

# DOOSAN

## Generators | Product Range



# Performance and flexibility power your productivity!

## Established alternators

Powertrains feature established alternators from Leroy Somer and Marelli to efficiently convert engine output into stable and reliable electrical power supply.

All alternator models have been sized for high ambient working conditions and come standard with IP23 rating and insulation class H, 12 re-connectable leads, shunt excitation and AVR to provide flexibility across multiple application types.



## Control panel and main circuit breaker

All generator units come with the Deep Sea 7110 MKII control panel. This user-friendly operation interface provides a complete list of mechanical/electrical measurements and protections. It comes with auto-start mode and USB connection port for easy diagnosis and set-up.

The standard electrical protection is a 3-pole Terasaki electronically adjustable circuit breaker. The nominal current ratings have been selected to allow electrical power delivery under 220/230V.

### Powered by Doosan

Doosan engines deliver not just power but peace of mind. Minimised engine arrangement complexity and maximised simplicity of use safeguard against unwanted interruptions and guarantee short response times to load changes.

Doosan engines use the latest design technology to deliver peak performance and maximum uptime, while providing unmatched fuel economy. The reliability and durability of Doosan engines have been field proven through exposure to some of the most severe applications and conditions around the world.



### Frame and canopy arrangements

All power trains are available in open skid or sound attenuated configurations:

Open skid generators come with exhaust muffler, compensators and piping assembled. In this configuration, the generators feature 4 lifting eyes at the corners and frame bottom clearance profiles for handling with forklift.

Sound attenuated canopies are designed to optimise airflow to ensure ample cooling in high ambient temperatures, while reducing bystander noise levels. Standard features include: lockable doors, easy maintenance access, 2 or 4 lifting points, and forklift channel or clearance profiles.

All machines have both engine coolant and oil drains and are delivered with a tool kit and first set of filters.

## DEEP SEA DSE 7110MKII PANEL FEATURES

Measurements	AC voltage phase-phase and phase-neutral
	AC amps per phase
	Frequency
	kVA - kVAR - kW - Power factor
	Engine hours
	Engine speed (RPM)
	Engine oil pressure
	Engine coolant temperature
	Fuel level
	Battery voltage
Indicators	System in Auto Mode LED
	System in Manual Mode LED
	Shutdown Alarm LED (configurable)
	Warning Alarm LED (configurable)
	Generator availability - generator breaker LED
Shutdown & warnings	Low oil pressure shutdown
	High coolant temperature shutdown
	Engine over-under speed shutdown
	Engine over-under voltage shutdown
	Engine kW/Amps overload shutdown
	Engine overcrank warning/shutdown
	Battery charge fail warning
Miscellaneous	Buttons for start/stop/mode/fault reset
	Menu navigation buttons
	Auto-Start mode
	LCD screen backlight
	USB connection port
	Memory storage capacity for 50 historical events
	IP65 with sealing gasket
	4 user configurable status indication LEDs



