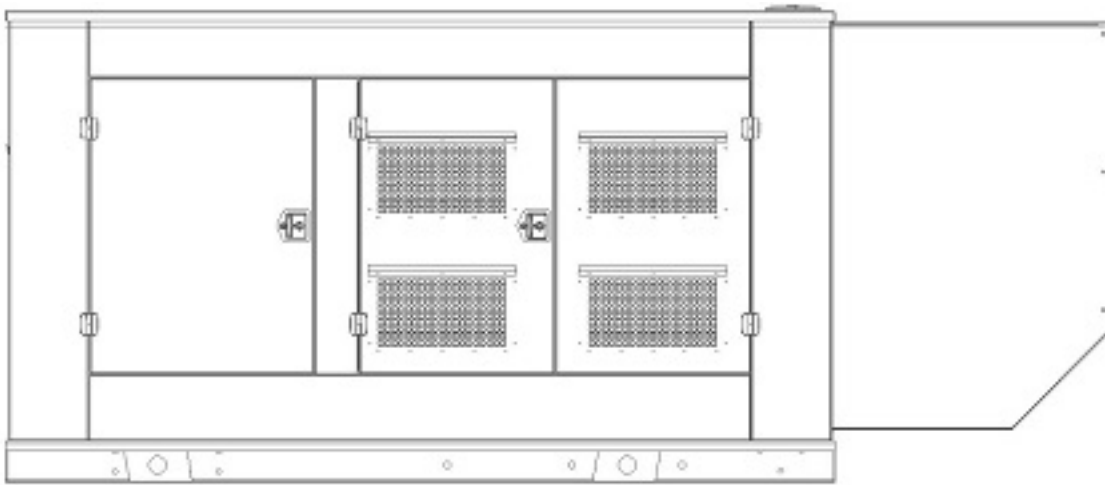


## Technical Specification and Scope of Supply

### HDI 250F T6U



Proposed To:	Simson Maxwell, FAO Chad Gibson
Address:	Located in Calgary AB
Ship To:	Simson Maxwell
Address:	Located in Calgary AB
Quote #:	HP86113
Job Title:	2104 - Osprey Electric
Sales Associate:	Chad Gibson
Date:	9/29/2023
Bid Closing Date:	9/19/2023
Quote Validity:	30 days
Lead Time:	30 weeks



**SIMMAX**

**System Description**

Product Type	HDI 250F T6U
Application Group	Stationary

**Power as per HiPOWER Data sheet**

Kilowatts - Prime	0	kWel
Kilowatts - Standby	250	kWel
Engine Make	FPT	
Engine Type	C87TE1D	
Engine Speed	1800	rpm
Frequency	60	Hz
Generator voltage	347/600 - 3ø	V
Noise, Open	TBA	
Noise, Enclosed	74 dBA @ 23 ft. (L1)	
Weight, Open	4,730 lbs.	
Weight, Enclosed	6,540 lbs. (L1)	
Dimensions, Open	120" x 55" x 60"	
Dimensions, Enclosed	160" x 55" x 68.1" (Level1)	
Phase	Three	
Unit Specification	UL2200, CSA	
Temp Rise	120	°C
Exhaust Emissions (EPA)	Tier 3	
Radiator Design Temperature	50	°C



**SIMSON MAXWELL**  
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**1 SYSTEM CONFIGURATION**

**1.1 System Description**

HDI 250F T6U Diesel Engine Generator Set. 250KW @ 347/600 VAC. Standby

**1.2 GENERATOR SET ENCLOSURE**

120V GFCI Receptacle

AC/DC Enclosure Lighting Kit with Timer

Air Inlet motorized dampers (only available with L2) (ENGINEERED OPTION)

Air Outlet Gravity dampers (ENGINEERED OPTION)

