

# DIESEL GENERATOR SET / MEW POWER GENERATOR



WATER-COOLED



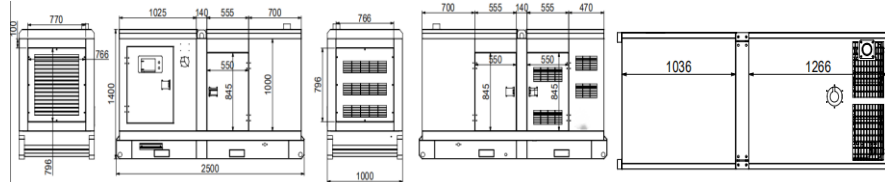
SINGLE PHASE



60HZ



DIESEL FUEL



GENERATING SET MODEL	DC-44S	
OUTPUT RATING	PRIME	STANDBY
240V, SINGLE PH, 60HZ, 1800RPM	40KVA	44KVA
	40KW	44KW

ALTERNATOR DATA	
MAKE	STAMFORD
MODEL	PI 144J
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	4BT3.9-G2	
GOVERNING TYPE	ELECTRICAL	
NUMBER OF CYLINDERS	4	
CYLINDER ARRANGEMENT	IN-LINE	
BORE AND STROKE (mm)	102 X 120	
DISPLACEMENT	3.9	L
ASPIRATION	TURBOCHARGED	
CYCLE	4 STROKE	
COMPRESSION RATIO	18.0:1	
COOLING SYSTEM	WATER-COOLING	
FREQUENCY & ENGINE SPEED	60HZ & 1800RPM	
GROSS ENGINE POWER kWm	PRIME 40kWm	STANDBY 44kWm
FUEL CONSUMPTION @ 100% L/hr	9.3	10.3
FUEL CONSUMPTION @ 50% L/hr	5.3	-

DIMENSION & WEIGHT	
LENGTH mm	2280
WIDTH mm	950
HEIGHT mm	1250
WEIGHT*kg	978
FUEL TANK CAPACITY	100L

CONTROL PANEL	
MAKE	DEEP SEA
MODEL	DSE6020

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

# 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 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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## 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

## 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.