

Doosan Generator

Prime: 516KW/645KVA
Standby: 568KW/710KVA

Technical Data

Model: Doosan DP180LB

DPX-19857

Prime power	kva	645
	kw	516
Standby power	kva	710
	kw	568
Rated voltage line to line	V	400
Rated current	A	931
Maximun sound level	dB@7m	75

Engine-Doosan DP180LB

Model	DP180LB	
Aspiration	Four-stroke, water-cooled, 10 cylinders,V type, turbo charged and intercooled	
No. cylinders	10	
Displacement	L	18,273
Bore*Stroke	mm	128x142
Compression ratio	15.0:1	
Rated speed	r/min	1500
Governor	Electrcial system	
Engine wet weight	kg	1250
Engine dimension	mm	1592×1389×1223
Fire order	1-6-5-10-2-7-3-8-4-9	
Start Motor	V	24

Exhaust System

Max exhaust back pressure	kPa	5,9
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Air intake System

Max inlet pressure (Dirty air)	kPa	6,23
Max inlet pressure (Clean air)	kPa	2,16

Fuel System

110% load(Standby power)	L/h	150
100% load(Prime power)	L/h	136,4
75% load(Prime power)	L/h	103,8
50% load(Prime power)	L/h	71,2
25% load(Prime power)	L/h	38,6
Fuel capacity for silent genset	L	1000
Fuel capacity for open genset	L	1000

Lubrication System

Idle speed oil pressure	kPa	100
Max oil temperature	°C	120
Oil capacity Max	L	34
Oil capacity Low	L	23

Cooling System

Coolant capacity in engine	L	21
Coolant capacity with radiator	L	91
Thermostat operating range.	°C	71~85
Pressure cap	kPa	49
Coolant Alarm temperature	°C	103

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

Alternator

Model		TAL-A473-F
Alternator Brand		LERROY SOMER
Phase		3
Voltage	V	400
Wiring Type		6 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	600
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

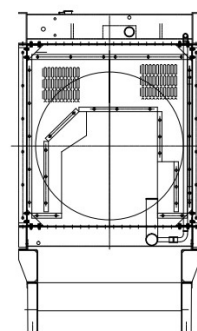
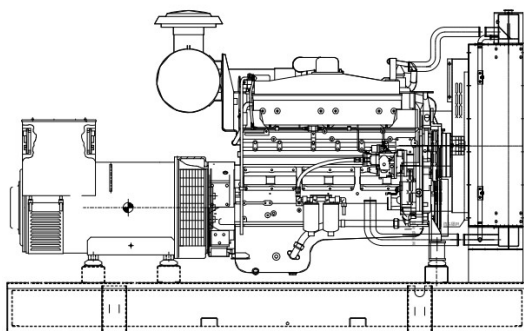
Controller-Deepsea

Model: DSE 7320

- 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

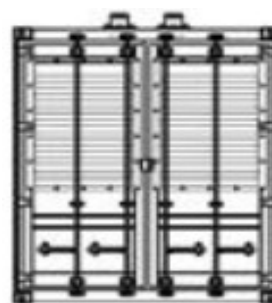
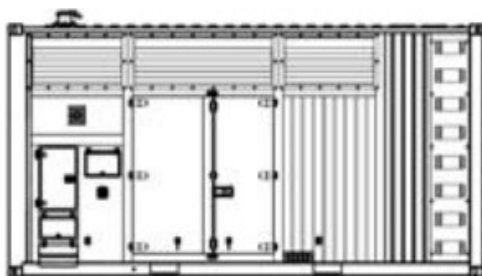
mm

3600x1550x2000

Weight

kg

4550



Silent Type

L*W*H

mm

4400x1800x2500

Weight

kg

5650

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).