

PRODUCT APPLICATIONS

HVAC

SYSTEMS



HVAC SYSTEMS

Recommended Product

PHASE PERFECT®

\$2,285.34

PROJECTED ANNUAL SAVINGS



POWERING YOUR HVAC SYSTEM

Single-phase HVAC equipment is generally limited to around 5 tons (60,000 BTU) in capacity. For larger homes, custom builds, and light commercial applications, the industry standard is three-phase power. Most high-efficiency rooftop units, VRF systems, and large-capacity air handlers are only manufactured in three-phase configurations.

But what happens when your site doesn't have access to three-phase utility service? That's where Phase Perfect® steps in. The Phase Perfect® digital phase converter is the gold standard for HVAC applications, converting single phase to three phase while providing multiple load support and maintaining near-perfect voltage balance under all conditions.

Unlike Other Types of Phase Converters, Phase Perfect Offers:

- ▶ Low Standby Power Consumption
- ▶ Utility-Grade, True Three-Phase Output
- ▶ Support for Multiple Simultaneous Loads
- ▶ No Moving Parts for Maintenance-Free Operation

Why HVAC Pros Choose Phase Perfect®

1. Access Commercial Equipment Anywhere

Power rooftop units, scroll compressors, VRF systems, and multi-stage blowers even in rural areas.

2. Clean, Balanced Power

Maintain near-perfect voltage balance across all phases, even with variable loads.

3. Easy Installation

Install inside or outside. No programming required.

4. Reliable & Efficient

No noisy rotary motors or regular maintenance.

5. Scalable for Any System

Supports systems rated to 200 MCA or higher, able to power even the largest packaged RTUs.

Perfect For:

- ▶ Rural or Off-Grid Homes
- ▶ Pole Buildings, Barns, and Shops
- ▶ Equipment Change-Outs where Three-Phase Isn't Available
- ▶ HVAC Service Trucks with Mobile Power Needs
- ▶ High-End Residential or Commercial Installs Requiring Large BTU-Rated Systems

Flexibility

The Phase Perfect® Powers Virtually Any Three-Phase Load, Wherever You Are:

- ▶ Remote Rural Settings
- ▶ Detached Garages, Shops, and Pole Barns
- ▶ Commercial Facilities Without Three-Phase Access

Traditional utility extension can cost tens, sometimes hundreds, of thousands of dollars. With Phase Perfect, you get utility-grade power at a fraction of the cost—with zero infrastructure delays.

Reliability

With over 20 years of refinement, our solid-state converters are built to last:

No Moving Parts = Less Maintenance, Fewer Failures.

Phase Perfect ensures uninterrupted operation, lower energy costs, and longer equipment life.

ANNUAL SAVINGS CALCULATOR

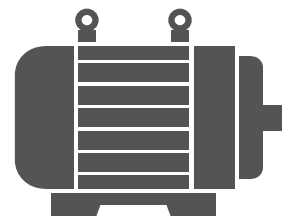
Most importantly, **WE SAVE YOU MONEY.** No costly utility upgrades, just efficient, reliable power for your HVAC system.

\$2,285.34/year

Typical HVAC System Installation, Estimated Annual Savings with Phase Perfect[®] versus Rotary:



Phase Perfect[®]
Digital Phase Converter



Rotary
Phase Converter

Converter Horsepower Needed	20 HP	40 HP
Max Load Amperage	61 A	61 A
Standby Power Consumption	80 W	2260 W
Idle Power Cost	\$111.82	\$3,158.94

Max Load Amperage:

61 A

Amperage rating of largest or combined load that will be connected to the Phase Perfect[®]

Electricity Cost (Per kWh):

\$0.16

The cost in cents per kilowatt/hour your utility charges you for electricity usage. You can estimate costs for your region by looking at the [Average Price Chart on eia.gov](#).

Estimated Power On Time:

52

Weeks per Year

7

Days per Week

Number of weeks per year and days per week you anticipate needing 3 Phase power available. For example: a business with typical operating hours might be 50 weeks per year and 5 days per week, while an elevator installation would require 52 weeks per year and 7 days per week.

Estimated Standby Time:

18

Hours per Day

The number of hours per day you anticipate not drawing a significant 3 Phase load. For example: a typical business might not draw a significant load right away in the morning, during breaks, or over the lunch hour, while an elevator might be idle 20 or more hours per day.

