



# ICONOGRAPHY

## GENSET MODEL NUMBER

KECSW55- O  
 ↓ Engine Make   ↓ Standby Power   ↓ Open Set

KEPSW500- S  
 ↓ Engine Make   ↓ Standby Power   ↓ Soundproof Enclosure

## ENGINE MANUFACTURER



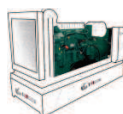
CUMMINS

PERKINS

MTU

VOLVO PENTA

## SPECIFICATIONS



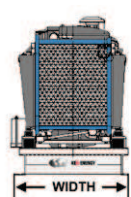
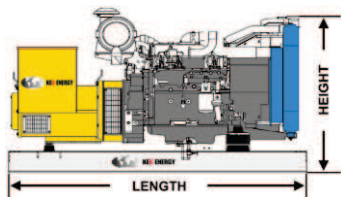
Open Set

Soundproof Set

Prime Power

Standby Power

## DIMENSIONS



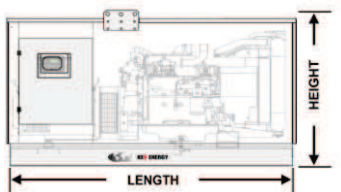
Genset Length

Genset Width

Genset Height

Genset Weight

## AUX. EQUIPMENT



Transfer Switch

Amperes

Deep Sea Electronics

Controller Type

# STANDARD GENSET EQUIPMENT

## STANDARD ALTERNATORS



Marelli Motori S.p.A.  
Italy



Emerson Group,  
Leroy Somer  
France



Cummins Generator  
Tech., Stamford  
United Kingdom



## STANDARD CONTROL PANEL



Deep Sea Electronics  
United Kingdom



**Main tension control** 3P+N  
**Generator Voltage** 3P+N  
**control**  
**Generator current** 3P  
**control**  
**Modes** Off, Auto, Test, Manual, Isla  
**4P**  
**Alarms and Alerts**  
-Start Failure -Over-load  
-Emergency Stop -Over-speed  
-Oil Pressure -Voltage/Current Range  
-High Water Pressure -Maintenance Date  
**Electric Parameters**  
**Display (LCD)**  
-Main and Generator Voltage -Generator freq. & current  
-Generator Power (kVA) -Generator Voltage  
**Other Displays**  
- -Fuel level  
Operating time

SPECIFICATION	
<b>DC SUPPLY</b>	<b>GENERATOR</b>
<b>CONTINUOUS VOLTAGE RATING</b> 8 V to 30 V Continuous	<b>VOLTAGE RANGE</b> 15 V - 330 V AC (5-40)
<b>DRAWING DROPOUTS</b> Able to survive 0 V for 30 min, providing supply rate of least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for reserve batteries. LEDs and backlight will not be maintained during starting.	<b>FREQUENCY RANGE</b> 55 Hz to 75 Hz
<b>MAXIMUM OPERATING CURRENT</b> 340 mA at 12 V; 150 mA at 24 V	<b>MAGNETIC PICK UP</b>
<b>MAXIMUM STANDBY CURRENT</b> 100 mA at 12 V; 50 mA at 24 V	<b>VOLTAGE RANGE</b> ±0.5 V to 75 V
<b>CHARGE FAIL/EXCITATION RANGE</b> 0 V to 30 V	<b>FREQUENCY RANGE</b> 10,000 Hz (max)
<b>MANUAL UTILITY DSE1200 ONLY</b>	<b>DIMENSIONS</b>
<b>VOLTAGE RANGE</b> 15 V - 330 V AC (5-40)	<b>OVERALL</b> 345 mm x 161 mm x 42 mm
<b>FREQUENCY RANGE</b> 55 Hz to 75 Hz	<b>PANEL CUT-OUT</b> 220 mm x 160 mm
<b>OUTPUTS</b>	<b>8.7" x 6.3"</b>
<b>OUTPUT A (FUEL)</b> 15 A DC at supply voltage	<b>MAXIMUM PANEL THICKNESS</b> 8 mm
<b>OUTPUT B (START)</b> 15 A DC at supply voltage	<b>0.8"</b>
<b>OUTPUTS C &amp; D</b> 8 A 250 V (500 Hz)	
<b>AUXILIARY OUTPUTS E,F,G,H</b> 2 A DC at supply voltage	

