

## LSIC2250S3

Powered by Cummins G-Drive

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

Model		LSIC2250S3
Standby Power	KVA	2250
	KW	1800
Prime Power	KVA	2045
	KW	1636
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: QSK60G4**


Cummins QSK60G4: 4 Cycle, Turbo-charged, After-cooled Diesel Engine	
Bore X Stroke (mm)	159x190
Displacement (L)	60.2
Cylinder block	Cast iron, 16 cylinder
Battery charging alternator (A)	55
Starting voltage (V)	24
Fuel system	Direct injection Cummins HPI
Fuel filter	Spin on fuel filters with water separator
Lube oil filter type	Spin-on full flow filter
Lube oil capacity (L)	280
Flywheel dimensions	SAE 0

Cooling system	
Cooling system design	2 pump – 2 loop
Coolant ratio	50% ethylene glycol, 50% water
Coolant capacity (L)	242
Limiting ambient temp (°C)	54.9
Fan power (kWm)	45
Cooling system air flow (m3/s)	29.6
Air cleaner type	Dry replaceable element with restriction indicator

Weight & Dimensions	
Length (mm)	4123
Width (mm)	2494
Height (mm)	3296
Weight (dry) (kg)	9685

Fuel consumption 1500 (50Hz)	
Prime power (100%) (kWm)	1730
Prime power (75%) (kWm)	1298
Prime power (50%) (kWm)	865
Prime power (25%) (kWm)	433

## 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	2000kVA
Alternator efficiencies	93.8%
Air cooling flow	2.69m <sup>3</sup> /s

Alternator options	
Stamford	S7L1D-H4
Leroy Somer	LSA 52.3 S7
Lees	LA7G





**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).

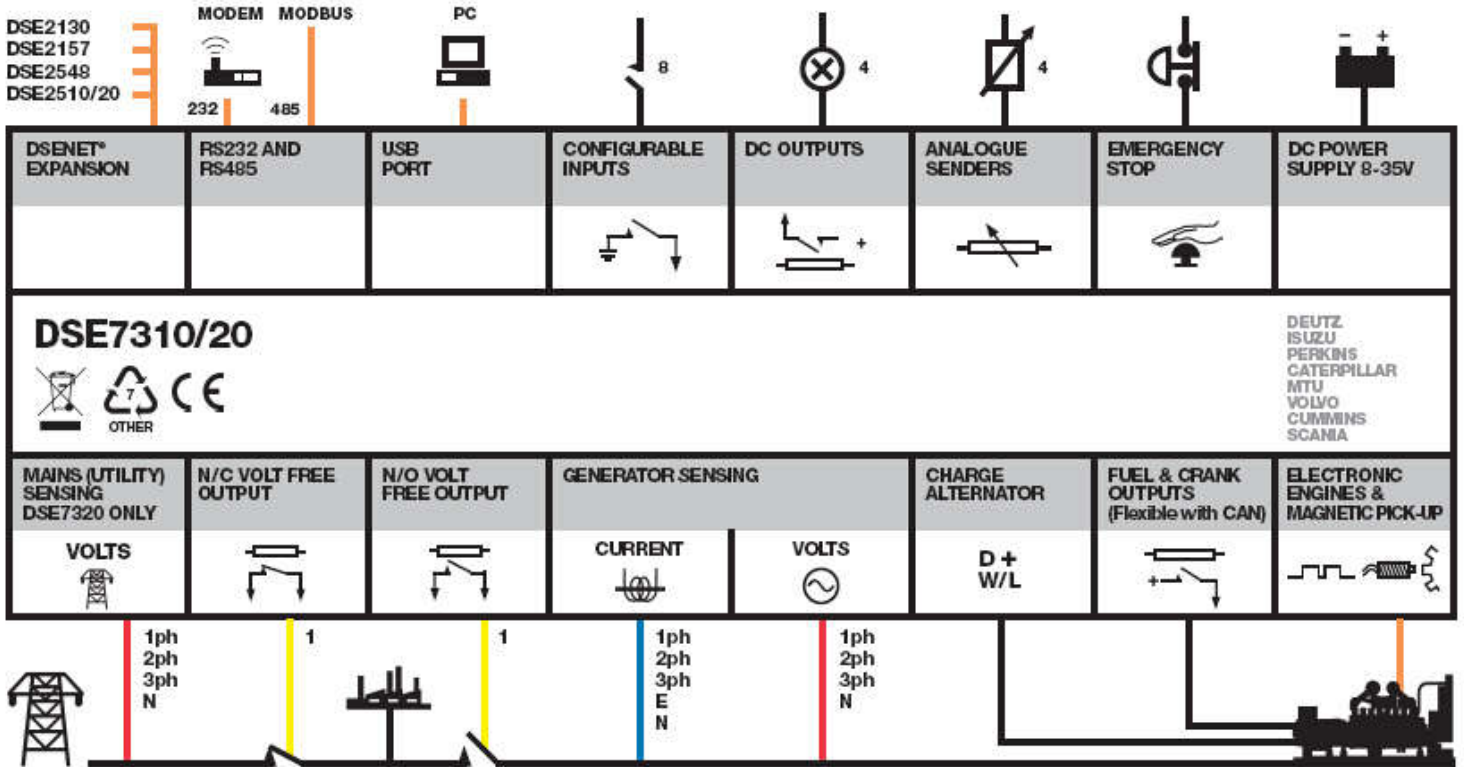
The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet terminals for system expansion.



