



PHASE CONVERTING | 115 V / 230 V & 480 V | CONSTANT PRESSURE VFD
NEMA 3R OUTDOOR ENCLOSURE | 2-10 HP

ALPHA DRIVE



**Long Lasting
Durability**



**Simple
Constant
Pressure Setup**



**Simple
Installation**



**Easy Setup
Wizards**



**NEMA 3R
(Outdoor Enclosure)**

Phase Conversion

Single-Phase to Three-Phase

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



Perfect Pressure™

Easy Setup Wizard

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.

- ▶ **Setup Constant Pressure in Minutes**
- ▶ **Identical Keypad & Setup Across All Models**
- ▶ **Large Backlit Display with Intuitive Menus**
- ▶ **Simple Messages in Clear English**



Product Specifications

	Model / Part Number	Rated Current (Output)	Rated Current (Input)	Horsepower	Input Voltage	Motor Type
115 V / 230 V	AD002R	9 A	20 A	2 HP	120 V - 240 V	Single & Three-Phase
	AD003R	12 A	30 A	3 HP	120 V - 240 V	Single & Three-Phase
	AD005R	20 A	47 A	5 HP	120 V - 240 V	Single & Three-Phase
	AD007R ¹	31 A	73 A	7.5 HP	120 V - 240 V	Single ¹ & Three-Phase
480 V	AD405R	9 A	22 A	5 HP	480 V	Three-Phase
	AD407R	13 A	31 A	7.5 HP	480 V	Three-Phase
	AD410R	18 A	43 A	10 HP	480 V	Three-Phase

All Models Include Input and Output Filters and 4-20 mA Pressure Transducer for Accurate Analog Pressure Readings ¹Will **NOT** Run 2-Wire Motors

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 VFDs, the Alpha Drive features:



- ▶ **50°C (122°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

Consumer Confidence Warranty

Phase Technologies backs the Alpha Drive with a **three-year warranty**, including **one-year no-questions-asked**, ensuring your peace of mind.

Durable Keypad

Our easy-to-use keypad has simple buttons that make it quick to navigate settings for a straightforward Alpha Drive setup.



INDUSTRY
BEST LEAD TIMES

