



**Model DPX-20505**

Prime power	kva	120
	kw	96
Standby power	kva	132
	kw	106
Rated voltage line to line	V	400
Rated current	A	173,2
Maximun sound level	dB@7m	73

**Engine-FPT**

Model	NEF45TM3.S500	
Aspiration	Four-stroke, water-cooled, 4 cylinders,in line, turbo charged and aftercooled	
No. cylinders	4	
Valve per cylinder	2	
Displacement	L	4,5
unit Displacement	L	1,12
Bore*Stroke	mm	104x132
Compression ratio	17.5:1	
Rated speed	r/min	1500
Governor	Mechannical system	
Fire order	1-3-2-4	
Start Motor	V	24

**Exhaust System**

Max exhaust back pressure	kPa	5
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**Air intake System**

Max inlet pressure (Dirty air)	kPa	5
Max inlet pressure (Clean air)	kPa	2

**Fuel System**

110% load(Standby power)	L/h	30
100% load(Prime power)	L/h	27
75% load(Prime power)	L/h	19,8
50% load(Prime power)	L/h	14,1
25% load(Prime power)	L/h	8
Fuel capacity for silent genset	L	185
Fuel capacity for open genset	L	200

**Lubrication System**

Oil max Temperature	°C	120
Oil capacity inclcuding filters	L	12,8
Oil capacity Max	L	8,5
Oil capacity Low	L	5,5

## Cooling System

Coolant capacity in engine	L	8,5
Coolant capacity with radiator	L	10
Thermostat operating range.	°C	78~96
Coolant engine flow	L/min	103
Coolant Temp range	°C	83~99

## Standard Features

Engine(FPT 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	●
Water heater	●

## Options

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

## Alternator

Model		TAL-A44-E
Alternator Brand		LEROY SOMER
Phase		3
Voltage	V	400
Wiring Type		6 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	125
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

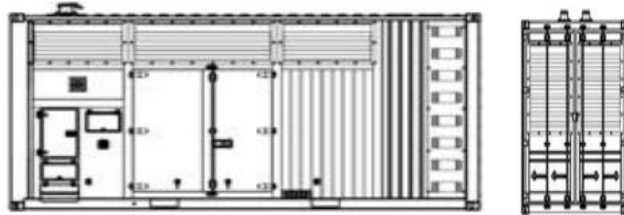
Overload (kW & kV Ar) protection

Emergency stop

Start failure



## Unit Dimensions(Basic unit)



### Silent Type

L\*W\*H

mm

2850x1050x1550

Weight

kg

1650

## Warranty

### FPT Engine

12 months from date of purchase or 1000 hours.

### Generator

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

