

	Structural	Configuration	Specification Text	Property		Value
				Application	Emergency Standby (3D)	
1	1	1,	System Configuration DS1000LVL3 24hr	Frequency	60 Hz	
5	1.2	1,	Cooling Package	Generator Voltage	480 V	
9		1,	50 Deg C Cooling System -Closed loop, liquid cooled, with radiator factory mounted on engine -integral engine-driven coolant pump	Phase	3 Phase	
14	1.3	1,	Circuit Breaker	Unit Specification	UL2200	
19		1,	Top View - Right Side Primary Breaker *For technical data refer to the circuit breaker enclosure data sheet	IBC Seismic Certification	Without IBC	
20		1,	Non-Service Entrance Rated	OSHPD Certification	Without OSHPD	
23		1,	Top View - Right Side Primary Breaker Circuit Breaker: Position 1 *For technical data refer to the circuit breaker enclosure data sheet	Engine Model	16V2000G86S (24volts)	
30		1,	Circuit Breaker Position 1:	Exhaust Emissions (EPA)	EPA Stationary EMERG T2 (40CFR60)	
43		1,	Circuit Breaker Position 1:	Radiator Design Temperature	50°C	
48		1,	1600 Amp 600 Volt 3 Pole 80% LSI Square-D RGF36160U33A	Temp Rise	130°	
55		1,	Circuit Breaker #1 Accessories:	Power Output	1000 kW	
59		1,	Auxillary Contact (OF)	Full Load Amps	1504	
65		1,	Shunt Trip	Generator Frame and Wire Qty	LSA 49.1 L11 (6 Wire)	
81		1,	Circuit Breaker Position 1:	Generator Wire Configuration	Wye	
83		1,	LSI Breaker Trip: -LSI breakers provide protection from long time overload, short time overload and instantaneous short circuit events. Specific overload current values and time delays vary with breaker type and trip unit.	OPU/HSD	Level 3 - Maximum Sound Attenuation	
86		1,	Standard Breaker Wire Scheme: -Phase 1 (A) is Black label "L1" -Phase 2 (B) is Red label "L2" -Phase 3 (C) is Blue label "L3" -Neutral is White label "NEU"	Fuel Tank	With Fuel Tank	
95	1.4	1,	Starting Aids	Control panel	With Control Panel	
101		1,	Battery Rack Only -Shipped with Battery Rack only (no battery included)	Circuit Breaker Options	Single Circuit Breaker	
111		1,	Battery Charger: NRG-22-10-HCLS	Breaker Wire Color Scheme	Standard Breaker Wire Color Scheme	
112		1,	Battery Charger Mounted & DC Wired Battery Charger Mounted same side as control panel/no control panel box *Note* - This option will be factory-wired to the distribution panel (if selected)	Paralleling	No Parallel Operation	
118		1,	Coolant Preheater --20 Deg F Coolant Preheater (208V 1PH - 9000W) -Model: CSM10908-000 -Qty 1 ** To wire accessory options to distribution panel from factory you will need to select one of the following: -For use with 1 Phase Distribution Panel: o1 Phase 208V accessory option** o1 Phase 240V accessory option** -For use with 3 Phase Distribution Panel: o3 Phase 208V accessory option** o1 Phase 208V accessory option**	Acceptance testing	Factory acceptance	
120		1,	Block Heater Mounted	Cover photo	1/35383	
125		1,	With Coolant Preheating System Isolation Valves	Publications	Standard Publications (English)	
127	1.5	1,	Genset Enclosure	Country of Operation	USA / Canada	
				Emission cert. authority	18 US EPA Agency	
				TFM.JH	in	

