

Doosan Generator

Prime: 160KW/200KVA
Standby: 176KW/220KVA

Technical Data

Model		220kva
Prime power	kva	200
	kw	160
Standby power	kva	220
	kw	176
Rated voltage line to line	V	400
Rated current	A	288,7
Maximun sound level	dB@7m	74

Engine-Doosan

Model	P086TI	
Aspiration	Four-stroke, water-cooled, 6 cylinders,in line, turbo charged and intercooled	
No. cylinders	6	
Displacement	L	8,071
Bore*Stroke	mm	111x139
Compression ratio	16.4:1	
Rated speed	r/min	1500
Governor	Electrcial system	
Engine wet weight	kg	790
Engine dimension	mm	1242×923×1095
Fire order	1-5-3-6-2-4	
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	47,5
100% load(Prime power)	L/h	43,1
75% load(Prime power)	L/h	31,7
50% load(Prime power)	L/h	21,1
25% load(Prime power)	L/h	11,3
Fuel capacity for silent genset	L	224
Fuel capacity for open genset	L	224

Lubrication System

Idle speed oil pressure	kPa	250
Max oil temperature	°C	120
Oil capacity Max	L	15,5
Oil capacity Low	L	12

Cooling System

Coolant capacity in engine	L	14
Coolant capacity with radiator	L	44
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

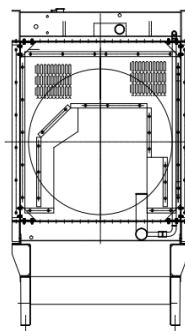
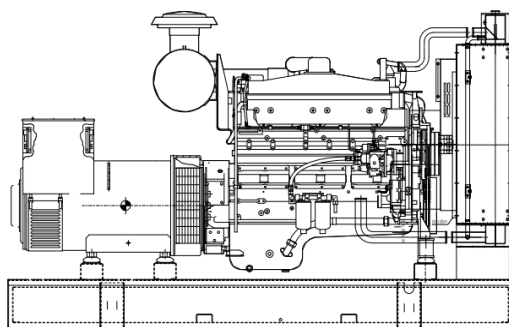
Model		TAL-A44-M
Alternator Brand		LERROY SOMER
Phase		3
Voltage	V	400
Wiring Type		6 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	200
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

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

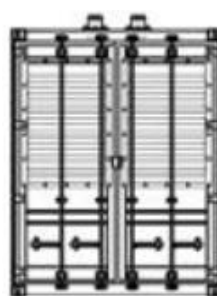
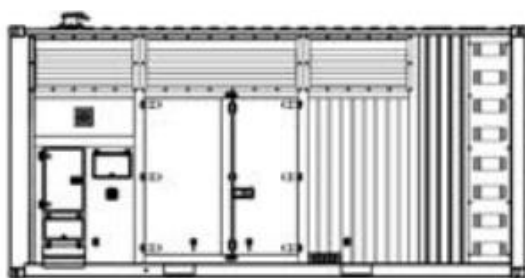
mm

2850*950*1450

Weight

kg

1600



Silent Type

L*W*H

mm

3550*1130*1800

Weight

kg

2100

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).