



Technical Data

Model		83kva
Prime power	kva	75
	kw	60
Standby power	kva	83
	kw	66
Rated voltage line to line	V	400
Rated current	A	108,3
Maximun sound level	dB@7m	73

Engine-YTO

Model		LR4B3Z-D
Aspiration	Four-stroke, water-cooled, in-line, direct injection, turbocharged	
No. cylinders		4
Displacement	L	4,58
Bore*Stroke	mm	108x125
Compression ratio		17:1
Rated speed	r/min	1500
Governor		Mechanical system
Engine wet weight	kg	420±20
Engine dimension	mm	1500×1050×720
Fire order		1-3-4-2
Start Motor	V	12

Exhaust System

Max exhaust back pressure	kPa	10
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Air intake System

Max inlet pressure (Dirty air)	kPa	6,3
Max inlet pressure (Clean air)	kPa	3,7

Fuel System

110% load(Standby power)	L/h	19,8
100% load(Prime power)	L/h	17,5
75% load(Prime power)	L/h	13,2
50% load(Prime power)	L/h	8,8
25% load(Prime power)	L/h	5,3
Fuel capacity for silent genset	L	87

Lubrication System

Idle speed oil pressure	kPa	≥98
Governed speed oil pressure	kPa	294~490
Max Oil temp	℃	115
Oil capacity	L	14

Cooling System

Coolant capacity--Engine only	L	6
Maximum top tank temperature	℃	99
Thermostat operating range.	℃	.76~95
Coolant intake pipe size	mm	46
Coolant outlet pipe size	mm	46

Standard Features

Engine(YTO Engine)	●
Radiator 50℃ max,fans are driven by belt	●
12/24V charge alternator	●
Alternator: single bearing alternator IP23	●
insulation class H/H	●
Standard auto control system	●
One set of air filter, fuel filter, oil filter	●
Main line circuit breaker / ACB	●
Base fuel tank	●
One 12V/Two 24V batteries, rac and cable	●
Exhaust system(Ripple flex exhaust pipe)	●
Exhaust siphon, flange, muffler	●
User manual	●
Battery charge	●

Options

Water heater	○
Alternator heater	○
PMG	○
Water oil separator	○
Daily fuel tank	○
Remote control panel	○
Automatic transfer switch/ATS	○
Switch box	○
Standard: ●	Options:○

Alternator

Model	CJ224F
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Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	72,5
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

Controller-Deepsea

Model DSE 6120

7 configurable digital inputs

Built-in governor and AVR control

Base load (kW export) functionality

Mains (utility) de-coupling protection

Generator power (kW, kVA) monitoring

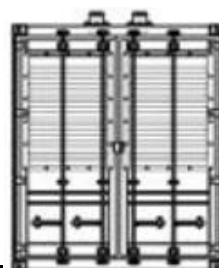
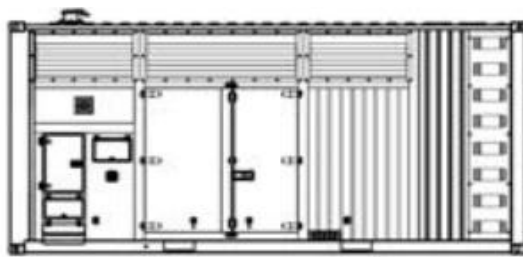
Overload (kW & kV Ar) protection

Emergency stop

Start failure



Unit Dimensions(Basic unit)



Silent Type

L*W*H

mm

2600*1050*1300

Weight

kg

1270

Warranty

YTO Engine

12 months from date of purchase or 1000 hours.

Generator

12 months from date of purchase or 1000 hours
(whichever comes first).