

RENTAL DIESEL GENERATOR SET

MODEL

HRJW-325 T4F











60Hz RENTAL/PRIME/STANDBY POWER





| VOLTAGE VAC | 120/240V | 120/208V | | 139/240 V | | 277/480V | | 347/600V** | |
|----------------------------|---------------|----------|---------|------------------|---------|----------|---------|------------|---------|
| RATING | Prime Standby | Prime | Standby | Prime | Standby | Prime | Standby | Prime | Standby |
| PHASE | 1 | 3 | | 3 | | 3 | | 3 | |
| PF | 1.0 | 8.0 | | (| 0.8 | 8.0 | | 0.8 | |
| HZ | 60 | 60 | | 60 | | 60 | | 60 | |
| KW | 185 | 260 | 286 | 260 | 286 | 260 | 286 | 260 | 286 |
| KVA | 185 | 325 | 357.5 | 325 | 357.5 | 325 | 357.5 | 325 | 357.5 |
| AMPS | 848 | 902 | 992 | 783 | 861 | 391 | 430 | 312 | 344 |
| SKVA@30% VOLTAGE DIP | 578 | 1050 | | 1050 | | 1050 | | 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

| Monel ADMINITERING Mocel 6000FG006 Price derified 1764 A PUNIA Cancishaft speed 1,800 prm Type Denet, 4 stroke Injection 2,800 prm Number of Cylinders 4 Augment on 4 Uniformating and Cylinders 4 Sylinder arrangement 1,910 Boys and Stroke ins from) 4,7 s.S.d. (184 x.13) Nomeral Down 373 HP Cooling 1,920 Governor 1,920 Soweror Regulation Class 1,920 Starting motor & attenuator 2,920 Compression ratio 1,000 Ar claimed type 4 server attenuator 1,920 Extracting from out fly 1,482 MI Max. Extraust error at full load degrees *F r C1 2,182 MI Max. Extraust error at full load degrees *F r C2 31,642 MI Max. Extraust error at full load degrees *F r C2 1,782 MI Attendant rating from yearstory + combustion 1 - out ft./min (ou. m/min | ENGINE SPECIFICATION | |
|--|---|--|
| Model 6000HF008 EPA cartifed Ter FINAL Crankahart speed 1,800 rpm Type Desetl, 4-droke Injection Direct Aspiration Tumochanged Number of Cylinders 4 Cylinder arrangement 10 litters Displacement CID litters 549 (80) Bore and Shote ins imml 4.7 x 5.4 (18.4 x 13) Nominal power 10 quid Governor Electronic Governor Regulation Class 150 BSS Part 1 class G3 Frequency Regulation 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS Part 1 class G3 Frequency Regulation Class 150 BSS | | JOHN DEERE |
| Cremishaht speed 1,800 rpm Type Desot, 4-stroke Injection Direct Acpiration Turbock-regred Number of Cylinders 4 Cylinder arrangement Indirect Displacement CID litters) 549 (9) Bore and Stroke ins from 47 x 5.4 (118.4 x 13) Normal power 373 HP Cooling Liquid Gowernor Regulation Class 150 6528 Part 1 Class G3 Feeguency Regulation 150 6528 Part 1 Class G3 Feeguency Regulation 160-1 Air cleaner type Heavy duty - single carridge Exhaust gas flow out furniture (ours./minute) 160-1 Max. Exhaust temp at full load degrees = F (PC) 831 (444) Max. permissible back pressure - ins H20 (NPA) 178 (200 INS SYSTEM Explore cooling air flow out, furniture, minute) 180 (39) Alternator cooling air flow (regine) = illering the production of the first (regine) 180 (39) Total cooling approachy - US gallons (liters) 180 (39) Total cooling are flow (regine) = illering to explose (190 (30) (30) 180 (30) Total cooling appro | Model | 6090HFG06 |
| Type Disect, 4 stroke Injection Orect Aspiration Unbedraged Aspiration 4 Outmaker of Cylinders 4 Cylinder arrangement 101 (literal) Displacement CID (literal) 549 (9.0) Bore and Strake ins (mm) 37.5 E.4 (HILAX 13) Nominal power 37.8 P.P Cooling Liquid Governor Regulation Class Electronic Governor Regulation Class 15 Explan 10 (lass G3) Frequency Regulation 16 Set Part 1 Class G3 Straing motor & alternator 16 Unit Compression radio 16 Unit Air clean type 16 Unit Schaust gas flow out Kimin Lei curu. /minutel 16 (99) Max. Exhaust temp af full load degrees * F (*C) 81 (44) Max. Exhaust temp af full load degrees * F (*C) 81 (49) Alternation cooling and low - out Kimin Lou myrimi 18 (29) Total cooling apacity - U.S gallons filteral 18 (29) Total cooling capacity - U.S gallons filteral 18 (29) Total cooling capacity - U.S gallons filteral | EPA certified | Tier 4 FINAL |
