



3LHSERIES
VARIABLE FREQUENCY DRIVE
Low Harmonic | Three-Phase



THREE-PHASE

The Leader In Low Harmonic VFDs **GUARANTEED**



Active Front End Technology

- Guaranteed IEEE 519 compliant without additional harmonic filters*

Regenerative

- Maximize efficiency with balanced, stable voltage to the load and full regeneration on shutdown

PERFECT PRESSURE™

- Setup constant pressure in minutes
- Large backlit graphic display with intuitive menus
- Messages in clear English

Industry Best Lead Times

- 3 to 10 business days

Voltage Doubling Output

- Eliminates the need for transformers while minimizing load wire size

Superior Heat Rejection

- Unique design maximizing component life and minimizing downtime

***Our Guarantee** IEEE 519 Compliance

Phase Technologies guarantees that the **LH** SERIES product line will meet the IEEE 519-2014 standard as long as a minimum load of 80% is maintained as related to the max current rating of the system. If a system does not comply, Phase Technologies will either offer a suitable fix to the bring the panel into compliance or offer a full refund for the purchase price of the panel upon return.

Expanded Enclosure Options



ENTERPRISE

5 HP to 50 HP

Phase Technologies' most value driven product to date

- Compact Design
- Best Value
- Shortest Lead Times (3-5 business days)



SIGNATURE

20 HP to 200 HP

Signature enclosures offer rugged performance & excellence in quality

- Slim & Light Design
- Lower Cost
- Shorter Lead Times (3-7 business days)



PERFORMANCE

20 HP to 500 HP

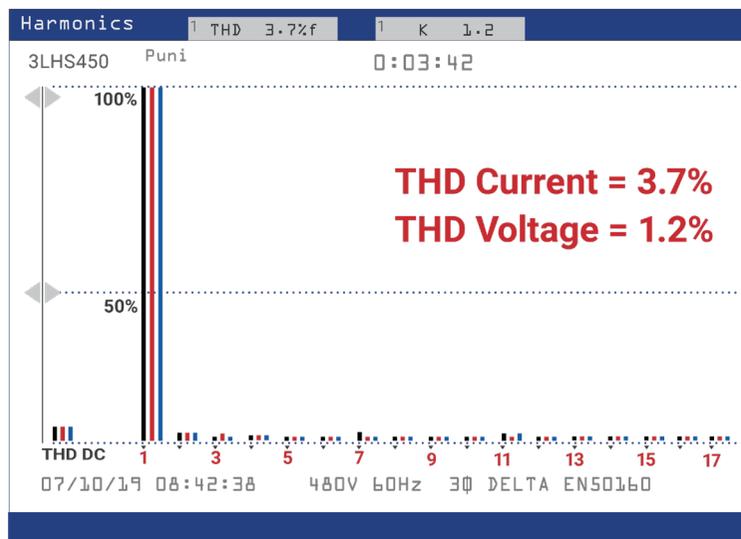
The Performance enclosures offer a large sub-panel with ample space for a multitude of integrated options

- Rugged
- Spacious
- Simple Equipment Integration
- Lead Times (5-10 business days)



Harmonic Profile

3LH SERIES Variable Frequency Drive



508A Panel Shop Options

- **NEW!** Two Contactor System Bypass
- MCCB Service Rated Disconnect
- HOA Switch
- Speed Potentiometer
- Sinewave Filter
- dV/dt Filter
- Strikesorb® Surge Protection
- ProTec® Surge Protection



