

# DEUTZ

## POWER SOLUTIONS



DPS SOUNDPROOFED GENSET 50 HZ / 60 HZ



The engine company.



---

# DEUTZ POWER SOLUTIONS

# **SOUNDPROOFED**

## GENSETS 50HZ / 60HZ

**Our heavy-duty DEUTZ POWER SOLUTIONS gensets have been designed to meet market requirements and offer world-class quality, fuel economy, reliability and performance.**

All of our complete generator sets are manufactured and tested according to stringent DEUTZ standards. Customers can be assured of their quality, performance and durability.

The Standard DPS package includes various features and allows customization to meet most application requirements.

## CANOPIES: C20, C30 & C40

---

### STANDARD CONFIGURATION:

- DEUTZ G-Drive engine made in Germany
- Stamford brushless AVR electronic-controlled generator
- Digital Controller DSE 4520 for standby application
- Electronic governor, standard on models 145, 230 and 280
- Battery charger
- Soundproof canopy
- Instrument panel
- Base-mounted fuel tank without retention basin
- Autonomy min 8 hs @ 75% PRP
- Silencer residential type, mounted
- Battery + isolator
- Rubber door blocking
- Operation manual

### OPTIONS:

- Engine preheater kit
- Cold climate starting kit
- Electronic governor
- Automatic transfer switch (loose)

## CANOPY: CX100

---

### STANDARD CONFIGURATION:

- As C40 with retention basin

### OPTIONS:

- As C40 plus
- Central lifting eye

## Features and Benefits:

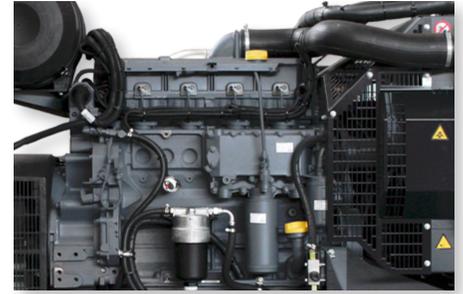


### AIR-INTAKE GRIDS AND OPENINGS SUITABLE FOR HOT CLIMATES

Specifically designed to operate in areas where the temperature is high, the DPS SG range is provided with side air-intake openings which grant proper air circulation. It also features rain protection and sound insulation. Thanks to precise photometric testing, we detected the noisiest sections and applied high-efficiency, sound-absorbing panels.

### TOUGH, RELIABLE AND EFFICIENT DEUTZ ENGINE

Mechanical injection system with individual pump-line-injector system (only 2013 with common rail). Over 65 kVA electronic governor as standard and below that as an option. Excellent load response (G2 up to 180 kVA and G3 over it). Operation with fuels with 500 ppm sulphur content is allowed without restrictions. Above this value it is possible with restrictions. Durable design in main components. For long-term use and a long-lasting, attractive appearance, quality painting processes are essential. Enjoy the durability of a powder-coated paint on the base frame. Engine and generator painted according to the most stringent DEUTZ standards.



### FUEL SAVINGS AND LOW OPERATIVE COSTS

Standard 500-hour maintenance interval up to 1000 hours for sub 65 kVA as option. Optimized for decreased fuel consumption and lower operating costs.



### FULLY ACCESSIBLE

This series of gensets is engineered to run in harsh environments like deserts, farms and coastal regions while keeping parts of the machine accessible for easier maintenance. Cables and outlet door are equipped with condensation protection and cable feed through set up.



### INTEGRATED FUEL TANK

The fuel tank is placed inside the base frame. Every fuel tank is tested for leaks to ensure flawless operation. Optimal fuel tank capacity allows for less-frequent refueling in remote areas.

The engine company.

## CONTROL PANEL



### The SG range control panel features:

- On/Off Key
- Emergency stop button
- Control module DEEP SEA® 4520 MKII
- Primary brand circuit breakers



### DEEP SEA® 4520 MKII

DSE4520 is a compact Auto Mains (Utility) Failure Control Module. Monitoring an extensive number of engine parameters, the module displays warning, shut-down and engine status information on the LCD screen.

