

CUMMINS G-DRIVE POWERED GENERATOR SETS C550 50Hz

Prime Power 400kw / 500kva
Standby Power 440kw / 550kva
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.	C550	
Rated speed / frequency	1500 rpm / 50 Hz	
Prime output (KW/KVA)	400/500	
Standby output (KW/KVA)	440/550	
Voltage, Phase and wire	380/220v, 3 Phase and 4 Wires	
Rated power factor	0.8 (lagging)	
Maximum output current(A)	835	
Genset type	Open type	Silent type
Dimension(L*W*H) (mm)	3400*1305*1974	4650*1600*2260
Weight(kg)	3850	5900
<p>Rating Definitions (Operation at Altitude $\leq 1500m$, Ambient temperature $\leq 40^{\circ}C$). 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	QSX15-G8	
Engine Characters	Water-cooled, 6 cylinders in V, 4-cycle, direct injection	

The maximum output (kW)	500
Aspiration	Turbocharged & Charge air cooled
Bore(mm)×Stroke (mm)	137X169
Displacement(Liters)	15
Compression ration	17:1
Fuel consumption(L/H)	103(100% load)
Intake air flow(L/s)	605
Exhaust gas flow(L/s)	1370
Exhaust highest temperature	515℃
Lube-oil capacity(L)	91
Cooling water capacity(L)	24 (Engine only)
Voltage for start(V)	24
Instrument for adjusting speed	ECM
ALTERNATOR	
ALTERNATOR BRAND	
Alternator model	HCI544D
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"> ⌘ 40°C radiator with guard sized for open type, 50°C radiator for silent type ⌘ 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 for open type ⌘ Residential exhaust muffler for silent type 	<ul style="list-style-type: none"> ⌘ Residential 35dBA muffler ⌘ Manifold and turbocharger guards
Control system	<ul style="list-style-type: none"> ⌘ Comap IG-NT control system with synchronizing function 	<ul style="list-style-type: none"> ⌘ Manual & Automatic transfer Panel, ⌘ Fully Automatic Synchronizing and load Sharing Panel, ⌘ Grid Synchronizing Panel.
Alternator & Breaker	<ul style="list-style-type: none"> ⌘ Class H insulation ⌘ Automatic Voltage Regulator ⌘ IP23 Protection ⌘ ABB circuit breaker 	<ul style="list-style-type: none"> ⌘ Oversize and premium generators ⌘ Three phase sensing ⌘ Space heaters ⌘ 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 ⌘ With base 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



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