| Pijecticin | Crankshaft speed | 1,800 rpm |
| Application Turbockerged Number of Cylinders 4 Cylinder arrangement 14 Displacement CID (liters) 549 (90) Bore and Stroke ins firm) 4.7 x 5.4 (118.4 x 13) Nominal power 373 HP Cooling Liquid Covernor Regulation Class 150 8x28 Part 1 Class G3 Frequency Regulation Class 150 9x28 Part 1 Class G3 Frequency Regulation 150-14 Compression ratio 150-14 Air cleaner type 160-14 Exhaust gas flow ou. ft./minute (ou.m. /minute) 1448 (41) Max. Exhaust tamp at full load degrees "F I"C) 831 (444) Max. permissible back pressure - ins H20 (RPA i 16 (29) COLING SYSTEM To all cooling air flow - ou. ft./min (ou. m/min) BD Attenator cooling flow - ou. ft./min (ou. m/min) 150 (59) Total cooling air flow (engine + alternator + combustion) - ou. ft./min (ou. m/min) 170 (59) Max. Operating Temperature "F ("C) 260 (36.11) UBRICATION SYSTEM 10 (20) Oil pan capacity - US gallons (liters) 9 (80 (36.11)< | Туре | Diesel, 4-stroke |
| Number of Cylinders 4 Cylinder arrangement In-line Displacement CID liters) 549 (80) Bore and Stroke lins fmm) 47 × 5.4 (118.4 x 13) Nominel power 373 HP Cooling Icquid Governor Electronic Governor Regulation Class 150 × 872 Part 1 Class G3 Frequency Regulation 150 × 872 Part 1 Class G3 Starting motor & alternator 12 volt Compression ratio 160-81 Air cleaner type Heavy duty- single cartridge Exhaust gas flow-ou. ft./minute (cu.m., /minute) 164 (29) Max. Exhaust temp at full load degrees. *F (*C) 831 (444) Max. permissible back pressure - ins H20 (I/PA t) 16 (29) Total cooling air flow-ou. ft./min (cu. m/min) TBD Total cooling air flow-ou. ft./min (cu. m/min) 170 (59) Total cooling air flow (engine - alternator - combustion) - cu. ft./min (cu. m/min) 170 (59) Total cooling air flow (engine - alternator) - cu. ft./min (cu. m/min) 170 (59) Total cooling capacity - US gallons (fiters) 102 (39) Oil pan capacity - US gallons (fiter | Injection | Direct |
| Cylinder arrangement In-line Displacement CID (liters) 549 (9.0) Bore and Stroke ins (mm) 4.7 x 8.4 (1181.4 x 13) Nominal power 373 HP Cooling Liquid Governor Electronic Governor ISO 8229 Part 1 Class G3 Frequency Regulation Iso-dironous Starting motor & alternator 12 volt Compression ratio 166.1 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cu. ft./minute (cu.m./minute) 1448 411 Max. Exhaust term at full load degrees = F (*C) 831 (444) Max. permissible back pressure - ins H2O RPA) TBD COOLING SYSTEM TBD Alternator cooling flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow egainer + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Value Cyparting Temperature = F (*C) 19 (30 (49) Wax. Operating Temperature = F (*C) 9,60 (36.1) Oli pan capacity - US gallons (iters) 9,60 (36.1) Ol | Aspiration | Turbocharged |
| Displacement CID (litters) 549 (9 0) Bore and Stroke ins (mm) 4.7 x 5.4 (118.4 x 13) Nominal power 373 HP Cooling Liquid Governor Electronic Governor Regulation Class ISO 8528 Part 1 Class G3 Frequency Regulation 150 8528 Part 1 Class G3 Frequency Regulation 150 8528 Part 1 Class G3 Frequency Regulation (a) 150 8528 Part 1 Class G3 Frequency Regulation (a) 150 8528 Part 1 Class G3 Frequency Regulation (a) 150 8528 Part 1 Class G3 Frequency Regulation (a) 150 8528 Part 1 Class G3 Frequency Regulation (a) 150 8528 Part 1 Class G3 Frequency Regulation (a) 160 8528 Part 1 Class G3 Frequency Regulation (a) 160 8528 Part 1 Class G3 Frequency Regulation (a) 160 8528 Part 1 Class G3 Frequency Regulation (a) 160 8528 Part 1 Class G3 Frequency Regulation (a) 160 8528 Part 1 Class G3 Frequency Regulation (a) 160 8521 Part 1 Class G3 Frequency Regulation (a) 161 841 941 Max. Exhaust temp at full load (a) (a) (a) (a) (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (c) | Number of Cylinders | 4 |