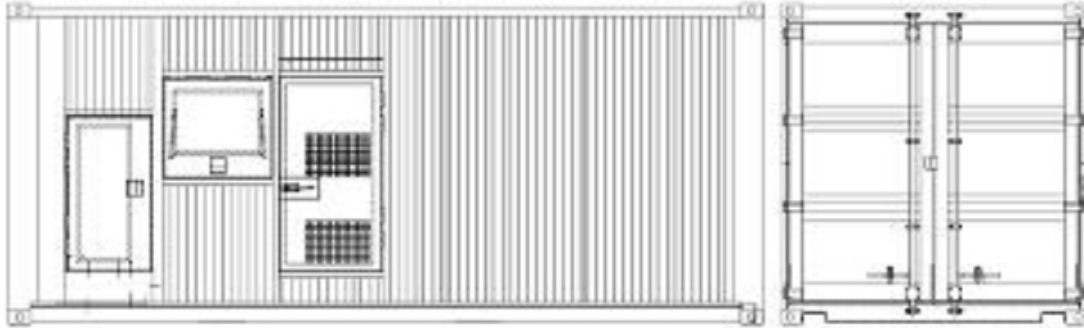
**Key Features:**

- 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 (addtiional external modem required)
- Additional display screens to help with modem diagnostics
- DSENet expansion compatible
- Integral PLC editor

Deepsea control module → Model: 7320

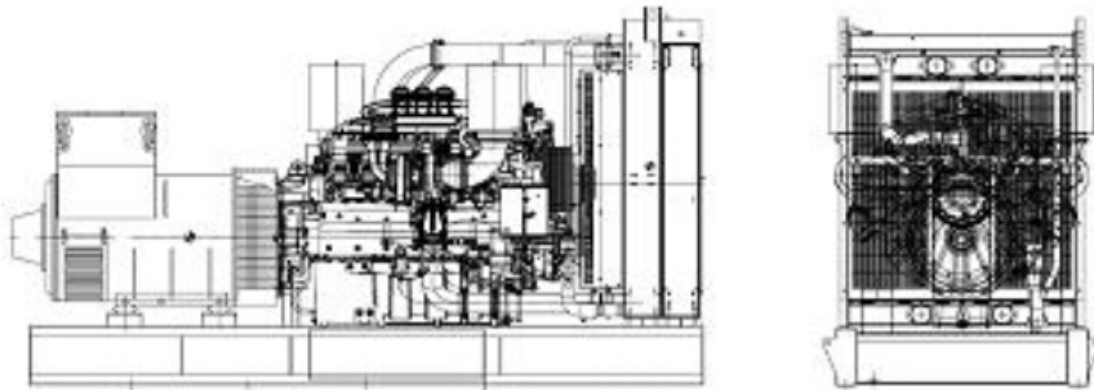


**Overview dimension & Sound levels**



**LSIC2250S3 (Container type)**

Configuration	L= Length (mm)	W= Width (mm)	H= Height (mm)	Weight (kg)
Enclosed set	ISO40'ft HQ			19600



**LSIC2250E3 (Open type)**

Configuration	L= Length (mm)	W= Width (mm)	H= Height (mm)	Weight (kg)
Enclosed set	5820	2200	2800	14200

## 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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