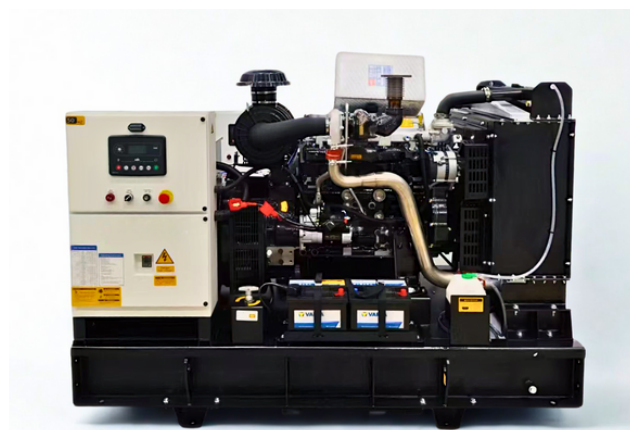


BASIC PARAMETERS OF DIESEL GENERATOR SETS

Genset model	JY110D5-O
Power (standby)	110 KVA / 88 KW
Power (prime)	100 KVA / 80 KW
Diesel engine brand	Yuchai
Diesel engine model	YCA4.8TAA140-G20
Frequency / Speed	50 Hz / 1500 RPM
Voltage	400 V
Wiring method	3-phase, 4-wire
Power factor	0.8
Type	OPEN



Diesel engine	Yuchai, including the body comes with: three filters (air filter, diesel filter, machine filter), starter motor, charging generator, etc.
	-
Alternators	GOLDENLEO, GL274C
Control model	DEEPSEA, DSE6120
Standard cooling system	122°F (50°C) ambient radiator
Unit common base	I: (520kW and below) base tank and shock absorber, starter battery holder II: (520kW and above) Channel steel base and shock absorber, starter battery holder
Circuit breaker model	ABB 3P
ATS switchgear	-
Starting battery	Maintenance-free batteries and battery float charger
Fuel tank	Fuel tank 8 hour
Accessories for installation with machine	Corrugated vibration isolators, smoke bends, industrial silencers, and standard parts for connections. Standard tools kit
Accompanying documentation	Electrical drawings, unit operation and maintenance manuals, test report of generator, certificates of conformity, etc.

INFORMATION TO BE CLARIFIED

- **Standard reference conditions:** All data are based on ISO 3046 standard reference conditions - Altitude 100m (328ft), Atmospheric Pressure 100kPa (29.53inHg), Ambient Temperature 50-55°C, Relative Humidity 30%.
- **Major standards:** GOLDENLEO generator sets comply with all major standards, such as ISO8528, ISO 14000, ISO3046, GB755, BS5000, VDE0530, IEC34-1.

ENGINE TECHNICAL PARAMETERS

ENGINE TECHNICAL PARAMETERS			
Engine manufacturer	Yuchai	Prime Power	100 KW
Model	YCA4.8TAA140-G20	Standby Power	110 KW
Compression ratio	17.5:1	Speed	1500 RPM
Structural form	Four stroke	Aspiration	Turbocharged
Number of cylinders	4 / L	Governor	Electronic
Displacement	4.75 L	Cooling method	Closed water cooling
Bore × Stroke	110 × 125 mm	Dry weight (engine only)	450 KG

LUBRICATION SYSTEM	
Total capacity of lubrication system	13.5 L
Maximum allowable oil temperature	120 °C

COOLING SYSTEM	
Engine coolant capacity	8 L
Coolant flow rate	140 L/min

FUEL CONSUMPTION		
Output power	L/h	g/KWh
Standby (110%)	-	-
Prime (100%)	24.6	205

AIR INTAKE SYSTEM	
Air intake restriction (clean filter)	3.5 kPa
Air intake restriction (dirty filter)	5 kPa
Intake flow rate (Prime)	6.26 m³/min

AIR EXHAUST SYSTEM	
Maximum exhaust back pressure	10 kPa
Exhaust flow rate (Prime)	13.5 m³/min

START SYSTEM	
Start rated power	5.5 KW
Start rated voltage	DC 24V

ALTERNATOR BASIC PARAMETERS

Alternator model	GL274C	Rated power of alternator	100 KVA / 80 KW
Pole	4	Bear	single bearing
Winding pitch	2/3	Protection class	IP23
Insulation / tempe class	H/H	Excitation method	brushless self-exciting
Telephone Impact Factor	TIF: < 50	Voltage Adjustment Ratio	±1%
Telephone Harmonic Factor	THF: < 2%	Regulation	AVR

BASIC PARAMETERS OF THE CONTROL SYSTEM

CONTROL SYSTEM	
Control system brand	DEEPSEA
Control system model	DSE6120

INPUT, OUTPUT & COMMUNICATION PORTS

- 6 Digital inputs
- 3 Analog Inputs
- 6 Custom DC Outputs
- USB Terminal

MAIN FEATURES

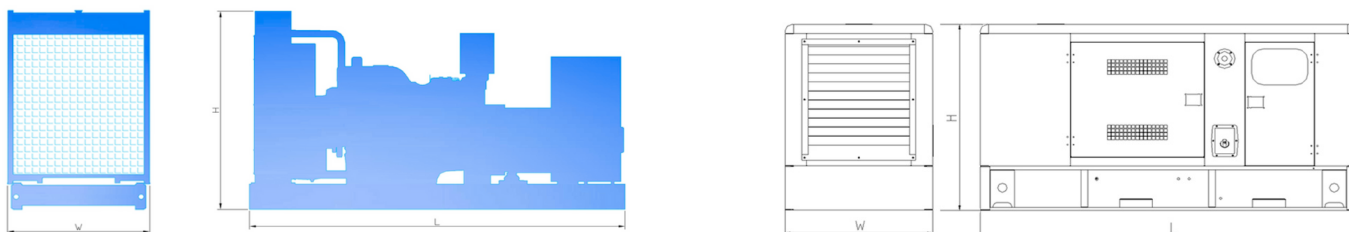
- Back-lit text LCD display
- Front panel editing
- LED and LCD alarm indication
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- PC and front panel configuration
- 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)
- Configurable timers and alarms
- Alternative configuration
- Event Log (10)
- Remote Start input
- 3 Phase generator monitoring
- Current Monitoring and protection
- 3 Phase Mains (Utility) monitoring (DSE6120 only)
- Test button (DSE6120 only)
- Battery voltage monitoring
- Engine pre-heat
- Hours counter
- Comprehensive shutdown or warning on fault condition
- Automatically transfers between mains (utility) and generator power (DSE6120 only)
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout
- Multiple engine parameters are monitored simultaneously
- Module can be configured to suit individual applications
- Compatible with a wide range of CAN engines
- Tier 4 engine support
- Uses DSE Configuration Suite PC software for simplified configuration
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Licence-free PC software

KEY BENEFITS

DSE6120



EXTERIOR DRAWING (FOR REFERENCE ONLY)



OVERALL DIMENSIONS	L	W	H	Weight
Open type	2000 (mm)	900 (mm)	1380 (mm)	1195 KG
Silent type	-	-	-	-

Specifications are subject to change without notice.

Visit the official website for more information: www.gd-leopard.com