

# Doosan Generator

**Prime: 50KW/63KVA**  
**Standby: 55KW/70KVA**

## Technical Data

<b>Model</b>		<b>DPX-19850</b>
Prime power	kva	63
	kw	50
Standby power	kva	70
	kw	55
Rated voltage line to line	V	400
Rated current	A	90,2
Maximun sound level	dB@7m	72

## Engine-Doosan

<b>Model</b>		<b>SP344CB</b>
Aspiration		Four-stroke, water-cooled, direct injection, common rail
No. cylinders		4
Displacement	L	3,4
Bore*Stroke	mm	98x113
Compression ratio		16.8:1
Rated speed	r/min	1500
Governor		Electrcial system
Engine wet weight	kg	472
Engine dimension	mm	1138.5x783x1135
Fire order		1-3-4-2
Start Motor	V	12

## Exhause System

Max exhaust back pressure	kPa	6
Exhuast flow(prime power)	m3/min	4,5

## Air intake System

Max inlet pressure (Dirty air)	kPa	6,5
Max inlet pressure (Clean air)	kPa	3

## Fuel System

110% load(Standby power)	L/h	15,5
100% load(Prime power)	L/h	13,7
75% load(Prime power)	L/h	10,3
50% load(Prime power)	L/h	7,2
25% load(Prime power)	L/h	4
Fuel capacity for silent genset	L	108
Fuel capacity for open genset	L	100

## Lubrication System

Idle speed oil pressure	kPa	250
Max oil temperature	°C	125
Oil capacity Max	L	12,6
Oil capacity Low	L	6

## Cooling System

Coolant capacity	L	14,2
Thermostat operating range.	°C	80~90
Pressure cap	kPa	25
Coolant Alarm temperature	°C	105

## Standard Features

Engine(Doosan 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	<input type="radio"/>
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

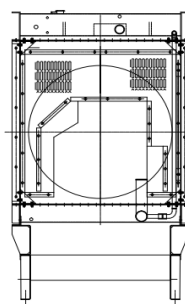
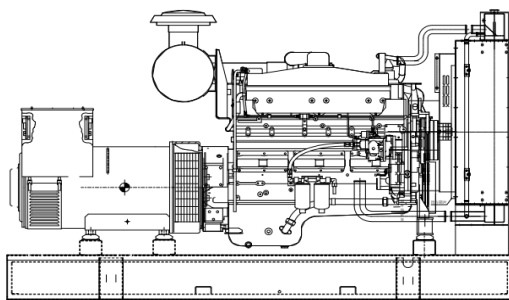
Model		TAL-A42-H
Alternator Brand		LEROY SOMER
Phase		3
Voltage	V	400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	63
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

## 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)



### Open Type

L\*W\*H

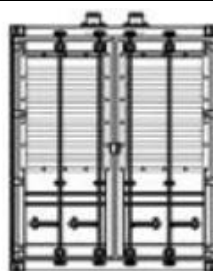
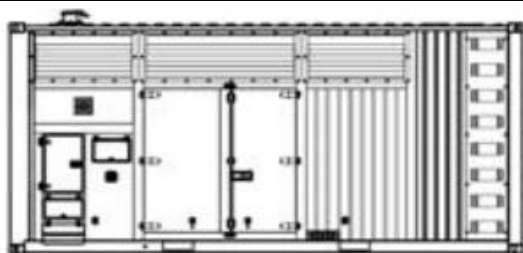
mm

2000\*900\*1300

Weight

kg

950



### Silent Type

L\*W\*H

mm

2500\*1050\*1550

Weight

kg

1250

## Warranty

### Doosan Engine

12 months from date of purchase or 1000 hours.

### Generator

12 months from date of purchase or 1000 hours

(whichever comes first).

