



100 HP ROTARY PHASE CONVERTER

POWER, REDEFINED.

Industrial three-phase capability from the single-phase service already in your building - sized for 100 HP of running capacity.

DESIGNED AND BUILT IN PHOENIX, ARIZONA

INDUSTRIAL GRADE IS OUR STANDARD

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THE GP100 PLATFORM

THREE-PHASE POWER. WITHOUT THE UTILITY WAIT.

The GP100 converts 230 V single-phase service into balanced 230 V three-phase power for shops, farms, and industrial equipment with up to 100 HP of combined running load.



BUILT FOR THE REAL LOAD

100 HP RUNNING
50 HP STARTING

TEFC cast-iron idler. NEMA 4 sealed controls. Factory wiring, lifetime limited warranty, and direct sizing support.

230 V

SINGLE-PHASE INPUT

230 V

THREE-PHASE OUTPUT

167 KVA (700A)

PUBLISHED SERVICE

125 MIN - 350 MAX

BREAKER RANGE

WEATHER-READY

NEMA 4 / IP65-class enclosure

CONTINUOUS DUTY

TEFC industrial idler motor

PRECISION BALANCED

Voltage tuned for real equipment

DIRECT SUPPORT

Sizing and installation guidance

ONE PLATFORM. EIGHT PURPOSE-BUILT OPTIONS.

CHOOSE HOW YOUR GP100 BEHAVES.

Select the control and voltage package that matches the equipment, workflow, and service available at the site.



GP100NL

AUTO RESTART

Returns the converter to ready operation after power is restored.



GP100PL

MONITORED STARTER

Voltage monitor, magnetic starter, and Start / Stop controls.



GP100NLA

AUTOLINK CONNECTION

Automated connections for transformers, compressors, and equipment.



GP100NLA+

PARALLEL EXPANSION

Add another converter in parallel to expand capacity.



GP100NLTA

AUTOMATED PACKAGE

Converter and transformer package with AutoLink automation.



GP100NLT

230 V TO 460 V

Factory-matched 75 kVA transformer package.



GP100DZ

DUALZONE

Two equal generators for staged starting and expanded running capacity.



GP100AS

AUTOSTART + AUTOOFF

Runs only when connected equipment calls for power.

GP100 ELECTRICAL + EQUIPMENT DATA

DIMENSIONS YOU CAN PLAN AROUND.

Published catalog values shown. Final ordered Phoenix production outline controls installation details.

NEMA 4 CONTROL PANEL

24 in x 24 in x 8 in



120 lb | wall mount

100 HP TEFC IDLER

19 in x 19 in x 38 in



TEFC | 1,120 lb

75 kVA TRANSFORMER

230 V to 460 V package



optional package | outline controls

GENERAL + CONSTRUCTION

RATED OUTPUT	100 HP
MOTOR OUTPUT	74.6 kW
FREQUENCY	50 / 60 Hz
MOTOR ENCLOSURE	TEFC
MOTOR FRAME	TEFC
IDLER SIZE	19 in x 19 in x 38 in
IDLER WEIGHT	1,120 lb
PANEL ENCLOSURE	NEMA 4 / IP65
PANEL SIZE	24 in x 24 in x 8 in
PANEL WEIGHT	120 lb
MOUNTING	wall
WARRANTY	lifetime limited

SINGLE-PHASE INPUT

VOLTAGE INPUT	230 V, 1-phase
SERVICE	167 KVA (700A)
BREAKER RANGE	125 MIN - 350 MAX
COPPER CONDUCTOR	300 MCM (under 50 ft)
IDLER CONDUCTOR	2/0 AWG
MAX STARTING LOAD	50 HP
RUNNING LOAD	100 HP
DISTANCE BASIS	under 50 ft
FINAL PROTECTION	order drawing
INSTALLATION	electrician / AHJ
GROUNDING	NEC / local code
TERMINALS	production drawing

THREE-PHASE + PACKAGES

BASE OUTPUT	230 V, 3-phase
RUNNING CAPACITY	100 HP
STARTING CAPACITY	50 HP
NL CONTROL	Auto Restart
PL CONTROL	monitor + mag starter
NLA CONTROL	AutoLink
NLA+ CONTROL	parallel expansion
AS CONTROL	AutoStart + AutoOff
NLT OUTPUT	460 V, 3-phase
TRANSFORMER	75 kVA
VOLTAGE BALANCE	load tuned
FINAL RATINGS	order drawing

ENGINEERING RELEASE NOTE

Conductor size, overcurrent protection, mounting holes, clearances, terminals, transformer orientation, and enclosure dimensions must be confirmed from the final Phoenix production drawing and reviewed by the installing electrician for the locally adopted NEC and AHJ requirements.

UL Listed panels are optional on all models.

800-417-6568