

# **RENTAL DIESEL GENERATOR SET**

MODEL

# **HRJW-240 T4F**











#### 60Hz RENTAL/PRIME/STANDBY POWER





VOLTAGE VAC	120/240V		120/208V		139/240V		277/480 <b>V</b>		347/600V**	
RATING	Prime	Standby	Prime	Standby	Prime	Standby	Prime	Standby	Prime	Standby
PHASE	1		3		3		3		3	
PF	1.0		0.8		0.8		0.8		0.8	
HZ	60		60		60		60		60	
KW		153.6		211.0	192.0	211.0		211.0	N/A	N/A
KVA		153.6		264.0	240.0	264.0		264.0	N/A	N/A
AMPS	582	640	666	733	582	640	289	318	N/A	N/A
SKVA@30% VOLTAGE DIP	611		840		840		840		N/A	

### Description

HIPOWER rental generators are an efficient, reliable and versatile source of mobile electrical power. Designed to operate in the most extreme working conditions. All HIPOWER Rental Generators combine an innovative design and the use of high quality materials that provide the user with the most dependable power that you can rely on for non-stop power with easy to operate controls.

Powered by a radiator-cooled, industrial JOHN DEERE Diesel engine, which meets current Environmental Protection Agency (EPA) TIER 4 Final non-road exhaust emission regulations, driving a single bearing, four-pole, three-phase alternator, with IP23 protection. The Prime Power kVA rating for generator set is given with a 105 degree °C alternator winding temperature rise.

#### HIPOWER® Features and Benefits

JOHN DEERE Diesel Engine: Long-life, heavy-duty, 4-cycle, direct injection engine for economy of operation and maximum reliability and durability. Capable of full rated load acceptance in one step.

Cooling: Radiator with belt driven pusher fan.

Air Filter: Heavy-duty replaceable element air-cleaner.

Alternator: Single bearing, rotating field, self-excited, self-ventilated, 12-wire reconnectable, 60Hz brushless alternator with permanent magnetic generator (EBS), with Class F insulation. Automatic voltage regulator (AVR) providing close voltage regulation and skVA starting capability for electric motor loads.

Certification: ISO 8528-5.

## HIPOWER® Features and Benefits

Fuel Tank: Environmentally friendly steel base welded sub-base fuel tank with internal filling system and 110% containment capability for any diesel fuel, coolant or engine oil spills. Easy access for maintenance activities.

Enclosure: Fully sound attenuated enclosure, fabricated in 11-gauge steel, powder coated with finish that exceeds 1000-hr salt spray test, curved edges, minimum outside fasteners and single point lift. Ample layer of durable Rockwool sound insulating material placed all around the inside of the container, doors and ducting with metal retaining frames. It can be cleaned with high-pressure water and is oil and fire resistant. Vertical air discharge for quiet operation. Wide steel lockable access doors with rubber seals, easy access for maintenance and service activities, lift off stainless steel hinges, corrosion resistant hardware and fasteners.

Exhaust: Low noise, steel residential-type exhaust silencer with rain cap.

Fuel Filtration: Standard and secondary water separator with visible level on fuel filters

Voltage Selector Switch: Three-position, manual voltage selector switch. Lockable in three positions for switching set between 120/240V single phase and 120/208 and 277/480V 3-phase.

Controls: Digital control panel with manual and automatic start and stop features. Many programmable automatic functions for local and remote controls with LED lights, tamper proof engine hour recorder. Load Connections: Covered distribution panel for easy access to cable power outlets, receptacles, lugs and Camloks.

