

Power Cell DIESEL GENERATOR

Cummins Series
Diesel Generator Set/50Hz
313KVA



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		CU313
Prime power	kW	250.0
	kVA	313.0
Standby power	kW	280.0
	kVA	350.0
Rated voltage	V	400/230
Rated current	A	433
Sound level	dB(@7m)	≤72

Engine

Brand	Cummins	
Model	NTA855-G1B	
Aspiration	Turbo & Aftercooled	
No. of cylinder	6	
Fuel injection system	PT type	
Displacement	Liquid	14
Bore/Stroke	mm	140*152
Compression ratio	14	
Rated speed	rpm	1500
Rated power	kW	284
Governing method	Mechanical	
Starting Motor	V	24

Exhaust System

Exhaust gas flow	m ³ /min	980
Exhaust gas temp	°C	485
Max back pressure	kPa	10

Air Intake System

Max intake restrictio	kPa	6.25
Consumption	L/s	375
Air flow	L/s	8180

Fuel System

100% load	L/h	70
75% load	L/h	50
50% load	L/h	30
Fuel tank capacity	L	720

Lubrication System

Oil capacity	L	38.6
Oil consumption	L/h	≤0.24
Min oil pressure	Mpa	241

Cooling System

Coolant capacity	L	85
Thermostat	°C	82-93
Top tank temperatur	°C	104

Alternator

Model	STAMFORD	HCI444D
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	250
Exciter type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller

Brand	DeepSea
Model	DSE6120

- 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-CU313	EPS-CU313
Length(L) (mm)	3100	3980
Width(W) (mm)	1100	1400
Height(H) (mm)	2000	2150
Weight (kgs)	2180	4050