Encapsulated Lubricated Rotary Screw Air Compressors

Always Better.

High Reliability For Small Spaces 3-15kW | 4-20HP



Compact | Reliable | Quiet

# We are constantly evolving to suit the needs of our customers.

For more than 60 years, ELGi has built world-class compressors to address specific industrial needs. ELGi's EN Series is compact, reliable, and quiet. It offers various features for industries where size, reliability, and cost matter.

ELGi's EN Series screw air compressors are designed to encapsulate all functional components and the compressor within one common housing. With their small footprint, high reliability, and low maintenance requirements, the EN Series compressors are ideal for small and medium scale industries such as food packaging, sorting, garages, machining, and fabrication workshops.

#### **Applications**



Car Wash



**General Manufacturing** 



**Automotive Service Station** 



**Packaging** 



**Wood Working** 



Metal Working



High Reliability for Small Spaces



Compact and Elegant Design

Best-in-Class Reliability Industry Leading Warranty Encapsulated Airend

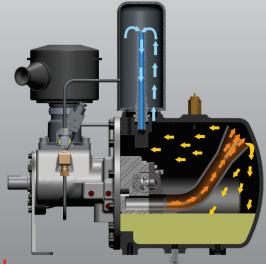
**Features and Benefits** 

# Energy Efficiency through Encapsulated Components

The EN series is compact and offers a space-saving design powered by ELGi's energy-efficient η-V profile, with low possibility of leaks due to integrated components and connections.

In addition, the unique machine supports the user by saving energy, minimizing operational pressure drops, saving space and operating quietly.





#### **Highly Efficient Air-Oil Separation**

The air-oil separation by impact and deceleration action involves three stages for efficient air-oil separation with (<3ppm)

#### Stage 1

Impact of air-oil mixture on the tank's circumferential area.

#### Stage 2

Deceleration action of air-oil mixture to remove oil particles.

#### Stage 3

Air with minor traces of oil enters the spin on separator.

#### The Ideal Compressor for Industrial Applications where Size and Cost Matter.



#### **EN Series**

- **Great Value**
- Robust Design for Great Reliability
- Flexible Configurations
- **Quiet Operation**
- Service Friendly



#### **Industrial Duty Motor**

- **TEFC for Severe Duty**
- **Maximizes Productivity**
- Highly Efficient Saves Energy
- Suitable for Higher Temperature Environments
- Robust Design Increases Reliability

#### **Neuron XT Controller**

Custom Designed and Efficient Control Solution

#### **Increase System Productivity**

The Neuron XT controller is a custom-designed and efficient control solution that allows users to monitor and control overall performance with easy-to-use service indications, malfunction alarms, and safety shutdowns. Built-in with service protect modules, the controller includes service and operational log features to provide real-time feedback and increase system productivity.



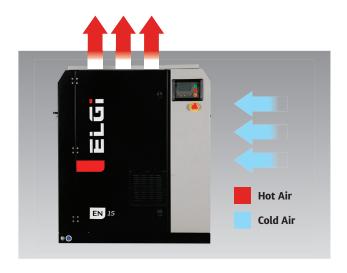
Remote start/stop ability | MODBUS communications for DCS control through RS485 port | In-built phase loss and phase reversal protection

# Ingeniously Constructed for Higher Reliability.



#### **Ease of Maintenance**

- Single Service Door Access for Routine Maintenance Parts
- Spin-On Oil Filter and Separator
- 10,000 Hour Belt Life



# Robust Cooling System for High Ambient Temperatures

The EN compressor is built for high ambient temperatures up to  $115^{\circ}$  F.

Standard after cooler offers:

- Easy Ducting
- Thermal Expansion without Cracking
- Low Energy
- High Reliability

#### Compact Design, Reliable Performance and Significant Savings



#### **Low Cost of Maintenance**

The EN series has a slow-running airend with fewer parts and connections than any other compressor in its class, which ensures minimal maintenance.



#### **Flexible Configurations**

- · Tank Mounted or Base Mounted
- Duplex (two compressors on one tank)
- Mounted refrigerated or desiccant dryer
- Various PSI and voltage configurations available
- Fixed speed or variable speed



#### **Global Safety Standards**

The robustly built EN Series compressors meet all global safety standards, including CE.



#### **Best-in-Class Warranty**

- 6-year airend warranty
- 5-year package warranty
- No service contract required
- · Ensures peace of mind
- \* Terms and Conditions Apply



#### **Low Noise Levels**

Low noise level contributes to a safe working environment.



