



Technical Data

Model		138kva
Prime power	kva	125
	kw	100
Standby power	kva	138
	kw	110
Rated voltage line to line	V	400
Rated current	A	180,4
Maximun sound level	dB@7m	75

Engine-YTO

Model		LR4M3L-D88
Aspiration		Four-stroke, water-cooled, in-line, direct injection, turbocharged, charged air to air
No. cylinders		4
Displacement	L	4,75
Bore*Stroke	mm	110x125
Compression ratio		17:1
Rated speed	r/min	1500
Governor		Electrical system
Engine wet weight	kg	460±20
Engine dimension	mm	1160×740×720
Fire order		1-3-4-2
Start Motor	V	24

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	30,8
100% load(Prime power)	L/h	27
75% load(Prime power)	L/h	20,5
50% load(Prime power)	L/h	13,7
25% load(Prime power)	L/h	8
Fuel capacity for silent genset	L	185

Lubrication System

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

Cooling System

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

Standard Features

Engine(YTO Engine)	●
Radiator 50°C 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	CJ274D
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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	120
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

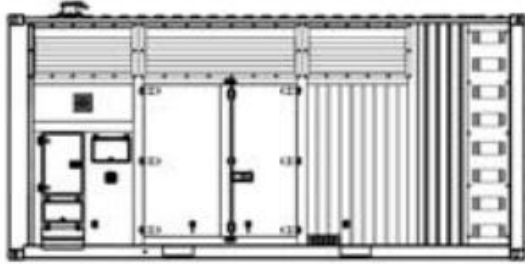
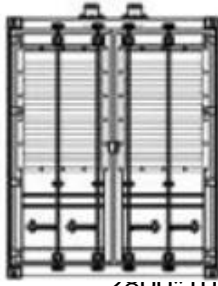
Overload (kW & kV Ar) protection

Emergency stop

Start failure



Unit Dimensions(Basic unit)

Silent Type		
	L*W*H Weight	mm kg
		2800*1050*1300 1600

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).