

Doosan Generator

Prime: 364KW/455KVA
Standby: 400KW/500KVA

Technical Data

Model		510kva
Prime power	kva	455
	kw	364
Standby power	kva	510
	kw	408
Rated voltage line to line	V	400
Rated current	A	656,8
Maximun sound level	dB@7m	75

Engine-Doosan

Model	DP158LC	
Aspiration	Four-stroke, water-cooled, 8 cylinders,V type, trubo charged and intercooled	
No. cylinders	8	
Displacement	L	14,618
Bore*Stroke	mm	128x142
Compression ratio	15.0:1	
Rated speed	r/min	1500
Governor	Electrcial system	
Engine wet weight	kg	1155
Engine dimension	mm	1274×1138×1207
Fire order	1-5-7-2-6-3-4-8	
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	109,7
100% load(Prime power)	L/h	99,6
75% load(Prime power)	L/h	72,9
50% load(Prime power)	L/h	48,9
25% load(Prime power)	L/h	27,6
Fuel capacity for silent genset	L	775
Fuel capacity for open genset	L	775

Lubrication System

Idle speed oil pressure	kPa	100
Max oil temperature	°C	120
Oil capacity Max	L	22
Oil capacity Low	L	13

Cooling System

Coolant capacity in engine	L	20
Coolant capacity with radiator	L	79
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-B
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	455
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

Controller-Deepsea

Model	DSE 7320
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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

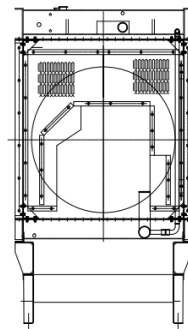
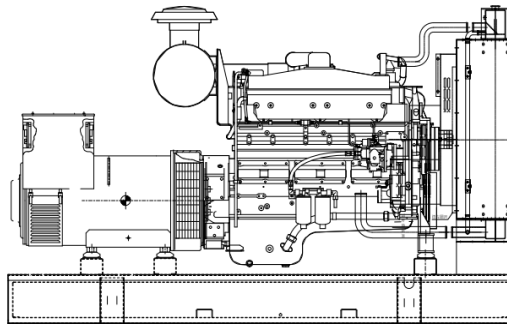
Overload (kW & kV Ar) protection

Emergency stop

Start failure



Unit Dimensions(Basic unit)



Open Type

L*W*H

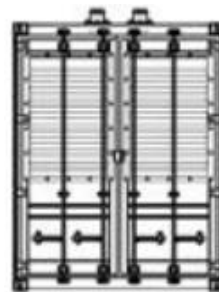
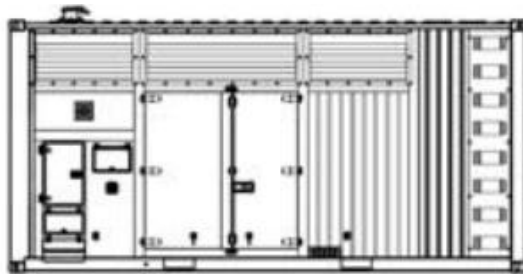
mm

3400x1650x2000

Weight

kg

3600



Silent Type

L*W*H

mm

3950x1800x2250

Weight

kg

4200

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).