

# GENERATOR



A Product of Hard Work





**Powerful, transportable, versatile, reliable, durable**  
**On every level, JCB generators have it covered**

## DELIVERING THE POWER YOU NEED



JCB offer a comprehensive range of 114 model numbers from 8 to 2700kVA, split into 5 types: 40 in the standard range, 58 in the solutions range, 9 in the rental range, 6 in the telecomms range and a lighting tower completes the range. Available as 50Hz or 60Hz, they set new standards of performance and reliability.

As you would expect from JCB, the build quality is superb with each generator boasting the highest quality components, alternators and engines. A digital control panel as standard (excluding 8-13kVA), lets you programme the system to meet your own requirements, whilst remote monitoring is available through numerous methods. And of course it's all backed up by the best product support in the business.

## **Compact, transportable power, wherever and whenever you need it**

The whole point of a small unit is transportability; a ready power source wherever and whenever you need it. So JCB make it even easier to get mobile with a range of trailers for towing behind standard automotive vehicles. Versatility is increased making this size unit a great choice for agriculture, construction, telecomms, military and residential applications.

JCB 8-45kVA generators are built around industry-recognised internal componentry, giving superior performance and maximum reliability. At their heart is a 3- or 4-cylinder Yanmar water-cooled engine, mounted on anti vibration shock absorbers. It gives great performance in a compact package.

Open or canopied, single or 3 phase, 50 or 60Hz frequency, plus various voltage options; this range of generators gives you a lot of options for tailoring to meet exact needs. Standard canopy units feature a single point lift (excluding 8-13kVA) and fork pockets for superb manoeuvrability. The JCB CPI digital control panel is fitted as standard on all units, with the exception of the 8 and 13kVA units which feature the JCB KSI key start system.







## Powered by JCB's world-beating innovation... the JCB Dieselmox engine is at the heart of our 65-140kVA generators



The power behind our 65 to 140kVA generators is the JCB Dieselmox engine. An incredible example of JCB innovation, the world-beating, simple design of JCB Dieselmox gives it exceptional performance, developed with heavy-duty applications in mind.

Along with unrivalled performance, these units feature, low fuel consumption for increased efficiency and low noise levels to reduce environmental impact.

In line with the rest of the range, these units are available as open or canopied, and 50 or 60Hz frequency, with a multitude of voltage options. Fork pockets and a single-point lift on all canopy builds increase mobility, while the compact dimensions of the base frame and canopy design also optimise transportability, whether by trailer or craned vehicle.

The latest JCB innovation is a 4.8ltr version, allowing JCB to build a smaller, lighter and more compact generator delivering 6 cylinder performance from a 4 cylinder engine.







## **Robust and powerful with effective silencing for industrial or commercial use**



Generators do not always work on flat stable surfaces so it's crucial that they have a high structural tolerance. This is true of all JCB generators, not just within this power range, so it will come as no surprise to find that JCB generators are mounted within a robust steel base.

As with the entire range, these units are available in both open and canopy versions. The canopied generators are designed to ensure low noise and the internal soundproofing is encapsulated to ensure long term retention delivering lower cost of ownership. Soundproof units feature a residential silencer. The open range features an industrial exhaust silencer as standard, with the option of a residential silencer.

Powering our 144-220kVA models are Iveco's 6-cylinder, high performance engines. Standard features on this range include an oil sump extraction kit to ease engine oil change. Where fuel quality may be questionable, a pre-fuel filter is an option across the whole range, and all models have a battery charger and water jacket heater fitted as standard.







## Designed for non-stop performance... when you need it



Reliable operation is the main objective for anyone buying a generator. With JCB's commitment to putting customer needs at the heart of our business, of course we have developed our new range, from the smallest 8kVA to these large units, and all have industry leading service intervals. These increased service intervals offer maximum performance and productivity.

