





LSIC2500S3

Powered by Cummins G-Drive

-  50HZ
-  Water-cooled
-  Three Phase
-  Diesel

Model	LSIC2500S3	
Standby Power	KVA	2500
	KW	2000
Prime Power	KVA	2000
	KW	1600
Frequency	Hz	50
Voltage	V	230/400
Rated speed	rpm	1500

Covering everything from 25 to 2750 kVA Prime Power at 50Hz and 18 to 2500 kWe Prime Power at 60Hz, the Cummins G-Drive range offers the broadest product line-up in the world along with power ratings to match. What's more, the family of engines features products for virtually every need and location, from Ultra Low Emission Regulated models compliant with US EPA Tier 4 to emissionised Regulated units and robust Unregulated engines – many in preassembled CoolPac sets. With this unparalleled strength and versatility, it is no wonder Cummins G-Drive engines power more types of equipment in more markets than any other make of engine.

Advanced electronic engine controls

The state-of-the-art electronic sensors and microprocessor-based engine controls compensate for load, temperature, fuel energy content, barometric pressure and even engine wear, thus improving fuel efficiency and power output while cutting Nox and PM production.

High-pressure common rail

Higher injection pressures from new fuel injection systems improve fuel atomisation, assist combustion chamber penetration for better cold starting and response to transient loads, and also enhance engine performance.

Cummins G-Drive Engine → Model: QSK60G8


QSK60G8	
Type	4-cycle, 60° vee, 16-cylinder diesel engine
Bore X Stroke (mm)	159x190
Displacement (L)	60.2
Cylinder No.	16
Aspiration	Turbocharged and low temperature aftercooled
Compression ratio	14.5:1
Dry weight (kg)	7183
Wet weight (kg)	7539
Moment of inertia of rotating components (kg.m ²)	17.88
Center of gravity from rear face of block (mm)	1001
Center of gravity above crankshaft centerline (mm)	218
Max bending moment at rear face of block (N.m)	10350
Max. Back pressure at standby power (kPa)	6.8

Cooling system	
Coolant capacity (L)	159
Min. Pressure cap rating at sea level (kPa)	75.8
Max coolant temperature for standby/prime power (°C)	104/100
Thermostat range (°C)	82-93
Max intake manifold temp warning/shutdown (°C)	46
Max coolant friction head external to engine (kPa)	35.2

Alternator

Main features:

- 12 wire reconnectable stator/terminal arrangement
- Easy access for installation and maintenance
- 2/3 pitch winding as standard, to avoid excessive neutral currents
- Class H insulation with severe environmental protection as standard
- Built to conform with all leading industrial and marine standards
- 460 AVR as standard with 1.5% regulation and 2 phase sensing
- IP23 as standard

Alternator Specifications	
Number of phase	3
Connecting type	3 Phase 4 Wire, "Y" type connecting
Number of bearing	1
Protection grade	IP23
Exciter type	Brushless, self-exciting
Insulation class, Temperature rise	H/H
Telephone Influence Factor (TIF)	<50
THF	<2%
Voltage Regulation, Steady state	≤±1%
Alternator capacity	2200kVA
Alternator efficiencies	96.4%
Air cooling flow	2.69m ³ /s

Alternator options	
Stamford	S7L1D-J4
Leroy Somer	LSA 52.3 L9
Mecc alte	ECO46 1L4A





Deepsea control module → Model: 7320

The DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of diesel or gas genset applications.