| Bote and Stroke ins fmml 4.7 x 5.4 (118.4 x 13) Nominal power 373 HP Cooling Liquid Governor Electronic Governor Regulation Class 150 8528 Part 1 Class 63 Frequency Regulation 150 8528 Part 1 Class 63 Frequency Regulation 150 8528 Part 1 Class 63 Frequency Regulation 150 8528 Part 1 Class 63 Starting motor & alternator 160-11 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cut ft./minute (aum. /minute) 1448 (41) Max. Exhaust temp at full load degrees ≈ F (°C) 831 (444) Max. Exhaust temp at full load degrees ≈ F (°C) 811 (44) Max. permissible back pressure - ins H20 (RPA) 16 (29) COULING SYSTEM *** Engine cooling air flow - cu. ft./min (cu. m/min) 18D Alternator cooling affow (engine + alternator + corbustion) - cu. ft./min (cu. m/min) 17D Total cooling ar plow (engine + alternator + corbustion) - cu. ft./min (cu. m/min) 18D Max. Operating Temperature F (°C) 122 (50) Upper (author) - US gallons (liters) 102 (38 4) Oil pan capacity wi | Cylinder arrangement | In-line |
| Nominal power 373 HP Cooling Liquid Governor Electronic Governor Regulation Class 150 8528 Part 1 Class G3 Frequency Regulation 150 8528 Part 1 Class G3 Starting motor & alternator 12 volt Compression ratio 16.0:1 Air cleaner type Heavy duty - single carridge Exhaust gas flow cu. ft./minute (cu.m./minute) 1448 (41) Max. Exhaust temp at full load degrees °F FCI 831 (444) Max. parmissible back pressure - ins H2O (kPA) 16 (29) COOLING SYSTEM Table flow - cu. ft./min (cu. m/min) TBD Total cooling air flow regine + alternator + combustion1 - cu. ft./min (cu. m/min) TBD Total cooling capacity - US gallons (liters) 18 D Max. Operating Temperature °F (°C) 12 (50) UBRICATION SYSTEM 10 (2 (84) Oil pan capacity v US gallons (liters) 9 60 136.1) Oil consumption at full load 4 (3 (3 0) Oil consumption at full load 6 (3 20) Oil pressure - psi (kPA) 4 (4 (3 20) Oil consumption at full load <t< td=""><td>Displacement CID (liters)</td><td>549 (9.0)</td></t<> | Displacement CID (liters) | 549 (9.0) |
| Cooling Liquid Governor Electronic Governor Regulation Class ISO 8528 Part 1 Class G3 Frequency Regulation Isochronous Starting motor & alternator 12 volt Compression ratio 16-10 Air cleaner type Heavy duty - single cartridge Exhaust gas flow ou. ft./minute (cu.m./minute) 1448 (41) Max. Exhaust temp at full load degrees "F (*C) 831 (444) Max. permissible back pressure - ins H2O (kPA) 16 (29) COOLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow - cu. ft./min (cu. m/min) TBD Alternator expective - Us gallons (liters) TBD Tibe Degrating frow lengine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling air flow lengine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling air flow lengine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling air flow lengine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling air flow lengine + alternator + combustion) - cu. | Bore and Stroke ins (mm) | 4.7 x 5.4 (118.4 x 13) |
| Governor Electronic Governor Regulation Class ISO 8528 Part 1 Class G3 Frequency Regulation sochronous Starting motor & alternator 12 volt Compression ratio 16.01 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cu. ft./minute (cu.m./minute) 448 (41) Max. Exhaust temp at full load degrees "F (°C) 331 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COULING SYSTEM To a cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow - cu. ft./min (cu. m/min) TBD Alternator specific flow - cu. ft./min (cu. m/min) TBD Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Max. Operating Temperature "F (°C) 122 (50) LUBRICATION SYSTEM Oil pan capacity vith filter - US gallons (liters) 9.60 (36.1) Oil pan capacity vith filter - US gallons (liters) 10.2 (38.4) Oil pan capacity vith filter - US gallons (liters) 6.0 (30.1) Oil pan capacity vith fi | Nominal power | 373 HP |