Codes and Standards Compliances used where applicable









## APPLICATION DATA

ENGINE SPECIFICATION	
Manufacturer	JOHN DEERE
Model	6068HFG06
EPA certified	Tier 4 FINAL
Crankshaft speed	1,800 rpm
Туре	Diesel, 4-stroke
Injection	Direct
Aspiration	Turbocharged
Number of Cylinders	4
Cylinder arrangement	In-line
Displacement CID (liters)	414.96 (6.8)
Bore and Stroke ins (mm)	4.17 × 5.0 (106 × 127)
Nominal power	257 hp
Cooling	Liquid
Governor	Electronic
Governor Regulation Class	ISO 8528 Part 1 Class G3
Frequency Regulation	Isochronous
Starting motor & alternator	12 volt
Compression ratio	17.2:1
Air cleaner type	Heavy duty - single cartridge
Exhaust gas flow cu. ft./minute (cu.m. /minute)	932 (26.4)
Max. Exhaust temp at full load degrees °F (°C)	756 (402)
Max. permissible back pressure - ins H2O (kPA )	53 (13.2)
COOLING SYSTEM	
Engine cooling air flow - cu. ft./min (cu. m/min)	565 (16)
Alternator cooling flow - cu. ft./min (cu. m/min)	1463 (41.1)
Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min)	TBD
Total cooling capacity - US gallons (liters)	TBD
Max. Operating Temperature °F (°C)	122 (50)
LUBRICATION SYSTEM	
Oil pan capacity - US gallons (liters)	9.03 (34.0)
Oil pan capacity with filter - US gallons (liters)	9.53 (35.8)
Ol cooler	Liquid
Recommended lubricating oil grade	SAE 10W-40 conventional DH4 (refer to owners manual)
Oil consumption at full load	< 0.1% of fuel consumption
Oil pressure – psi (kPA)	46 (320)
ENGINE ELECTRICAL SYSTEM	
Starting motor voltage	12 volt
Cold Cranking Amps - minimum	102 Amp
Battery charging Alternantor	110 Amp