For information about additional features, please contact your local DEUTZ partner or email [engine-accessories@deutz.com](mailto:engine-accessories@deutz.com)

## RATING DEFINITIONS

### Prime Rating (PRP)

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. Operating at a max mean load factor at 80% of nominal power. There is no limitation on the annual hours of operation, and this model can supply 10% overload power for one hour on a 12 hour period.

### Standby Rating (LTP)

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3). Max operating hours 500 a year.

### Standard Reference Conditions

Standard reference conditions include a 25°C (77°F) air inlet temp, 100m (328 ft) A.S.L. 30% humidity. Ratings in accordance with ISO 8528. Power factor  $\cos \phi$  0.8. For de-rating factors depending on altitude and temperature please contact your DEUTZ® partner (for example TCD 2013 does not de-rate up to 40°C and 1500 m A.S.L.).

## WARRANTY

All equipment carries the DEUTZ standard manufacturer's warranty. For details on warranty coverage, please contact your responsible sales partner or visit our website: [www.deutzamericas.com](http://www.deutzamericas.com)



## Technical Data:

DPS SOUNDPROOFED GENSET 50 HZ										
Model	DPS	25 SG	35 SG	50 SG	65 SG	110 SG	145 SG	175 SG	230 SG	280 SG
Rated speed	rpm	1500	1500	1500	1500	1500	1500	1500	1500	1500
Rated voltage, 3 phases	Voltage options	400/380	400/380	400/380	400/380	400/380	400/380	400/380	400/380	400/380
Rated power (PRP), 3 phases	kVA	20 / 18.3	30 / 30	40 / 36.6	60 / 55.8	100 / 100	130 / 130	160 / 160	200.0 / 200.0	250.0 / 250.0
Rated power (LTP), 3 phases	kVA	21.3 / 20.1	33.0 / 33.0	44.0 / 40.3	62.0 / 62.0	110.0 / 110.0	137.0 / 133.0	172.0 / 171.0	220.0 / 220.0	275.0 / 266.0
Rated power (PRP), 3 phases	kW	16 / 14.6	24 / 24	32 / 29.3	48 / 44.6	80 / 80	104 / 104	128 / 128	160.0 / 160	200.0 / 200.0
Rated power (LTP), 3 phases	kW	17.0 / 16.1	26.4 / 26.4	35.2 / 32.2	49.6 / 49.6	88.0 / 88.0	109.6 / 106.4	137.6 / 136.9	176.0 / 176.0	220.0 / 212.8
Nominal current (LTP) 400V, 3 phases	A	31	48	64	90	158	198	248	317	397
<b>Engine</b>										
Make		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		F3M2011	F4M2011	BF4M2011	BF4M2011C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FCG3	TCD2013L064V
Rated COP/PRP mechanical power	kW	19.3	27.8	37.1	53.1	116.1	137.7	153.0	180.9	225.0
Rated LTP mechanical power	kW	21.4	30.9	41.2	59.0	129.0	153.0	170.0	201.0	250.0
Emissions	Cert	Tier 0-2	Tier 0-2	Tier 0-2	Tier 0-2	Tier 3				
Cooling system		oil	oil	oil	oil	water	water	water	water	water
Speed governing	type	mechanical	mechanical	mechanical	mechanical	mechanical	electronic	mechanical	electronic	electronic
	class	G2	G2	G2	G2	G2	G2	G2	G3	G3
Number of cylinders		3	4	4	4	4	4	6	6	6
Engines configuration		IL	IL	IL	IL	IL	IL	IL	IL	IL
Displacement	ltr	2,3	3,1	3,1	3,1	4,8	4,8	7,2	7,2	7,8
Electrical equipment	V/dc	12	12	12	12	12	12	12	12	24
<b>Generator</b>										
Generator	Make	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford
Generator	Model	S0L2-G	S1L2-K	S1L2-K	S1L2-Y	UCI274C	UCI274E	UCI274F	UCI274H	UCDI274K
Connection		Series star	Series star	Series star	Series star	Series star				
Phases		3PH + N	3PH + N	3PH + N	3PH + N	3PH + N				
Terminals	Number	12	12	12	12	12	12	12	12	12
Winding	Config	311	311	311	311	311	311	311	311	311
Protection	IP	23	23	23	23	23	23	23	23	23
Electronic regulator	Model	AS540	AS540	AS540	AS540	AS540	AS540	AS540	AS540	AS540
Precision	%	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
<b>Control Panel</b>										
Control panel	metal box	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted
Control module	Deepsea	4520 MKII	4520 MKII	4520 MKII	4520 MKII	4520 MKII				
Automatic start	Deepsea	INC	INC	INC	INC	INC	INC	INC	INC	INC
On/off key		INC	INC	INC	INC	INC	INC	INC	INC	INC
Emergency stop button		INC	INC	INC	INC	INC	INC	INC	INC	INC
Auto transfer switch		OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT
Battery charger		INC	INC	INC	INC	INC	INC	INC	INC	INC
Circuit breaker		INC	INC	INC	INC	INC	INC	INC	INC	INC
<b>Consumption</b>										
Fuel (75% of load)	l/h	4.0	5.7	7.6	10.4	18.4	21.3	27.4	34.2	43.4
Fuel (75% of load)	USG/h	1.1	1.5	2.0	2.8	4.9	5.6	7.2	9.0	11.5
Fuel (75% of load)	g/Kwh	218	217	215	206	211	203	208	209	225
<b>Noise Level</b>										
dbA at 7m	dbA	69	69	69	70	78	78	78	70	70
Exhaust silencer	Internal	INC	INC	INC	INC	INC	INC	INC	INC	INC

