



Technical Data

Model		440kva
Prime power	kva	400
	kw	320
Standby power	kva	440
	kw	352
Rated voltage line to line	V	400
Rated current	A	577,4
Maximun sound level	dB@7m	75

Engine-YTO

Model		YM6S9LF-DA
Aspiration		Four-stroke, water-cooled, in-line, direct injection, turbocharged, air-air intercooler
No. cylinders		6
Displacement	L	11,596
Bore*Stroke	mm	126x155
Compression ratio		17.0:1
Rated speed	r/min	1500
Governor		Electrcial system
Engine wet weight	kg	1100±20
Engine dimension	mm	1780×950×2230
Fire order		1-5-3-6-2-4
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	104
100% load(Prime power)	L/h	94,5
75% load(Prime power)	L/h	71
50% load(Prime power)	L/h	47,5
25% load(Prime power)	L/h	28,2
Fuel capacity for silent genset	L	450

Lubrication System

Idle speed oil pressure	kPa	≥98
Governed speed oil pressure	kPa	294~490
Max Oil temp	°C	115
Oil capacity	L	28

Cooling System

Coolant capacity--Engine only	L	55
Maximum top tank temperature	°C	99
Thermostat operating range.	°C	.71~80
Coolant intake pipe size	mm	60
Coolant outlet pipe size	mm	45

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		CJ444F
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	400
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

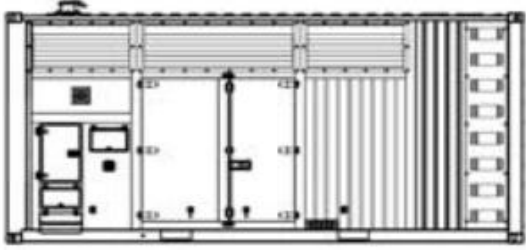
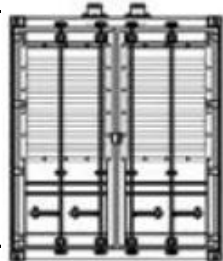
Controller-Deepsea

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		4250*1480*2130	
	Weight	kg		3650	

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).