#### **APPLICATION DATA**

Max. lift, fuel pump, type, m (ft)         TBD           Fuel filter         Secondary 8 Microns @ 98% Efficiency           FUEL COMPSUNTION         Standby Power Rating         Prime Power Rating           100% load - US gallons/hour         N/A         13.           50% load - US gallons/hour         N/A         10.4           50% load - US gallons/hour (liters)         N/A         7.2           25% load - US gallons/hour (liters)         N/A         4.4           AUTENNATOR SPECIFICATION           Model         UCDI 274 J with PMG           Voltages         120/208v.; 277/480v.; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (EC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full	FUEL SYSTEM		
Fuel return line,min. ID, mm (in.)  Max. Iff, fuel pump, type, m (ft)  Fuel filter  Secondary 8 Microns © 98% Efficiency  FUEL COMPSUNTION  Standby Power Rating  N/A  13.  75% load - US gallons/hour  N/A  10.4  75% load - US gallons/hour  N/A  72  25% load - US gallons/hour (iters)  N/A  A 72  25% load - US gallons/hour (iters)  N/A  A 72  25% load - US gallons/hour (iters)  N/A  A 72  25% load - US gallons/hour (iters)  Manufacturer  STAMFORD  Model  UCDI 274 J with PMG  Voltages  120/2081; 277/480x; 120/240V  Alternator Type  Four pole, rotating field  Excitation System  Brushless, PMG-excited  Power factor  0,8/10  Number of leads  12 leads, reconnectable  Stator Pitch  Windings - Temperature Rise  Class H  Windings - Temperature Rise  Enclosure (IEC-34-S)  IP23  Bearing  Single, sealed  Coupling  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  < 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  A 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  A 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF  A 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF A 50  Amortisseur windings  Full  Voltage regulation - no load to full load with MX341 AVR  ± 1%  TIF A 50	Recommended fuel	# 2 - ULSD	
Max. lift, fuel pump, type, mr (ft)         TBD           Fuel filter         Secondary 8 Microns © 98% Efficiency           Fuel CLC COMPSUNTION         Standby Power Rating         Prime Power Rating           100% load – US gallons/hour         NA         13.           50% load – US gallons/hour         NA         10.4           50% load – US gallons/hour (liters)         NA         10.4           ALTERNATOR SPECIFICATION           Manufacture         STAMFORD           Model         UCD1 2% J with PMG           Voltages         120/2009, 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless, PMC-excited           Power factor         0.81,0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings — Femperature Rise         Class F (105/40° C)           Enclosure (EC-34-S)         IP23           Bearing         Single, sealed           Coulying         Full           Voltage regulation —	Fuel supply line, min. ID mm(in.)		
Secondary 8 Microns @ 98% Efficiency   Filter   Fower Rating   Prime Power Rating   Prime P	Fuel return line,min. ID, mm (in.)	-	
FUEL COMPSIUNTION         Standby Power Rating         Prime Power Rating           100% load - US gallons/hour         N/A         13.           57% load - US gallons/hour         N/A         12.           50% load - US gallons/hour (liters)         N/A         72.           25% load - US gallons/hour (liters)         N/A         4.4           ALTERNATOR SPECIFICATION           Manufacturer         STAMFORD         Voltage           Model         UCDI 274 J with PMG         Voltages           Voltages         120/206v.; 277/180v.; 120/240V         Voltages           Alternator Type         Four pole, rotating field         Excitation System         Brushless, PMG-excited           Power factor         0.8 / 1.0         Voltages         12 leads, reconnectable           Stator Pitch         2/3         Voltages         12 leads, reconnectable         Voltages required search         <	Max. lift, fuel pump, type, m (ft)	TBD	
100% load - US gallons/hour         N/A         13.           75% load - US gallons/hour         N/A         10.4           50% load - US gallons/hour (liters)         N/A         72           25% load - US gallons/hour (liters)         N/A         4.4           ALTERNATOR SPECIFICATION           Manufacturer         STAMFORD           Model         UCD1 27/4 J with PMG           Voltages         120/208v; 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Evoitation System         Brushless, PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40* C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage requietion – no load to full load with MX341 AVR         ± 1%           TIF         450           Radio Frequency Emissions compliance         Meets requirements of most industrial and commercial applications           Line harm	Fuel filter	Secondary 8 Microns @ 98% Efficiency	
