

Cummins Series Diesel Generator Set/50Hz 100KVA



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;



Power Cell DIESEL GENERATOR

Technical Data

Model		CU100
Prime power	kW	80.0
	kVA	100.0
Standby power	kW	88.0
	kVA	110.0
Rated voltage	V	400/230
Rated current	A	144
Sound level	dB(@7m)	≤72

Engine

Brand	Cummins	
Model	6BT5.9-G2	
Aspiration	Turbo	
No. of cylinder	6	
Fuel injection system	AD type	
Displacement	Liquid	5.9
Bore/Stroke	mm	102*120
Compression ratio	17.5	
Rated speed	rpm	1500
Rated power	kW	90
Governing method	Mechanical	
Starting Motor	V	24

Exhaust System

Exhaust gas flow	m ³ /min	16.8
Exhaust gas temp	°C	565
Max back pressure	kPa	10

Air Intake System

Max intake restrictio	kPa	6.35
Consumption	m ³ /min	6.48
Air flow	m ³ /min	158

Fuel System

100% load	L/h	22
75% load	L/h	17
50% load	L/h	11
Fuel tank capacity	L	235

Lubrication System

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

Cooling System

Coolant capacity	L	27
Thermostat	°C	82-95
Top tank temperatur	°C	104

Alternator

Model	EXCEL	ZL274C
Phase	3.0	
Voltage	V	400/230
Wiring type	3 Phase 4 wire	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	kW	80
Exciter type	Brushless,self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller

Brand	DeepSea
Model	DSE6020

- Generator & load power monitoring (kW, kV A, kV Ar, pf)
- Generator overload protection (kW)
- Generator/load current monitoring & protection
- Configurable analogue/digital inputs
- Configurable DC, volt-free and staged loading outputs
- CAN, MPU & alternator speed sensing
- Tier 4 CAN engine support
- Configurable event log (50)
- DSE Configuration Suite PC Software
- Fuel and start outputs (configurable on CAN)



Dimension and Weight

	Open type	Silent type
Model	EP-CU100	EPS-CU100
Length(L) (mm)	2200	2930
Width(W) (mm)	900	1080
Height(H) (mm)	1350	1650
Weight (kgs)	1250	1900