| Governor Regulation Class ISO 8528 Part 1 Class G3 Frequency Regulation Isochronous Starting motor & alternator 12 volt Compression ratio 16.0.1 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cu. ft./minute (cu.m. /minute) 1448 (41) Max. Exhaust temp at full load degrees °F (°C) 331 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COOLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling air flow - cu. ft./min (cu. m/min) 18 D Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling apacity - US gallons (liters) TBD Max. Operating Temperature °F (°C) 122 (50) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) 9.00 (36.1) Oil 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< | Cooling | Liquid |
| Frequency Regulation Isochronous Starting motor & alternator 12 volt Compression ratio 16.0:1 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cu. ft./minute (cu.m./minute) 1448 (41) Max. Exhaust temp at full load degrees °F (°C) 331 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COOLING SYSTEM Engine cooling air flow cu. ft./min (cu. m/min) 718 D Alternator cooling flow - cu. ft./min (cu. m/min) 2100 (59) Alternator cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Alternator cooling capacity - US gallons (liters) 122 (50) Max. Operating Temperature °F (°C) 122 (50) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) 9.60 (36.1) Oil pan capacity with filter - US gallons (liters) 10.2 (38.4) Oil consumption af full load < 0.1% of fuel consumption | Governor | Electronic |
| Starting motor & alternator 12 volt Compression ratio 16.0:1 Air cleaner type Heavy duty - single cartridge Exhaust gas flow cu. ft./minute (cu.m. /minute) 314 (444) Max. Exhaust temp at full load degrees °F (°C) 831 (444) Max. permissible back pressure - ins H20 (kPA) 116 (29) COULING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling filow - cu. ft./min (cu. m/min) TBD Alternator cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling apacity - US gallons (liters) TBD Max. Operating Temperature °F (°C) 122 (50) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) 9.60 (36.1) Oil pan capacity with filter - US gallons (liters) 10.2 (38.4) Oil 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 | Governor Regulation Class | ISO 8528 Part 1 Class G3 |
| Compression ratio 16.0:1 Air cleaner type Heavy duty- single cartridge Exhaust gas flow cu. ft./minute (cu.m. /minute) 1448 (41) Max. Exhaust temp at full load degrees °F (°C) 831 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COOLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow - cu. ft./min (cu. m/min) 2100 (59) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Nax. Operating Temperature °F (°C) 122 (50) LUBRICATION SYSTEM 101 pan capacity - US gallons (liters) Oil pan capacity - US gallons (liters) 960 (36.1) Oil 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 | Frequency Regulation | Isochronous |
| Air cleaner type Exhaust gas flow cu. ft./minute (cu.m. /minute) 1448 (41) Max. Exhaust temp at full load degrees °F (°C) 831 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COOLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling air flow - cu. ft./min (cu. m/min) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Total cooling capacity - US gallons (liters) Total cooling capacity - US gallons (liters) Oil pan capacity - US gallons (liters) Oil pan capacity - US gallons (liters) Oil cooler Liquid Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) ENERICATION SYSTEM Starting motor voltage Cold Cranking Amps - minimum Betal to the simple of the consumption Oil Coral consumption Alternator Oil Coral consumption Oil Cor | Starting motor & alternator | 12 volt |
