



PHASE CONVERTING | AUXPOWER™ | LOW HARMONIC
NEMA 3R OUTDOOR ENCLOSURE | 5-200 HP

1LH **Low HARMONIC** CONFIGURED PANEL



Power
Conditioning



Low
Harmonic



AuxPower™
Pivot & Pump



Voltage
Doubling



508A
Panel Shop

Craft Your Configured Panel

Full 508A Panel Shop

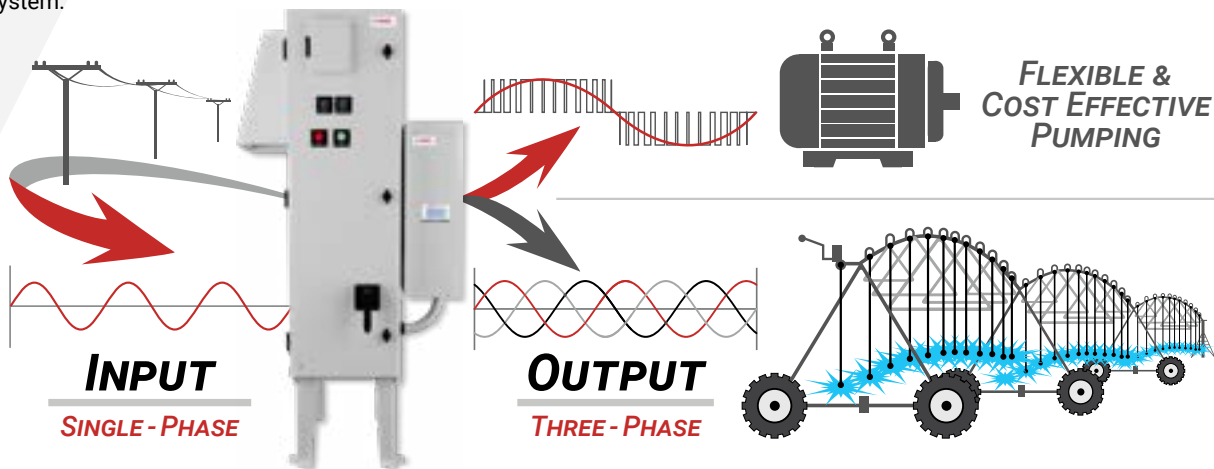
- ▶ **MCCB** - Service Rated
- ▶ **Motor Protection**
 - dV/dt Output Filter
 - Sine Wave Output Filter
- ▶ **Power Supply**
- ▶ **HOA & Speed Pot**
- ▶ **Run & Fault Light**
- ▶ **Surge Protection**
 - Protec
 - Strikesorb
- ▶ **Leg Kit**



AUXPOWER™ Options

Power Your Pivot & Pump With A Single System

Phase Technologies has designed a cutting-edge VFD specifically for center pivot irrigation applications. This variable frequency drive (VFD) provides full-featured speed control of the main pump and the optionally integrated AuxPower™ independently performs phase conversion and powers the pivot and its control system.



1LH

LOW HARMONIC

CONFIGURED PANEL

Features

Phase Conversion

Convert single-phase power to three-phase power while maintaining across the line voltage with advanced motor control capabilities.

Power Conditioning

Our LH panel corrects up to 50% incoming voltage imbalance without oversizing the VFD. Through sophisticated controls and circuitry, incoming power is conditioned and balanced before being sent to the motor. Additionally, the LH panel gives you the ability to dial in the output voltage to your motor specifications for optimal performance. When incoming power quality is questionable and voltage drop is a concern, look to the power conditioning LH panel for your solution.

Low Harmonic Active-Front-End Technology

Phase Technologies guarantees that the LH SERIES product line will meet the IEEE 519- 2014 standard without additional harmonic filters as long as a minimum load of 50% 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.

Power Factor Correcting

Power factor correction (PFC) is the process of improving the power factor of a system and allowing it to run more efficiently. A low power factor indicates inefficient use of electrical power. More current is required to deliver the same amount of real power, leading to higher losses in the electrical distribution system. Lowers Electricity Bills: Lowering the demand for reactive power will reduce utility charges.



VISIT OUR WEBSITE FOR MORE INFO
PHASETECHNOLOGIES.COM

Cutsheet - 1LH Series v3.3_04072026

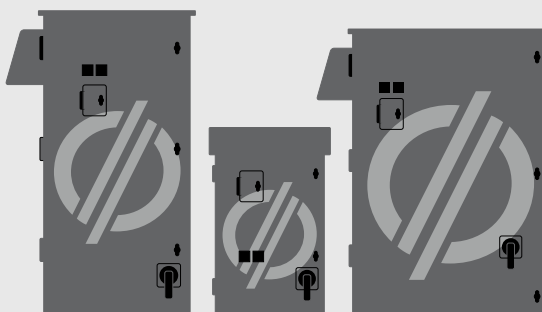


Product Specifications

	Model / Part Number	HP	Rated Current (Input)	Rated Current (Output)
230 V	1LH005	5	26 A	18 A
	1LH007	7.5	37 A	25 A
	1LH010	10	48 A	31 A
	1LH015	15	72 A	46 A
	1LH020	20	97 A	62 A
VOLTAGE DOUBLING 230 V IN — 460 V OUT	1LH205	5	26 A	9 A
	1LH207	7.5	37 A	13 A
	1LH210	10	50 A	18 A
	1LH215	15	67 A	24 A
	1LH220	20	97 A	31 A
	1LH230	30	139 A	46 A
	1LH240	40	196 A	61 A
	1LH250	50	226 A	77 A
460 V	1LH405	5	13 A	9 A
	1LH407	7.5	19 A	13 A
	1LH410	10	26 A	18 A
	1LH415	15	36 A	25 A
	1LH420	20	48 A	31 A
	1LH425	25	60 A	38 A
	1LH430	30	72 A	46 A
	1LH440	40	98 A	61 A
	1LH450	50	121 A	77 A
	1LH460	60	143 A	91 A
	1LH475	75	170 A	107 A
	1LH4100	100	226 A	142 A
	1LH4125	125	273 A	172 A
	1LH4150	150	315 A	198 A
	1LH4200	200	398 A	250 A

PRODUCT BUILDER

[PHASETECHNOLOGIES.COM/PRODUCTS](https://www.phasetechnologies.com/products)



UP-TO-DATE

- ✓ LEAD TIMES
- ✓ PRICING
- ✓ DIMENSIONS