

Product Specifications

115 V / 230 V

| Model / Part Number | HP | Input Voltage | Motor Type | Rated Current (Input) | Rated Current (Output) |
|---------------------|------------|---------------|-------------|-----------------------|------------------------|
| AD002R | 0.5 - 2 HP | 96 V - 275 V | 1 & 3-Phase | 20 A | 9 A |
| AD003R | 0.5 - 3 HP | 96 V - 275 V | 1 & 3-Phase | 30 A | 12 A |
| AD005R | 0.5 - 5 HP | 96 V - 275 V | 1 & 3-Phase | 47 A | 20 A |

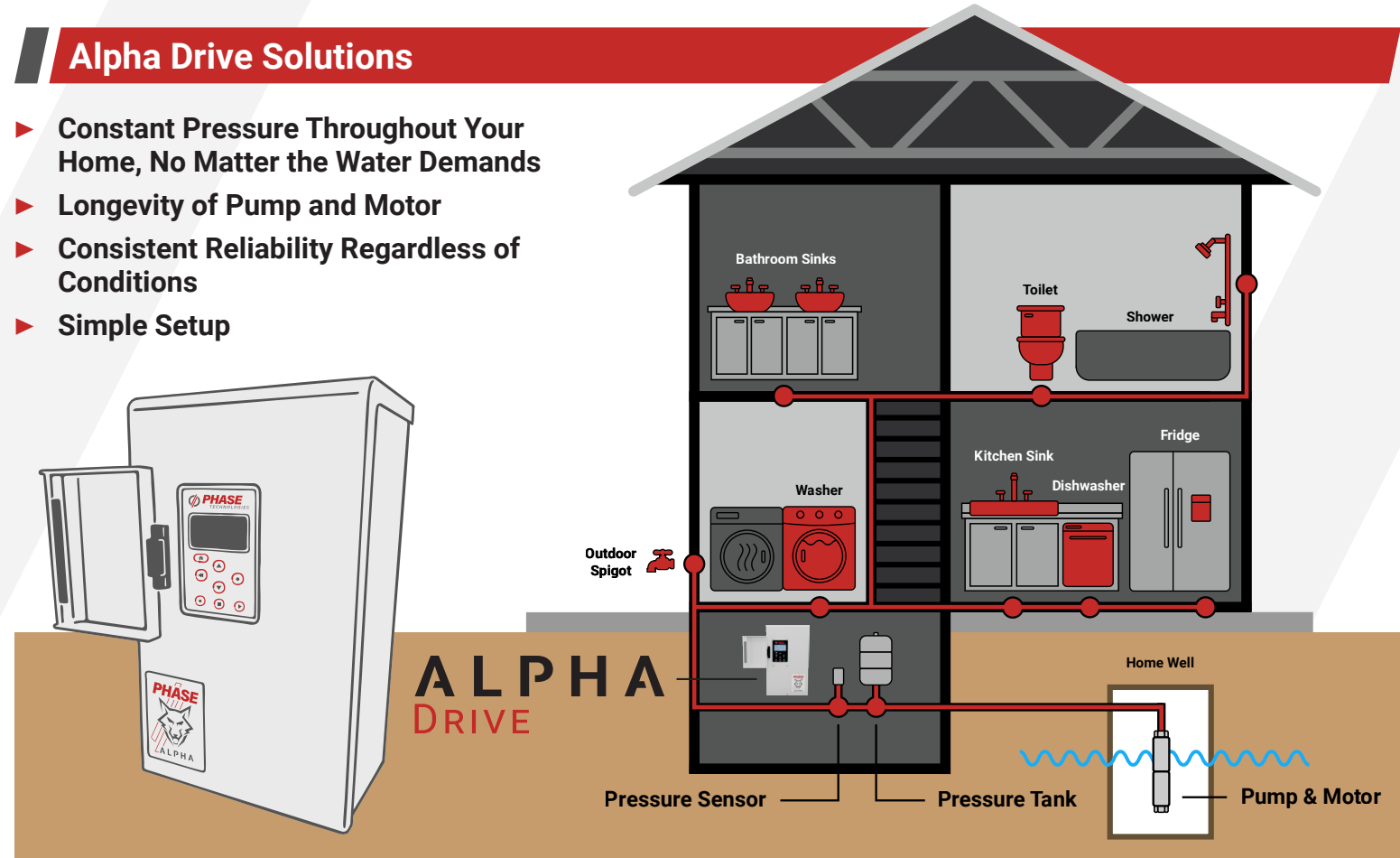
CONSTANT PRESSURE SYSTEM

The Alpha Drive is engineered to maintain consistent water pressure throughout your home, regardless of demand. Unlike traditional systems that rely on a single-speed motor, which can lead to pressure fluctuations and weak flow as demand increases, the Alpha Drive dynamically adjusts speed and flow to ensure steady, reliable water pressure at all times.

With support for both single-phase and three-phase motors, the Alpha Drive offers solutions for a range of motor applications. No matter your residential water system needs, we deliver an all-in-one package for reliable performance, efficiency, and longevity.