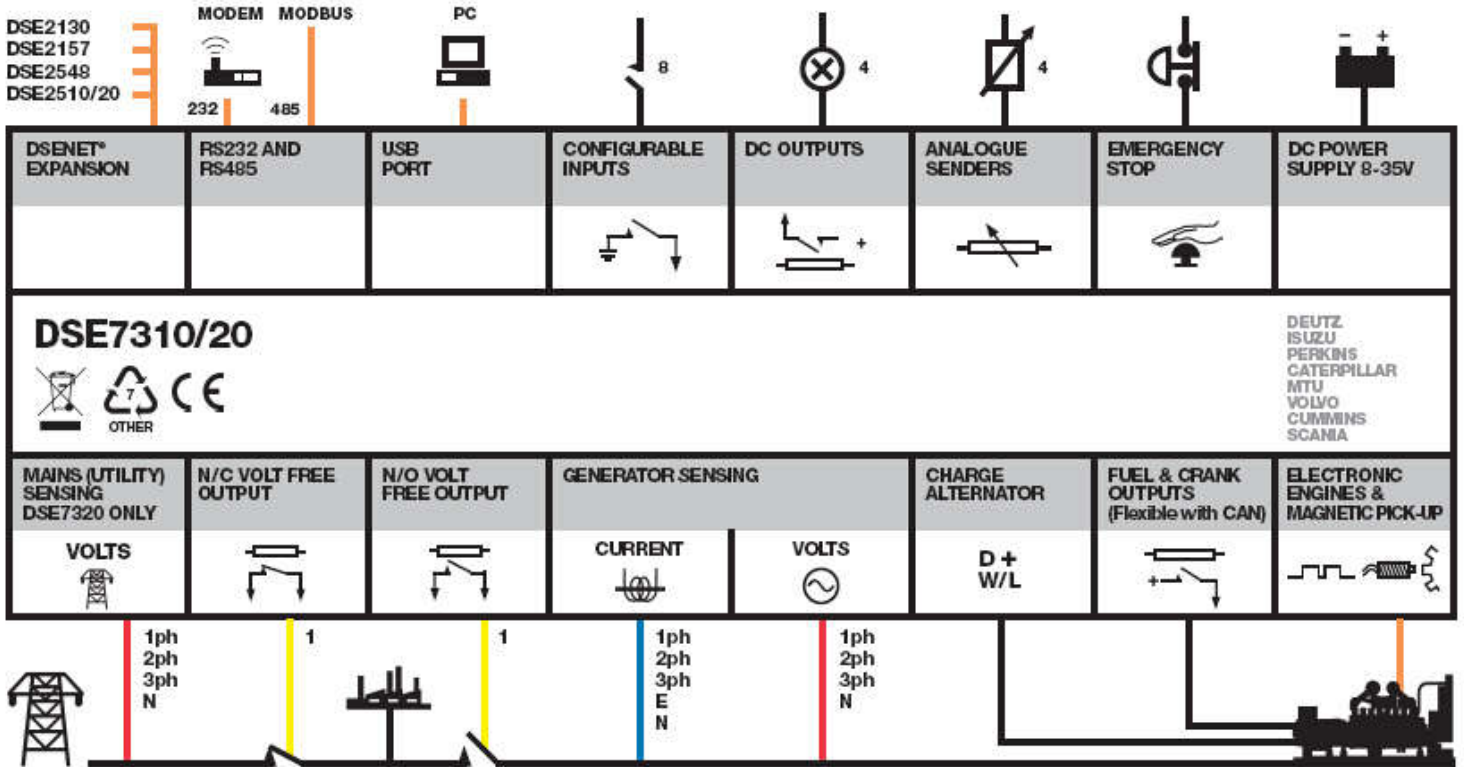
Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS test alerts (with external modem).

The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet terminals for system expansion.

