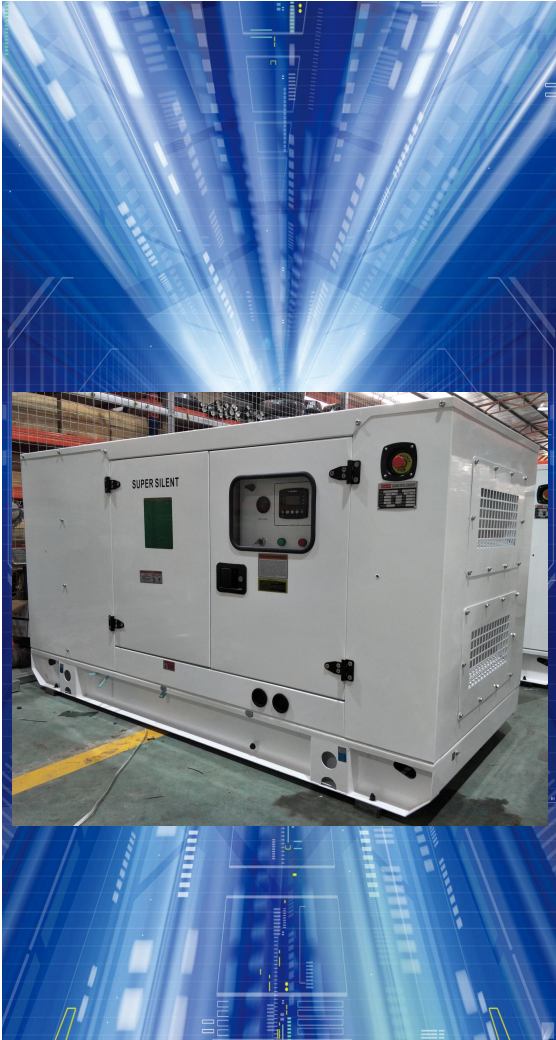


Power Cell **RICARDO DIESEL GENERATOR**

Ricardo 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;

Technical Data

Model	EPS-HC100	
Prime power	kW	80.0
	kVA	100.0
Standby power	kW	88.0
	kVA	110.0
Rated voltage	V	400/230
Rated current	A	144.3
Sound level	dB(@7m)	≤72

Engine

Brand	Ricardo	
Model	R6105ZD	
Aspiration	Turbocharge	
No. of cylinder	6	
Fuel injection system	Direct Inject	
Displacement	Liquid	6.49
Bore/Stroke	mm	105*125
Compression ratio	16	
Rated speed	rpm	1500
Rated power	kW	84
Governing method	Mechanical	
Starting Motor	V	24

Exhaust System

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

Air Intake System

Max intake restrictio	kPa	/
Consumption	m ³ /min	/
Air flow	m ³ /min	/

Fuel System

100% load	L/h	17
75% load	L/h	15.7
50% load	L/h	10.5
Fuel tank capacity	L	310

Lubrication System

Oil capacity	L	17
Oil consumption	g/kw.h	≤4
Min oil pressure	Mpa	0.3-0.5

Cooling System

Coolant capacity	L	28
Thermostat	°C	85-92
Top tank temperatur	°C	104

Alternator

Model	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 Smartgen
Model HGM420N

- HGM400N series genset controllers integrate digitization, intelligentization and network technology which are used for genset;
- automation and monitor control system of single unit to achieve;
- automatic start/stop, data measurement, alarm protection and “three remote” (remote control, remote measuring and remote communication;
- SG485 module must be fitted). It fit with LCD display, optional languages interface (Chinese, English, Spanish, Turkish, Russian and French), and it is reliable and easy to use.



Dimension and Weight

Model	Silent type
Length(L) (mm)	EPS-HC100
Width(W) (mm)	2800
Height(H) (mm)	1100
Weight (kgs)	1570
	1552