

Power Cell

## RICARDO DIESEL GENERATOR

Ricardo Series  
Diesel Generator Set/50Hz  
80KVA



### 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-HC80	
Prime power	kW	64.0
	kVA	80.0
Standby power	kW	70.4
	kVA	88.0
Rated voltage	V	400/230
Rated current	A	115.4
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 <sup>3</sup> /min	/
Exhaust gas temp	°C	/
Max back pressure	kPa	10

## Air Intake System

Max intake restrictio	kPa	/
Consumption	m <sup>3</sup> /min	/
Air flow	m <sup>3</sup> /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	ZL224G	
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	64
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-HC80
Width(W) (mm)	2800
Height(H) (mm)	1100
Weight (kgs)	1570
	1472