

INTUITIVELY ENGINEERED

LH

LOW HARMONIC

INDUSTRIAL VFD PANELS & VFD'S



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American-manufactured VFD's and panels with capabilities ranging from 5 to 800 HP, Phase Technologies' Low Harmonic Series is the solution for your motor control needs. Purchase as a standalone drive or customize your unit in an enclosed panel using our 508A panel shop. Take advantage of extra add-on components to increase the efficiency and performance of your unit.

Protect your investment with our all-steel, NEMA 3R enclosures, guaranteed to keep out the elements while allowing your drive to operate at peak performance.



COMMON APPLICATIONS



AGRICULTURE

- ▶ Irrigation
- ▶ Livestock



MUNICIPAL

- ▶ Sewer Bypass
- ▶ Lift Stations



MINING & CONSTRUCTION

- ▶ Dewater
- ▶ Slurry & Tailings Removal
- ▶ Dust & Fire Suppression
- ▶ Evaporation Equipment
- ▶ Process Water



INDUSTRIAL

- ▶ Constant Torque
- ▶ Rotating Equipment
- ▶ Conveyor Belts
- ▶ Rock Crushers
- ▶ Compressors



HVAC

- ▶ Circulating Pumps
- ▶ Cooling Towers
- ▶ Supply Fans
- ▶ Exhaust Fans
- ▶ Air Handlers



OIL & GAS

- ▶ Water, Oil & Mud Transfer
- ▶ Drilling Mud Recirculation
- ▶ Fuel Storage Tank Booster
- ▶ Downhole Pumps



PRODUCT LINEUP



LHX

Low HARMONIC
VARIABLE FREQUENCY DRIVES

5 HP to 500 HP

- ▶ Low Harmonic VFD
- ▶ Voltage Doubling Options
- ▶ Enclosure: Open, NEMA 1



1LH

PHASE CONVERTING
Low HARMONIC VFD PANEL

5 HP to 200 HP

- ▶ Phase Converting
- ▶ AuxPower™
- ▶ Low Harmonic VFD Panel
- ▶ Voltage Doubling Options
- ▶ Enclosure: NEMA 3R



3LH

VOLTAGE DOUBLING
Low HARMONIC VFD PANEL

5 HP to 800 HP

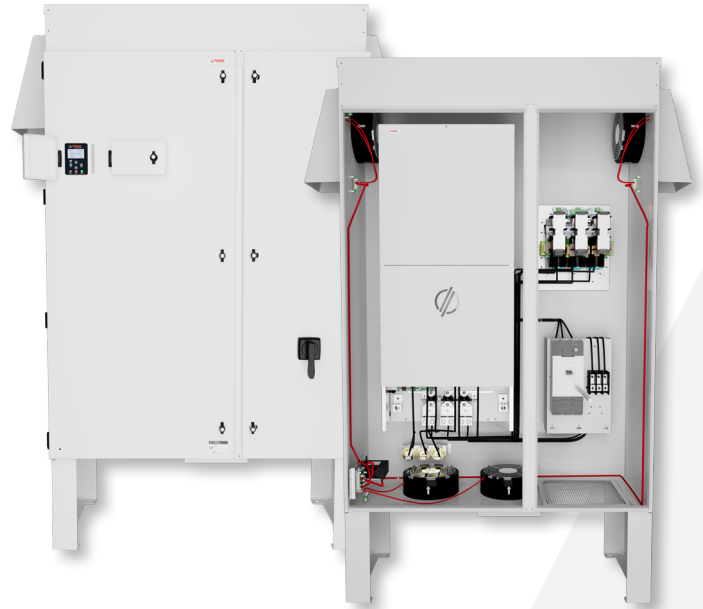
- ▶ Low Harmonic VFD Panel
- ▶ Voltage Doubling Options
- ▶ Enclosure: NEMA 3R

DRIVE FEATURES

- ▶ IEEE-519 compliant without an external harmonic filter
- ▶ Phase Converting and Voltage Doubling capabilities for a variety of input and output options
- ▶ Power Conditioning for smooth power input
- ▶ Available as a standalone drive and enclosed panel configuration
- ▶ Easy Setup Wizards preprogrammed in your system for quick and easy startup

CRAFT YOUR CONFIGURED PANEL

Design the ideal low harmonic unit for your operation, and we'll place you in the correct enclosure size. Enhance the efficiency and performance of your unit with our wide range of add-on components. Phase Technologies will custom build your panel and ship it directly to your home or business for easy installation.



Panel Shop Additional Options

- ▶ **AuxPower™** - 1LH
- ▶ **MCCB** - Service Rated
- ▶ **Motor Protection**
 - dV/dt Output Filter
 - Sine Wave Output Filter
- ▶ **Power Supply**
- ▶ **HOA & Speed Pot**
- ▶ **Run & Fault Light**
- ▶ **Surge Protection**
 - Protec
 - Strikesorb
- ▶ **Leg Kit**

Configured Panel Sizes

