PHASE CONVERTING | 230 V & 460 V | VOLTAGE DOUBLING
NEMA 3R OUTDOOR ENCLOSURE | 5 - 175 HP

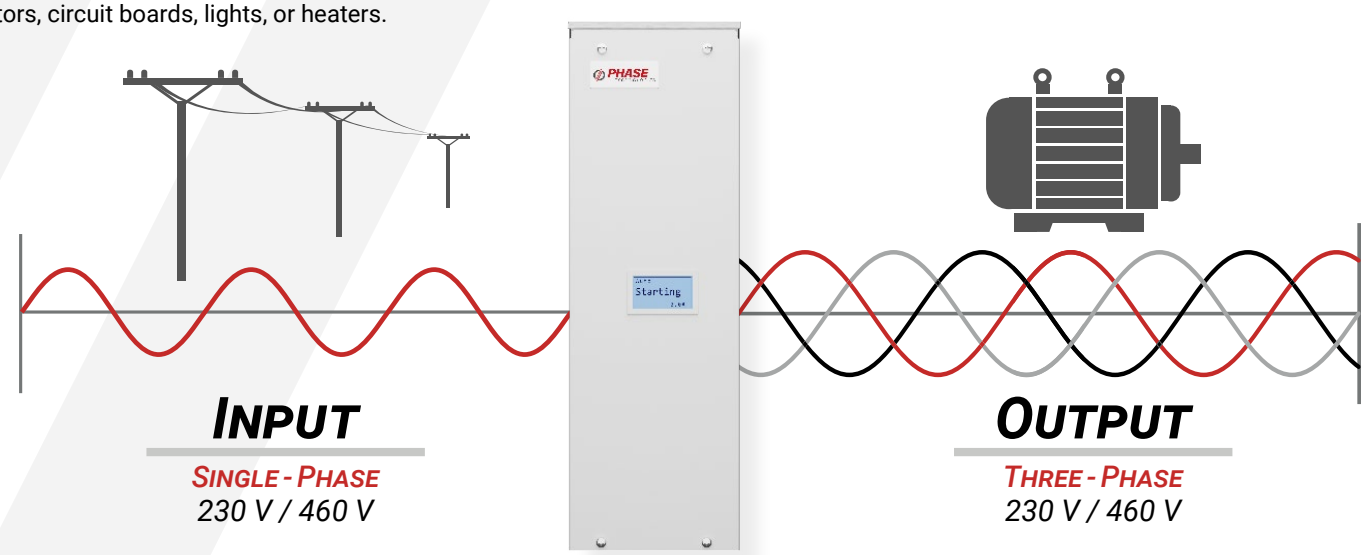
PHASE PERFECT®

DIGITAL PHASE CONVERTER

- World's Only Digital Phase Converter
- Voltage Doubling
- Phase-to-Phase Voltage Balance
- 98.7% Efficient At Full Load
- 508A Panel Shop (Options Available)

Utility Grade Three-Phase Output

Phase Perfect provides clean, utility-quality three-phase output for starting and stopping motors across the line while running transformers, contactors, circuit boards, lights, or heaters.



Panel Shop Options

- **MCCB Service Disconnect**
  Breaker equipped with external, service-rated, disconnect to support easy field serviceability
- **On/Off Switch**
  Allows toggling of device power without the need to remove it from the power source
- **50Hz Operation**
  Run three-phase equipment anywhere in the world
- **Strikesorb Surge Protection**
  Protect your drive from damaging input voltage spikes with a high-quality, surge protective device

$2,221.86/year

Estimated Annual Savings with Phase Perfect® versus Rotary:
Savings based on 20 HP, 24/7 Operation

PT ANNUAL SAVINGS CALCULATOR

CALCULATE YOUR PROJECTED ANNUAL SAVINGS AT PHASETECHNOLOGIES.COM

PT

PHASE PERFECT

DIGITAL PHASE CONVERTERS

Features

Voltage Balance Within 2%

Phase Technologies' Digital Phase Converters deliver line-to-line voltages balanced within 2%, improving equipment performance and lifespan. Balanced voltage is crucial for efficiency, power output, reliability, and longevity. Even slight imbalances cause excessive heat and motor wear.