75% load - US gallons/hour         N/A         10.4           50% load - US gallons/hour (liters)         N/A         4.4           25% load - US gallons/hour (liters)         N/A         4.4           ALTERNATOR SPECIFICATION         VICTUAL SPECIFICATION         VICTUAL SPECIFICATION           Mondel         UCDI 274 J with PMG         VICTUAL SPECIFICATION           Model         UCDI 274 J with PMG         VICTUAL SPECIFICATION           Alternator Type         For potenting field         VICTUAL SPECIFICATION           Excitation System         Brushless. PMG-excited         VICTUAL SPECIFICATION           Power factor         0.8/1.0         VICTUAL SPECIFICATION           Number of leads         12 leads, reconnectable         VICTUAL SPECIFICATION           Stator Pitch         2/3         VICTUAL SPECIFICATION           United and Security         Class F         (105/40° C)           Enclosure (IC-34-S)         IP23         VICTUAL SPECIFICATION           Bearing         Single, sealed         VICTUAL SPECIFICATION           C	FUEL COMPSUNTION	Standby Power Rating	Prime Power Rating
50% load - US gallons/hour (liters)         N/A         7.2           25% load - US gallons/hour (liters)         N/A         4.4           ALTERNATOR SPECIFICATION           Model         UCDI 274 J with PMG           Voltages         120/208v; 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless, PMG-excited           Power factor         0.8/1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class F (105/40° C)           Enclosure (IC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         IP23           Voltage regulation – no load to full load with MX341 AVR         ± 1%           End         50           Radio Frequency Emissions compliance         Meets requirements of most industrial and commercial applications           Line harmonics         50           TXTANDAD ACCESSORIES         ***           * Air Filter Restriction Indicator         * Buck Transformer for Auxiliary 120/AC Outlets           * Leakage Detection Sensor         * Water Jacket Heater           * Leakage Detec	100% load – US gallons/hour	N/A	13.
25% load - US gallons/hour (liters)         N/A         4.4           ALTERNATOR SPECIFICATION           Manufacturer         STAMFORD           Model         UCDI 274 J with PMG           Voltages         120/208v; 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless, PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings - Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50           Radio Frequency Emissions compliance         Meets requirements of most industrial and commercial applications           Line harmonics         5% maximum           STANDARD ACCESSORIES           *Air Filter Restriction Indicator         * Buck Transformer for Auxiliary 120VAC Outlets           * Leakage Detection Sensor         * Water Jacket Heater </td <td>75% load - US gallons/hour</td> <td>N/A</td> <td>10.4</td>	75% load - US gallons/hour	N/A	10.4
ALTERNATOR SPECIFICATION           Manufacturer         STAMFORD           Model         UCDI ZRJ J with PMG           Voltages         120/208v; 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless, PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings—Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	50% load - US gallons/hour	N/A	7.2
Manufacturer         STAMFORD           Model         UCD1 274 J with PMG           Voltages         120/208x; 277/480x; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	25% load - US gallons/hour (liters)	N/A	4.4
Model         UCDI 274 J with PMG           Voltages         120/208v.; 277/480v.; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	ALTERNATOR SPECIFICATION		
Voltages         120/208v; 277/480v; 120/240V           Alternator Type         Four pole, rotating field           Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	Manufacturer	STAMFORD	
Alternator Type         Four pole, rotating field           Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	Model	UCDI 274 J with PMG	
Excitation System         Brushless. PMG-excited           Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50           Radio Frequency Emissions compliance         Meets requirements of most industrial and commercial applications           Line harmonics         5 maximum           STANDARD ACCESSORIES           *Air Filter Restriction Indicator         * Buck Transformer for Auxiliary 120VAC Outlets           * Leakage Detection Sensor         * Water Jacket Heater           * Battery Switch         * Shunt Trip on MLCB           * Crankcase Ventilation Filter         * 3 Position Voltage Selector Switch           * Oil/Coolant Drain Extention         * PMG Excitation on Alternator           * Distribution Panel 800A         * Leakage Detector Sensor           * Leak Auxiliary Contacts         * Leak Proof Tray	Voltages	120/208v.; 277/480v.; 120/240V	
