

## Cummins Series Diesel Generator Set/60Hz EPS-CU150KVA

### Features

- » Compact structure with high-strength chassis;
- » Easy operation and maintenance, low cost;
- » Excellent performance damping
- » Compliance with international electrical safety standards of electrical
- » 8 hours base tank;
- » High-performance maintenance-free batteries with isolation switch;
- » 50°C Radiator;
- » Forklift bottom hole design, easy to transport;
- » Industrial muffler;
- » Noise reduction structure, low noise;
- » Convenient power output interface;
- » IP56(control system);
- » Customized design for user;



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## Technical Data

Model	EPS-CU150KVA	
Prime power	kW	120.0
	kVA	150.0
Standby power	kW	132.0
	kVA	165.0
Rated voltage	V	400/230
Rated current	A	216.5
Sound level	dB(@7m)	≤72

### Engine

Brand	Cummins	
Model	6BTAA5.9-G2	
Aspiration	Turbo,Air/Air Cooling	
No. of cylinder	6	
Fuel injection system	PN type	
Displacement	Liquid	5.9
Bore/Stroke	mm	102*120
Compression ratio	16.5	
Rated speed	rpm	1800
Rated power	kW	132
Governing method	Electrical	
Starting Motor	V	24

### Exhaust System

Exhaust gas flow	m <sup>3</sup> /min	19.44
Exhaust gas temp	°C	495
Max back pressure	kPa	10

### Air Intake System

Max intake restrictio	kPa	6.35
Consumption	m <sup>3</sup> /min	8.7
Air flow	m <sup>3</sup> /min	190

### Fuel System

100% load	L/h	27.8
75% load	L/h	20
50% load	L/h	13
Fuel tank capacity	L	215

### Lubrication System

Oil capacity	L	16.4
Oil consumption	g/kw.h	≤4
Min oil pressure	Mpa	345

### Cooling System

Coolant capacity	L	29
Thermostat	°C	82-95
Top tank temperatur	°C	104

Alternator		
Model	EXCEL	ZL274E
Phase	3.0	
Voltage	V	400/230
Wiring type	3 Phase 4 wire	
Bearing	1	
Power factor	0.8	
Frequency	Hz	60
Prime power	kW	120
Exciter type	Brushless,self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller

Brand	DeepSea
Model	DSE6020
<ul style="list-style-type: none"> <li>•Generator &amp; load power monitoring (kW, kV A, kV Ar, pf)</li> <li>•Generator overload protection (kW)</li> <li>•Generator/load current monitoring &amp; protection</li> <li>•Configurable analogue/digital inputs</li> <li>•Configurable DC, volt-free and staged loading outputs</li> <li>•CAN, MPU &amp; alternator speed sensing</li> <li>•Tier 4 CAN engine support</li> <li>•Configurable event log (50)</li> <li>•DSE Configuration Suite PC Software</li> <li>•Fuel and start outputs (configurable on CAN)</li> </ul>	



### Dimension and Weight

Model	Silent type
Length(L) (mm)	EPS-CU150KVA
Width(W) (mm)	3090
Height(H) (mm)	1100
Weight (kgs)	1650
	1769