# Doosan Generators

## Technical Specifications

Models		G60 / G65		G80 / G100		G115 / G130		
<b>Output rating</b>								
Prime power	kVA	58	63	82	97	115	131	
Standby power	kVA	63	67	91	105	125	145	
Rating voltage 50/60Hz - ambient T° - altitude	V - °C - m							
Frequency (units are not dual frequency - 50 or 60Hz rating)	Hz	50	60	50	60	50	60	
Voltages, single phase - 3 phases	V	400 - 230	380 - 220	400 - 230	380 - 220	400 - 230	380 - 220	
<b>Engine</b>								
Make		Doosan		Doosan		Doosan		
Model		DB58		DP066TA	DP066TA & D1146 <sup>(1)</sup>	DP066LA		
Emission compliance		TIER 1		-	- & TIER 1	-		
Engine prime power (gross - ISO8528)	kWm	54	64	77 <sup>(2)</sup>	109 <sup>(3)</sup> & 96 <sup>(4)</sup>	105	123	
Engine stand-by power (gross - ISO8528)	kWm	59	70	85 <sup>(2)</sup>	120 <sup>(3)</sup> & 105 <sup>(4)</sup>	115	135	
Arrangement - Number of cylinders		L - 6		L - 6		L - 6		
Displacement	L	5.78		8.07	8.07 & 5.8	5.8		
Electrical system	V	24		24		24		
Speed governor type		Mechanical		Electrical	Electrical & mechanical	Electrical		
Speed drop class (ISO8528)		G2		G2		G2		
Fuel tank capacity with canopy or open frame (XW - XF)	l	300 - 200		300 - 200		300 - 200		
Engine-specific fuel consumption @ 75% engine prime power <sup>(5)</sup>	l/h	10.5	12.2	14.9 <sup>(2)</sup>	21.6 <sup>(3)</sup> & 17.6 <sup>(4)</sup>	20.4	24.3	
Runtime with on-board fuel tank @ 75% engine prime power (XW - XF)	h	25 - 17	22 - 14	18 - 12 <sup>(2)</sup>	12 - 8 <sup>(3)</sup> & 5 - 10 <sup>(4)</sup>	13 - 8.5	11 - 7	
<b>Alternator</b>								
Brand		Marelli		Marelli		Marelli		
Model		MJB200MA4		MJB225SB4		MJB225SB4		
Insulation class		Class H		Class H		Class H		
IP rating		IP23		IP23		IP23		
Alternator excitation type		Shunt		Shunt		Shunt		
AVR model		M16FA655A		M16FA655A		M16FA655A		
Voltage regulation accuracy		0.50%		0.50%		0.50%		
12 wire leads re-connectable configuration		yes		yes		yes		
<b>Control panel - circuit breaker</b>								
Control panel brand		Deep Sea		Deep Sea		Deep Sea		
Control panel model		7110 MKII		7110 MKII		7110 MKII		
Circuit breaker brand		Terasaki		Terasaki		Terasaki		
Circuit breaker model (number of poles)		S250-NE (3)		S250-NE (3)		S400-NE (3)		
<b>Weights &amp; Dimensions sound attenuated</b>								
		<b>G60/G65XW</b>		<b>G80/G100XW</b>		<b>G115/G130XW</b>		
Length	mm	3200		3200		3200		
Width	mm	1100		1100		1100		
Height	mm	1850		1850		1850		
Wet weight	kg	1920		2190		2350		
<b>Weights &amp; Dimensions open frames</b>								
		<b>G60/G65XF</b>		<b>G80/G100XF</b>		<b>G115/G130XF</b>		
Length	mm	2140		2360		2360		
Width	mm	920		920		920		
Height	mm	2020		2260		2260		
Wet weight	kg	1500		1600		1800		
<b>Standard Features</b>								
Deep Sea controller DSE 7110MKII		x		x		x		
Voltage-free terminals for Auto-Start contact		x		x		x		
Oil and coolant drain plugs		x		x		x		
Fuel filtration								
Air filtration								
3-pole manual circuit breaker		x		x		x		
Tropical radiator		o		o		o		
Lifting points quantity		2		2		2		
Clearance for forklift handling / forklift channels		x		x		x		
Tool kit		x		x		x		
Filtration kit		x		x		x		
Key on all latches		x		x		x		

