HEAVY DUTY INDUSTRIAL
DIESEL STANDBY SERIES

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

HIPOWER®
A YANMAR COMPANY

Heavy Duty Industrial Diesel Standby Series

The HIPOWER HEAVY DUTY INDUSTRIAL (HDI) Diesel Standby Series is specifically tailored to meet the needs of the stationary market in North America. Our product line offers reliable power solutions for various commercial, industrial, and mission-critical applications, ranging from 60 kW to 2000 kW. The HDI series comes equipped with a rich range of innovative standard features, along with industry-leading configurable and engineered options. Our HDI series meets tough industry testing and quality standards, including UL 2200, IBC and CSA certifications for models up to 2000 kW, ensuring that the HDI series can meet even the most demanding requirements.

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
- 6 Leads (HDI-1250 to 2000)
- 12 Leads (Up to HDI-1000)
- Class H Insulation Material
- Vented Rotor 2/3 Pitch
- Full Load Capacity Alternator
- Protective Thermal Switch
- Permanent Magnet Excitation (On HDI250 + Higher Models)
- Skewed Stator

FUEL SYSTEM
- Primary Fuel Filter

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.
- Silencer Mounted in the Discharged Hood (Enclosed Models Only)

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)
- Snow Hood (Only with L2)

ENGINE SYSTEM
- Oil Heater
- 120V-1ph Water Jacket Heater (with Isolation Valves)

FUEL TANK
- ULC142 Fuel Tank 12 hrs. (HDI 800-2000 only)
- ULC142 Fuel Tank 24 hrs.
- ULC142 Fuel Tank 48 hrs.

ALTERNATOR SYSTEM
- Anti-Condensation Heater
- Rheostat
- PMG with MX341 AVR or 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
- DSE8610 Parallel Controller + Motorized Breakers. (On HDI400 + Higher Models)
- AC/DC Enclosure Lighting Kit w/ Timer
- Enclosure Heater

GENERATOR SET
- Extended Test
- Extended Warranty
- Custom Testing

CONTROL SYSTEM
- Spare Inputs (x4) / output (x4)
- DSE2130 - DSENet Input Expansion Module
- DSE2157 - DSENet Output Expansion Module
- DSE2520 - Remote Display Module

CIRCUIT BREAKER OPTIONS
- LSI Electronic Trip 80% and 100% Rated
- LSIG Electronic Trip 80% and 100% Rated
- Second Main Line Circuit Breaker
- Shunt Trip
- Auxiliary Contacts for MLCB
- Auxiliary Contacts for Secondary Breaker
- Mechanical Lugs

CERTIFICATIONS
- IBC Certification

ENGINEERED OPTIONS

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

ENGINE SYSTEM
- Fluid Containment Pan
- 208V-3ph Water Jacket Heater (With Isolation Valves)

CIRCUIT BREAKER OPTIONS
- 3rd Breaker System
- Shunt Trip on 3rd Breaker
- Auxiliary Contact on 3rd Breaker

FUEL TANK
- ULC142 Fuel Tank 72 hrs.*
- ULC142 Fuel Tank 96 hrs.*
- Multiple Fuel Tank Accessories

ELECTRICAL SYSTEMS
- 240V Twist Lock Receptacle

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

* For HDI 800-2000, review with sales for feasibility.