| Exhaust gas flow cu. ft./minute (cu.m. /minute) Max. Exhaust temp at full load degrees °F (°C) Max. permissible back pressure - ins H2O (kPA) Total cooling air flow - cu. ft./min (cu. m/min) Tab Alternator cooling air flow cu. ft./min (cu. m/min) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Tab Alternator cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Total cooling capacity - US gallons (liters) Tab Alax. Operating Temperature °F (°C) Tab LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Ecommended lubricating oil grade SAE 10W-40 conventional DH4 (refer to owners manual) Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum Basic sub a filt of the side of the properties of the prop | Compression ratio | 16.0:1 |
| Max. Exhaust temp at full load degrees °F (°C) 831 (444) Max. permissible back pressure - ins H2O (kPA) 116 (29) COLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow - cu. ft./min (cu. m/min) 178D Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) 178D Total cooling capacity - US gallons (liters) 178D Max. Operating Temperature °F (°C) 1722 (50) LUBRICATION SYSTEM Oil pan capacity vil S gallons (liters) 29.60 (36.1) Oil pan capacity with filter - US gallons (liters) 10.2 (38.4) Oil cooler 10.00 (19.00 | Air cleaner type | Heavy duty - single cartridge |
| Max. permissible back pressure - ins H2O (kPA) Figine cooling air flow - cu. ft./min (cu. m/min) Alternator cooling flow - cu. ft./min (cu. m/min) TBD Alternator cooling flow cu. ft./min (cu. m/min) TBD Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) TBD Total cooling capacity - US gallons (liters) Max. Operating Temperature °F (°C) TBD Max. Operating Temperature °F (°C) USRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pan supacity - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum Bissue - psi (kPA) Ethery charging Alternantor 116 (29) 116 (29) 116 (29) 117 118 118 119 119 110 110 110 110 | Exhaust gas flow cu. ft./minute (cu.m. /minute) | 1448 (41) |
| COOLING SYSTEM Engine cooling air flow - cu. ft./min (cu. m/min) Alternator cooling flow - cu. ft./min (cu. m/min) Alternator cooling flow - cu. ft./min (cu. m/min) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Total cooling capacity - US gallons (liters) Max. Operating Temperature ° F (°C) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil pan capacity air filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Entring motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Batery charging Alternantor | Max. Exhaust temp at full load degrees °F (°C) | 831 (444) |
| Engine cooling air flow - cu. ft./min (cu. m/min) Alternator cooling flow - cu. ft./min (cu. m/min) Table 2100 (59) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Table Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Table Total cooling capacity - US gallons (liters) Table Max. Operating Temperature ° F (° C) 122 (50) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) Englike ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor Table Table 100 (59) 100 (5 | Max. permissible back pressure - ins H2O (kPA) | 116 (29) |
| Alternator cooling flow - cu. ft./min (cu. m/min) Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Total cooling capacity - US gallons (liters) Max. Operating Temperature ° F (° C) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor | COOLING SYSTEM | |
| Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) Tab Total cooling capacity - US gallons (liters) Max. Operating Temperature °F (°C) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor | Engine cooling air flow - cu. ft./min (cu. m/min) | TBD |