Modbus Connectivity

New for 2026 - Built-in Modbus RTU enables remote monitoring and control. Integrate Phase Perfect into your automation system for real-time performance data and diagnostics.

2X Starting Capacity

With twice the starting capacity of rotary phase converters, a Phase Perfect's horsepower rating equals the motor size it will start—a 10 HP motor needs a 10 HP Phase Perfect. For multiple loads, select a converter rated for the total current of all connected loads. Phase Perfect converters can be flexibly configured—oversized or split into multiple units—to match almost any situation.

Utility Grade Three-Phase Output

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Simple Installation

With two wires in and three wires out, Phase Perfect converters are virtually "plug-and-play." Three-phase equipment connects to the output just like utility three-phase power.

Regenerative

Handles motor braking energy. Unity power factor maximizes available power while reducing utility bills.

Voltage Doubling Output

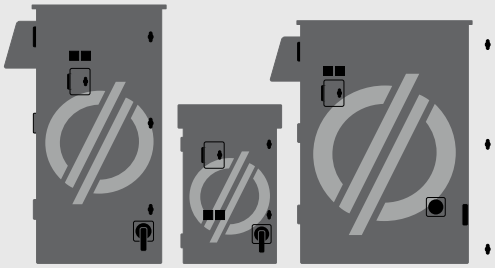
Eliminates the need for a transformer while minimizing motor lead wire size on 460 V systems running on a 230 V source, saving you hundreds on wire costs.

Product Specifications

	HP	Rated Current Input (Amps)	Rated Current Output (Amps)	Input Voltage (Volts)	Output Voltage (Volts)	Output (kVA)	Standby Power Consumption (Watts)
230V	7.5	45 A	26 A	230 V	230 V	10.8 kVA	70 W
	10	62 A	36 A	230 V	230 V	14.9 kVA	74 W
	15	90 A	52 A	230 V	230 V	21.6 kVA	77 W
	20	111 A	64 A	230 V	230 V	26.6 kVA	80 W
	30	165 A	95 A	230 V	230 V	39.4 kVA	175 W
	40	225 A	130 A	230 V	230 V	54.0 kVA	190 W
	50	286 A	165 A	230 V	230 V	68.5 kVA	235 A
	60	329 A	190 A	230 V	230 V	78.9 kVA	260 W
	75	416 A	240 A	230 V	230 V	99.7 kVA	300 W
2X Voltage	7.5	45 A	13 A	230 V	460 V	10.8 kVA	200 W
	10	62 A	18 A	230 V	460 V	14.9 kVA	320 W
	15	94 A	27 A	230 V	460 V	22.4 kVA	435 W
	20	111 A	32 A	230 V	460 V	26.6 kVA	550 W
	30	159 A	46 A	230 V	460 V	39.4 kVA	800 W
460V	7.5	22 A	13 A	460 V	460 V	10.8 kVA	52 W
	10	32 A	18 A	460 V	460 V	14.9 kVA	68 W
	15	47 A	27 A	460 V	460 V	22.4 kVA	71 W
	20	55 A	32 A	460 V	460 V	26.6 kVA	74 W
	30	80 A	46 A	460 V	460 V	38.2 kVA	87 W
	40	105 A	61 A	460 V	460 V	50.7 kVA	180 W
	50	134 A	77 A	460 V	460 V	64.0 kVA	190 W
	60	157 A	91 A	460 V	460 V	75.6 kVA	220 W
	75	185 A	107 A	460 V	460 V	88.9 kVA	270 W
	100	246 A	142 A	460 V	460 V	118.0 kVA	300 W
	150	343 A	198 A	460 V	460 V	164.4 kVA	300 W
	175	381 A	220 A	460 V	460 V	182.9 kVA	300 W

PRODUCT BUILDER

PHASETECHNOLOGIES.COM/PRODUCTS



UP-TO-DATE

- ✓ LEAD TIMES
- ✓ PRICING
- ✓ DIMENSIONS