



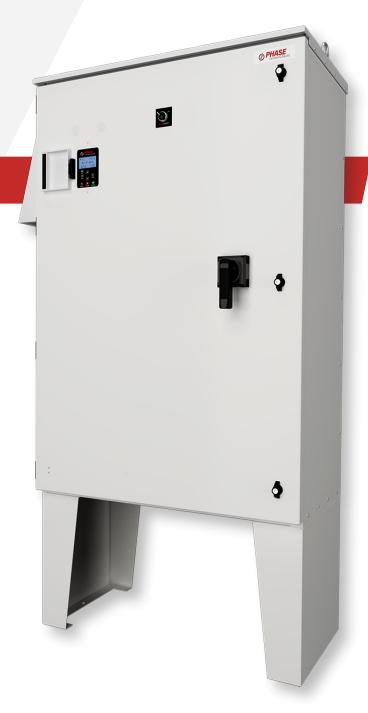




#### CONFIGURED PANEL

An American-manufactured panel with capabilities for applications up to 800 HP, Phase Technologies' DX (General Purpose) configured panels are the solution to your power distribution problems. Purchase as a standalone drive or customize your unit in an enclosed panel configuration using our 508A panel shop. Additionally, take advantage of extra add-on components to increase the efficiency and performance of your unit.

Protect your investment with our all-steel, NEMA 3R enclosures, guaranteed to keep out the elements while allowing your panel to operate at peak performance. All our enclosures are made in-house at our metal fabrication shop, ensuring the highest quality products, proudly made in America.







# GENERAL PURPOSE

CONFIGURED PANEL





## PERFECT FOR ALL APPLICATIONS

- Available as a stand alone drive and enclosed panel configuration
- ▶ Build online with our Product Builder and receive your unit within 30 days of order confirmation
- ► Easy Set Up Wizards preprogrammed in your system for quick and easy startup
- Rugged general purpose VFD qualified for many applications
- ► Phase Converting capabilities for single phase or three phase input

#### **Common Applications**

AGRICULTURE	<ul><li>Irrigation</li><li>Livestock</li></ul>
MUNICIPAL	<ul><li>Sewer Bypass</li><li>Lift Stations</li></ul>
MINING & CONSTRUCTION	<ul> <li>Dewatering</li> <li>Slurry &amp; Tailings         Removal</li> <li>Wasterwater Reuse</li> <li>Dust &amp; Fire Supression</li> <li>Evaporation Equipment</li> <li>Process Water</li> </ul>
INDUSTRIAL	<ul> <li>Constant Torque</li> <li>Rotating Equipment</li> <li>Conveyor Belts</li> <li>Rock Crushers</li> <li>Compressors</li> </ul>
HVAC	<ul> <li>Circulating Pumps</li> <li>Cooling Towers</li> <li>Supply Fans</li> <li>Exhaust Fans</li> <li>Air Handlers</li> </ul>
OIL & GAS	<ul> <li>Water, Oil &amp; Mud         Transfer</li> <li>Drilling Mud         Recirculation</li> <li>Fuel Storage Tank         Booster</li> <li>Downhole Pumps</li> </ul>





## CRAFT YOUR CONFIGURED PANEL

The DX line is powered by our DXL variable frequency drive, combined with our configured panel options, to bring you a custom unit for your operation.

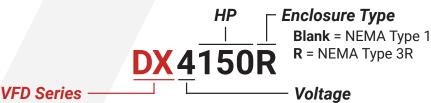
#### **Custom Built Configured Panel**

Design the right DX unit for your operation, and we will provide the perfect enclosure. Take advantage of our wide range of add-on components to enhance the efficiency and performance of your configured panel. Phase Technologies will build your unit to spec, at our manufacturing facility and ship it directly to your home or business for easy installation.

#### **Panel Shop Additional Options**

- MCCB Service Rated
- **HOA & Speed Pot**
- Line Reactor
- **Run & Fault Light**
- **Output Filter**
- **Bypass**
- **Surge Protection**
- Leg Kit

#### **Nomenclature**



**DXLL, SDX, DXL, DX, SD** = General Purpose LHX, 1LH, 3LH = Low Harmonic

ES, SD, 2XD = Aqua Phase

0 = 208V - 230V

2 = Voltage Doubling

4 = 460V





### Inside The Panel

Engineered for maximum performance with minimal components, Phase Technologies configured panels are the definition of simplicity and efficiency. Gone are the days of large enclosures with small drives, heaps of wires, and bulky components. Enjoy the perfectly sized enclosure with all the necessary add-ons, intuitively crafted into a 3R enclosure.

#### **Phase Technologies Inner Panel Design**

- DRIVE: The DX is powered by a Phase Technologies DXL VFD
- 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.
- **4. LINE REACTOR:** All panels include an integrated DC Choke standard above 30 HP.
- 5. OUTPUT FILTER: Built with componets to limit peak voltage, these filters are recomended with lead lengths up to and above 1,000 feet.





Physical / Environmental	
Operating Temperature Range	-40 °C $-$ 50 °C (-40 °F $-$ 104 °F) *Heater in enclosure may be required below $-$ 40 °C, de-rating required above 40 °C
Storage Temperature Range	-40 °C - 57 °C (-40 °F - 135 °F)
Enclosure	NEMA Type 3R: Outdoor   Rainproof
Altitude	Altitude Derate by 1% every 400 ft above 3300 ft elevation
Input Power	
Input Phase	Single-Phase or Three-Phase
Input Voltage	230 V   460 V
Input Voltage Range	190 V — 264 V   440 V — 520 V
Input Frequency	50/60 Hz
Output Power	
Output Phase	Three-Phase
Nominal Output Voltage	230 V   460 V
Output Voltage Range	100 V - 270V   200 V - 530 V
Output Frequency	5 Hz – 120 Hz
Horsepower	5 HP - 900 HP
Output Power	1.5 - 409 kW
Switching Frequency	2 kHz – 5 kHz
Output	V/f control orque Control (Optional)
Electrical	
Short Circuit Withstand Rating	65 kA RMS symmetrical Amps
Efficiency	> 98%
Startup Ramp Time	1 - 120 s
Shutdown Ramp Time	1 - 120 s or Coast to Stop
Overload Capacity	110% for 60 s



Analog Inputs		
Quantity	(3) Programmable	
Current Reference	4 – 20 mA, (2) Inputs	
Voltage Reference	0 - 10 VDC, (1) Input	
Terminal Block Size	26 - 12 AWG	
Digital Inputs		
Quantity	(4) Programmable	
Ratings	< 5 V, galvanically isolated	
Terminal Block Size	26 - 12 AWG	
Relay Outputs		
Quantity	(4) Programmable	
Rating	Relay 1 : 30 VDC or 277 VAC, 10 A Relay 2 : 30 VDC or 277 VAC, 10 A Relay 3 : 30 VDC, 2 A or 125 VAC, 0.5 A Relay 4 : 30 VDC, 2 A or 125 VAC, 0.5 A	
Terminal Block Size	26 - 12 AWG	
Features		
Certification	ETL listed to UL 61800-5-1 and CSA C22.2 No. 274-17	
User Interface	Push button membrane keypad with backlit graphic display	





DIGITAL PHASE CONVERTERS

VARIABLE FREQUENCY DRIVES

MOTOR PROTECTION

STARTER PANELS

# Relentlessly seek to provide Uncommon Value, solutions, innovation, and support for the industries that we serve.

MADE IN THE