Power factor         0.8 / 1.0           Number of leads         12 leads, reconnectable           Stator Pitch         2/3           Insulation         Class H           Windings – Temperature Rise         Class F (105/40° C)           Enclosure (IEC-34-S)         IP23           Bearing         Single, sealed           Coupling         Flexible disc           Amortisseur windings         Full           Voltage regulation – no load to full load with MX341 AVR         ± 1%           TIF         <50	Alternator Type	Four pole, rotating field	
Number of leads  Stator Pitch  2/3  Insulation  Class H  Windings – Temperature Rise  Enclosure (IEC-34-S)  Bearing  Coupling  Amortisseur windings  Full  Voltage regulation – no load to full load with MX341 AVR  TIF  450  Radio Frequency Emissions compliance  Line harmonics  STANDARD ACCESSORIES  - Air Filter Restriction Indicator  - Battery Switch  - Battery Switch  - Crankcase Ventilation Filter  - Oll/Coolant Drain Extention  - Distribution Panel 800A  - Mindings — Class F (105/40° C)  Class H  Class F (105/40° C)  Class H  Class F (105/40° C)  Class F (105/40° C)  Class F (105/40° C)  Class H  Class F (105/40° C)  Flexible disc  Flexible	Excitation System	Brushless. PMG-excited	
Stator Pitch  2/3  Insulation  Class H  Windings – Temperature Rise  Class F (105/40° C)  Enclosure (IEC-34-S)  Elearing  Single, sealed  Coupling  Flexible disc  Amortisseur windings  Full  Voltage regulation – no load to full load with MX341 AVR  ### ### ### ### ### ### ### ### ### #	Power factor	0.8 / 1.0	
Insulation Class H  Windings – Temperature Rise Class F (105/40° C)  Enclosure (IEC-34-S) IP23  Bearing Single, sealed  Coupling Flexible disc  Amortisseur windings Full  Voltage regulation – no load to full load with MX341 AVR ± 1%  TIF <50  Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications  Line harmonics 5% maximum  STANDARD ACCESSORIES   Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets  • Leakage Detection Sensor • Water Jacket Heater  • Battery Switch • Shunt Trip on MLCB  • Crankcase Ventilation Filter • 3 Position Voltage Selector Switch  • Oil/Coolant Drain Extention • PMG Excitation on Alternator  • Distribution Panel 800A • Leakage Detector Sensor  • MLCB Auxiliary Contacts	Number of leads	12 leads, reconnectable	
Windings – Temperature Rise  Class F (105/40° C)  Enclosure (IEC-34-S)  Bearing  Single, sealed  Coupling  Flexible disc  Amortisseur windings  Full  Voltage regulation – no load to full load with MX341 AVR  ± 1 %  TIF  <50  Radio Frequency Emissions compliance  Meets requirements of most industrial and commercial applications  Line harmonics  5% maximum  STANDARD ACCESSORIES  • Air Filter Restriction Indicator  • Buck Transformer for Auxiliary 120VAC Outlets  • Leakage Detection Sensor  • Water Jacket Heater  • Battery Switch  • Shunt Trip on MLCB  • Crankcase Ventilation Filter  • 3 Position Voltage Selector Switch  • Oil/Coolant Drain Extention  • PMG Excitation on Alternator  • Distribution Panel 800A  • Leakage Detector Sensor  • Leakage Detector Sensor	Stator Pitch	2/3	
Enclosure (IEC-34-S) Bearing Single, sealed Coupling Flexible disc Amortisseur windings Full Voltage regulation – no load to full load with MX341 AVR ### 1%  TIF ### 550 Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications Line harmonics #### 5% maximum  STANDARD ACCESSORIES  ### Air Filter Restriction Indicator Air Filter Restriction Sensor Air Filter Restriction Sensor  ### Water Jacket Heater  ### 8attery Switch A Shunt Trip on MLCB Crankcase Ventilation Filter A Sposition Voltage Selector Switch Cil/Coolant Drain Extention  ### PMG Excitation on Alternator  ### Distribution Panel 800A  ### Leakage Detector Sensor  ### Leakage Detector Sensor  ### MLCB Auxiliary Contacts  ### Leakage Detector Sensor	Insulation	Class H	
Bearing Single, sealed Coupling Flexible disc Amortisseur windings Full Voltage regulation – no load to full load with MX341 AVR ± 1%  TIF <50 Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications Line harmonics 5% maximum  STANDARD ACCESSORIES  • Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets • Leakage Detection Sensor • Water Jacket Heater • Battery Switch • Shunt Trip on MLCB • Crankcase Ventilation Filter • 3 Position Voltage Selector Switch • Oil/Coolant Drain Extention • Distribution Panel 800A • Leakage Detector Sensor • MLCB Auxiliary Contacts • Leak Proof Tray	Windings – Temperature Rise	Class F (105/40° C)	