<sup>(1)</sup> D1146 and D1146T engines only available in 60Hz

<sup>(2)</sup> 50Hz performance with DP066TA

<sup>(3)</sup> 60Hz performance with DP066TA

<sup>(4)</sup> 60Hz performance with D1146

<sup>(5)</sup> The specific fuel consumption data is based on ISO 3046/1

x: Available

o: Not available



G500 / G530		G550 / G600		G625 / G655		G730	G690 / G800		G750 / G850	
499	530	550	590	625	657	725	690	799	750	847
550	585	610	630	690	725	760	760	884	830	887
400/380 - 45 - Sea level										
50	60	50	60	50	60	60	50	60	50	60
400 - 230	380 - 220	400 - 230	380 - 220	400 - 230	380 - 220	380 - 220	400 - 230	380 - 220	400 - 230	380 - 220
Doosan DP158LD		Doosan DP180LA		Doosan DP180LB		Doosan DP222LA	Doosan DP222LB		Doosan DP222LC	
-	-	-	-	-	-	-	-	-	-	-
464	505	502	559	556	601	670	604	711	657	753
510	556	552	615	612	661	737	664	782	-	-
V - 8		V - 10		V - 10		V - 12	V - 12		V - 12	
14.62		18.27		18.27		21.93	21.93		21.93	
24		24		24		24	24		24	
Electrical		Electrical		Electrical		Electrical	Electrical		Electrical	
G2		G2		G2		G2	G2		G2	
950 - No tank		950 - No tank		950 - No tank		950 - No tank	950 - No tank		950 - No tank	
83.4	92.9	94.2	106.6	103.8	114.2	120.4	109.2	127.7	119.1	134.4
10	9	9	8	8	7.5	7	7.5	6.5	7	6
Leroy Somer LSA47.2L9		Leroy Somer LSA47.2L9		Leroy Somer LSA49.1M5		Leroy Somer LSA49.1M5	Leroy Somer LSA49.1L9		Leroy Somer LSA49.1L9	
Class H		Class H		Class H		Class H	Class H		Class H	
IP23		IP23		IP23		IP23	IP23		IP23	
Shunt		Shunt		Shunt		Shunt	Shunt		Shunt	
R450		R450		R450		R450	R450		R450	
0.50%		0.50%		0.50%		0.50%	0.50%		0.50%	
yes		yes		yes		yes	yes		yes	
Deep Sea 7110 MKII		Deep Sea 7110 MKII		Deep Sea 7110 MKII		Deep Sea 7110 MKII	Deep Sea 7110 MKII		Deep Sea 7110 MKII	
Terasaki S1600-NE (3)		Terasaki S1600-NE (3)		Terasaki AR220S (3)		Terasaki AR220S (3)	Terasaki AR220S (3)		Terasaki AR220S (3)	
<b>G500/G530XW</b>		<b>G550/G600XW</b>		<b>G625/G655XW</b>		<b>G730XW</b>	<b>G690/G800XW</b>		<b>G750/G850XW</b>	
5260		5260		5260		6060	6060		6060	
2000		2000		2000		2440	2440		2440	
2130		2130		2130		2590	2590		2590	
5200		5450		5450		6485	6485		6485	
<b>G500/G530XF</b>		<b>G550/G600XF</b>		<b>G625/G655XF</b>		<b>G730XF</b>	<b>G690/G800XF</b>		<b>G750/G850XF</b>	
3000		3000		3000		3800	3800		3800	
1630		1630		1630		1630	1630		1630	
2298		2298		2298		2298	2298		2298	
2750		3100		3100		3900	3900		4100	
x		x		x		x	x		x	
x		x		x		x	x		x	
x		x		x		x	x		x	
Spin-on fuel filters and standard water separator / Additional RACOR water separator										
Single element - Dual layer										
x		x		x		x	x		x	
x		x		x		x	x		x	
4		4		4		4	4		4	
x		x		x		x	x		x	
x		x		x		x	x		x	
x		x		x		x	x		x	
x		x		x		x	x		x	

# Your journey with a Doosan Portable Power generator starts here

With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people.

We are committed to helping you realise maximum value – job after job, day after day. We support your purchase with engineers and factory technicians, field representatives and your dealer. Wherever you see a piece of Doosan Portable Power equipment, know that all of the Doosan Portable Power team is behind it.



## Industry-leading support

Our industry-leading support system helps keep your Doosan Portable Power equipment up and running for as long as you own it. Doosan Portable Power is committed to supporting each product throughout its life by offering you an invaluable source of product information, training, service, technical service bulletins, parts and more...

## Comprehensive warranty

Doosan generators are supported by a global dealer network and backed by a comprehensive warranty that covers the complete generator package for 1 year or 2000 hours (whichever comes first).

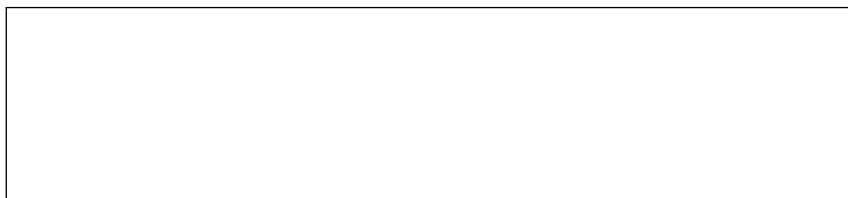
## Aftermarket solutions and service

- A proven track record of over 15 years of manufacturing and selling generator products
- Parts and service network delivering global strength to meet local needs
- Worldwide network of certified dealers to provide customised service and parts solutions



[www.doosanportablepower.eu](http://www.doosanportablepower.eu)

More than generators



Portable Power

Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.

