

DIESEL GENERATOR SET / MEW POWER GENERATOR



WATER-COOLED



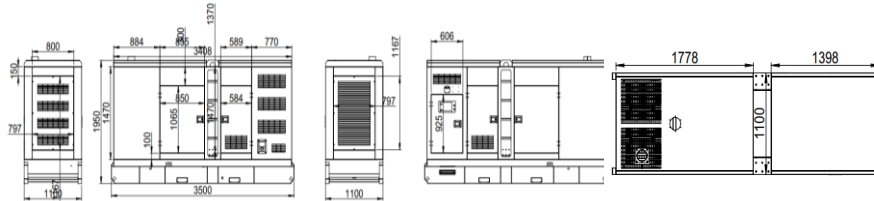
THREE PHASE



60HZ



DIESEL FUEL



GENERATING SET MODEL	DC-388
OUTPUT RATING	PRIME STANDBY
240V, 3PH, 60HZ, 1800RPM	300KVA 330KVA 240KW 264KW

ALTERNATOR DATA	
MAKE	STAMFORD
MODEL	HCI444D
NO. OF BEARINGS	1
INSULATION CLASS	H
WIRES	12
INGRESS PROTECTION	IP23
EXCITATION SYSTEM	SHUNT
VOLTAGE	±1%

ENGINE TECHNICAL DATA	
ENGINE MAKE	CUMMINS
ENGINE MODEL	NTA855-G1B
GOVERNING TYPE	ELECTRICAL
NUMBER OF CYLINDERS	6
CYLINDER ARRANGEMENT	IN-LINE
BORE AND STROKE (mm)	140 X 152
DISPLACEMENT	14 L
ASPIRATION	TURBOCHARGED & AIRCOOLED
CYCLE	4 STROKE
COMPRESSION RATIO	14.0:1
COOLING SYSTEM	WATER-COOLING
FREQUENCY & ENGINE SPEED	60HZ & 1800RPM
GROSS ENGINE POWER kWm	PRIME 313kWm STANDBY 347kWm
FUEL CONSUMPTION @ 100% L/hr	80.5
FUEL CONSUMPTION @ 50% L/hr	44

DIMENSION & WEIGHT	
LENGTH mm	4050
WIDTH mm	1250
HEIGHT mm	2150
WEIGHT*kg	3750
FUEL TANK CAPACITY	550L

CONTROL PANEL	
MAKE	DEEP SEA
MODEL	DSE6020

PLEASE REFER TO DSE6020 BROCHURE FOR MORE DETAILS
AN INSPIRED DESIGN TO MEET YOUR NEEDS

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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 1 HOUR IN 12 HOURS 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 SEPARATOR
 - 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
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8.2 ANTI-VIBRATION 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 12 MONTHS OR 1 YEAR (WHICHEVER COMES EARLIER) OF THE EQUIPMENT IS IN LINE WITH MANUFACTURERS WARRANTY TERMS AND CONDITIONS.

STANDARD SPECIFICATIONS

6. FUEL SYSTEM
ON GENERATING SETS UP TO 750KVA STANDBY, THE CHASSIS DESIGN IS INCORPORATED WITH INTEGRAL FUEL TANK WITH A CAPACITY OF APPROX 5 HOURS TO 8 HOURS 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 ANTITRACKING 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.