PERFORMANCE	Units	HDI 60	HDI 80	HDI 100	HDI 130	HDI 160	HDI 180	HDI 200	HDI 230	HDI 250	HDI 300	HDI 350
Rated standby power 1ø	kW	60	84	100	128	161	N/A	N/A	N/A	N/A	N/A	N/A
Rated standby power 3ø	kW	60	83	100	130	165	180	200	230	250	300	350
Rated standby power 3ø	kVA	75	104	125	162.5	205	225	250	287.5	312.5	375	437.5
Amp capacity @208V	A	208	298	347	451	569	625	694	798	867	1041	1214
Amp capacity @480V	A	90	125	150	195	246	271	301	346	376	451	526
Amp capacity @600V	A	72	100	120	156	197	216.5	241	277	301	361	421
Max. Sound pressure level (LPA) @23' @100% load (L2)	dB(A)	68	69	72	72	72	72	74	72	72	73	73
Ambient temp capability	°F /°C	120/50	122/50	122/50	122/50	122/50	122/50	122/50	122/50	122/50	122/50	122/50
FUEL CONSUMPTION												
Fuel consumption at full load (Standby)	Gal/h	4.99	6.8	7.8	10	12.1	13.3	15.7	18	19.3	21.8	25.7
ENGINE												
Manufacturer		FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Model		N45SM2X	N45TM2X	N67TM1X	N67TM1X	N67TE2X	N67TE2X	C87TE3F	C87TE3F	C87TE3F	C87TE1PV	C13TE3X
EPA certified		TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3	TIER 3
Nominal power	HP	92.5	131.4	198.5	198.5	198.5	268.1	375	375	375	442	497
STAMFORD ALTERNATOR												
Model (480V)		UCI224E	UCI224G	UCI274C	UCI274E	UCI274F	UCI274G	UCDI274H	UCDI274J	S4L1D-C	S4L1D-E4	S4L1D-F4
Automatic voltage regulator (+/-0.5%)		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS440	MX341	MX341	MX341
Insulation		Class H	Class H	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	125/40	125/40

DIMENSIONS & WEIGHT					
Dimensions | L x W x H | Lvl. 1	Inches	113.9 x 46.8 x 60.1	142.1 x 46.3 x 60.1	160 x 55 x 68.1	173 x 55 x 70.1
*Weight | Lvl. 1	Lbs.	3161	4,520	6,540	7,830

*Weights may vary depending on options selected. Single phase available from HDI-60 to HDI-160. Other voltage configurations available upon request. Specifications and designs are subject to change.

HIPOWER SYSTEMS is committed to delivering robust and reliable Heavy Duty Industrial Diesel 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 2,000 hours (whichever occurs first) parts and labor limited warranty.

PICTURED - HDI600/LEVEL 1 & HDI80/LEVEL 2

PERFORMANCE	Units	HDI 400	HDI 515	HDI 600	HDI 800	HDI 1000	HDI 1250	HDI 1600	HDI 2000
Rated standby power 3ø	kW	400	515	600	800	1000	1250	1600	2000
Rated standby power 3ø	kVA	500	644	750	1000	1250	1562	2000	2500
Amp capacity @208V	A	1388	1788	2082	2775	N/A	N/A	N/A	N/A
Amp capacity @480V	A	602	775	902	1202	1503	1879	2406	3007
Amp capacity @600V	A	481	620	722	962	1202	1503	1925	2406
Max. Sound pressure level (LPA) @23' @100% load (L2)	dB(A)	75	76	76	75	75	78	81	83
Ambient temp capability	°F/ °C	122/50	122/50	122/50	113/45	113/45	113/45	113/45	113/45
FUEL CONSUMPTION									
Fuel consumption at full load (Standby)	Gal/h	27.9	35.8	42.3	65	72.5	97.2	124.5	155
ENGINE									
Manufacturer		Volvo	Volvo	Volvo	MHI	MHI	MHI	MHI	MHI
Model		TAD 1353GE	TAD 1641GE-B	TWD 1644GE	S12A2 Y2PTAW-2	S12A2 Y2PTAW-2	S12R Y2PTAW-1	S16R Y2PTAW-1	S16R Y2PTAW2-1
EPA certified		TIER 3	TIER 2	TIER 2	TIER 2	TIER 2	TIER 2	TIER 2	TIER 2
Nominal power	HP	611	768	876	1207	1207	1881	2346	2923
STAMFORD ALTERNATOR									
Model (480V)		S4L1D-F4	HCI534D	HCI534E	S6L1D-C	S6L1D-E	S6L1D-H	S7L1D-D	S7L1D-G
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	186 x 68.5 x 84	207 x 68.5 x 93.1		257 x 94 x 113.5		278 x 102 x 120	350 x 102 x 135	
*Weight | Lvl. 1	Lbs.	9,300	9,300		21,740	25,670	31,000	42,050	

*Weights may vary depending on options selected. Single phase available from HDI60 to HDI160. Other voltage configurations available upon request. Specifications and designs are subject to change.

PICTURED - HDI2000 | Level 1 & Open Skid

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