Structural	Configuration	Specification Text
130	1,	Level 3 Enclosure Weather-protective enclosure constructed of heavy gauge steel or aluminum with fixed stormproof panels designed for 130 mph wind load rating with additional air intake baffles and exhaust scoop redirecting noise and air flow upward. Enclosure consists of: - Bolted and welded construction - Additional air intake baffles - Exhaust scoop - UL94 HF-1 compliant, 1.5" thick sound attenuated foam insulation installed inside enclosure walls. - Unit-mounted internal silencer included - Hinged, lockable double-doors access with door restraints located on both sides of enclosure
133	1,	Steel Enclosure Type
137	1,	130mph Wind Rated Steel
140	1,	Sound Attenuation Kit
154	1,	Intake Louver (Steel)
162	1.6	Vibration Isolation
168	1,	SUA46908 Pad Isolators • ¼ inch thick elastomeric pad in rectangular shape placed under the base frame at each of the pre-drilled isolator mounting holes
169	2	Engine Configuration
170	2.1	Engine System
173	1,	Redundant Starter: - Second starter installed on engine. Control panel logic and relays are used to alternate the start signal between the left and right starters on the engine. Charging alternator installed on engine.
194	1,	Oil Drain Oil Sight Glass
199	1,	Note Emission Compliance: The engines and/or systems, may only be certified to comply with the required country or region specific emission regulations. Where applicable, the engines and/or systems are only certified to those specific emission regulations/standards which are clearly stated in the respective RRPS/MTU defined technical specifications. It is the customer's sole responsibility to ensure that the export/import, installation and use of the engine and/or system complies with the applicable emissions regulations in the country or region where the engine and/or system will be used.
200	2.2	Exhaust System
212	1,	Internal Silencer 14" - Silencer Model Number: OHS-14X-90042966 - Qty 1
219	2.3	FUEL SYSTEM
226	1,	Narrow Flange
229	1,	Non-Extended Fuel Tank matches the genset base footprint
233	1,	Tank Includes Spill Fill Containment (5 Gallon capacity)
238	1,	24 Hour 2200 Gallon Non-Extended Sub Base Fuel Tank - Base-Mounted Fuel Oil Tank matching genset base footprint. Factory-installed and piped, complying with UL 142. Fuel capacity for 24 hours continuous operation at 100 percent rated power output.
273	2.4	Air Intake System
279	1,	Air Filter (Standard) MTU Air Filter - SUA90069 - Qty 2
281	3	Generator Configuration
282	3.1	Generator Specification
284	1,	Includes D510C Regulator
286	1,	With PMG
291	1,	Generator Strip Heater - Strip heater mounted permanently in the generator winding to prevent condensation in the generator. *Note* - This option will be factory-wired to the distribution panel (if selected)
293	1,	IP23 Ingress Protection • IP23 provides Ingress Protection against objects larger than 12 mm and Protection against dripping water ±60° angle.
300	1,	LSA 49.1L11 Generator Includes: - Paralleling CT - 1 mounted and wired - Metering CT - 3 mounted and wired
307	4	Control Panel Configuration
308	4.1	Control panel
319	1,	Circuit Breaker Position 1:
321	1,	Ground Fault Indication (GFI)

	Structural	Configuration	Specification Text
344		1,	Control Panel Mounting
347		1,	<p>Top View - Right Side Primary Breaker</p> <p>*For technical data refer to the circuit breaker enclosure data sheets located on the business portal. Control Panel Mounted LH Side</p>
352		1,	<p>(4) Relay Option The 4-relay board includes (4) 10 amp form C relays customizable for user defined functionality requirements. Standard outputs are as follows:</p> <ol style="list-style-type: none"> 1. Engine Run 2. Engine Run 3. Engine Fail 4. Minor Alarm
357		1,	Remote E-Stop
378		1,	<p>MGC-3000 Series -MTU Onsite Energy Generator Set Controllers (MGC Series) are rugged, reliable, all-in-one digital generator set control and load share systems. The MGC-3000 Series is designed to be a high end controller that is well suited for mains fail, paralleled units, and systems with multiple buses. The MGC-3000 Series has all of the necessary items for complete generator set control, protection, and metering with a massive, but easy-to-use, programmable logic system.</p>
385		1,	No Parallel Operation
390	5	1,	Services and After Sales Supply
391	5.1	1,	Warranty
394		1,	<p>General Terms and Conditions of Sale, Warranty and After Sales Supply Our offer is based on the attached General Terms and Conditions of Sale for MTU Products (Rev. V-601-1803 MUS & MOE) and the Warranty will be the attached Standard Two (2) Year / 3,000 Hour Basic Standby (3D), Prime (3B), and Data Center Continuous Power (DCCP) (3F) Limited Warranty (OE-M-GEN-S-026-1801).</p>
395	6	1,	Miscellaneous
396	6.1	1,	Painting
408		1,	Paint Color: RAL 7001 Grey
412	6.2	1,	Documentation
416		1,	<p>English 1 CD Format</p>
420		1,	English
422		1,	No CD Format
424		1,	1 Hard Copy
428		1,	No Flash Drive
430		1,	French
432		1,	No CD Format
434		1,	No Hard Copy
436		1,	No Flash Drive
438		1,	Spanish
440		1,	No CD Format
442		1,	No Hard Copy
444		1,	No Flash Drive
445	6.3	1,	Additional Options
464		1,	<p>Mechanical Drawing: Genset Dimensional HSD • XZ54500100024 Mechanical Drawing: Genset Dimensional HSD • XZ54500100026 Mechanical Drawing: Fuel Tank • XZ54500100027</p>
475		1,	<p>Electrical Drawing: Engine Starter Dual • XZ54530900049 Electrical Drawing: Engine ECU • XZ54530900063</p>
479		1,	<p>Electrical Drawing: Generator • XZ54530900060</p>
482		1,	<p>Electrical Drawing: Circuit Breakers • XZ54530900065</p>
488		1,	<p>Electrical Drawing: Control Panel MGC 3000 Series • XZ54530900056</p>
490		1,	<p>Electrical Drawing: Options Sheet • XZ54530900064</p>
539	8	1,	Functional Testing
540	8.1	1,	Acceptance Testing

	Structural	Configuration	Specification Text
543		1,	Standard Commercial Test
577	9	1,	Shipping Conditions
578	9.1	1,	Freight
580		1,	Ship unit with fluids installed