| Total cooling capacity - US gallons (liters) Max. Operating Temperature ° F (° C) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum Battery charging Alternantor TBD 122 (50) 122 (50) 122 (50) 122 (36.1) 10.2 (38.4) 10.2 | Alternator cooling flow - cu. ft./min (cu. m/min) | 2100 (59) |
| Max. Operating Temperature °F (°C) 122 (50) LUBRICATION SYSTEM Oil pan capacity - US gallons (liters) 9.60 (36.1) Oil pan capacity with filter - US gallons (liters) 10.2 (38.4) 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 24 volt Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 665 Amp | Total cooling air flow (engine + alternator + combustion) - cu. ft./min (cu. m/min) | TBD |
| Dil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Oil cooler Recommended lubricating oil grade Oil consumption at full load Oil pessure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum Battery charging Alternantor Di pan capacity - US gallons (liters) 9.60 (36.1) 10.2 (38.4) Liquid SAE 10W-40 conventional DH4 (refer to owners manual) > | Total cooling capacity - US gallons (liters) | TBD |
| Oil pan capacity - US gallons (liters) Oil pan capacity with filter - US gallons (liters) Ol cooler Recommended lubricating oil grade Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum Battery charging Alternantor 9.60 (36.1) 10.2 (38.4) 10.2 (38.4) SAE 10W-40 conventional DH4 (refer to owners manual) A (0.1 w of fuel consumption 46 (320) ENGINE ELECTRICAL SYSTEM 24 volt 650 Amp X 2 Battery charging Alternantor | Max. Operating Temperature °F (°C) | 122 (50) |
| Oil pan capacity with filter - US gallons (liters) Oil cooler Liquid Recommended lubricating oil grade SAE 10W-40 conventional DH4 (refer to owners manual) Oil consumption at full load Oil pressure - psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor | LUBRICATION SYSTEM | |
| Ol cooler Recommended lubricating oil grade SAE 10W-40 conventional DH4 (refer to owners manual) Oil consumption at full load Oil pressure – psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor Liquid SAE 10W-40 conventional DH4 (refer to owners manual) 46 (320) EVALUATE OF THE PROPERTY OF THE | Oil pan capacity - US gallons (liters) | 9.60 (36.1) |
| Recommended lubricating oil grade SAE 10W-40 conventional DH4 (refer to owners manual) Oil consumption at full load < 0.1% of fuel consumption 46 (320) ENGINE ELECTRICAL SYSTEM Starting motor voltage 24 volt Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 65 Amp | Oil pan capacity with filter - US gallons (liters) | 10.2 (38.4) |
| Oil consumption at full load < 0.1% of fuel consumption Oil pressure – psi (kPA) 46 (320) ENGINE ELECTRICAL SYSTEM Starting motor voltage 24 volt Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 65 Amp | Ol cooler | Liquid |
| Oil pressure – psi (kPA) ENGINE ELECTRICAL SYSTEM Starting motor voltage Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 65 Amp | Recommended lubricating oil grade | SAE 10W-40 conventional DH4 (refer to owners manual) |
| ENGINE ELECTRICAL SYSTEM Starting motor voltage 24 volt Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 65 Amp | Oil consumption at full load | < 0.1% of fuel consumption |
| Starting motor voltage24 voltCold Cranking Amps - minimum650 Amp X 2Battery charging Alternantor65 Amp | Oil pressure – psi (kPA) | 46 (320) |
| Cold Cranking Amps - minimum 650 Amp X 2 Battery charging Alternantor 65 Amp | ENGINE ELECTRICAL SYSTEM | |
| Battery charging Alternantor 65 Amp | Starting motor voltage | 24 volt |
| | Cold Cranking Amps - minimum | 650 Amp X 2 |
| Battery capacity 450 Amps X 2 | Battery charging Alternantor | 65 Amp |
| | Battery capacity | 450 Amps X 2 |









