



Standby Power



HEAVY DUTY INDUSTRIAL SPARK-IGNITED STANDBY SERIES

Designed and engineered to ensure the highest level of performance and quality standards.

HIPOWER®
A YANMAR COMPANY



PICTURED: HNI-80 Lvl. 2 | HNI-30 Lvl. 1

HIPOWER SYSTEMS SPARK-IGNITED STANDBY generators are an efficient, reliable, and versatile source of electrical power that has been designed to operate in the most extreme working conditions. They are built by combining an innovative, easy-to-operate design with high-quality materials that provide the user with the most dependable power. The **HEAVY DUTY INDUSTRIAL SPARK-IGNITED STANDBY SERIES** is powered by radiator-cooled, industrial Origin or PSI Spark-Ignited engines that meet current Environmental Protection Agency (EPA) exhaust emission regulations. These engines drive a single-bearing, four-pole, three-phase alternator, with IP23 protection. The Emergency Power kW rating is given with a 125 degree°C alternator winding temperature rise.

STANDARD FEATURES

ENCLOSURE

- Rust-Proof Fastener with rubber washers to protect finish
- High Performance Sound-Absorbing Material
- Gasketed Doors
- Air Discharge Hoods for Radiators- Upward/Downward Pointing
- Lift Off Door Hinges
- Stainless Steel Lockable Handles
- Textured Polyester Powder Coat + Primer

ENGINE SYSTEM

- Oil Drain Extension w/valve
- Air Cleaner
- Fan Guard
- Factory Filled Oil
- Battery Charging Alternator

ELECTRICAL SYSTEMS

- Battery
- Battery Cables
- Battery Tray
- DSE 7410 Controller

ALTERNATOR SYSTEM

- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor 2/3 Pitch
- Full Load Capacity Alternator
- Protective Thermal Switch
- PMG w/ MX341 AVR (250 & up)
- Skewed Stator

COOLING SYSTEM

- Factory-Installed Radiator
- Radiator Drain Extension w/ Valve
- 50/50 Ethylene Glycol Antifreeze

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits – High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Yrs./2,000 Hrs. (Whichever occurs first) parts & labor.

CONFIGURABLE OPTIONS

ENCLOSURE

- Open Skid
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 1 Sound Attenuation (Aluminum Enclosure)
- Level 2 Sound Attenuation (Aluminum Enclosure)

GENERATOR SET

- Extended Test
- Extended Warranty
- Custom Testing
- NFPA110 Kit
- Fuel System Options (Models Vary)

CONTROL SYSTEM

- Spare Inputs (x4) / Output (x4)
- DSE2130 - DSENet Input Expansion Module
- DSE2157 - DSENet Output Expansion Module
- Remote Display Module (HNI-450 & Up)

CIRCUIT BREAKER OPTIONS

- LSI Electronic Trip 80% and 100% Rated
- LS/I Electronic Trip 80% and 100% Rated
- LSI Electronic Trip 80% and 100% Rated
- Thermo-Magnetic Trip 80% and 100% Rated
- Second Main Line Circuit Breaker
- Shunt Trip
- Auxiliary Contacts for MLCB
- Auxiliary Contacts for Secondary Breaker
- Mechanical Lugs

ENGINE SYSTEM

- Oil Heater
- Water Jacket Heater (with Isolation Valves)

ALTERNATOR SYSTEM

- Anti-Condensation Heater
- Rheostat
- PMG with MX321 AVR

ELECTRICAL SYSTEM

- Battery Warmer
- Battery Charger
- 10 Positions Load Center (100 Amps)
- Remote ESTOP with N3R Break Glass
- 120V GFCI Receptacle
- 10A Relay Common Alarm
- 10A Run Relay
- Control Panel Heater
- 8, 16 & 24 LEDs Remote Annunciator on Surface Mounted Box
- AC/DC Enclosure Lighting Kit w/ Timer
- Enclosure Heater

ENGINEERED OPTIONS

ENCLOSURE

- Air Outlet Gravity Dampers
- Air Inlet Motorized Dampers (Only with L2)

ENGINE SYSTEM

- Fluid Containment Pan

GENERATOR SET

- Spring Isolators

CIRCUIT BREAKER OPTIONS

- 3rd Breaker System
- Shunt Trip on 3rd Breaker
- Auxiliary Contact on 3rd Breaker