Coupling Flexible disc  Amortisseur windings Full  Voltage regulation – no load to full load with MX341 AVR ± 1%  TIF < 50  Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications  Line harmonics 5% maximum  STANDARD ACCESSORIES   Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets  • Leakage Detection Sensor • Water Jacket Heater  • Battery Switch • Shunt Trip on MLCB  • Crankcase Ventilation Filter • 3 Position Voltage Selector Switch  • Oil/Coolant Drain Extention  • Distribution Panel 800A • Leakage Detector Sensor  • MLCB Auxiliary Contacts • Leak Proof Tray	Enclosure (IEC-34-S)	IP23	
Amortisseur windings Full  Voltage regulation – no load to full load with MX341 AVR  ± 1%  TIF  <50  Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications  Line harmonics 5% maximum  STANDARD ACCESSORIES  • Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets • Leakage Detection Sensor • Water Jacket Heater • Battery Switch • Shunt Trip on MLCB • Crankcase Ventilation Filter • 3 Position Voltage Selector Switch • Oil/Coolant Drain Extention • Distribution Panel 800A • Leakage Detector Sensor • MLCB Auxiliary Contacts • Leak Proof Tray	Bearing	Single, sealed	
Voltage regulation – no load to full load with MX341 AVR ± 1%  TIF < 50  Radio Frequency Emissions compliance Meets requirements of most industrial and commercial applications Line harmonics 5% maximum  STANDARD ACCESSORIES  • Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets • Leakage Detection Sensor • Water Jacket Heater • Battery Switch • Shunt Trip on MLCB • Crankcase Ventilation Filter • 3 Position Voltage Selector Switch • Oil/Coolant Drain Extention • PMG Excitation on Alternator • Distribution Panel 800A • Leakage Detector Sensor • MLCB Auxiliary Contacts • Leak Proof Tray	Coupling	Flexible disc	
TIF < <50 Radio Frequency Emissions compliance	Amortisseur windings	Full	
Radio Frequency Emissions compliance  Meets requirements of most industrial and commercial applications  5% maximum  STANDARD ACCESSORIES  • Air Filter Restriction Indicator  • Buck Transformer for Auxiliary 120VAC Outlets  • Leakage Detection Sensor  • Water Jacket Heater  • Battery Switch  • Shunt Trip on MLCB  • Crankcase Ventilation Filter  • 3 Position Voltage Selector Switch  • Oil/Coolant Drain Extention  • PMG Excitation on Alternator  • Distribution Panel 800A  • Leakage Detector Sensor  • Leak Proof Tray	Voltage regulation – no load to full load with MX341 AVR	± 1%	
Line harmonics 5% maximum  STANDARD ACCESSORIES   Air Filter Restriction Indicator	TIF	<50	
• Air Filter Restriction Indicator • Buck Transformer for Auxiliary 120VAC Outlets • Leakage Detection Sensor • Water Jacket Heater • Battery Switch • Crankcase Ventilation Filter • Oil/Coolant Drain Extention • Distribution Panel 800A • MLCB Auxiliary Contacts • Buck Transformer for Auxiliary 120VAC Outlets • Water Jacket Heater • Water Jacket Heater • Shunt Trip on MLCB • Shunt Trip	Radio Frequency Emissions compliance	Meets requirements of most industrial and	commercial applications
<ul> <li>Air Filter Restriction Indicator</li> <li>Buck Transformer for Auxiliary 120VAC Outlets</li> <li>Leakage Detection Sensor</li> <li>Water Jacket Heater</li> <li>Shunt Trip on MLCB</li> <li>Crankcase Ventilation Filter</li> <li>3 Position Voltage Selector Switch</li> <li>Oil/Coolant Drain Extention</li> <li>PMG Excitation on Alternator</li> <li>Distribution Panel 800A</li> <li>Leakage Detector Sensor</li> <li>MLCB Auxiliary Contacts</li> <li>Leak Proof Tray</li> </ul>	Line harmonics	5% maximum	
Leakage Detection Sensor	STANDARD ACCESSORIES		
Battery Switch     Crankcase Ventilation Filter     3 Position Voltage Selector Switch     Oil/Coolant Drain Extention     PMG Excitation on Alternator     Distribution Panel 800A     Leakage Detector Sensor     Leak Proof Tray	Air Filter Restriction Indicator	Buck Transformer for Auxiliary 120VAC Output	utlets
<ul> <li>Crankcase Ventilation Filter</li> <li>Oil/Coolant Drain Extention</li> <li>PMG Excitation on Alternator</li> <li>Distribution Panel 800A</li> <li>Leakage Detector Sensor</li> <li>MLCB Auxiliary Contacts</li> <li>Leak Proof Tray</li> </ul>	Leakage Detection Sensor	• Water Jacket Heater	
Oil/Coolant Drain Extention     PMG Excitation on Alternator     Distribution Panel 800A     Leakage Detector Sensor     MLCB Auxiliary Contacts     Leak Proof Tray	Battery Switch	Shunt Trip on MLCB	
<ul> <li>Distribution Panel 800A</li> <li>MLCB Auxiliary Contacts</li> <li>Leak Proof Tray</li> </ul>	Crankcase Ventilation Filter	3 Position Voltage Selector Switch	
MLCB Auxiliary Contacts     Leak Proof Tray	Oil/Coolant Drain Extention	PMG Excitation on Alternator	
	Distribution Panel 800A	Leakage Detector Sensor	
• Extended Maintenance Interval up to 500 Hrs.	MLCB Auxiliary Contacts	• Leak Proof Tray	
	• Extended Maintenance Interval up to 500 Hrs.		

