13.5 12.5 25.8 910 5500 3" NPT 200 5600 3" NPT E250-8 250 45.3 1600 E250-9 8 41.8 1475 5600 3" NPT 250 3" NPT E250-10.5 250 9.5 37.4 1320 5600 E250-13.5 250 12.5 31.1 1100 5600 3" NPT

Single-Stage Screw Air Compressor Range - Low Pressure

Model	Rated Power	Working Pressure	FAD		Weight	Air Outlet Connection	
	kW	bar g	m³/min	cfm	Kg	A/C	W/C
E90-5.5	90	4.5	17.2	608	3100	2 ½" NPT	3" NPT
E110-5.5	110	4.5	20.1	699	3150	2 ½" NPT	3" NPT
E132-5.5	132	4.5	24.4	860	3300	2 ½" NPT	3" NPT
E160-5.5	160	4.5	30.3	1070	3600	2 ½" NPT	3" NPT
E200-5.5	200	4.5	36.9	1304	5500	3" NPT	3" NPT
E250-5.5	250	4.5	45.6	1612	5600	3" NPT	3" NPT

Dimension LXBXH(mm): E90-160 Air-cooled models - 2745 x 1620 x 2020mm E90-160 Water-cooled models - 2745 x 1620 x 1900mm E200-250 Air-cooled & Water-cooled models - 3410 x 1920 x1900mm

Air Treatment Accessories



Refrigeration Air Dryer

Capacity: 1-90 m³/min Working pressure: 7 - 13 bar g Dew point: +3 ° C PDP



Airmate Filter

Capacity: 1 - 90 m³/min Working pressure: 7-13 bar g Filtration Range: 1 - 0.003 microns



Air Receiver

Capacity: 0.3 - 20m³ Working pressure: 7 - 13 bar g

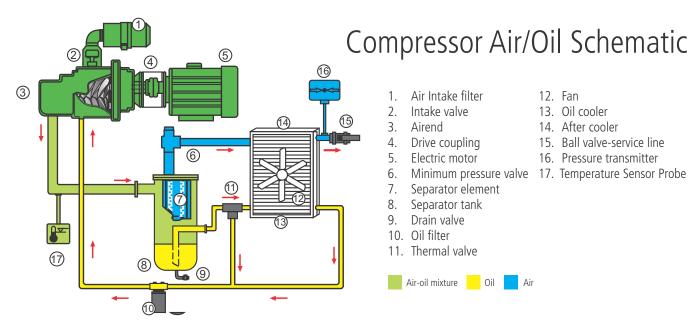
Energy Saving Solution

Variable Frequency Drive

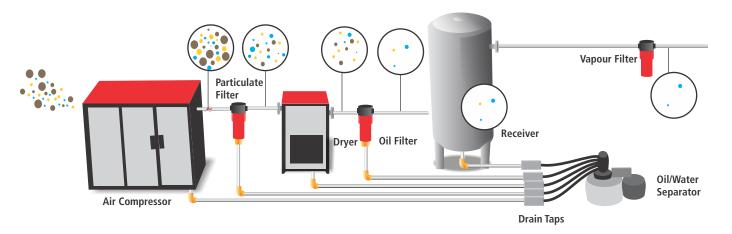
Capacity: 11-250 kW Standalone ready to use package

Automatic Supply Side Controller

- 2 12 compressors integration
- Multi-compressor control upto12 compressors



Typical Compressed Air Supply system



global **REACH**

Elgi serves the world marketplace. Over two million compressors are powering business in 63 countries worldwide. The company offers a strong sales and service network with a well-knit distribution network of more than 250 dealers worldwide. Elgi has its own manufacturing facilities in China, France, India and Italy. Additionally, Elgi has warehouse operations to stock units and parts in Australia, Brazil, UAE and USA.



ELG

Elgi Equipments Ltd.

Singanallur, Coimbatore-641005, India. Tel: +91-422-2589555 Fax: +91-422-2573697 International Division Fax: +91-422-2589401 E-mail: enquiry@elgi.com Web: www.elgi.com

Manufacturing locations: China, France, India, Italy

Subsidiaries and offices: Australia, Bangladesh, Brazil, China, France, Indonesia, Italy, Srilanka, Thailand, UAE, USA







