

YANGDONG POWERED GENERATOR SETS LG11YD 50Hz

Prime Power 10kw/10kva

Standby Power 11kw/11kva

Voltage available 220v


Quality Standards

Our diesel generating sets meets the following standards:
GB/T2820, GB1105, YD/T502, ISO3046, ISO8525, ISO8525-3-5-6.

Factory Test

Each our generating sets must be got through 1 hour load test for running 0%, 25%, 50%,75%, 100% and 110% load before dispatch, All protective devices, control functions are simulated and it's system checked, proved and then passed for dispatch. A test certificate can be provided upon request.

MAIN SPECIFICATIONS OF GENERATOR SETS

DIESEL GENERATOR SETS		
GENSET MODEL NOS.	LG11YD	
Rated speed / frequency	1500 rpm /50 Hz	
Prime output (KW/KVA)	10/10	
Standby output (KW/KVA)	11/11	
Voltage, Phase and wire	220v, 1 Phase and 2 Wires	
Rated power factor	1.0P.F.	
Maximum output current(A)	54	
Genset type	Open type	Silent type
Dimension(L*W*H) (mm)	1650*760*1250	1900*900*1205
Weight(kg)	491	700
<p>Rating Definitions (Operation at Altitude $\leq 1500\text{m}$, Ambient temperature $\leq 40^{\circ}\text{C}$). If altitude higher than 1500m, each 100m will cause additional de-rating 1%.</p> <p>Prime Power These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.</p> <p>Standby Power These ratings are applicable for supplying continuous electrical power(at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3) at 27°C</p>		
DIESEL ENGINE		
ENGINE BRAND		
Engine model	YD480D	
Engine Characters	Water-cooled,4 vertical in line,four stoke, direct injection	

The Rated Power (kW)	14
Aspiration	Natural
Bore(mm)×Stroke (mm)	80X90
Compression ratio	18:1
Fuel consumption(g/kw.h)	≅ 240(100% load)
Displacement(Liters)	1.809
Firing order	1-3-4-2
Cooling method	Forced water cooling
Starting method	Electric
Net mas	195
Overall dimensions(L*W*H)(mm)	687*494*610
Voltage for start(V)	12
Instrument for adjusting speed	Mechanically

ALTERNATOR

ALTERNATOR BRAND	Mecc Alte
Alternator model	ECP28 3S4C
Excitation	Brushless, Self-excited
Insulation class	H
Protection class	IP23
Connection type	Re-connectable
Voltage Regulation	≤1.0%
Waveform Distortion	No load<1.5% and non-distorting balanced linear load<5%
THF/TIF	<2%/50

GENERATING SET CONTROL SYSTEM

AC/DC control panel consisting of:

- Ä Emergency Stop button
- Ä Controller with selection for auto-start, AMF monitoring and with following (and not restricted to) features:
 - J Start/Stop button
 - J Hour run meter
 - J Monitor engine temperature and provides shutdown protection
 - J Monitor engine speed and provides shutdown protection
 - J Monitor oil pressure and provides shutdown protection
 - J Alarm output for abnormal operation

STANDARD FEATURE & OPTIONAL

Item	Standard	Optional
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Air Inlet system	<ul style="list-style-type: none"> 2 Heavy duty Air Cleaner 2 Service indicator 	<ul style="list-style-type: none"> 2 Air pre-heater
Cooling system	<ul style="list-style-type: none"> 2 Radiator with guard sized for 40°C 2 Coolant drain line with valve 2 Fan and belt guards 	<ul style="list-style-type: none"> 2 Radiator duct flange 2 Low Coolant Level shut down sensor 2 Remote Radiator cooling
Exhaust system	<ul style="list-style-type: none"> 2 Industrial exhaust muffler for open type 2 Residential exhaust muffler for silent type 	<ul style="list-style-type: none"> 2 Residential 35dBA muffler 2 Manifold and turbocharger guards
Control system	<ul style="list-style-type: none"> 2 DSE4520 control system 	<ul style="list-style-type: none"> 2 Remote control panel, 2 Manual transfer panel, 2 Automatic transfer Panel, 2 Fully Automatic Synchronizing and load Sharing Panel, 2 Manual Synchronizing Panel.
Alternator & Breaker	<ul style="list-style-type: none"> 2 Class H insulation 2 Automatic Voltage Regulator 2 IP23 Protection 2 Delixi brand circuit breaker 	<ul style="list-style-type: none"> 2 Oversize and premium generators 2 Three phase sensing 2 Space heaters 2 ABB brand circuit breaker
Lube system	<ul style="list-style-type: none"> 2 Lubricating oil filter 2 Oil drain with valves 2 Lube oil pressure indicator 	<ul style="list-style-type: none"> 2 Manual sump pump 2 Lubricant oil pre-heater
Fuel system	<ul style="list-style-type: none"> 2 Fuel filter with integral water separator 2 8 hours base fuel tank 2 Fuel level shut down sensor 	<ul style="list-style-type: none"> 2 Dual Wall Integral Fuel Tanks 2 Dual Wall Sub-base Fuel Tanks 2 Automatic Fuel Fill Options
Starting / Charging system	<ul style="list-style-type: none"> 2 Battery charging alternator 2 12 volt starting motor(s) 2 Maintain free battery with rack and cables 2 Battery charger 	<ul style="list-style-type: none"> 2 Jacket water heater

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In line with our policy of continuous product development, we reserve our right to change the above specifications without notice.