



EnzAir  
COMPRESSION SYSTEMS

# VertiAir VA-VSD Silenced Rotary Screw Air Compressor

2.2kW- 7.5kW



# About the Range

Maximum Working Pressure – 10 Bar

Motor Size Range – 2.2kW through to 7.5kW

Flow Rate Range – 10 CFM through to 35 CFM

The EnzAir VA Series compressor is a vertical design compressor optimised for applications in small workshop areas due to its unique and compact design. The range starts from 2.2kW single phase 230v units through to 7.5kW three phase units.

The EnzAir VA series is controlled via an intelligent PLC control system linked to a variable frequency drive which then powers an IE4 permanent magnet motor. The system uses a digital pressure control system which tracks the air demand which in turn increases and decreases the motor speed which subsequently reduces the power consumption of the compressor and increases your energy savings. As well as this the life cycle of the air end is increased through lower operating speeds reducing bearing wear.

Its intuitive plug and play design allow for a seamless installation on site and is available with dryer and filtration systems whilst remaining a compact design. Regular checks and maintenance are made easy by the quick release cabinet key latches all around the compressor ensure quick access is always possible maximising efficiency and reducing downtime.



# Range Features

Engineered with the customer at the heart of the design this range of machines is a compact, robust and affordable solution, providing a quiet and reliable source of air for your business.

- Compact Footprint, Only 0.44m<sup>2</sup> for all models
- Variable Frequency Drive Control & Soft Start
- IE4 Super Premium Efficiency Permanent Magnet Motor
- Fully Silenced Enclosure
- Oversized Thermostatically Controlled Cooling Fan and Combination Cooler Equalling Quieter Operation
- Direct Drive Transmission, No Belts Increasing Reliability & Efficiency
- Semi Integrated Airend Design for Less Maintenance
- Thermal Overload Protection
- Motor Overload Protection
- Maintenance Timers & Fault Log
- Easy To Use Control Panel with Real Time Insights
- Ease of Maintenance by External Spin On Service Parts
- Available in Single Phase 230V and Three Phase 400V Configurations
- Formed Steel Oil Pipes, for Reduced Risk of Leakage
- $\leq 3$  PPM Oil Carryover



# Service and Maintenance

Genuine spare parts, service and efficient service support helps to ensure the operation of your EnzAir compressors is cost effective and reliable. Packaged service kits and specially formulated, high performance EnzAir Screwshield Pro Rotary Screw Compressor Lubricant (factory filled) ensures industry leading performance.

## **Easy to Maintain**

Routine service and maintenance is easy to perform, with quick and easy access to all the major service parts, coupled with a packaged design that developed around maintenance



# Downstream Accessories

In any compressed air system, the quality of air is paramount. Clean air not only protects your equipment and ensures product quality but also enhances overall system efficiency and reliability. Our comprehensive air treatment solutions are engineered to ensure your system delivers clean, dry, and reliable air for any application. Here's how we elevate your air quality.

## Refrigeration Dryers

Our range of dryers, including refrigerated, desiccant, and membrane options, effectively remove moisture, ensuring a consistent supply of dry air. This is crucial for applications where moisture can cause problems or compromise quality.



## Condensate Management

Our condensate management systems include automatic drains through to oil/water separation units effectively collecting and treating condensate, separating oil from water for safe disposal.



## Inline Filtration

Our advanced filters remove dust, particulates, oil, and other contaminants, safeguarding your equipment and end products. Available in four different grades, they ensure that the air meets stringent industry standards and purity requirements.



# Model Data

Model	Max Pressure	Motor Size	Phase & Voltage	Flow Rate @7 Bar (cfm)	Flow Rate @10 Bar (cfm)	LxWxH (mm)	Weight (Kg)	Noise Db(A)	Receiver Size
VA2-VSD	10 Bar	2.2kW	Single Phase 230V	10	8	660x660x1760	260	65±3	160Ltr
VA4-VSD	10 Bar	4kW	Single Phase 230V	14	13	660x660x1760	260	65±3	160Ltr
VA5-VSD	10 Bar	5.5kW	Single Phase 230V	23	20	660x660x1760	260	65±3	160Ltr
VA5-VSD	10 Bar	5.5kW	Three Phase 400V	23	20	660x660x1760	260	65±3	160Ltr
VA7-VSD	10 Bar	7.5kW	Three Phase 400V	35	32	660x660x1760	260	65 3	160Ltr