•Distribution power panel \*See image RH back-page - NEMA 3R/IP67 0.09" aluminum panel, black powder coated, weather proof rated; individual Square-D QOU branch breakers; 2 x 20A 125V NEMA5-20 GFCI duplex receptacles; 3 x 50A 125/250V CS6369 twist-lock receptacles & Lexan covers; 2 x15A 125V NEMA 5-15P Shore line connector; 2 sets 400A single pin Camlocks rated 400A with snap covers; color coded Camlocks 3 - 5W black, red blue, white & green; pad lockable 1/4 turn door access with cable trap; auxiliary bus bars with mechanical lugs; 1 single barrel lug per phase; mechanical lugs up to 2 x 600MCM cable

Low cooland level Sensor
Engineered Options available upon request
Control Panel Heater
Oil Pan Heater











## CONTROL SYSTEMS STANDARD FEATURES - Generator Digital Control Panel

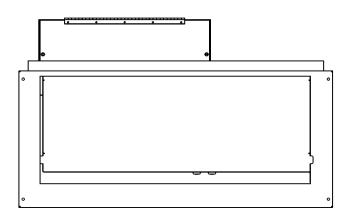
HIPOWER® COMAP IntelliGen NT Control Panel: The IntelliGen NT digital control panel is back-lit with icon LCD text display, and is PC configurable. IInteliGen NT is a comprehensive controller for both single and multiple gen-sets operating in standby or parallel modes. Compact construction is optimized for these purposes and various modifications allow customers to select the optimum type for a particular application. A built-in synchronizer and digital isochronous load sharer allow a total integrated solution for gensets in standby, island parallel or mains parallel. Native cooperation of up to 32 gen-sets is a standard feature. InteliGen NT supports many standard ECU types and is specially designed to easily integrate new ones.

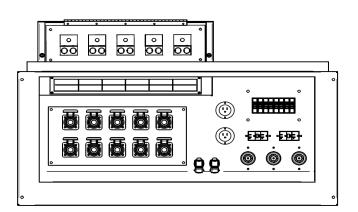
Engine alarms included: High coolant temperature, low oil pressure, low coolant level, unexpected shutdown, low fuel level, stop failure, low battery voltage, battery charging alternator failure, over-speed, under-speed, start failure and emergency stop. Support of engines with ECU (J1939, Modbus and other proprietary interfaces); alarm codes displayed in text form.



Alternator alarms included: Overload, unbalanced voltage, over voltage, under voltage, over frequency, under frequency, short circuit, reverse power, and incorrect phase sequence.

#### DISTRIBUTION PANEL VIEW







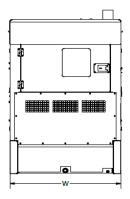


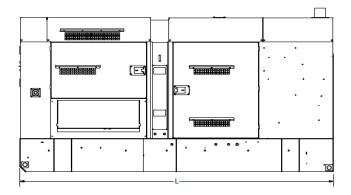


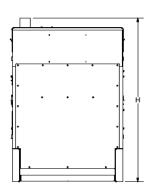


## DIMENSIONS, WEIGHTS & SOUND LEVELS

## **ENCLOSED SET**

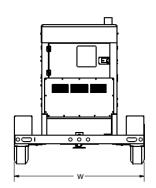


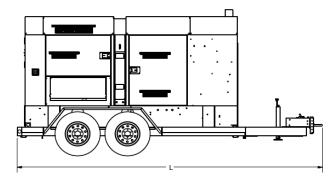


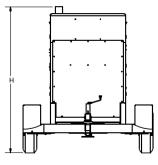


CONFIGURATION	Fuel Tank Data (base option)		Generator Data *					
	Run Time Hours	Capacity (Gals)	L = Length	W = Width	H = Height	Weight Ibs	dBA	
Enclosed Set	9	130	145"	54"	84.4"	8560	72	

## **ENCLOSED SET WITH TRAILER**







	Fuel Tank Dat	a (base option)	Generator Data *				
CONFIGURATION	Run Time Hours	Capacity (Gals)	L = Length	W = Width	H = Height	Weight lbs	dBA
Enclosed Set with Trailer	9	130	222"	88.2"	103"	14760	72

<sup>\*</sup> All measurements are approximate and for estimation purposes only. Weights are without fuel tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.