Alpha Drive Solutions

- ▶ Constant Pressure Throughout Your Home, No Matter the Water Demands
- ▶ Longevity of Pump and Motor
- ▶ Consistent Reliability Regardless of Conditions
- ▶ Simple Setup



PHASE



PHASE CONVERTING | 115 V & 230 V | CONSTANT PRESSURE VFD
NEMA 3R OUTDOOR ENCLOSURE | 2-5 HP



ALPHA DRIVE

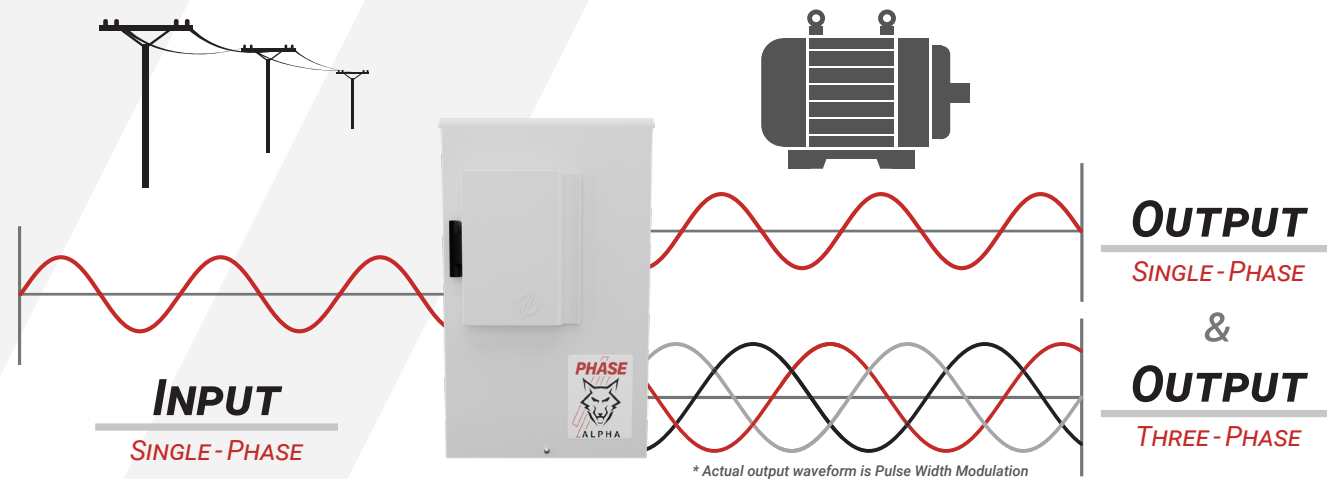


DRIVE ATTRIBUTES

Phase Conversion

Single-Phase to Three-Phase

Convert single-phase power to three-phase power while utilizing advanced motor control capabilities and efficiencies.



Durability & Improved Engineering

The Alpha Drive is a rugged, high-performance variable frequency drive built for long-lasting durability and superior efficiency. Designed to reset the industry standard in residential VFD's, the Alpha Drive will feature:

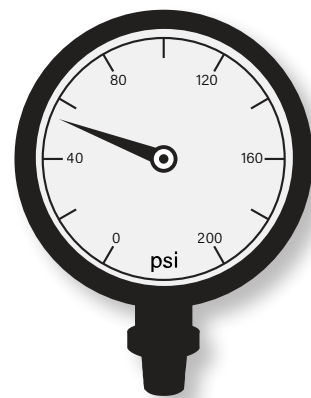
- ▶ **55°C (140°F) Temperature Rating**
- ▶ **2x Overload Capacity Compared to Our Competition**
- ▶ **2x Input Transient Voltage Rating Compared to the Competition**
 - Handles Over 1,200 Volts of Transient Peak-to-Peak Voltage
- ▶ **Standard EMI Choke Included**
 - Reduces Light Flickering and Interference with Other Electronics
- ▶ **Standard Output Reactor Included**
 - Designed for Running Single-Phase Motors

Perfect Pressure™

Easy Setup Wizard

- ▶ **Setup Constant Pressure in Minutes**
- ▶ **Large Backlit Display with Intuitive Menus**
- ▶ **Simple Messages in Clear English**

The Perfect Pressure™ Easy Setup Wizard is a user-friendly tool integrated into our VFDs to simplify the configuration of constant water pressure systems. Upon initial startup, the wizard guides users through a series of prompts to establish the desired pressure settings. This streamlined process allows for quick and efficient setup, often requiring only a few minutes to complete.



Updated Keypad

Our easy-to-use keypad has simple buttons that make it quick to navigate settings for a straightforward Alpha Drive setup. Enjoy enhanced durability, a superior feel, and improved responsiveness with our new silicone keypad.

FEATURES

Long Lasting Durability

With enhanced internal components and advanced engineering, the Alpha Drive is built to last. The increased component size helps reduce heat buildup and electrical stress, improving reliability and extending its lifespan. Additionally, new engineering enhancements guarantee consistent performance under tough conditions, making it a dependable solution for pumping applications.

Run Any Motor

The Alpha Drive is designed for versatility, with the capability to run 2-wire, 3-wire, or three-phase motors. This flexibility makes it an ideal solution for a wide range of applications, allowing users to seamlessly integrate it with different motor types.

Warranty

Phase Technologies backs the Alpha Drive with a three-year warranty, including one-year no-questions-asked, ensuring reliability and hassle-free support for ultimate peace of mind.



Long Lasting
Durability



Simple
Constant
Pressure Setup



Simple
Installation



Easy Setup
Wizards



NEMA 3R
(Outdoor Enclosure)