## STANDARD CIRCUIT BREAKERS



Kes Energy circuit breakers provide superior performance in a compact package. They are used in cascade rated systems, allowing the use of lower interruption circuit breakers downstream, which lead to lower system cost. While meeting IEC60947-2 service and interrupting ratings, these breakers provide unmatched flexibility by employing a wide variety of trip units including fixed thermal & magnetic, adjustable thermal-fixed magnetic, adjustable thermal adjustable magnetic, and electronic options.

# KES ENERGY DIESEL GENSETS BY ENGINE MANUFACTURER

All models come with standard Deep Sea 7310 Control Panel Marelli, Stamford, or Leroy Somer Alternator and Circuit Breaker



All models listed are 1500rpm/400Vac/3 Phase

50 Hz

KES ENERGY MODEL	ENGINE MODEL	POWER				WEIGHT AND DIMENSIONS				Controller
		Cyl no.	Disp. ltr	Prime	Standby	Length mm	Width mm	Height mm	Weight	Standard
	6R 1600G10F	6	10.5	275 kVA	300 kVA	4600	1600	2250	4200	DSE 7310
	6R 1600G20F	6	10.5	300 kVA	330 kVA	4600	1600	2250	4400	DSE 7310
	8V 1600G10F	8	14	370 kVA	400 kVA	4600	1600	2250	4700	DSE 7310
	8V 1600G20F	8	14	400 kVA	440 kVA	4600	1600	2250	4950	DSE 7310
	10V 1600G10F	10	17.5	455 kVA	500 kVA	4600	1600	2250	5200	DSE 7310
	10V 1600G20F	10	17.5	500 kVA	550 kVA	4600	1600	2250	5400	DSE 7310
	12V 1600G10F	12	21	590 kVA	650 kVA	5000	1700	2300	6100	DSE 7310
	12V 1600G20F	12	21	648 kVA	715 kVA	5000	1700	2300	6400	DSE 7310
	12V 2000G25	12	23.9	680 kVA	750 kVA	5898	2350	2390	7800	DSE 7310
	12V 2000G65	12	23.9	810 kVA	900 kVA	5898	2350	2390	8200	DSE 7310
	16V 2000G25	16	31.9	913 kVA	1050 kVA	5898	2350	2390	8800	DSE 7310
	16V 2000G65	16	31.9	1000 kVA	1160 kVA	5898	2350	2390	9200	DSE 7310
	18V 2000G65	18	35.8	1150 kVA	1300 kVA	12035	2350	2390	12035	DSE 7310
	12V 4000G23	12	57.3	1650 kVA	1800 kVA	12035	2350	2390	12035	DSE 7310
	12V 4000G63	12	57.3	1850 kVA	2000 kVA	12035	2350	2390	12035	DSE 7310
	16V 4000G23	16	76.3	2100 kVA	2300 kVA	12035	2350	2390	12035	DSE 7310
	16V 4000G63	16	76.3	2300 kVA	2530 kVA	12035	2350	2390	12035	DSE 7310
	20V 4000G23	20	95.4	2550 kVA	2800 kVA	12035	2350	2390	12035	DSE 7310
	20V 4000G63	20	95.4	2800 kVA	3000 kVA	12035	2350	2390	12035	DSE 7310
	20V 4000G63L	20	95.4	3050 kVA	3360 kVA	12035	2350	2390	12035	DSE 7310

Dimensions and weight subject to change without prior notice

# KES ENERGY DIESEL GENSETS



For more information, to request a technical specifications data sheet, or for tailor-made solutions, please contact KES ENERGY:

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