Superior Heat Rejection

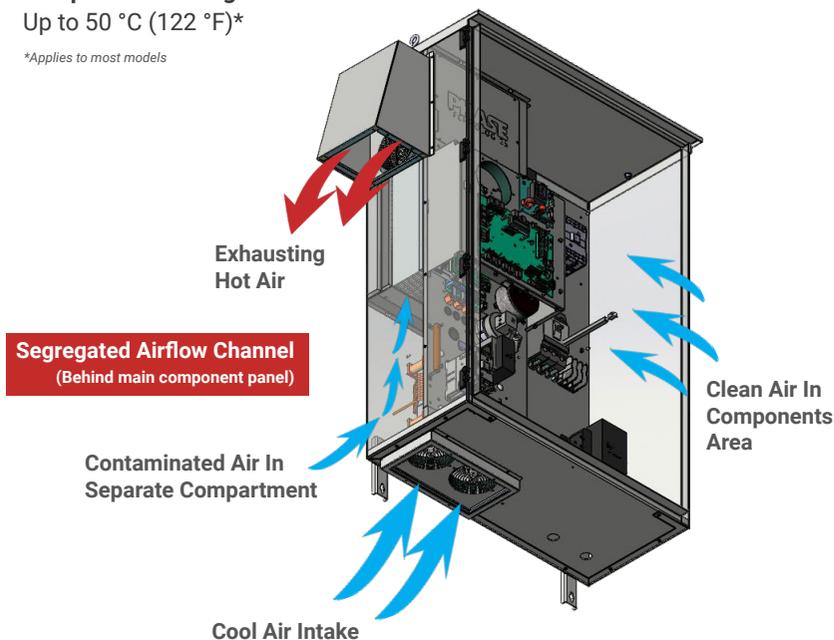
Indirect Cooling

Our innovative cooling design utilizes outside air in a separate compartment segregated from sensitive electronics. It eliminates the risk of contaminated air entering the electronics areas and ultimately prolongs the life and improves the efficiency of internal components.

Temperature Rating

Up to 50 °C (122 °F)*

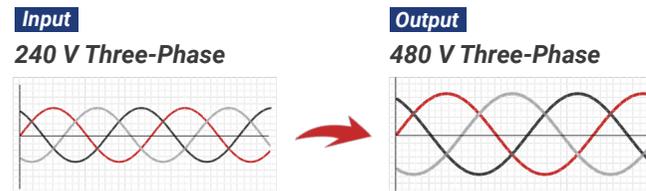
*Applies to most models



American Made & Built To Last

Voltage Doubling

Significant Installation Cost Savings



Designed For Deep Set Wells & Long Lead Applications

- Significantly reduce installation costs
- Smaller motor cable & well size requirements
- Voltage control for deep wells



Standard Lead Time: 3-10 Business Days

HP	Enclosures E S P	Rated Voltage Input Output	Rated Current Input Output	Weight (lbs)* E S P
5 HP	E	240 V 240 V	18 A	100 lbs
		240 V 480 V	18 A 9 A	100 lbs
		480 V 480 V	9 A	100 lbs
7.5 HP	E	240 V 240 V	24 A	115 lbs
		240 V 480 V	24 A 13 A	100 lbs
		480 V 480 V	13 A	100 lbs
10 HP	E	240 V 240 V	31 A	125 lbs
		240 V 480 V	31 A 18 A	130 lbs
		480 V 480 V	18 A	100 lbs
15 HP	E	240 V 240 V	46 A	125 lbs
		240 V 480 V	46 A 24 A	140 lbs
		480 V 480 V	24 A	130 lbs
20 HP	E	240 V 240 V	61 A	125 lbs
	E S P	240 V 480 V	61 A 31 A	150 lbs 220 lbs 450 lbs
	E S P	480 V 480 V	31 A	140 lbs 180 lbs 445 lbs
25 HP	E	240 V 240 V	75 A	145 lbs
		240 V 480 V	77 A 38 A	150 lbs
		480 V 480 V	38 A	145 lbs
30 HP	E	240 V 240 V	91 A	145 lbs
	S P	240 V 480 V	91 A 46 A	340 lbs 615 lbs
	E S P	480 V 480 V	46 A	145 lbs 210 lbs 445 lbs
40 HP	S P	240 V 480 V	121 A 61 A	370 lbs 620 lbs
	E S P	480 V 480 V	61 A	150 lbs 215 lbs 450 lbs
50 HP	S P	240 V 480 V	142 A 77 A	480 lbs 815 lbs
	E S P	480 V 480 V	77 A	155 lbs 220 lbs 450 lbs
60 HP	S P	240 V 480 V	172 A 91 A	530 lbs 890 lbs
		480 V 480 V	91 A	375 lbs 615 lbs
75 HP	S P	480 V 480 V	107 A	380 lbs 620 lbs
100 HP	S P	480 V 480 V	142 A	385 lbs 645 lbs
125 HP	S P	480 V 480 V	172 A	475 lbs 810 lbs
150 HP	S P	480 V 480 V	198 A	480 lbs 890 lbs
200 HP	S P	480 V 480 V	250 A	540 lbs 905 lbs
250 HP	P	480 V 480 V	304 A	910 lbs
300 HP	P	480 V 480 V	362 A	915 lbs
350 HP	P	480 V 480 V	415 A	950 lbs
400 HP	P	480 V 480 V	478 A	1,320 lbs
450 HP	P	480 V 480 V	515 A	1,330 lbs
500 HP	P	480 V 480 V	590 A	1,330 lbs

Enclosure Options

E = Enterprise

NEW! - Compact & versatile enclosure

S = Signature

Slimmer & lighter enclosure

P = Performance

Full-size enclosure & room for integration

*Weights are approximate and vary based on the VFD configuration

Scan to download all 3LH materials electronically