The data in this brochure is for information purposes only and are not binding values.  
The data in the quotation is definitive.

The engine company.

## DPS SOUNDPROOFED GENSET 60 HZ

Model	DPS	25 SG	35 SG	50 SG	65 SG	110 SG	145 SG	175 SG	230 SG	280 SG
Rated speed	rpm	1800	1800	1800	1800	1800	1800	1800	1800	1800
Rated voltage, 3 phases	Voltage options	220/208	220/208	220/208	220/208	220/208	220/208	220/208	220/208	220/208
Rated power (PRP), 3 phases	kVA	21.2 / 20.9	35.7 / 35.7	48.0 / 48.0	63.0 / 63.0	111 / 111	135 / 131.3	167.5 / 160.0	225.0 / 225.0	252.0 / 252.0
Rated power (LTP), 3 phases	kVA	24.6 / 23.2	37.5 / 37.5	50.0 / 50.0	66.0 / 66.0	117.0 / 117.0	143.0 / 142.5	176.3 / 175.0	250.0 / 250.0	280.0 / 280.0
Rated power (PRP), 3 phases	kW	17.7 / 16.7	28.6 / 28.6	38.4 / 38.4	50.4 / 50.4	88.8 / 88.8	108.0 / 105.0	134.0 / 128.0	180.0 / 180.0	201.6 / 201.6
Rated power (LTP), 3 phases	kW	19.7 / 18.6	30.0 / 30.4	40.0 / 40.0	52.8 / 52.8	93.6 / 93.6	114.4 / 114.0	141.0 / 140.0	200.0 / 200.0	224.0 / 224.0
Nominal current (LTP) 200V, 3 phases	A	65	98	131	173	307	375	462	656	735
<b>Engine</b>										
Make		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		F3M2011	F4M2011	BF4M2011	BF4M2011C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FCG3	TCD2013L064V
Rated COP/PRP mechanical power	kW	22.1	29.0	38.2	54.0	99	122.4	146.7	202.5	236.7
Rated LTP mechanical power	kW	24.5	35.2	47.3	63.6	110	136.0	163.0	225.0	263.0
Emissions	Cert	Tier 0-2	Tier 0-2	Tier 0-2	Tier 0-2	Tier 3				
Cooling system		oil	oil	oil	oil	water	water	water	water	water
Speed governing	type class	mechanical	mechanical	mechanical	mechanical	mechanical	electronic	mechanical	electronic	electronic
Number of cylinders		3	4	4	4	4	6	6	6	6
Engines configuration		IL	IL	IL	IL	IL	IL	IL	IL	IL
Displacement	ltr	2,3	3,1	3,1	3,1	4,8	7.2	7.2	7.2	7.8
Electrical equipment	V/dc	12	12	12	12	12	12	12	12	24
<b>Generator</b>										
Generator	Make	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford
Generator	Model	S0L2-G	S1L2-K	S1L2-K	S1L2-Y	UC1274C	UC1274D	UC1274E	UCI274H	UCDI274K
Connection		Series star	Series star	Series star	Series star	Series star				
