

# DIESEL GENERATOR SET / MEW POWER GENERATOR



WATER-COOLED



3 PHASE



60HZ 440-480V



DIESEL FUEL

## STANDARD SPECIFICATIONS

1. ENGINE  
FOUR STROKE HEAVY DUTY HIGH PERFORMANCE INDUSTRIAL DIESEL ENGINE.
2. ENGINE FILTRATION SYSTEM
  - AIR FILTER
  - FUEL FILTER
  - FULL FLOW LUBO OIL FILTER
 ALL FILTERS HAS REPLACEABLE ELEMENTS
3. COOLING SYSTEM  
EFFICIENT WATER-COOLED SYSTEM WITH COMPLETE SAFETY GUARDS, DESIGNED TO COOL THE ENGINE AT HIGH AMBIENT TEMPERATURES (CONSULT US FOR DE-RATION FACTORS)
4. EXHAUST SYSTEM  
HEAVY DUTY INDUSTRIAL EXHAUST SILENCER
5. CIRCUIT BREAKER TYPE  
DELIXI MCCB 3POLE

GENERATING SET MODEL		DC-1250		ALTERNATOR DATA	
OUTPUT RATING	PRIME	STANDBY	MAKE	STAMFORD	
60HZ,3PH,440-480V, 1800RPM	1135KVA	1250KVA	MODEL	HCI634J	
	908KW	1000KW	NO.OF BEARINGS	1	
ENGINE TECHNICAL DATA			INSULATION CLASS	H	
ENGINE MAKE	CUMMINS		WIRES	12	
ENGINE MODEL	KTA38-G4		INGRESS PROTECTION	IP23	
GOVERNING TYPE	ELECTRICAL		EXCITATION SYSTEM	SHUNT	
NUMBER OF CYLINDERS	12		VOLTAGE	±1%	
CYLINDER ARRANGEMENT	IN-LINE		DIMENSION & WEIGHT		
BORE AND STROKE (mm)	159 X 159		LENGTH mm	5800	
DISPLACEMENT	37.8 L		WIDTH mm	2280	
ASPIRATION	TURBOCHARGED AND AIR AFTERCOOLED		HEIGHT mm	2300	
CYCLE	4 STROKE		WEIGHT*kg		
COMPRESSION RATIO	13.9:1		FUEL TANK CAPACITY	1200L	
COOLING SYSTEM	WATER-COOLING		CONTROL PANEL		
FREQUENCY & ENGINE SPEED	60HZ & 1800RPM		MAKE	DEEPSEA	
	PRIME	STANDBY	MODEL	DSE7320	
GROSS ENGINE POWER kW	1007kW	1112kW	PLEASE REFER TO DSE7320 BROCHURE FOR MORE DETAILS		
FUEL CONSUMPTION @ 100% L/hr	245	271	<b>AN INSPIRED DESIGN TO MEET YOUR NEEDS</b>		
FUEL CONSUMPTION @ 50% L/hr	136	-			

# DIESEL GENERATOR SET / MEW POWER GENERATOR

**RATINGS DEFINITION**  
PRIME POWER  
THESE RATING ARE APPLICABLE FOR SUPPLYING CONTINUOUS ELECTRICAL POWER (AT VARIABLE LOAD) IN LIEU OF COMMERCIALY PURCHASED POWER. 10% OVERLOAD POWER IS AVAILABLE FOR 1HOUR IN 12HOURS CONTINUOUS OPERATION.

**STANDBY POWER**  
THESE RATING ARE APPLICABLE FOR SUPPLYING CONTINUOUS ELECTRICAL POWER (AT VARIABLE LOAD) IN THE EVENT OF A UTILITY POWER FAILURE. NO OVERLOAD IS PERMITTED.

**STANDARD REFERENCE CONDITIONS**  
OUTPUT RATING ARE PRESENTED AT 27°C AIR INLET TEMPERATURE, BAROMETRIC PRESSURE 100kPa, RELATIVE HUMIDITY 30%. THIS GENERATING SET IS DESIGNED TO OPERATE AT HIGH AMBIENT TEMPERATURE (UP TO 52°C), HUMIDITY (UP TO 90%) AND HIGH ALTITUDES. DE-RATION MAY APPLY, PLEASE CONSULT US FOR SPECIFIC SITE RATINGS.

**AVAILABLE OPTIONS & ACCESSORIES**  
WE OFFER A RANGE OF OPTIONAL FEATURES AND ACCESSORIES TO TAILOR OUR GENERATING SETS TO MEET YOUR POWER NEEDS.

