

## PowerXL DG1 irrigation drive pump panels

Product features and inventory



## Demand the drive your pump system needs... When you need it



The Eaton PowerXL™ DG1 three-phase irrigation drive pump panel is specifically designed for the irrigation pumping industry. With a weathertight, painted white NEMA® 3R enclosure, the PowerXL DG1 drive pump panel is an energy-efficient and environmentally friendly solution for motor-driven equipment.

Whether operating a center pivot, drip irrigation or water flooding system, the PowerXL DG1 drive pump panel is designed to meet your three-phase irrigation control needs.

- 480 V variable torque DG1 drive
- NEMA 3R weathertight enclosure for outdoor environments
- Bottom entry for easy cable access
- Reduces environmental impact
- Reduces water hammer with ramp-up speed control
- Internet of Things (IoT) connectivity via cellular gateway enables remote monitoring and control
- 25–600 hp available
- Local inventory in our W87 Fontana California Distribution Center as well as through our Eaton Authorized Distributors

### Durable design

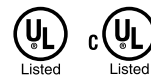
The PowerXL DG1 drive pump panel is enclosed in a painted white NEMA 3R panel to provide weathertight protection, allowing panel installation outdoors near irrigation equipment without additional shelter.

### Easy installation and connection

The PowerXL DG1 drive pump panel is one of the first irrigation panels with an easy-to-use bottom entry. The floor stand enables mounting the panel as a standalone electrical panel.

### Standards and certifications

- UL® Listed
- cUL® Listed



*Powering Business Worldwide*

# Why use the PowerXL DG1 drive pump panel?

## Clean solution

The PowerXL DG1 drive pump panel greatly reduces environmental impact and the high costs associated with powering agricultural and irrigation pump equipment.

- Reduces air and groundwater contamination
- Decreases fuel and lubricant leakage

## Efficient power

The PowerXL DG1 drive pump panel is an efficient and cost-effective solution.

- Eliminates pump motor inrush current
- Lower energy consumption than rotary phase converters

## PowerXL DG1 drive pump panel features

### Protection features

- Input molded case circuit breaker
- EMI filter
- Input overvoltage protection
- Line surge protection to 50 kA
- Output short-circuit protection
- Output ground fault protection
- Output phase protection
- Overtemperature protection
- DC overvoltage protection
- Drive overload protection
- Keypad lockout
- Fault alarm output
- Built-in diagnostics
- Pilot device cover

### Panel features

- 480 Vac three-phase input
- START/STOP pushbuttons
- Speed control potentiometer
- Hand-Off-Auto selector switch
- Power ON, run and fault lights
- 22-inch floor stands on AX-CX enclosures (25–150 hp)
- Lockable door-mounted power disconnect handle
- Padlockable pilot device cover
- Service entrance label
- Transient voltage surge suppression
- Control power transformer
- Painted white NEMA 3R enclosure
- Cellular gateway for data transmission and analytics via Eaton's IoT solution services



Interior of the PowerXL DG1 three-phase drive pump panel

### Primary design features

|                                |                                            |
|--------------------------------|--------------------------------------------|
| 45–66 Hz input frequency       | Standard                                   |
| Output: AC volts maximum       | Based on supply voltage                    |
| Overload                       | 110% of rated (1 minute [ $I_L$ ])         |
| Fault current rating           | 100 kAIC                                   |
| Weathertight NEMA 3R enclosure | Standard                                   |
| Ambient operating temperature  | 14 °F (–10 °C) no frost, to 104 °F (40 °C) |
| Regulatory listings            | UL, cUL                                    |

## Eaton PowerXL DG1 pump panels quick ship program

| Variable torque hp standard | Constant torque hp heavy-duty | Description                                         | Enclosure size | Typical availability | Style number | Catalog number     |
|-----------------------------|-------------------------------|-----------------------------------------------------|----------------|----------------------|--------------|--------------------|
| 25                          | 20                            | DG1 pump, 480 V, 25 hp, VT, white NEMA 3R, CB, SPD  | AX             | Stocked              | 3-4903-10A   | EGS0344B380-PUMP01 |
| 30                          | 25                            | DG1 pump, 480 V, 30 hp, VT, white NEMA 3R, CB, SPD  | AX             | 10 days              | 3-4903-11A   | EGS0404B380-PUMP01 |
| 40                          | 30                            | DG1 pump, 480 V, 40 hp, VT, white NEMA 3R, CB, SPD  | AX             | 10 days              | 3-4903-12A   | EGS0524B380-PUMP01 |
| 50                          | 40                            | DG1 pump, 480 V, 50 hp, VT, white NEMA 3R, CB, SPD  | BX             | Stocked              | 3-4903-13A   | EGS0654A380-PUMP01 |
| 60                          | 50                            | DG1 pump, 480 V, 60 hp, VT, white NEMA 3R, CB, SPD  | BX             | 10 days              | 3-4903-14A   | EGS0774A380-PUMP01 |
| 75                          | 60                            | DG1 pump, 480 V, 75 hp, VT, white NEMA 3R, CB, SPD  | BX             | Stocked              | 3-4903-15A   | EGS0964A380-PUMP01 |
| 100                         | 75                            | DG1 pump, 480 V, 100 hp, VT, white NEMA 3R, CB, SPD | CX             | Stocked              | 3-4903-16A   | EGS1244A380-PUMP01 |
| 125                         | 100                           | DG1 pump, 480 V, 125 hp, VT, white NEMA 3R, CB, SPD | CX             | Stocked              | 3-4903-17A   | EGS1564A380-PUMP01 |
| 150                         | 125                           | DG1 pump, 480 V, 150 hp, VT, white NEMA 3R, CB, SPD | CX             | Stocked              | 3-4903-18A   | EGS1804A380-PUMP01 |
| 200                         | 150                           | DG1 pump, 480 V, 200 hp, VT, white NEMA 3R, CB, SPD | DX             | Stocked              | 3-4903-19A   | EGS2404A380-PUMP01 |

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