Phases		3PH + N	3PH + N	3PH + N	3PH + N	3PH + N				
Terminals	Number	12	12	12	12	12	12	12	12	12
Winding	Config	311	311	311	311	311	311	311	311	311
Protection	IP	23	23	23	23	23	23	23	23	23
Electronic regulator	Model	AS540	AS540	AS540	AS540	AS540	AS540	AS540	AS540	AS540
Precision	%	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
<b>Control Panel</b>										
Control panel	metal box	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted	Mounted
Control module	Deepsea	4520 MKII	4520 MKII	4520 MKII	4520 MKII	4520 MKII				
Automatic start	Deepsea	INC	INC	INC	INC	INC	INC	INC	INC	INC
On/off key		INC	INC	INC	INC	INC	INC	INC	INC	INC
Emergency stop button		INC	INC	INC	INC	INC	INC	INC	INC	INC
Auto transfer switch		OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT
Battery charger		INC	INC	INC	INC	INC	INC	INC	INC	INC
Circuit breaker		INC	INC	INC	INC	INC	INC	INC	INC	INC
<b>Consumption</b>										
Fuel (75% of load)	l/h	4.0	5.7	7.6	10.4	18.4	21.3	27.4	34.2	43.4
Fuel (75% of load)	USG/h	1.1	1.5	2.0	2.8	4.9	5.6	7.2	9.0	11.5
Fuel (75% of load)	g/kwh	218	217	215	206	211	203	208	209	225
<b>Noise Level</b>										
dbA at 7m	dbA	69	69	69	70	78	78	78	70	70
Exhaust silencer	Internal	INC	INC	INC	INC	INC	INC	INC	INC	INC



## DPS SOUNDPROOFED GENSET 50 HZ / 60HZ

Model	DPS	25 SG	35 SG	50 SG	65 SG	110 SG	145 SG	175 SG	230 SG	280 SG
Canopy	powered coat RAL9010	galvanized steel								
Weight (approx.)	kg	690	810	1000	1010	1400	1950	2100	2150	2200
Length	mm	1980	1980	1980	1980	2513	2944	2944	3060	3060
Width	mm	924	924	924	924	1100	1150	1150	1140	1150
Height	mm	1200	1200	1200	1200	1480	1870	1870	2230	2230
Canopy model	code	C20	C20	C20	C20	C30	C40	C40	CX121	CX121
Battery & isolator		INC								
Oil extraction pump		INC								
Integrated fuel tank capacity	ltr	90	90	90	90	145	280	280	500	500
Fuel tank gauge	ltr	INC								



**C20**



**C30**



**C40**



**CX100**

Canopy Model	code	C20	C30	C40	CCX100
Length A	mm	1980	2513	2944	3060
Width B	mm	924	1100	1150	1140
Height C	mm	1200	1480	1870	2230



DEUTZ Corporation  
 3883 Steve Reynolds Blvd. | Norcross, GA 30093 USA  
 Phone: (770) 564-7100 | E-mail: info.usa@deutz.com  
 www.deutzamericas.com

