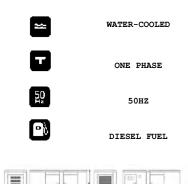
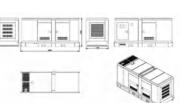
DIESEL GENERATOR SET - MAKAWA POWER







	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
	S. COULING DIDILM
-	EFFICIENT WATER-COOLED SYSTEM WITH COMPLETE SAFETY
	GUARDS, DESIGNED TO COOL THE ENGINE AT HIGH AMBIENT
_	TEMPERATURES (CONSULT US FOR DE-RATION FACTORS)
1.2	
>	4. EXHAUST SYSTEM
	HEAVY DUTY INDUSTRIAL EXHAUST SILENCER
2	
	5. CIRCUIT BREAKER TYPE
	DELIXI MCCB 3POLE

GENERATING SET MODEL		MKW8YD
OUTPUT RATING	PRIME	STANDBY
220V,1PH, 50HZ,1500RPM	8KVA	8.8KVA
	8KW	8.8KW

	ENGINE TECHNICAL DATA	
ENGINE MAKE	YANGDONG	
ENGINE MODEL	YD385D	
GOVERNING TYPE	MECHANICAL	
NUMBER OF CYLINDERS	3	
CYLINDER ARRANGEMENT	IN-LINE	
BORE AND STROKE (mm)	85 X 90	
DISPLACEMENT	1.532	L
ASPIRATION	NATURAL-ASPIRATED	
CYCLE	4 STROKE	
COMPRESSION RATIO	18:1	

ALTERNATOR DATA		
BRAND	YIHUA	
MODEL	YG8.8	
NO.OF BEARINGS	1	
INSULATION CLASS	Н	
WIRES	12	
INGRESS PROTECTION	IP23	
EXCITATION SYSTEM	SHUNT	
VOLTAGE	±1%	

CANOPY BRAND: MAKAWA	
LENGTH mm	1500
WIDTH mm	740
HEIGHT mm	930
WEIGHT*kg	487
FUEL TANK CAPACITY	52L

COOLING SYSTEM WATER-COOLING		Sound level @7m	69dB	
FREQUENCY & ENGINE SPEED	50HZ	50HZ & 1500RPM		
	PRIME	STANDBY	MAKE	DATAKOM OR DEEPSEA
GROSS ENGINE POWER kW	11kW	-	MODEL	D300 OR DSE6020
FUEL CONSUMPTION @ 100% L/hr	3	-		PLEASE REFER TO D300 OR DSE6020 BROCHURE FOR MORE DETAILS
FUEL CONSUMPTION @ 50% L/hr	-	-		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 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 TEMPERATUR 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

		STANDARD SPECIFICATIONS
	8.2 ANTI-VIBERATION MOUNTING DUMPER	6. FUEL SYSTEM
IPPLYING CONTINUOUS	DUMPER ARE AFFIXED BETWEEN THE ENGINE & ALTERNATOR	
) IN LIEU OF COMMERCIALLY	FEET AND THE CHASSIS, THUS ENSURING COMPLETE	
R IS AVAILABLE FOR 1HOUR	VIBRATION ISOLATION OF ROTATING ASSEMBLY.	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
	8.3 COUPLING	FULL LOAD. THE TANK IS SUPPLIED COMPLETE WITH FILL
	THE ENGINE AND ALTERNATOR ARE DIRECTLY COUPLED BY	CAP, BREATHER, FUEL FEED AND RETURN LINES TO THE
	MEANS OF AN SAE FLANGE. THE ENGINE FLYWHEEL IS	ENGINE AND DRAIN PLUG.
PPLYING CONTINUOUS	FLEXIBLY COUPLED TO THE ALTERNATOR ROTOR.	
)) IN THE EVENT OF A) IS PERMITTED.		
	8.4 SAFETY GUARDS	7. ALTERNATOR
	THE FAN & FAN DRIVE ALONG WITH THE BATTERY CHARGING	
	ALTERNATOR ARE SAFETY GUARD PROTECTED FOR PERSONAL	
,	PROTECTION.	
ATE AT HIGH AMBIENT		
	9. TESTS	• ALL WINDINGS ARE IMPREGNATED IN EITHER A TRIPLE
EASE CONSULT US FOR		DIP THERMOSETTING LIQUID, OIL AND ACID RESISTING
	• THE GENERATING SET IS LOAD TEST BEFORE DISPATCH.	WITH A SPECIAL POLYESTER RESIN.
	ALL PROTECTIVE DEVICES CONTROL FUNCTIONS AND	WITH A SPECIAL FORTESTER RESTR.
	SITE LOAD CONDITIONS ARE SIMULATED. THE GENERATOR	
	AND IT'S SYSTEMS ARE CHECKED BEFORE DISPATCH.	HEAVY COAT OF ANTITRACKING VARNISH ADDITIONAL
YOUR POWER NEEDS.		PROTECTION AGAINST MOISTURE OR CONDENSATION
	10. EQUIPMENT FINISHING	
	ALL MILD STEEL COMPONENTS ARE FULLY DEGREASED AND	
	PAINTED WITH POWDER COATED PAINT TO ENSURE MAXIMUM SCUFF RESISTANCE AND DURABILITY.	7.2 AUTOMATIC VOLTAGE REGULATOR (AVR)
	SCOFF RESISTANCE AND DORADIDITI.	• THE FULLY SEALED AUTOMATIC VOLTAGE REGULATOR
SHUTDOWNS	11. EQUIPMENT FINISHING	MAINTAINS THE VOLTAGE REGULATION AT ±1%.
	OPERATION & MAINTENANCE MANUAL, CIRCUIT WIRING	
		7.3 MOTOR STARING (OPTIONAL)
		• AN OVERLOAD CAPACITY EQUIVALENT TO 300% OF THE
		FULL LOAD IMPEDANCE AT ZERO POWER FACTOR CAN BE
	12. QUALITY STANDARDS	SUSTAINED FOR 10 SECONDS, WHEN AREP (AUXILIARY
		WINDING)OPTION IS FITTED.

• GENUINE SPARE PARTS • AUXILIARY FUEL TANKS	THE EUQIPMENT MEETS THE FOLLOWING STANDARDS:BS4999, BS5000, BS5514, IEC60034, VDE0530 AND IS08528	
• MANUAL & AUTOMATIC TRANSFER SWITCHS		
• Ground conection: YES EMISSION STANDARDS	13. WARRANTY	8. MOUNTING ARRANGMENT
<pre>Meet the national technical regulations on industrial emissions for dust and inorganic substances (QCVN19:2009/BTNMT). + The exhaust system is designed to ensure ventilation for the surrounding environment. COOLING SYSTEM Cooling method (compliance with TCVN 6627-6:2011) WATER-COOLING</pre>	ALL OF THE GENERATING SETS ARE COVERED UNDER A WARRANTY POLICY FOR A PERIOD OF 12MONTHS OR 1 YEAR (WHICHEVER COMES EARLIER) OF THE EQUIPMENT IS IN LINE WITH MANUFACTURERS WARRANTY TERMS AND CONDITIONS.	
ABILITY START Able to boot from 0% load to 100% load within 30s OVERLOAD CAPACITY: Capable of 1 hour operation at 110% overload for any 12 hour operating period DISTRIBUTOR IN VIETNAM: MAKAWA CO., LTD MAKAWA.VN / +84,985898950 / MAKAWA68@GMAIL.COM / INFO@MAKAWA	• VN	IN LINE WITH CONTINUOUS PRODUCT DEVELOPMENT, WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.