

DX

GENERAL PURPOSE

CONFIGURED PANEL



Economical



System
Bypass



Simple
Constant
Pressure Setup



508A
Panel Shop



Commercial
Applications

THREE-PHASE | 230V & 460V OPTIONS
NEMA 3R OUTDOOR ENCLOSURE | 5-500+ HP

DX GENERAL PURPOSE

CONFIGURED PANEL



AGRICULTURE



MUNICIPAL



MINING &
CONSTRUCTION



INDUSTRIAL



HVAC



OIL & GAS



Features

- ▶ Advanced Motor Protection & PID Control
- ▶ V/f Control and Direct Torque Control
- ▶ Rated Temperature: - 40 °C – 40 °C (-40 °F – 104 °F)
- ▶ Nominal Voltage: 230V | 460V
- ▶ Overload Capacity: 110% for 60 seconds
- ▶ Listed UL 61800-5-1

Enclosure

- ▶ Rugged All-Steel-Enclosure
- ▶ Open, NEMA 1, NEMA 3R
- ▶ Leg Kits Available

Intuitive User Interface

- ▶ Large Backlit Graphic Display
- ▶ Eight Button Keypad
- ▶ Intuitive Menus in Plain English
- ▶ Download and Load Parameters Seamlessly
- ▶ Internal USB Port

Flexible I/O

- ▶ Three Analog Inputs
- ▶ Four Digital Inputs
- ▶ Four Programmable Relays
- ▶ Modbus
- ▶ Ethernet
- ▶ BACnet

Easy Setup Wizards

- ▶ Constant Pressure
- ▶ Flow Control
- ▶ Tank Level
- ▶ Pump Down
- ▶ Suction Pump
- ▶ HVAC

Phase Converting

Single-Phase to Three-Phase Power

Phase converting capabilities available with a 50% derate





Panel Shop Options

- ▶ **MCCB**
- ▶ **HOA Switch**
- ▶ **Speed Pot**
- ▶ **Run & Fault Light**
- ▶ **Motor Protection**
 - Input/Line Reactor
 - Output/Load Reactor
 - dV/dt Output Filter
 - Sine Wave Output Filter
- ▶ **Power Supply**
- ▶ **Surge Protection**
 - Protec
 - Strikesorb
- ▶ **Leg Kit**
- ▶ **System Bypass**

Inner Panel Design

1. **Drive** - The DX is powered by a Phase Technologies DXL VFD.
2. **Enclosure** - Configured panels come standard with NEMA 3R all steel enclosures made in house.
3. **Circuit Breaker** - Protect your drive with a Circuit Breaker which is available in our 508A panel shop options.
4. **DC Choke** - All panels include an integrated DC Choke standard above 50 HP.
5. **Motor Protection** - Built with components to limit peak voltage, these filters are recommended with lead lengths up to and above 1,000 feet.

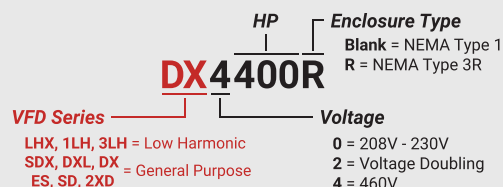
PHASE



PRODUCT BUILDER

Phase Technologies simple and easy-to-use Product Builder allows you to craft the perfect configured panel for your specific applications. In a few simple steps, you can build and receive a quote for your custom built panel.

Nomenclature



DX Brochure - Configured Panel



Features

Economical

Phase Technologies DX configured panel packs the punch you expect from an industrial panel without the large price tag of other units. With less internal components and no active front end technology, this panel is a simple solution to industrial VFD needs. Take advantage of the easy serviceability and straightforward installation of your configured panel.

Small Footprint

With less complexity and internal components, Phase Technologies was able to shrink the overall footprint of our NEMA 3R DX panels significantly. Enjoy all the benefits of industrial three-phase motor control without the huge footprint of other panel manufacturers.

Serviceability

With a smaller footprint and less internal components, our DX panels become very simple to service and work on yourself. The modular design allows for easy swapping of parts in addition to a simple installation experience.

Product Specifications

	Model / Part Number	HP	Rated Current (Input)	Rated Current (Output)	Enclosure	Enclosure (w/ Bypass)
230 V	DX005	5	18 A	18 A	ENC2	-
	DX007	7.5	25 A	25 A	ENC2	-
	DX010	10	31 A	31 A	ENC2	-
	DX015	15	46 A	46 A	ENC2	-
	DX020	20	61 A	61 A	ENC2	-
	DX025	25	75 A	75 A	ENC2	-
	DX030	30	91 A	91 A	ENC2	-
460 V	DX405	5	9 A	9 A	ENC2	-
	DX407	7.5	13 A	13 A	ENC2	-
	DX410	10	18 A	18 A	ENC2	-
	DX415	15	25 A	25 A	ENC2	-
	DX420	20	31 A	31 A	ENC2	ENC4A
	DX425	25	38 A	38 A	ENC2	ENC4A
	DX430	30	46 A	46 A	ENC2	ENC4A
	DX440	40	61 A	61 A	ENC2	ENC4A
	DX450	50	77 A	77 A	ENC3	ENC4A
	DX460	60	86 A	91 A	ENC3	ENC4A
	DX475	75	101 A	107 A	ENC4A	ENC6
	DX4100	100	134 A	142 A	ENC4A	ENC6
	DX4125	125	163 A	172 A	ENC4A	ENC6
	DX4150	150	188 A	198 A	ENC4A	ENC6
	DX4200	200	237 A	250 A	ENC4A	ENC6
	DX4250	250	288 A	304 A	ENC4A	ENC6
	DX4300	300	346 A	365 A	ENC6	-
	DX4350	350	394 A	415 A	ENC6	-
	DX4400	400	454 A	478 A	ENC6	-
	DX4500	500	560 A	590 A	ENC6	-

* Larger horsepower models coming soon

Configured Panel Sizes

Enclosure	Leg Kit Part Number	Leg Kit (Height)	Enclosure Dimensions (Height" x Width" x Depth")	Enclosure w/Leg Kit Dimensions (Height" x Width" x Depth")
ENC2	LEGS14	12-1/2"	45-1/4" x 19-1/2" x 19-9/16"	55" x 19-1/2" x 19-9/16"
ENC3	LEGS14	12-1/2"	55-7/16" x 19-1/2" x 19-9/16"	65-3/16" x 19-1/2" x 19-9/16"
ENC4A	LEGS15	15-3/8"	54-1/4" x 34-7/8" x 21-11/16"	67" x 34-7/8" x 21-11/16"
ENC5	LEGS15	15-3/16"	68-11/16" x 44-5/16" x 23-13/16"	81-5/16" x 44-5/16" x 23-13/16"
ENC6	LEGS17	15-3/8"	74-5/8" x 66-7/16" x 24-5/16"	87-5/16" x 66-7/16" x 24-5/16"
ENC7A	LEGS18	15-3/8"	72-1/4" x 86-3/8" x 28-1/16"	87-5/8" x 86-3/8" x 28-1/16"