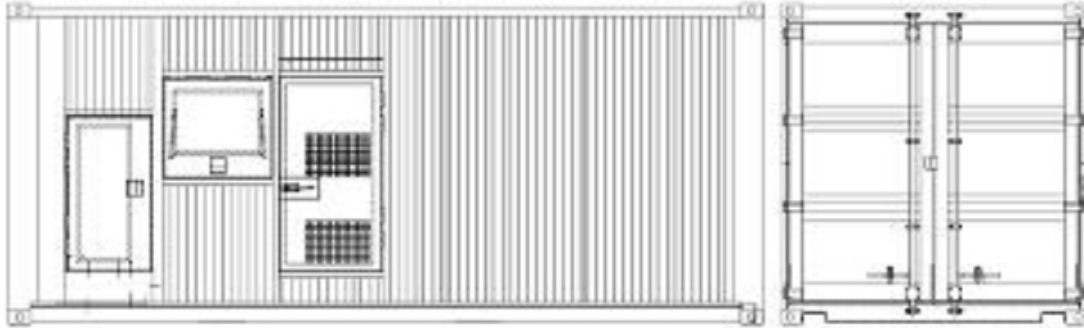
**Key Features:**

- 4-line back-lit LCD text display
- Five key menu navigation
- Front panel editing with PIN protection
- LED and LCD alarm indication
- Customisable status screens
- Power save mode
- Support for up to three remote display units
- 9 configurable inputs
- 8 configurable outputs
- Flexible sender inputs
- Configurable timers and alarms
- 3 configurable maintenance alarms
- Multiple date and time scheduler
- Configurable event log (250)
- Control logic facilities
- Easy access diagnostic page
- CAN and Magnetic Pick-up / Alt. Sensing
- Fuel usage monitor and low fuel alarms
- Charger alternator failure alarm
- Manual speed control
- Manual fuel pump control
- Engine exerciser
- "Protectons disabled" feature
- kW overload protection
- Power monitoring
- Load switching (load shedding and dummy load outputs)
- Automatic load transfer
- Unbalanced load protection
- Independent Earth Fault trip
- USB connectivity
- Backed up real time clock
- Fully configurable via DSE Configurable Suite PC software
- Configurable display languages
- Remote SCADA monitoring via DSE Configuration Suite PC software
- User selectable RS232 and RS485 communications
- SMS Messaging (additiional external modem required)
- Additional display screens to help with modem diagnostics
- DSENet expansion compatible
- Integral PLC editor

Deepsea control module → Model: 7320

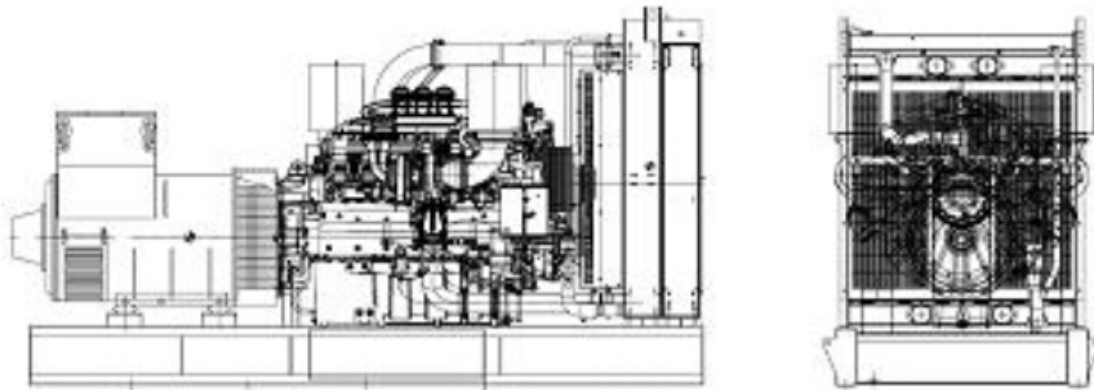


Overview dimension & Sound levels



LSIC2500S3 (Container type)

Configuration	L= Length (mm)	W= Width (mm)	H= Height (mm)	Weight (kg)
Enclosed set	ISO40'ft HQ			21000



LSIC2500E3 (Open type)

Configuration	L= Length (mm)	W= Width (mm)	H= Height (mm)	Weight (kg)
Enclosed set	6300	2200	2800	15900

Generating Sets Standard and Optional Features

Engine:

- 4-stroke, water-cooled diesel engine
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Oil temperature sensor
- Low coolant level sensor
- 24V electrical system
- Radiator with blowing fan
- Industrial silence
- **Fuel water separator (optional)**
- **Water jacket heater (optional)**

Alternator:

- Class H insulation
- IP23 Protection
- Automatic Voltage Regulator (AVR)
- PMG excitation
- Single bearing alternator

Electrical system:

- DSE 6020 control module
- Maintenance-free and anti-explosion battery
- Standard breaker
- **ABB breaker (optional)**
- **ATS (optional)**

- **Battery charger (optional)**
- **GMS monitoring (optional)**

Packing:

- Engine manual
- Alternator manual
- Gensets operation and maintenance manual
- Tool kit

Baseframe:

- Forklift pockets
- Pulling slots
- Earth wire protection
- Built-in anti vibration mountings
- Fuel outlet valve
- Standard 8 hours fuel tank
- **Enlarged 24 hours fuel tank (optional)**
- **Separated fuel tank (optional)**

Canopy:

- Weatherproof & sound-attenuated canopy
- Sound-absorbing material
- Lifting lug
- Emergency stop button
- Inside silencer

Contact your distributor / dealer for more information

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