

# EG PM VFD SERIES

**Oil-injected Rotary Screw Air Compressors**

**11 - 45 kW | 15 - 60 hp**  
**7 - 12.5 bar | 100 - 175 psi**  
**2.12- 8.78 m<sup>3</sup>/min | 75 - 310 cfm**



## A GENERATIONAL SHIFT IN EFFICIENCY



### LUBRICATED ROTARY SCREW AIR COMPRESSORS POWERED BY IE5+ PERMANENT MAGNET SYNCHRONOUS MOTOR

Industries worldwide are under increasing pressure to reduce their carbon footprint and uphold heightened environmental responsibility.

Many compressors do not run at more than 80% load. A traditional VFD machine will help save in this scenario.

Still, the challenge has been to cater to loads greater than 80% while also improving upon the conventional VFD machines' savings when running below 80% loads.

**This series is designed to provide the best-in-class life cycle cost, ensuring enhanced performance and unmatched**

**energy efficiency even at 100% load conditions, guaranteeing significant savings.**

With a range of intelligent features, the EG PM VFD series signifies a generational shift, positioning itself as the Premium Flagship Machine in the Air Compressor Industry.



**The EG PM VFD series ensures the best-in-class life cycle cost, encompassing power, maintenance, and capital costs. Contributing to environmental responsibility, the series efficiently reduces power consumption, resulting in a noticeable decrease in carbon footprint.**

The **EG PM VFD SERIES** is unique with its offerings that set it apart as the premium flagship machine in the air compressor industry.

## FEATURES AND BENEFITS



### IE5+ ELGi TORQ™ Motor

Achieving best-in-class efficiency, the series combines an IE5+ ELGi TORQ™ Motor with ELGi's  $\eta$ -V efficient airends. This synergy delivers energy savings across various load patterns, significantly minimising the carbon footprint.



### Neuron 4 Controller

The Neuron 4 controller, exclusively developed by ELGi, offers a comprehensive solution for superior and reliable compressor operation. Equipped with an industrial-grade 7-inch touchscreen interface and intelligent algorithms, the Neuron 4 is designed to optimise energy usage, enhancing overall operational efficiency.



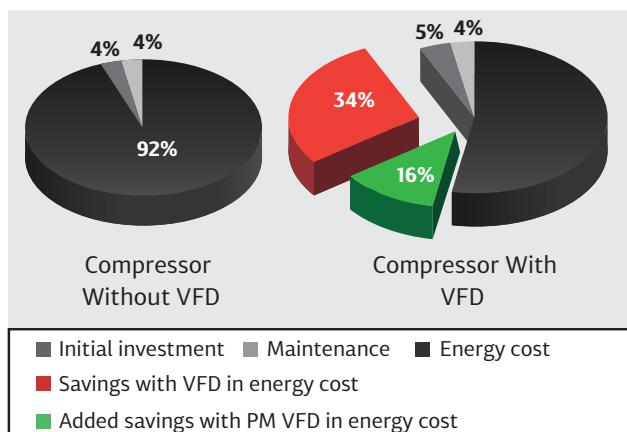
### Intelligent Thermal Valve System

The intelligent thermal valve system, working in synergy with the advanced Neuron 4 controller, operates based on a deep understanding of both environmental and machine conditions. This ensures the compressor's efficiency and reliability even in the most demanding conditions, making it a resilient and dependable solution.

### Air~ALERT™

Air~Alert, ELGi's optional IoT solution, transforms compressor management by elevating uptime, energy efficiency, and enabling 24x7 global remote monitoring. Seamlessly integrating with the Neuron 4 controller for easy plug-and-play connectivity, it turns your compressors into intelligent, connected assets primed for the Industry 4.0 era.

### Enhanced Energy Saving With PM VFD



### Superior Warranty Of Up To 10 Years\* Without Limitation Of Working Hours

ELGi's EG PM VFD Series compressors come with superior warranty. Beginning with its design, manufacturing, and quality testing, the compressor is built to ensure long life, reliability, and durability.

\*Terms & Conditions apply.