APPLICATION DATA

| FUEL SYSTEM | | | | | | |
|--|---|----------------------------|--|--|--|--|
| Recommended fuel | # 2 - ULSD | | | | | |
| Fuel supply line, min. ID mm(in.) | - | | | | | |
| Fuel return line,min. ID, mm (in.) | - | | | | | |
| 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 | TBD | 18.6 (70.4) | | | | |
| 75% load - US gallons/hour | TBD | 13.6 (51.6) | | | | |
| 50% load - US gallons/hour | TBD | 9.3 (35.2) | | | | |
| 25% load - US gallons/hour (liters) | TBD | 5.6 (21.1) | | | | |
| ALTERNATOR SPECIFICATION | | | | | | |
| Manufacturer | STAMFORD | | | | | |
| Model | S4L1S-E4 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 | 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 a | nd 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 | | | | | |
| Extended Maintenance Interval up to 500 Hrs. | | | | | | |

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

| OPTIONAL ACCESSORIES | | | | | | |
|---|---|--|--|--|--|--|
| Battery Blanket | Low cooland level Sensor | | | | | |
| Hydronic heater (5 kw) | • Engineered Options available upon request | | | | | |
| • 3-Way Fuel valve | Control Panel Heater | | | | | |
| • 6 Amp - 10 Amp battery charger, 12/24V, UL Listed | • Oil Pan Heater • Low Coolant Level Sensor | | | | | |
| | | | | | | |











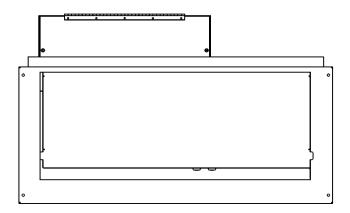
CONTROL SYSTEMS STANDARD FEATURES - Generator Digital Control Panel

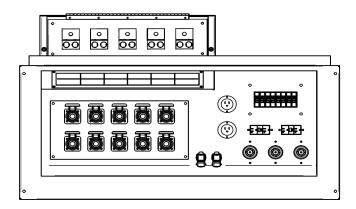
HIPOWER® COMAP IntelliGen NT Control Panel: The IntelliGen NT digital control panel is back-lit with icon LCD text display, and is PC configurable. IInteliGen NT is a comprehensive controller for both single and multiple gen-sets operating in standby or parallel modes. Compact construction is optimized 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.







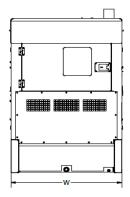


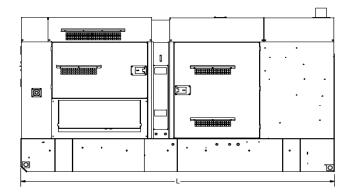


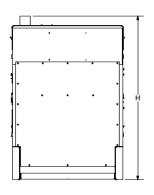


DIMENSIONS, WEIGHTS & SOUND LEVELS

ENCLOSED SET

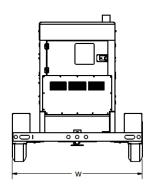


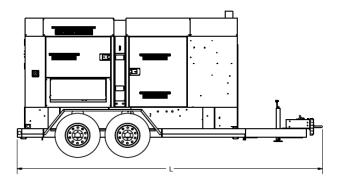


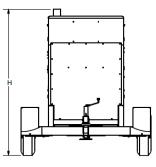


| CONFIGURATION | Fuel Tank Data (base option) | | Generator Data * | | | | | |
|---------------|------------------------------|-----------------|------------------|-----------|------------|------------|-----|--|
| | Run Time Hours | Capacity (Gals) | L = Length | W = Width | H = Height | Weight lbs | dBA | |
| Enclosed Set | 22 | 449 | 161.4" | 63.4" | 99" | 14400 | 74 | |

ENCLOSED SET WITH TRAILER







| | Fuel Tank Data (base option) | | Generator Data * | | | | | |
|---------------------------|------------------------------|-----------------|------------------|-----------|------------|------------|-----|--|
| CONFIGURATION | Run Time Hours | Capacity (Gals) | L = Length | W = Width | H = Height | Weight lbs | dBA | |
| Enclosed Set with Trailer | 22 | 449 | 255" | 102" | 123" | 16640 | 74 | |

^{*} 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.









