



VARIABLE FREQUENCY DRIVE GENERAL PURPOSE

PHASE CONVERTING | 230/460V OPTIONS
OPEN & NEMA 1 (INDOOR ENCLOSURE) | 5-500 HP



Economical



Significant
Cable Savings



Simple Setup



Flexible I/O
(Input/Output)



Intuitive User
Interface

Full Feature VFD

- ▶ Advanced Motor Protection & PID Control
- ▶ V/f Control and Direct Torque Control
- ▶ DC Link Choke in models 30 HP and above
- ▶ Rated Temperature: -40 °C – 40 °C (-40 °F – 104 °F)
- ▶ Nominal Voltage: 230 V | 460 V
- ▶ Overload Capacity: 110% for 60 seconds
- ▶ Certified to UL 61800-5-1

Enclosure

- ▶ Rugged All-Steel-Enclosure
- ▶ Open, & NEMA 1(Indoor)
- ▶ Remote Keypad Ready

Intuitive User Interface

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

Panel Sizes



Enclosure	NEMA 1 Panel Dimensions (Height" x Width" x Depth")	Open Panel Dimensions (Height" x Width" x Depth")
D1	19-9/16" x 6-15/16" x 12-7/8"	17-7/8" x 6-15/16" x 12-7/8"
D2	33-7/8" x 16-11/16" x 15-1-16"	31-7/8" x 16-11/16" x 15-1-16"
D3	50-3/4" x 20-1/2" x 15-3/4"	46-7/8" x 20-1/2" x 15-3/4"

Applications



Product Specifications

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



Nomenclature

DXL4250R

VFD Series | HP | Enclosure Type | Voltage

Blank = NEMA Type 1
R = NEMA Type 3R

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

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