ELECTRICAL SYSTEMS

- 240V Twist Lock Receptacle

ALTERNATOR SYSTEM

- Bearing RTD's on Alternator (2 per phase)
- Main Stator RTD's on Alternator (2 per phase)
- Tropical Coating
- Alternator Up-sizing

PERFORMANCE	UNITS	HNI 30	HNI 40	HNI 50	HNI 60	HNI 80	HNI 100	HNI 125	HNI 150	HNI 200
Rated standby power 3ø	kW	30	40	50	60	80	99.4	125	150	200
Rated standby power 3ø	kVA	37.5	50	62.5	75	100	124.3	156	187.5	250
Amp capacity @208V	A	104	138	173.5	208	277	341	434	521	694
Amp capacity @480V	A	45	60	75.2	90	120	149.4	188	226	300
Amp capacity @600V	A	36	48	60.1	72	96	119.3	151	180	240
Max. Sound pressure level (LPA) @23' @100% load (L1)	dB(A)	71	77	77	77	77	78	78	78	78
Ambient temp capability	°F/ °C	113/45	113/45	113/45	113/45	113/45	120/50	120/50	120/50	104/40

FUEL CONSUMPTION

Fuel consumption at full load (NG Measured @ fuel inlet)	ft³/h	578.3	1039.2	1039.2	1039.2	1039.2	1,247	1,940	1,940	2,431
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ENGINE

Manufacturer		Origin	Origin	Origin	Origin	Origin	PSI	PSI	PSI	PSI
Model		OE36LCTFC	OE361LCTFTC	OE361LCTFTC	OE361LCTFTC	OE361LCTFTC	5.7LTCAC	8.8LTCAC	8.8LTCAC	8.8LTCACHO
EPA certified		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Nominal power	HP	60	128.9	128.9	128.9	128.9	163.5	261.5	261.5	315.8

STAMFORD ALTERNATOR

Model (480V)		S1L2-J41	S1L2-N41	UCI224D	UCI224E	UCI274C	UCI224G	UCI224E	UCI224F	UCI274H
Automatic voltage regulator (+/-0.5%)		VITA 01	VITA 01	AS440	AS440	AS440	MX341	MX341	MX341	MX341
Insulation		Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Temperature rise	°C	125/40	125/40	125/40	125/40	125/40	125/40	125/40	125/40	125/40

DIMENSIONS & WEIGHT

Dimensions L x W x H Lvl. 1	Inches	113.7 x 46.3 x 62.4					133.8 x 50.3 x 60.1		154 x 55 x 61	
Weight Lvl. 1	Lbs.	2770	3350				4350		6540	

Weights may vary depending on options selected. Specifications and designs are subject to change.

HIPOWER SYSTEMS is committed to delivering robust and reliable spark-ignited standby generators to the Power Generation Industry throughout North America. We stand behind every machine we make. That is why all our generators come with a standard 2 years or 2000 hours (whichever occurs first) parts and labor limited warranty.

APPLICATIONS & USE



OIL/GAS



HOSPITALITY



AGRICULTURE



DATA MGMT.



MANUFACTURING



HEALTHCARE

ROBUSTNESS & SAFETY



UL CERTIFIED



ANSI CERTIFIED



CSA CERTIFIED



NFPA110*



EPA CERTIFIED



EGSA MEMBER

FUEL SYSTEM FLEXIBILITY



NATURAL GAS**



LP/LPV



DUAL FUEL

*Compliant with proper installation and options selected.
 **HNI 500 - Natural Gas Only

The HNI series is designed to be used in stationary and specifying markets with options ranging from fuel types, enclosures, enclosure accessories, I/O expansions, and breaker types, along with many other options creating an almost unlimited number of combinations to be able to meet any engineering specification.

PERFORMANCE	UNITS	HNI 250	HNI 300	HNI 350	HNI 450	HNI 500	HNI 650	HNI 800	HNI 1000
Rated standby power 3ø	kW	250	300	350	448	500	650	800	1000
Rated standby power 3ø	kVA	312	375	437.5	560	625	812.5	1000	1250
Amp capacity @208V	A	867	1040	1214	1555	1734	2255	2775	N/A
Amp capacity @480V	A	375	451	526	673	751	977	1203	1503
Amp capacity @600V	A	300	360	421	541	601	782	962	1202
Max. Sound pressure level (LPA) @23' @100% load (L1)	dB(A)	81	81	TBD	79	79	84	84	79
Ambient temp capability	°F/ °C	114/46	114/46	114/46	114/46	114/46	122/50	118/48	122/50

