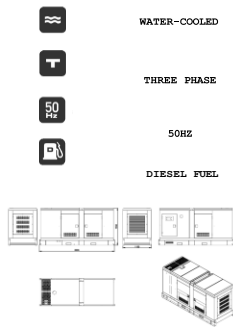


DEPCO POWER GENERATOR



STANDARD SPECIFICATIONS

- ENGINE
FOUR STROKE HEAVY DUTY HIGH PERFORMANCE INDUSTRIAL DIESEL ENGINE.
- ENGINE FILTRATION SYSTEM
• AIR FILTER
• FUEL FILTER
• FULL FLOW LUBO OIL FILTER
ALL FILTERS HAS REPLACEABLE ELEMENTS
- 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)
- EXHAUST SYSTEM
HEAVY DUTY INDUSTRIAL EXHAUST SILENCER
- CIRCUIT BREAKER TYPE
DELIXI MCCB 3POLE

GENERATING SET MODEL	DK-55-W		ALTERNATOR DATA	
OUTPUT RATING	PRIME	STANDBY	MAKE	DEPCO
380/220V, 3PH, 50HZ, 1500RPM	50KVA/40KW	55KVA/44KW	MODEL	DPC224D
MCCB	80A		NO. OF BEARINGS	1
ENGINE TECHNICAL DATA			INSULATION CLASS	H
ENGINE MAKE	DEPCO POWER		WIRES	12
ENGINE MODEL	DFR41052D		INGRESS PROTECTION	IP23
GOVERNING TYPE	MECHANICAL		EXCITATION SYSTEM	SHUNT
NUMBER OF CYLINDERS	4		VOLTAGE	380/220V, 11%
CYLINDER ARRANGEMENT	IN-LINE		CONTINUOUS POWER	50KVA
BORE AND STROKE (mm)	105 X 125		DIMENSION & WEIGHT	
DISPLACEMENT	4.33	L	LENGTH mm	2260
ASPIRATION	TURBOCHARGED		WIDTH mm	950
CYCLE	4 STROKE		HEIGHT mm	1250
COMPRESSION RATIO	16:1		WEIGHT**kg	1120
COOLING SYSTEM	WATER-COOLING		FUEL TANK CAPACITY	128
FREQUENCY & ENGINE SPEED	50HZ & 1500RPM		CONTROL PANEL	
	PRIME	STANDBY	MAKE	DATAKOM
GROSS ENGINE POWER kW	56kw	-	MODEL	D300
FUEL CONSUMPTION @ 100% L/hr	11.4	-		
FUEL CONSUMPTION @ 50% L/hr	-	-		

DEPCO POWER GENERATOR

RATINGS DEFINITION

PRIME POWER

THESE RATING ARE APPLICABLE FOR SUPPLYING CONTINUOUS ELECTRICAL POWER (AT VARIABLE LOAD) IN LIEU OF COMMERCIALLY 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

STANDARD SPECIFICATIONS

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.	6. FUEL SYSTEM ON GENERATING SETS UP TO 750KVA STANDBY, THE CHASSIS DESIGN IS INCORPORATED WITH INTEGRAL FUEL TANK WITH A CAPACITY OF APPROX 5HOURS TO 8HOURS RUNNING AT FULL LOAD. THE TANK IS SUPPLIED COMPLETE WITH FILL CAP, BREATHER, FUEL FEED AND RETURN LINES TO THE ENGINE AND DRAIN PLUG.
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.	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 PRESSED IMPREGNATED WITH A SPECIAL POLYESTER RESIN. • HEAVY COAT OF ANTI TRACKING VARNISH ADDITIONAL PROTECTION AGAINST MOISTURE OR CONDENSATION
8.4 SAFETY GUARDS THE FAN & FAN DRIVE ALONG WITH THE BATTERY CHARGING ALTERNATOR ARE SAFETY GUARD PROTECTED FOR PERSONAL PROTECTION.	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.
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.	8. MOUNTING ARRANGMENT 8.1 CHASSIS THE COMPLETE GENERATING SET IS MOUNTED AS A WHOLE ON A HEAVY DUTY FABRICATED STEEL CHASSIS.
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 IS08528	
13. WARRANTY ALL OF THE GENERATING SETS ARE COVERED UNDER A WARRANTY POLICE FOR A PERIOD OF 12MONTHS OR 1 YEAR (WHICHEVER COMES EARLIER) OF THE EQUIPMENT IS IN LINE WITH MANUFACTURERS WARRANTY TERMS AND CONDITIONS.	