

# VARIABLE FREQUENCY DRIVE GENERAL PURPOSE

PHASE CONVERTING | 230/460V OPTIONS  
OPEN & NEMA 1 (INDOOR) ENCLOSURE OPTIONS



Economical



Simple  
Installation



Simple Setup



Flexible I/O  
(Input/Output)



Intuitive User  
Interface



FANS



COMPRESSORS



HVAC



IRRIGATION



PUMPS



CLEAN WATER &  
WASTEWATER



## Quick Setup

- Six Preset Wizards

## Intuitive User Interface

- Large Backlit Graphic Display
- Eight Button Keypad
- Internal SDHC Port

## Enclosure

- Rugged All-Steel-Enclosure
- Open, NEMA 1 (Indoor)
- Remote Keypad Ready
- DC Link Choke 30 HP and Above

## Flexible I/O

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



# DXL SERIES

## Industrial Three-Phase VFD's

Designed with the Contractor in mind, our new **LHX Series** Variable Frequency Drives offer **significant value** in a **clean and compact design**.



# DXL SERIES

5-500 HP | GENERAL PURPOSE | VFD



TECHNICAL  
SUPPORT



INDUSTRY BEST  
LEAD TIMES



MADE IN  
THE USA

## Full Feature VFD

- ▶ Advanced motor protection & PID Control
- ▶ V/f Control and Direct Torque Control
- ▶ DC Link Choke in models 30 HP and above
- ▶ Download and load parameters seamlessly
- ▶ Simple user interface
- ▶ Large backlit graphic display
- ▶ Intuitive menus in clear English
- ▶ Rugged all steel enclosure
- ▶ Rated Temperature:  $-40^{\circ}\text{C}$  –  $40^{\circ}\text{C}$   
( $-40^{\circ}\text{F}$  –  $104^{\circ}\text{F}$ )
- ▶ Nominal Voltage: 230V | 460V
- ▶ Overload Capacity: 110% for 60 seconds
- ▶ Certified to UL 61800-5-1

## Easy Setup Wizards

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

## Industry Best Lead Times

- ▶ 3-10 Business Days



## Nomenclature

**DXL** <sup>HP</sup> **4250R**

**VFD Series** — **Voltage**

DXLL, DXL, DX, SD = Standard  
LHX, 1LH, 3LH = Low Harmonic  
ES, SD, 2XD = Aqua Phase

Enclosure Type  
Blank = NEMA Type 1  
R = NEMA Type 3R

0 = 208V - 230V  
2 = Voltage Doubling  
4 = 460V



**D1**



**D3**



**D4**

# Product Specifications

		Single-Phase (Input)		Three-Phase (Input)		BTU/hr	Input Voltage	Output Voltage	CFM	Panel Size
Model / Part Number	HP	Rated Current (Input)	Rated Current (Output)	Rated Current (Input)	Rated Current (Output)					
230V	<b>DXL005</b>	5	18 A	9 A	18 A	416	230 V	230	125 - 250	D1
	<b>DXL007</b>	7.5	24 A	12 A	24 A	554	230	230	125 - 250	D1
	<b>DXL010</b>	10	31 A	16 A	31 A	716	230	230	125 - 250	D1
	<b>DXL015</b>	15	46 A	23 A	46 A	1062	230	230	125 - 250	D1
	<b>DXL020</b>	20	61 A	31 A	61 A	1409	230	230	125 - 250	D1
	<b>DXL025</b>	25	75 A	38 A	75 A	1732	230	230	125 - 250	D1
	<b>DXL030</b>	30	91 A	46 A	91 A	2102	230	230	125 - 250	D1
460V	<b>DXL405</b>	5	9A	4.5 A	9A	416	460	460	125 - 250	D1
	<b>DXL407</b>	7.5	13 A	7 A	13 A	600	460	460	125 - 250	D1
	<b>DXL410</b>	10	18 A	9 A	18 A	831	460	460	125 - 250	D1
	<b>DXL415</b>	15	24 A	12 A	24 A	1108	460	460	125 - 250	D1
	<b>DXL420</b>	20	31 A	16 A	31 A	1432	460	460	125 - 250	D1
	<b>DXL425</b>	25	38 A	19 A	38 A	1755	460	460	125 - 250	D1
	<b>DXL430</b>	30	46 A	23 A	46 A	2125	460	460	125 - 250	D1
	<b>DXL440</b>	40	61 A	31 A	61 A	2817	460	460	450	D3
	<b>DXL450</b>	50	77 A	39 A	77 A	3556	460	460	450	D3
	<b>DXL460</b>	60	91 A	46 A	91 A	4203	460	460	450	D3
	<b>DXL475</b>	75	107 A	54 A	107 A	4942	460	460	450	D3
	<b>DXL4100</b>	100	142 A	71 A	142 A	6559	460	460	450	D3
	<b>DXL4125</b>	125	172 A	86 A	172 A	7944	460	460	450	D3
	<b>DXL4150</b>	150	198 A	99 A	198 A	9145	460	460	450	D3
	<b>DXL4200</b>	200	250 A	125 A	250 A	11547	460	460	450	D3
	<b>DXL4250</b>	250	304 A	152 A	304 A	14041	460	460	450	D3
	<b>DXL4300</b>	300	365 A	183 A	365 A	16858	460	460	450	D4
	<b>DXL4350</b>	350	415 A	208 A	415 A	19168	460	460	450	D4
	<b>DXL4400</b>	400	478 A	239 A	478 A	22077	460	460	450	D4
	<b>DXL4500</b>	500	590 A	295 A	590 A	27250	460	460	450	D4



## Panel Sizes

Enclosure	NEMA 1 Panel Dimensions (Height" x Width" x Depth")	Open Panel Dimensions (Height" x Width" x Depth")
<b>D1</b>	19-9/16" x 6-15/16" x 12-7/8"	17-7/8" x 6-15/16" x 12-7/8"
<b>D3</b>	33-7/8" x 16-11/16" x 15-1-16"	31-7/8" x 16-11/16" x 15-1-16"
<b>D4</b>	50-3/4" x 20-1/2" x 15-3/4"	46-7/8" x 20-1/2" x 15-3/4"