FUEL CONSUMPTION

Fuel consumption at full load (NG Measured @ fuel inlet)	ft³/h	3,979	3,979	4,144	4,320	4,760	7,309	9,254	11,568
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ENGINE

Manufacturer		PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
Model		13L HO	13L HO	14.6L HO	21.9L	21.9L HO	32L	40L	53L
EPA certified		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Nominal power	HP	469	469	536	684	764	966	1234	1589

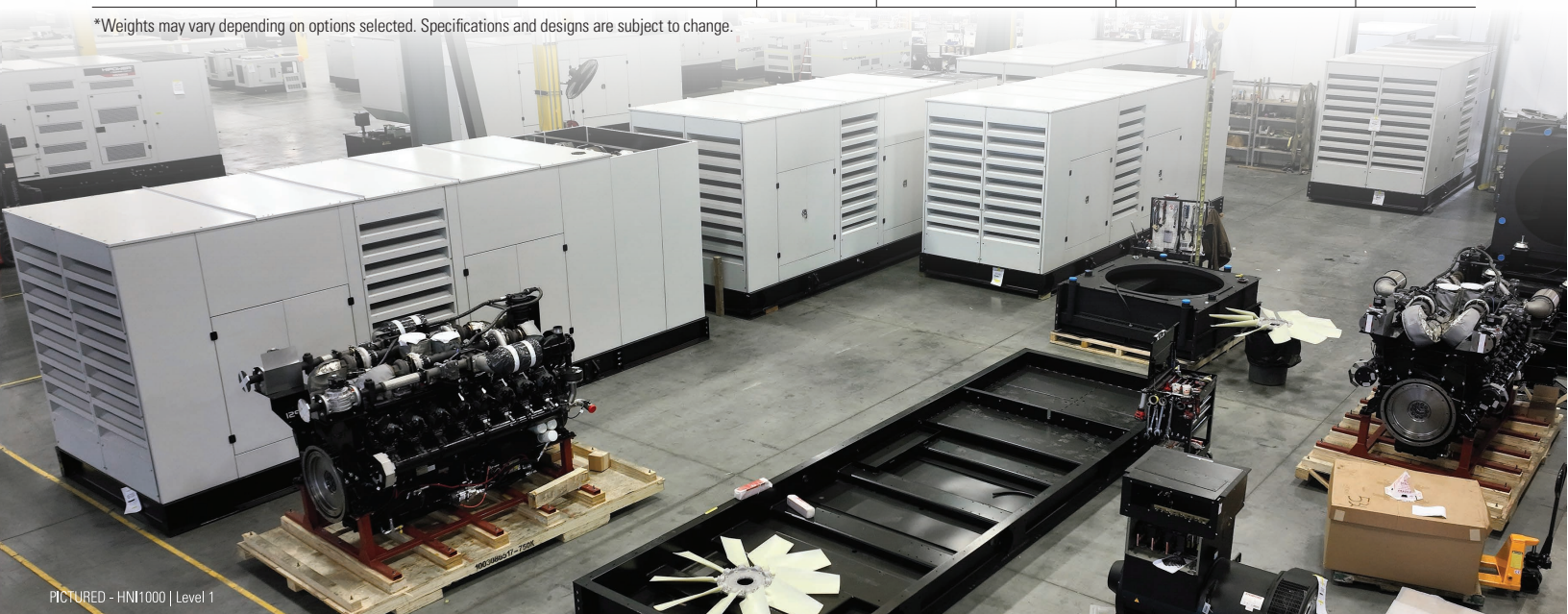
STAMFORD ALTERNATOR

Model (480V)		S41D-C	S41D-D	S41D-E	S41D-G	S51D-D	S51D-F	S61D-C4	S61D-E4
Automatic voltage regulator (+/-0.5%)		MX341	MX341	MX341	MX341	MX341	MX341	MX341	MX341
Insulation		Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Temperature rise	°C	125/40	125/40	125/40	125/40	125/40	125/40	125/40	125/40

DIMENSIONS & WEIGHT

Dimensions L x W x H Lvl. 1	Inches	205 x 75 x 95	235 x 96 x 102	215.7 x 97 x 103.1	240 x 102 x 112		295 x 94 x 115	
*Weight Lvl. 1	Lbs.	9,750	TBD	13,870	19,000	22,500	31,200	

*Weights may vary depending on options selected. Specifications and designs are subject to change.



PICTURED - HNI1000 | Level 1