

CUMMINS POWERED GENERATOR SETS LG66C 50Hz

Prime Power 48kw / 60kva

Standby Power 53kw / 66kva

Voltage available 380/220v, 400/230v,415/240v


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.	LG66C	
Rated speed / frequency	1500 rpm / 50 Hz	
Prime output (KW/KVA)	48/60	
Standby output (KW/KVA)	53/66	
Voltage, Phase and wire	380/220v, 3 Phase and 4 Wires	
Rated power factor	0.8 (lagging)	
Maximum output current(A)	100	
Genset type	Open type	Silent type
Dimension(L*W*H) (mm)	1850*950*1500	2670*1080*1905 2450*1090*1800
Weight(kg)	1220	1450
<p>Rating Definitions (Operation at Altitude ≤1500m, Ambient temperature ≤ 40℃). 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℃</p>		
DIESEL ENGINE		
ENGINE BRAND		
Engine model	4BTA3.9-G2	

Engine Characters	Water-cooled, 4 cylinders in line, 4-cycle, direct injection	
The maximum output (kW)	64	
Aspiration	Turbocharged	
Bore(mm)×Stroke (mm)	102X120	
Compression ration	17.3:1	
Fuel consumption(L/H)	15(100% load)	
Displacement(Liters)	3.9	
Intake air flow(L/sec)	59	
Exhaust gas flow(L/sec)	165	
Exhaust highest temperature	560℃	
Lube-oil capacity(L)	10.9	
Cooling water capacity(L)	8.3Liters (Engine Only)	
Voltage for start(V)	24	
Instrument for adjusting speed	Electronically	
ALTERNATOR		
ALTERNATOR BRAND		LEEGA
Alternator model	UCI224E	LA348
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		
<p>AC/DC control panel consisting of:</p> <ul style="list-style-type: none"> ↪ Emergency Stop button ↪ Controller with selection for auto-start, AMF monitoring and with following (and not restricted to) features: <ul style="list-style-type: none"> ☺ Start/Stop button ☺ Hour run meter ☺ Monitor engine temperature and provides shutdown protection ☺ Monitor engine speed and provides shutdown protection ☺ Monitor oil pressure and provides shutdown protection ☺ Alarm output for abnormal operation 		

STANDARD FEATURE & OPTIONAL

Item	Standard	Optional
Air Inlet system	<ul style="list-style-type: none"> ✧ Air Cleaner ✧ Service indicator 	<ul style="list-style-type: none"> ✧ Air pre-heater
Cooling system	<ul style="list-style-type: none"> ✧ Radiator with guard sized for 50°C ✧ Coolant drain line with valve ✧ Fan and belt guards 	<ul style="list-style-type: none"> ✧ Radiator duct flange ✧ Remote Radiator cooling ✧ Low Coolant Level shut down sensor
Exhaust system	<ul style="list-style-type: none"> ✧ Industrial exhaust muffler ✧ Manifold and turbocharger guards 	<ul style="list-style-type: none"> ✧ Residential 35dBA muffler
Control system	<ul style="list-style-type: none"> ✧ Comap AMF9 or AMF20 control panel with AMF function 	<ul style="list-style-type: none"> ✧ Manual transfer panel, ✧ Automatic transfer Panel, ✧ Fully Automatic Synchronizing and load Sharing Panel, ✧ Manual Synchronizing Panel.
Alternator & Breaker	<ul style="list-style-type: none"> ✧ Class H insulation ✧ Automatic Voltage Regulator ✧ IP23 Protection ✧ ABB brand circuit breaker 	<ul style="list-style-type: none"> ✧ Oversize and premium generators ✧ Three phase sensing ✧ Space heater ✧ PMG
Lube system	<ul style="list-style-type: none"> ✧ Lubricating oil filter ✧ Oil drain with valves ✧ Lube oil pressure indicator 	<ul style="list-style-type: none"> ✧ Manual sump pump ✧ Lubricant oil pre-heater
Fuel system	<ul style="list-style-type: none"> ✧ Fuel filter ✧ 8 hours base fame fuel tank ✧ Fuel level shut down sensor 	<ul style="list-style-type: none"> ✧ Dual Wall Integral Fuel Tanks ✧ Dual Wall Sub-base Fuel Tanks ✧ Automatic Fuel Fill Options
Starting / Charging system	<ul style="list-style-type: none"> ✧ Battery charging alternator ✧ 24 volt starting motor(s) ✧ Maintain free battery with rack and cables ✧ Battery charger 	<ul style="list-style-type: none"> ✧ Jacket water heater

Distributor Local-Local Dealer

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