



## Technical Data

Model		10KVA
Prime power	kva	9
	kw	7,2
Standby power	kva	10
	kw	8
Rated voltage line to line	V	230/400
Rated current	A	13
Maximun sound level	dB@7m	70

## Engine-YangDong

Model		YD480DE
Length*Width*Height		687mm*494mm*610mm
Engine net weight	kg	165
Aspiration Type		Nature
Injection Type		Direct
Configuration		Vertical
No. of Cylinders		4
Displacement	L	1,809
Bore	mm	80
Stroke	mm	90
Compression Ratio		18
Piston Speed	m/s	4.5/5.4
Rotation Direction (from flywheel)		Anti-clockwise
Number of Flywheel Teeth		115
Flywheel House Size		SAE4
Rated speed	r/min	1500
Governor		ELECTRICAL
Start Motor	V	12

## Lubrication System

Oil Capacity	L	5
Max. Permissible Oil Temperature	°C	120
Low Oil Pressure Warning	kPa	100
Low Oil Pressure Shutdown	kPa	80
Oil consumption (as % of fuel consumption)		0,72%

## Cooling System

Coolant Capacity for Engine	L	4
Max. Permissible Temperature	°C	90
Max. Coolant Warning Temperature	°C	95
Max. Coolant Shutdown Temperature	°C	98
Thermostat Open Temperature	°C	72

## Fuel System

110% load(Standby power)	L/h	4,20
100% load(Prime power)	L/h	3,85
75% load(Prime power)	L/h	2,90
50% load(Prime power)	L/h	2,00
25% load(Prime power)	L/h	1,20
Fuel capacity for silent genset	L	55

## Air intake System & Exhaust System

Combustion Air Consumption	m <sup>3</sup> /min	1,01
Max. Intake Restriction	kPa	3,5
Max. Exhaust Temperature	°C	500
Max. Exhaust Back Pressure	kPa	6
Exhaust Gas Flow	m <sup>3</sup> /min	2,62
Exhaust Flange Diameter	mm	74

## Standard Features

Engine(YangDong ENGINE)	●
Radiator 50°C max,fans are driven by belt	●
Alternator: single bearing alternator IP23	●
insulation class H/H	●
Standard auto control system	●
Main line circuit breaker MCCB	●
Base fuel tank	●
One battery, rac and cable	●
Exhaust system(Ripple flex exhaust pipe)	●
Exhaust siphon, flange, muffler	●
User manual	●
Battery charge	●
Water heater	●

## Options

PMG	<input type="radio"/>
Water oil separator	<input type="radio"/>
Daily fuel tank	<input type="radio"/>
Remote control panel	<input type="radio"/>
Automatic transfer switch/ATS	<input type="radio"/>
Switch box	<input type="radio"/>
Standard: ●	Options: ○

## Alternator

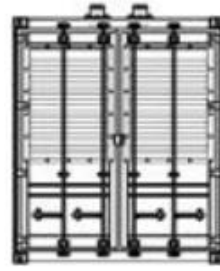
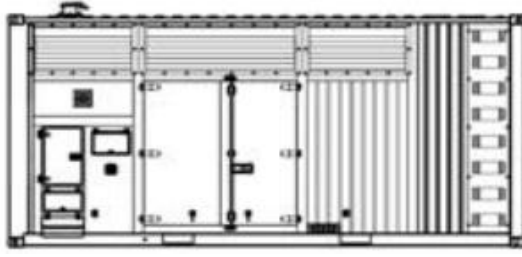
Model		CJ164B
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	11
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H
AVR		SX460

## Controller-Deepsea

Model	DSE 4620
7 digital display	
Built-in governor and AVR control	
Base load (kW export) functionality	
Mains (utility) de-coupling protection	
Generator power (kW, kVA) monitoring	
Overload (kW & kV Ar) protection	
Emergency stop	
Start failure	



## Unit Dimensions(Basic unit)



### Silent Type

L\*W\*H

mm

1950\*850\*1150

Weight

kg

730

## Warranty

### YangDong Engine

12 months from date of purchase or 1000 hours.

### Generator

12 months from date of purchase or 1000 hours

(whichever comes first).