#### **Improved Compressor Life**

- Clean suction air keeps internal components clean
- · Increases cooling efficiency
- · Extends compressor life



#### **Technical Specifications - 60Hz Fixed Speed**

Model	Rated Power		Working Pressure	Maximum Pressure	Free Air Delivered	Weight*	Sound Level	Tank**
60 Hz	kW	HP	psi g	psi g	cfm	(lbs)	(dbA)	gal
		L	ength: 24.2 Wic	dth: 28.1 , Height	: 33.3 (in inches	5)		
EN 03	3.0	4.0	125	128	13.5	352	61	60
EN US			150	153	13.1			
	4.0	5.0	100	104	21.7	352	64	60
EN 04			125	129	19.3			
			150	154	17.2			
			175	179	15.4			
EN 05	5.5	7.5	100	104	29.9	402	64	60
			125	129	26.5			
			150	154	24.2			
			175	179	21.0			
			Length: 34.4 W	idth: 31.5 Height	: 39.7 (in inches)			
	7.5	10.0	100	104	42.5	573	66	120
EN 07			125	129	38.5			
			150	154	34			
			175	179	30			
	11.0	15.0	100	104	64	617	67	120
EN 11			125	129	55			
			150	154	51.5			
			175	179	45			
	15.0	20.0	100	104	81.5	683	68	120
EN 15			125	129	68			
			150	154	61.5			
			175	179	58			

<sup>\*</sup>Applicable only for select countries. To know more, please reach out to your nearest ELGi Sales Office or ELGi Channel Partner.

- Free Air Delivery (FAD) is tested as per ISO 1217 : 2009 Annex. C Ed. 3.
   Sound level measured as per ISO 2151, Second Edition at 1 m distance in field conditions,+/-3dB(A).
- 3. Weight and dimensions are for the base mount units.
- 4. Due to continuous engineering improvements, the specifications are subject to change without prior notice.
- 5. Compressors rated for 175 psi g working pressure available on request.
- 6. Compressor and dryer mounted on a horizontal receiver tank available as an option (for models up to EN15).
- 7. Weight and dimensions for tank mounted units available upon request.

#### **Compressed Air Supply System**



#### **OPTIONS**

- Base Mounted
- · Simplex (one unit on a tank)
- Duplex (two units on a tank)
- Complete Air System: Mounted Refrigerated Dryer with Filters
- Complete Air System: Mounted Desiccant Dryer with Filters
- Dryer Bypasses
- · Zero Loss Drain
- VFD (7 kW 15 kW / 10 HP 20 HP)
- 100, 125, 150, 175 psi
- Food Grade Lubricant

# **AFTER SALES AND SERVICE**

#### PROMPT AND QUICK SERVICE SUPPORT

ELGi has a wide service network across North America readily available to help with installation and service.

To find the nearest provider visit https://www.elgi.com/us/distributors/





#### **Genuine Spares and Service**

Genuine service and regular service helps avoid unexpected compressor failures and the risk of subsequent damage to other vital compressor components.

ELGi spare parts are designed, manufactured, and checked for quality to meet the standards of a new ELGi compressor. ELGi consistently focuses on improving spare parts to provide customers with the best results.



#### **ELGi Air Audit**

The ELGi air audit program helps improve compressors' performance by identifying the areas of wastage in the system. ELGi air audit services are offered for generation, distribution, and demand-side systems.

#### **ELGi Airmate Accessories**



Drain Valve
(Timer controlled and zero loss)









**Compressed Air Dryer** 



**UPTIME MANAGER** 

# Service

# WE SUPPORT YOU FOR ALL YOUR EQUIPMENT NEEDS!

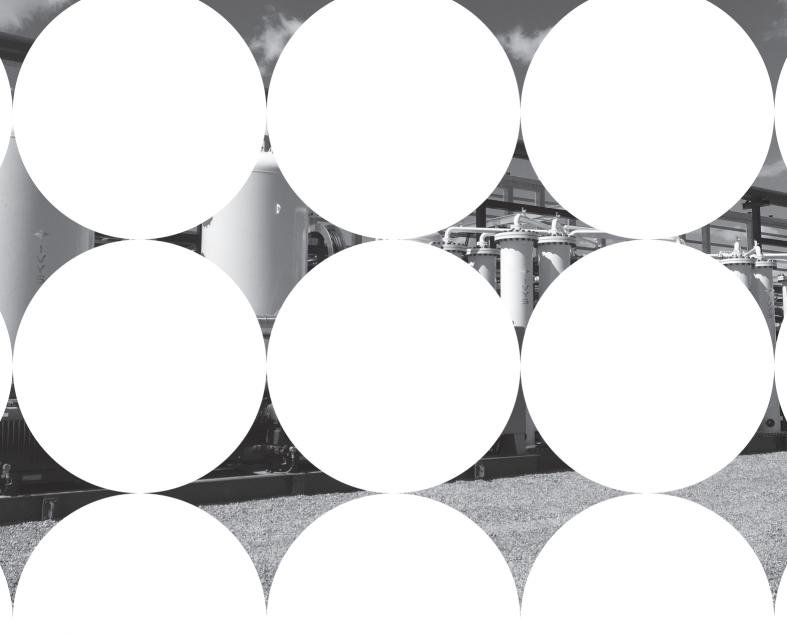
Ivys is committed to providing you with top-quality services and a complete range of replacement parts, and spares for your compressed air and gas equipment of all makes and models.

- → Fully certified technicians on call
- Onsite commissioning
- Preventative maintenance
- Servicing and upgrading
- ♦ Replacements and spares for all makes and models

#### **AFTERMARKET SERVICES**

- → Custom Service/Maintenance Contracts
- ♦ Desiccants
- → Parts Filters, Separators, Elements, Drains, Hygrometers, Probes
- → Training Workshops, Webinars, Certification







ivysads.com

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