



# ICONOGRAPHY

## GENSET MODEL NUMBER

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

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

## ENGINE MANUFACTURER



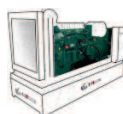
CUMMINS

PERKINS

MTU

VOLVO PENTA

## SPECIFICATIONS



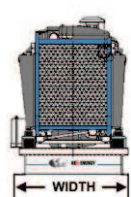
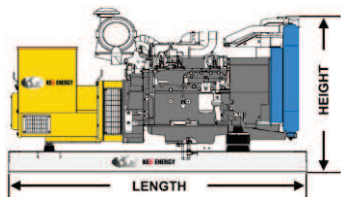
Open Set

Soundproof Set

Prime Power

Standby Power

## DIMENSIONS



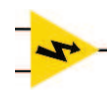
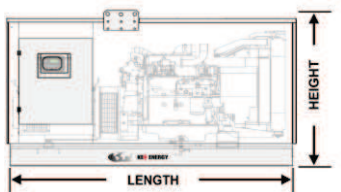
Genset Length

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 (5-40)
<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. LED's 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>VOLTAGE RANGE</b> +/- 0.5 V to 75 V
<b>MAXIMUM STANDBY CURRENT</b> 100 mA at 12 V; 50 mA at 24 V	<b>FREQUENCY RANGE</b> 10,000 Hz (max)
<b>CHARGE FAIL/EXCITATION RANGE</b> 0 V to 30 V	<b>DIMENSIONS</b>
<b>MANUAL UTILITY DSE7220 ONLY</b>	<b>OVERALL</b> 345 mm x 161 mm x 42 mm
<b>VOLTAGE RANGE</b> 15 V - 330 V AC (5-40)	<b>PANEL CUT-OUT</b> 220 mm x 160 mm
<b>FREQUENCY RANGE</b> 55 Hz to 75 Hz	<b>8.7" x 6.3"</b>
<b>OUTPUTS</b>	<b>MAXIMUM PANEL THICKNESS</b> 8 mm
<b>OUTPUT A (FUEL)</b> 15 A DC at supply voltage	<b>0.8"</b>
<b>OUTPUT B (START)</b> 15 A DC at supply voltage	
<b>OUTPUTS C &amp; D</b> 8 A 250 V (600 Hz)	
<b>AUXILIARY OUTPUTS E,F,G,H</b> 2 A DC at supply voltage	

## STANDARD CIRCUIT BREAKERS

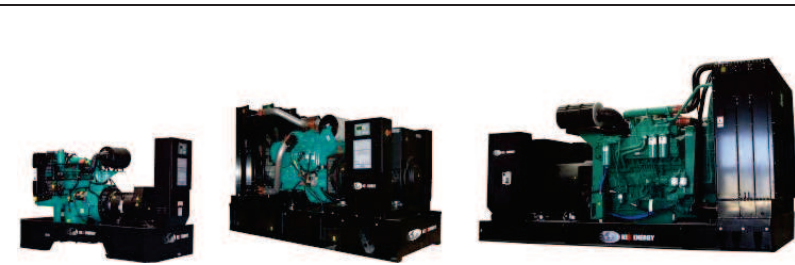


Kes Energy circuit breakers provide superior performance in a compact package. They are used in cascade rated systems, allowing the use of lower interruption circuit breakers downstream, which lead to lower system cost. While meeting IEC60947-2 service and interrupting ratings, these breakers provide 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

KES ENERGY MODEL	ENGINE MODEL					POWER	OPTIONS				CONTROLLER
	Make	Model	Power kWm	Cyl. no.	Disp. ltr.	At 50 Hz kVA Standby	Open	Enclosed	Freq.	RPM	Standard
KEPSW165	Perkins	1006TAG2	150.5	6	6	165	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW165	VOLVO PENTA	TAD 731 GE	153	6	7.15	165	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KECSW176	Cummins	6BTAA5.9G5	160	6	5.9	176	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW200	VOLVO PENTA	TAD 732 GE	179	6	7.15	200	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEPSW200	Perkins	1106C E66TAG4	180.4	6	6.6	200	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW220	VOLVO PENTA	TAD 733 GE	195	6	7.15	220	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW275	VOLVO PENTA	TAD 734 GE	250	6	7.15	275	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEPSW275	Perkins	1306C E87TAG6	224	6	8.7	275	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KECSW275	Cummins	QSL9G3	257	6	8.8	275	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW300	VOLVO PENTA	TAD 940 GE	277	6	9.36	300	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEMTSW300	mtu MTU	6R 1600G10F	246	6	10.5	300	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEMTSW330	mtu MTU	6R 1600G20F	274	6	10.5	330	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KECSW330	Cummins	QSL9G5	310	6	8.8	330	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW346	VOLVO PENTA	TAD 1341 GE	308	6	12.78	346	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW355	VOLVO PENTA	TAD 941 GE	323	6	9.36	355	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEVSW385	VOLVO PENTA	TAD 1342 GE	343	6	12.78	385	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEPSW400	Perkins	2206A E13TAG2	368	6	12.5	400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KECSW400	Cummins	NTA855G4	351	6	14	400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea
KEMTSW400	mtu MTU	8V 1600G10F	325	8	14	400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	50/60	1500/1800	Deep Sea

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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