Enclosure Space Heater

Genset Protective Shrink Wrap for Shipping

LEVEL 2 - Sound Attenuated Enclosure

**1.3 STARTING AIDS**

JACKET WATER HEATER W/PUMP 1500W 120V 80F-125F UL2200 - 3309220 - HD03

BATTERY CHARGER 10A@24V UL LISTED SENS MICROGENIUS 300

**1.4 CIRCUIT BREAKER CONFIGURATION**

MLCB 300 Amps ABB XT5NU330ABFF000XXX - TMA - 80% RATED (STANDARD BREAKER) (\$994.24) x 1

**1.5 CIRCUIT BREAKER**

Auxiliary Contacts for XT Circuit Breaker (\$149.39) x 1

**2 ENGINE CONFIGURATION**

**2.1 Engine Description**

FPT-IVECO C87TE3F, Long-life, heavy-duty, 4-cycle, direct injection engine. EPA Certification Tier Level 3

**2.2 FUEL SYSTEM**

ULC 142-72 hrs - ULC 142 Double wall Aboveground Flammable Liquid Tanks (ENGINEERED OPTION)

5 Gal spill box

Low fuel switch

**3 GENERATOR END CONFIGURATION**

**3.1 Generator End Description**

STAMFORD S4L1S-C4 (WDG 17) Brushless, Four Pole Rotating Field, Class H Insulation (125 °C Temp. Rise), IP23. Single Bearing. 2/3 Pitch Winding. Automatic voltage regulator

**3.2 GENERATOR END OPTIONS**

PMG with MX341

## 4 CONTROL PANEL CONFIGURATION

### 4.1 Cont. Panel Description

Digital controller with auto and manual start capability. with push button reset. LCD Display that offers AC metering, protective relaying and engine and generator control and monitoring. Engine and generator controls, diagnostics, and operating information are accessible via the control panel keypads

### 4.2 CONTROLLERS

DSE7410-Controller Upgrade with RS485-RS232-Ethernet connections  
(Controller upgrade with RS485-RS232-Ethernet connections)

## 5 PAINTING

### 5.1 Painting Details

**SIMMAX Systems** uses Interpon A4700 primer for a base coat on all powder coated parts.

**SIMMAX Systems** canopies are coated with Interpon 600 SIMMAX matte gray. Interpon 600 series coatings are designed for exterior exposure and offers excellent light and weather resistance. This coating coupled with the A4700 primer offer 5 mils of premium coating to all our canopies.

- Base skid is epoxy-polyester powder painted - Standard RAL9005 color
- Enclosure is epoxy-polyester powder painted - Standard RAL7035 color
- Other colors available upon request

## 6 ADDITIONAL OPTIONS CONFIGURATION

### 6.1 ADDITIONAL OPTIONS DESCRIPTION

10A Relay Common Alarm  
10A Run Relay  
Coolant Level Switch

## 7 SERVICE AND AFTER SALES

### 7.1 Details

SIMSON-MAXWELL is committed to offer a Superior Customer Service for an Outstanding Experience, from pre-sales, sales, and after sales support

## 8 MISCELLANEOUS

### 8.1 Details

One USB drive including Electrical Schematics, Control Panel manual, Warranty Statements, Engine manual, Generator end manual and Generator set manuals is provided with the unit

## 9 FUNCTIONAL TESTS

### 9.1 Tests

Standard acceptance testing performed under SIMMAX quality specification



**SIMMAX**

**9.2 TESTING**

Standard 30 Minute Load Bank Test at 1.0 pf



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**SIMMAX**

## **10 SHIPPING CONDITIONS**

### **10.1 Details**

All units are shipped wet, with all the fluid included minus fuel supply (unless otherwise specified)

## **11 SALES TERMS AND CONDITIONS**

### **11.1 Details**

Standard Terms and Conditions apply. Read carefully attached SIMMAX Terms and Conditions of Sale

## **12 WARRANTY**

### **12.1 WARRANTY DETAILS**

Standard Limited Warranty 2 years / 2000 hours

Base Model Price:

Options Price:

Total Net Price, Less any Taxes, Ex-Factory, Olathe, Kansas

Warranty: Standard Limited Warranty 2 years / 2000 hours

Freight Freight Not Included

**Grand Total Net Price**



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