



50/100 HP DUALZONE ROTARY PHASE CONVERTER

# TWO GENERATORS. ONE SYSTEM.

Two equal 50 HP generators deliver 100 HP of combined running capacity with staged starting from single-phase service.

DESIGNED AND BUILT IN PHOENIX, ARIZONA

INDUSTRIAL GRADE IS OUR STANDARD

EXPLORE DUALZONE

STAGED POWER ARCHITECTURE

# START SMARTER. RUN WITH MORE CAPACITY.

The GP50/100NL uses two equal 50 HP TEFC generators. Together they provide 100 HP of combined running capacity while AutoLink staging helps manage starting demand on the single-phase service.



THE DUALZONE EQUATION

$$2 \times 50 \text{ HP} \\ = 100 \text{ HP}$$

Two equal generators. One sealed control platform. Staged operation engineered to make better use of the available service.

**2 x 50 HP**

EQUAL GENERATORS

**100 HP**

COMBINED RUNNING

**AUTOLINK**

STAGED CONTROL

**NEMA 4**

SEALED PANEL

**GENERATOR A**

50 HP TEFC idler

**GENERATOR B**

50 HP TEFC idler

**STAGED STARTING**

Reduces simultaneous inrush

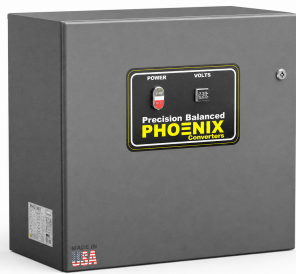
**COMBINED CAPACITY**

Up to 100 HP running

ONE PANEL. TWO EQUAL GENERATORS.

# THE DUALZONE ADVANTAGE.

Every DualZone converter uses two equal-size generators. The first number is each generator size; the second is their combined running capacity.



ONE NEMA 4 PANEL



GENERATOR A - 50 HP



GENERATOR B - 50 HP

## EQUAL GENERATORS

Two 50 HP TEFC idlers

## COMBINED RUNNING

100 HP total capacity

## AUTOLINK STANDARD

Automatic staged control

## SERVICE EFFICIENT

Manages starting demand

## SEALED CONTROLS

NEMA 4 / IP65 class

## FACTORY SUPPORT

Sizing and installation help

GP50/100NL ELECTRICAL + EQUIPMENT DATA

TWO GENERATORS. CLEARLY DEFINED.

DualZone architecture shown. Final service, protection, mounting, and production outline values control.

NEMA 4 CONTROL PANEL

20 in x 20 in x 8 in



80 lb base reference

EACH 50 HP GENERATOR

15 in x 15 in x 25 in



TEFC | 601 lb each

DUAL GENERATOR SYSTEM

2 x 50 HP = 100 HP



AutoLink staged operation

| DUALZONE CONSTRUCTION |                       | ELECTRICAL PLANNING |                     | INSTALLATION + RELEASE |                      |
|-----------------------|-----------------------|---------------------|---------------------|------------------------|----------------------|
| MODEL                 | GP50/100NL            | VOLTAGE INPUT       | 230 V, 1-phase      | PANEL SIZE             | 20 in x 20 in x 8 in |
| CONFIGURATION         | two generators        | VOLTAGE OUTPUT      | 230 V, 3-phase      | PANEL WEIGHT           | 80 lb                |
| GENERATOR A           | 50 HP                 | FREQUENCY           | 50 / 60 Hz          | PANEL MOUNTING         | wall                 |
| GENERATOR B           | 50 HP                 | RUNNING CAPACITY    | 100 HP              | MOTOR QUANTITY         | 2                    |
| COMBINED RUNNING      | 100 HP                | GENERATOR SIZE      | 2 x 50 HP           | MOTOR SPACING          | production outline   |
| MOTOR ENCLOSURE       | TEFC                  | START SEQUENCE      | staged              | ANCHORAGE              | production outline   |
| EACH MOTOR FRAME      | TEFC                  | CONTROL             | AutoLink standard   | WORKING SPACE          | NEC / AHJ            |
| EACH MOTOR SIZE       | 15 in x 15 in x 25 in | SERVICE SIZE        | final order drawing | OVERCURRENT            | electrician review   |
| EACH MOTOR WEIGHT     | 601 lb                | BREAKER RANGE       | final order drawing | GROUNDING              | NEC / local code     |
| MOTOR TOTAL           | 2 x 601 lb            | INPUT CONDUCTOR     | final order drawing | TERMINALS              | production drawing   |
| PANEL ENCLOSURE       | NEMA 4 / IP65         | IDLER CONDUCTOR     | final order drawing | CLEARANCES             | production drawing   |
| WARRANTY              | lifetime limited      | VOLTAGE BALANCE     | factory tuned       | FINAL RATINGS          | ordered system       |

DUALZONE ENGINEERING NOTE

GP50/100NL uses exactly two equal 50 HP generators for 100 HP of combined running capacity. Service, conductor, breaker, mounting-hole, clearance, and exact enclosure values must be confirmed from the final Phoenix production drawing and reviewed by the installing electrician and AHJ.

UL Listed panels are optional on all models.

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