



SD-2XD SERIES
VARIABLE FREQUENCY DRIVE
Phase Converting | Voltage Doubling

**INTUITIVELY
ENGINEERED**



PUMP SMARTER

Intuitive VFDs - Specifically Designed For Pumping

Simple Installation

- Standard input filters and optional output filters facilitate a quick and effortless installation

Perfect Pressure™ Programming

- User-friendly constant pressure setup wizard

EXCLUSIVE! Voltage Doubling VFDs

- Convert 240V single/three-phase to 480V three-phase power
- Big cost savings for long-lead or deep well applications

Rugged & Reliable Engineering

- Designed with quality, serviceability, and performance in mind

SD SERIES Phase Converting VFDs

Phase Technologies has designed a simple, phase converting solution for residential and light commercial constant pressure installations (2-10 HP). The SD product line offers simple setup, rugged hardware, NEMA Type 3R enclosures, and a top-of-the-line oil-filled pressure transducer.

System setup with Perfect Pressure™ requires only a few minutes and is capable of controlling the most complicated pump systems with ease.

The SD and 2XD Series VFDs control pressure consistently regardless of demand. The pump system runs smoothly with fewer instances of short cycling.

Simple Keypad & Easy Setup



- Identical keypad & setup on all models
- Bright & readable screen
- Prompts & messages in clear language
- Perfect Pressure™ Quick and easy constant pressure setup

Optional Locking Enclosure & Keypad Cover

Safe and secure from tampering

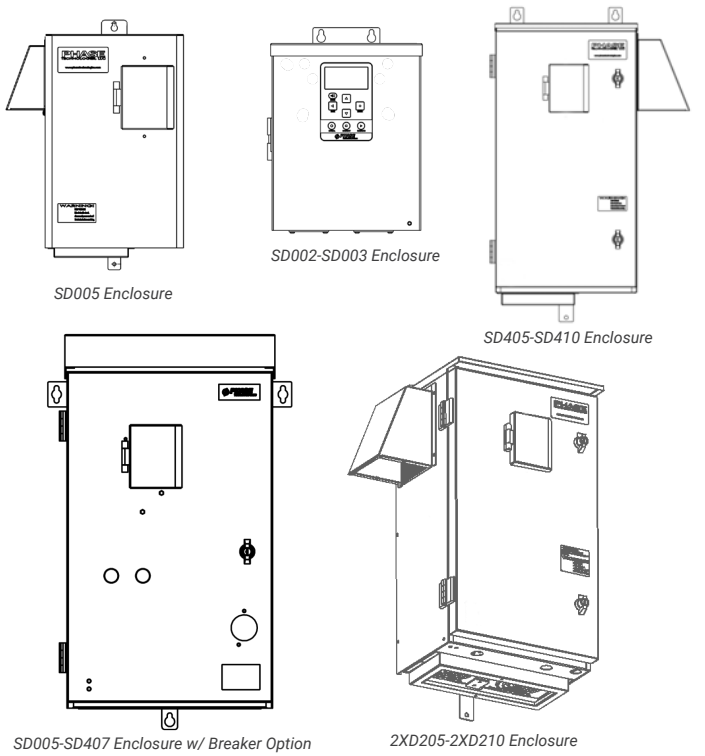


Rugged Design For Any Outdoor Application

SD-2XD SERIES

The need for water doesn't stop just because the weather changes. All Phase Technologies products are designed capable of withstanding extreme environmental conditions.

NEMA 3R Outdoor Enclosures | 122° F (50° C) | Easy Field Serviceability | Locking Enclosures



2XD SERIES

Patented Technology

Available Only From



Phase Converting & Voltage Doubling VFDs

Significant Cost Savings Unmatched Power

Voltage doubling is an innovation developed and patented by Phase Technologies that converts 208V/240V single-phase or three-phase power to nominal 480V three-phase power. If you've installed submersible pumps you know motor cable is a costly expense.

With our robust phase converting VFD systems, the efficiency, motor cable cost savings of 480V three-phase motors can be realized without the cost and time required to upgrade the utility service.

– Install Smaller Motor Cable



2XD Series Estimated Motor Cable Savings

Motor HP	240V 3-Phase		480V 3-Phase		Savings
	Wire size	Cost	Wire size	Cost	
5 HP	500 ft.	8 AWG \$635	14 AWG \$220	\$415	5 HP Savings
	1000 ft.	4 AWG \$2,690	10 AWG \$850	\$1,840	
	1500 ft.	2 AWG \$6,375	8 AWG \$1,905	\$4,470	
7.5 HP	500 ft.	6 AWG \$950	12 AWG \$300	\$650	7.5 HP Savings
	1000 ft.	4 AWG \$2,690	10 AWG \$850	\$1,840	
	1500 ft.	2 AWG \$6,375	8 AWG \$1,905	\$4,470	



Standard Lead Time: 3-10 Business Days

HP	Series Model	Rated Voltage Input Output	Rated Current Input Output	Weight (lbs.)†
2 HP	SD Series*	240 V 240 V	20 A 8 A	7 lbs
3 HP	SD Series*	240 V 240 V	30 A 10 A	7 lbs
5 HP	SD Series*	240 V 240 V	42 A 18 A	15 lbs
	2XD Series	240 V 480 V	31 A 10 A	70 lbs
7.5 HP	SD Series	480 V 480 V	30 A 10 A	45 lbs
	SD Series	240 V 240 V	58 A 27 A	54 lbs
	2XD Series	240 V 480 V	52 A 13 A	80 lbs
10 HP	SD Series	480 V 480 V	37 A 13 A	45 lbs
	SD Series	240 V 240 V	69 A 33 A	54 lbs
	2XD Series	240 V 480 V	Upgraded to 1LH Series	n/a
15 HP	SD Series	480 V 480 V	42 A 18 A	46 lbs
	SD Series**	240 V 240 V	92 A 46 A	130 lbs
	2XD Series	240 V 480 V	Upgraded to 1LH Series	n/a
	SD Series	480 V 480 V	56 A 24 A	130 lbs

† Weights are approximate and vary based on the VFD configuration

*Panel shop & user installed options are NOT available for SD002, SD003 & SD005 models

**MCCB Service Disconnect option not available

508A Panel Shop Options

Sinewave Filter - Available on: SD405, SD407, SD410, 2XD205, 2XD207, 2XD210

Strikesorb® Surge Protection - Available on: SD007, SD010. Standard on: 2XD205, 2XD207, 2XD210

Try Now!

Online Product Builder

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Visit our website, www.phasetechnologies.com and build a custom quote. Or call our technical sales team at 866-250-7934 for questions.

Industry Best Lead Times: 3-10 Business Days



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