



20 HP ROTARY PHASE CONVERTER

POWER, REDEFINED.

Industrial three-phase capability from the single-phase service already in your building - sized for 20 HP of running capacity.

DESIGNED AND BUILT IN PHOENIX, ARIZONA

INDUSTRIAL GRADE IS OUR STANDARD

[EXPLORE THE SERIES](#)

THE GP20 PLATFORM

THREE-PHASE POWER. WITHOUT THE UTILITY WAIT.

The GP20 converts 230 V single-phase service into balanced 230 V three-phase power for shops, farms, and industrial equipment with up to 20 HP of combined running load.



BUILT FOR THE REAL LOAD

20 HP RUNNING
10 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

37.5 kVA (156A)

PUBLISHED SERVICE

40 MIN - 100 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 GP20 BEHAVES.

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



GP20NL

AUTO RESTART

Returns the converter to ready operation after power is restored.



GP20PL

MONITORED STARTER

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



GP20NLA

AUTOLINK CONNECTION

Automated connections for transformers, compressors, and equipment.



GP20NLA+

PARALLEL EXPANSION

Add another converter in parallel to expand capacity.



GP20NLTA

AUTOMATED PACKAGE

Converter and transformer package with AutoLink automation.



GP20NLT

230 V TO 460 V

Factory-matched 15 kVA transformer package.



GP20DZ

DUALZONE

Two equal generators for staged starting and expanded running capacity.



GP20AS

AUTOSTART + AUTOOFF

Runs only when connected equipment calls for power.

GP20 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 12 in x 10 in



37 lb | wall mount

20 HP TEFC IDLER

Production outline controls



256T | 330.75 lb

15 kVA TRANSFORMER

230 V to 460 V package



optional package | outline controls

GENERAL + CONSTRUCTION

RATED OUTPUT	20 HP
MOTOR OUTPUT	14.9 kW
FREQUENCY	50 / 60 Hz
MOTOR ENCLOSURE	TEFC
MOTOR FRAME	256T
IDLER SIZE	Production outline controls
IDLER WEIGHT	330.75 lb
PANEL ENCLOSURE	NEMA 4 / IP65
PANEL SIZE	20 in x 12 in x 10 in
PANEL WEIGHT	37 lb
MOUNTING	wall
WARRANTY	lifetime limited

SINGLE-PHASE INPUT

VOLTAGE INPUT	230 V, 1-phase
SERVICE	37.5 kVA (156A)
BREAKER RANGE	40 MIN - 100 MAX
COPPER CONDUCTOR	4 AWG (under 50 ft)
IDLER CONDUCTOR	6 AWG
MAX STARTING LOAD	10 HP
RUNNING LOAD	20 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	20 HP
STARTING CAPACITY	10 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	15 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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