



50 HP ROTARY PHASE CONVERTER

POWER, REDEFINED.

Industrial three-phase capability from the single-phase service already in your building - sized for 50 HP of running capacity.

DESIGNED AND BUILT IN PHOENIX, ARIZONA

INDUSTRIAL GRADE IS OUR STANDARD

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THE GP50 PLATFORM

THREE-PHASE POWER. WITHOUT THE UTILITY WAIT.

The GP50 converts 230 V single-phase service into balanced 230 V three-phase power for shops, farms, and industrial equipment with up to 50 HP of combined running load.



BUILT FOR THE REAL LOAD

50 HP RUNNING
25 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

50 KVA (200A)

PUBLISHED SERVICE

80 MIN - 200 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 GP50 BEHAVES.

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



GP50NL

AUTO RESTART

Returns the converter to ready operation after power is restored.



GP50PL

MONITORED STARTER

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



GP50NLA

AUTOLINK CONNECTION

Automated connections for transformers, compressors, and equipment.



GP50NLA+

PARALLEL EXPANSION

Add another converter in parallel to expand capacity.



GP50NLTA

AUTOMATED PACKAGE

Converter and transformer package with AutoLink automation.



GP50NLT

230 V TO 460 V

Factory-matched 30 kVA transformer package.



GP50DZ

DUALZONE

Two equal generators for staged starting and expanded running capacity.



GP50AS

AUTOSTART + AUTOOFF

Runs only when connected equipment calls for power.

GP50 ELECTRICAL + EQUIPMENT DATA

DIMENSIONS YOU CAN PLAN AROUND.

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

NEMA 4 CONTROL PANEL

20 in x 20 in x 8 in



80 lb | wall mount

50 HP TEFC IDLER

15 in x 15 in x 25 in



TEFC | 601 lb

30 kVA TRANSFORMER

230 V to 460 V package



optional package | outline controls

GENERAL + CONSTRUCTION

RATED OUTPUT	50 HP
MOTOR OUTPUT	37.3 kW
FREQUENCY	50 / 60 Hz
MOTOR ENCLOSURE	TEFC
MOTOR FRAME	TEFC
IDLER SIZE	15 in x 15 in x 25 in
IDLER WEIGHT	601 lb
PANEL ENCLOSURE	NEMA 4 / IP65
PANEL SIZE	20 in x 20 in x 8 in
PANEL WEIGHT	80 lb
MOUNTING	wall
WARRANTY	lifetime limited

SINGLE-PHASE INPUT

VOLTAGE INPUT	230 V, 1-phase
SERVICE	50 KVA (200A)
BREAKER RANGE	80 MIN - 200 MAX
COPPER CONDUCTOR	2/0 AWG (under 50 ft)
IDLER CONDUCTOR	2 AWG
MAX STARTING LOAD	25 HP
RUNNING LOAD	50 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	50 HP
STARTING CAPACITY	25 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	30 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.

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