



# ICONOGRAPHY

## GENSET MODEL NUMBER

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

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

## ENGINE MANUFACTURER



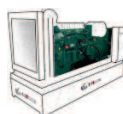
CUMMINS

PERKINS

MTU

VOLVO PENTA

## SPECIFICATIONS



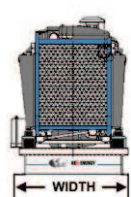
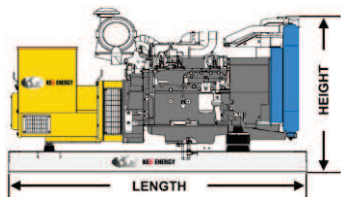
Open Set

Soundproof Set

Prime Power

Standby Power

## DIMENSIONS



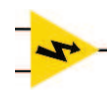
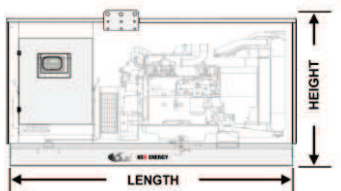
Genset Length

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 control** 3P+N  
**Generator current control** 3P  
**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, 6, 16)
<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, 16)	<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	0.5"
<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

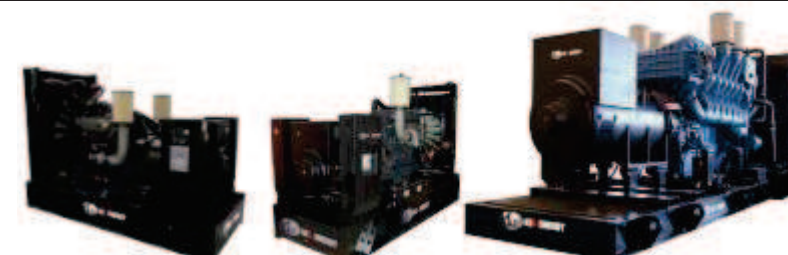


Kes Energy circuit breakers provide superior performance in a compact package. They are used in cascade rated systems, allowing the use of lower interruption circuit breakers downstream, which lead to lower system cost. While meeting IEC60947-2 service and interrupting ratings, these breakers provide 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 	ENGINE MODEL		POWER		WEIGHT AND DIMENSIONS				Controller
		Cyl no.	Disp. ltr	Prime 	Standby 	Length mm 	Width mm 	Height mm 	Weight 	Standard 
KEMTSW300-O	6R 1600G10F	6	10.5	275 kVA	300 kVA	3200	1200	2000	3000	DSE 7310
KEMTSW330-O	6R 1600G20F	6	10.5	300 kVA	330 kVA	3200	1200	2000	3200	DSE 7310
KEMTSW400-O	8V 1600G10F	8	14	370 kVA	400 kVA	3200	1200	2050	3450	DSE 7310
KEMTSW440-O	8V 1600G20F	8	14	400 kVA	440 kVA	3200	1200	2050	3650	DSE 7310
KEMTSW500-O	10V 1600G10F	10	17.5	455 kVA	500 kVA	3600	1300	2250	4000	DSE 7310
KEMTSW550-O	10V 1600G20F	10	17.5	500 kVA	550 kVA	3600	1300	2300	4200	DSE 7310
KEMTSW650-O	12V 1600G10F	12	21	590 kVA	650 kVA	3900	1500	2250	4500	DSE 7310
KEMTSW715-O	12V 1600G20F	12	21	648 kVA	715 kVA	3900	1500	2250	4700	DSE 7310
KEMTSW750-O	12V 2000G25	12	23.9	680 kVA	750 kVA	4600	1800	2200	5650	DSE 7310
KEMTSW900-O	12V 2000G65	12	23.9	810 kVA	900 kVA	4600	1800	2200	5980	DSE 7310
KEMTSW1050-O	16V 2000G25	16	31.9	913 kVA	1050 kVA	5400	1800	2300	6500	DSE 7310
KEMTSW1160-O	16V 2000G65	16	31.9	1000 kVA	1160 kVA	5400	1800	2300	6950	DSE 7310
KEMTSW1300-O	18V 2000G65	18	35.8	1150 kVA	1300 kVA	5400	1800	2300	7800	DSE 7310
KEMTSW1800-O	12V 4000G23	12	57.3	1650 kVA	1800 kVA	5600	2200	2500	11800	DSE 7310
KEMTSW2000-O	12V 4000G63	12	57.3	1850 kVA	2000 kVA	5600	2200	2500	12400	DSE 7310
KEMTSW2300-O	16V 4000G23	16	76.3	2100 kVA	2300 kVA	6500	2200	2500	14900	DSE 7310
KEMTSW2530-O	16V 4000G63	16	76.3	2300 kVA	2530 kVA	6500	2200	2500	15600	DSE 7310
KEMTSW2800-O	20V 4000G23	20	95.4	2550 kVA	2800 kVA	6500	2200	2750	16800	DSE 7310
KEMTSW3000-O	20V 4000G63	20	95.4	2800 kVA	3000 kVA	6500	2200	2750	17900	DSE 7310
KEMTSW3360-O	20V 4000G63L	20	95.4	3050 kVA	3360 kVA	6500	2200	2750	19000	DSE 7310

Dimensions and weight subject to change without prior notice



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

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