

Yangdong Series Diesel Generator Set/50Hz 20KVA

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		YD20
Prime power	kW	16.0
	kVA	20.0
Standby power	kW	17.6
	kVA	22.0
Rated voltage	V	400/230
Rated current	A	28.8
Sound level	dB(@7m)	≤72

Engine

Brand	Yangdong	
Model	YSD490D	
Aspiration	Natural	
No. of cylinder	4	
Fuel injection system	Direct Inject	
Displacement	Liquid	2.54
Bore/Stroke	mm	90*100
Compression ratio	18	
Rated speed	rpm	1500
Rated power	kW	21
Governing method	Electric	
Starting Motor	V	12

Exhaust System

Exhaust gas flow	m ³ /min	/
Exhaust gas temp	°C	590
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	5
75% load	L/h	3.7
50% load	L/h	2.5
Fuel tank capacity	L	85

Lubrication System

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

Cooling System

Coolant capacity	L	/
Thermostat	°C	82-95
Top tank temperatur	°C	112

Alternator

Model	EXCEL	ZL184E
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	16
Exciter type	Brushless,self-excitation	
Voltage regulation	%	±0.5
Protection grade		IP23
Insulation grade		H/H
Altitude	m	≤1000

Controller

Brand	DEESEA
Model	DSE4620

- Detect the 3-phase voltage of the generator
- Detect the 3-phase voltage of the mains
- generator/load power detection (kW, kVA, kVAr, pf)
- Monitoring and Protecting Current of Generator and Load compatible with 600V(L-L) system generator
- Detect the speed sensor signal
- 3 analog/custom inputs
- 4 custom digital input,4 active DC outputs with hierarchical loading function
- Three maintenance alarms can be set.
- Engine Speed Protection engine warm-up
- You can preset multiple start-stop cycles.
- Battery Voltage Monitoring



Dimension and Weight

		Silent type
Model	EPS-YD20	
Length(L) (mm)	2090	
Width(W) (mm)	890	
Height(H) (mm)	1250	
Weight (kgs)	852	