**OPTIONS**

- A VARIETY OF GENERATING SET CONTROL AND SYNCHRONIZING PANELS
- ADDITIONAL PROTECTION ALARMS AND SHUTDOWNS
- WATER - FUEL SEPERATOR
- WATERJACKET HEATER
- BATTERY CHARGER

**ACCESSORIES**

- GENUINE SPARE PARTS
- AUXILIARY FUEL TANKS
- MANUAL & AUTOMATIC TRANSFER SWITCHES



ASSEMBLED AND DISTRIBUTED BY

ADD:AVENIDA CIRCUNVALACION DEL SOL TORRE SANTA PAULA PLAZA III, PISO 3,  
OFICINA 306 URBANIZACION SANTA PAULA, CARACAS, ZP 1061, VENEZUELA  
ZP 1061, Caracas, Venezuela  
<http://www.mewdevenezuela.com/>

<mailto:info@mewdevenezuela.com>

**8.2 ANTI-VIBERATION MOUNTING DUMPER**  
DUMPER ARE AFFIXED BETWEEN THE ENGINE & ALTERNATOR FEET AND THE CHASSIS, THUS ENSURING COMPLETE VIBRATION ISOLATION OF ROTATING ASSEMBLY.

**8.3 COUPLING**  
THE ENGINE AND ALTERNATOR ARE DIRECTLY COUPLED BY MEANS OF AN SAE FLANGE. THE ENGINE FLYWHEEL IS FLEXIBLY COUPLED TO THE ALTERNATOR ROTOR.

**8.4 SAFETY GUARDS**  
THE FAN & FAN DRIVE ALONG WITH THE BATTERY CHARGING ALTERNATOR ARE SAFETY GUARD PROTECTED FOR PERSONAL PROTECTION.

**9. TESTS**

- THE GENERATING SET IS LOAD TEST BEFORE DISPATCH.
- ALL PROTECTIVE DEVICES CONTROL FUNCTIONS AND SITE LOAD CONDITIONS ARE SIMULATED. THE GENERATOR AND IT'S SYSTEMS ARE CHECKED BEFORE DISPATCH.

**10. EQUIPMENT FINISHING**  
ALL MILD STEEL COMPONENTS ARE FULLY DEGREASED AND PAINTED WITH POWDER COATED PAINT TO ENSURE MAXIMUM SCUFF RESISTANCE AND DURABILITY.

**11. EQUIPMENT FINISHING**  
OPERATION & MAINTENANCE MANUAL, CIRCUIT WIRING DIAGRAMS.

**12. QUALITY STANDARDS**  
THE EQUIPMENT MEETS THE FOLLOWING STANDARDS:BS4999, BS5000, BS5514, IEC60034, VDE0530 AND ISO8528

**13. WARRANTY**  
ALL OF THE GENERATING SETS ARE COVERED UNDER A WARRANTY POLICY FOR A PERIOD OF 1000 WORKING HOURS OR 1 YEAR (WHICHEVER COMES EARLIER) OF THE EQUIPMENT IS IN LINE WITH MANUFACTURERS WARRANTY TERMS AND CONDITIONS.

**6. FUEL SYSTEM**  
ON GENERATING SETS UP TO 750KVA, THE CHASSIS DESIGN IS INCORPORATED WITH INTEGRAL FUEL TANK WITH A CAPACITY OF APPROX 12HOURS TO 13HOURS RUNNING AT FULL LOAD. THE TANK IS SUPPLIED COMPLETE WITH FILL CAP, BREATHER, FUEL FEED AND RETURN LINES TO THE ENGINE AND DRAIN PLUG.

**7. ALTERNATOR**  
**7.1 INSULATION SYSTEM**

- THE INSULATION SYSTEM IS CLASS H
- ALL WINDINGS ARE IMPREGNATED IN EITHER A TRIPLE DIP THERMOSETTING LIQUID, OIL AND ACID RESISTING POLYESTER VARNISH OR VACUUM PRESSURE IMPREGNATED WITH A SPECIAL POLYESTER RESIN.
- HEAVY COAT OF AMTITRACKING VARNISH ADDITIONAL PROTECTION AGAINST MOISTURE OR CONDENSATION

**7.2 AUTOMATIC VOLTAGE REGULATOR (AVR)**

- THE FULLY SEALED AUTOMATIC VOLTAGE REGULATOR MAINTAINS THE VOLTAGE REGULATION AT ±1%.

**7.3 MOTOR STARING (OPTIONAL)**

- AN OVERLOAD CAPACITY EQUIVALENT TO 300% OF THE FULL LOAD IMPEDANCE AT ZERO POWER FACTOR CAN BE SUSTAINED FOR 10 SECONDS, WHEN AREP (AUXILIARY WINDING)OPTION IS FITTED.

**8. MOUNTING ARRANGMENT**  
**8.1 CHASSIS**  
THE COMPLETE GENERATING SET IS MOUNTED AS A WHOLE ON A HEAVY DUTY FABRICATED STEEL CHASSIS.

IN LINE WITH CONTINUOUS PRODUCT DEVELOPMENT, WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.