Such high levels of reliability, combined with high power and performance, make these units highly versatile, particularly within the waste and recycling industry, and for stand-by applications in hospitals, banks, factories and data logging systems. At this larger end of the standard range, we use Scania engines. Long associated with quality engines, most notably in highway trucks and buses, Scania's industrial engines have a well-established reputation for reliability and dependability. The engines, either 5, 6 or 8 cylinder, are of a compact design and are ideally suited for stationary or mobile installations.

They come with 4 pole circuit breakers and a battery isolator, as standard. As for all our generators above 13kVA, every unit features a JCB CPI digital control panel. The JCB CPI is easy to use with excellent functionality which allows you to both operate and monitor your generator.









## **JCB's solutions range – custom built to match your exact requirements**



This range offers solutions for all larger power requirements whether for permanent, prime or standby applications, or mobile support power.

The solutions range is custom built to your specific requirements using engines from either MTU or Mitsubishi. These engines have a superb reputation in the power generation industry.

Often specified by consultants and engineers in new build projects JCB can build sets to meet specific design criteria. Available as open units these custom designed sets are usually part of a project build where the generator is actually constructed into the building that it is providing power to. They can also be supplied ready installed into purpose built 20' or 40' ISO containers for external siting, where internal siting is not a possibility or noise levels are critical. The containerised versions are also easily transportable making them ideally suitable for deployment into disaster zones or civil emergency.

As with all units above 100kVA in the JCB generator range, these custom built sets can be synchronized in either a superdroop mode, which allows unlimited generators to be synchronised through a common bus bar, or through JCB's Syncro Master system which allows up to eight units to operate in parallel.





## Designed for rental market applications

This high specification rental range with 9 models ranging from 20kVA up to 200kVA are powered by either Yanmar, JCB Dieselmex, or Iveco engines.

They are designed specifically for the rental industry where the sets are constantly being transported from site to site. All built into rental specific sound-proofed canopies and feature a high specification to provide the flexibility to use these generators in a wide range of applications and provide high utilisation rates. As standard, all sets have a digital control panel, the base is wider than the canopy to ensure that the canopy does not become damaged during transportation, extended run fuel tanks, three way fuel valve, external lockable fuel filler, pre fuel filter, auxiliary socket box with individual breaker protection. To increase versatility further, JCB has designed a bespoke range of trailer chassis which when fitted become an integral part of the generator. All these help meet the diversity of rental applications. With the ability to have remote monitoring and control, these units give all of the functions required to meet almost all applications.







	Feature	Standard	Benefits
<b>Engine</b>	Engine oil manual drain pump Exhaust rain cap Battery isolator	✓ ✓ ✓	Clean and easy to change oil Prevents water ingress into manifold when engine is not running Disconnects the battery to prevent unwanted starts and prevents battery drain in long storage
<b>Fuel system</b>	Racor fuel filter 3 way fuel valve Extended run fuel tank External, lockable fuel filler	✓ ✓ ✓ ✓	Gives a higher level of fuel filtration in harsh environments Easy to connect an auxiliary fuel supply/bowser Less site visits required Easy to refuel without the need to open the main doors
<b>Electrics</b>	4-pole breaker Earth leakage protection Busbar Auxiliary socket box IP67 with individual breaker protection	✓ ✓ ✓ ✓	Increased safety Adjustable earth fault protection giving added safety to operators and users Easy fitment of output cables Gives high level of safety in wet and dusty conditions
<b>Environment</b>	110% bunded base Bund level detector Emissions compliant Super soundproofed canopy	✓ ✓ ✓ ✓	Will hold all liquids in event of leaks with extra 10% capacity, engine oil, coolant and fuel Notifies fluid in the base that indicates a possible leak Engines meet required European emissions legislation Lower noise emissions than standard canopy generators
<b>Chassis</b>	Thicker paint treatments Sledging skid and chain drawbar Base is wider than the canopy	✓ ✓ ✓	More resistance to knocks and scratches Can be pulled by chains in difficult site conditions Prevents canopies rubbing during storage and transport
<b>Canopy</b>	Thicker paint treatments Fully weatherproof Removable radiator access panel	✓ ✓ ✓	More resistance to knocks and scratches Suitable for use in adverse environments Easy cleaning of radiator
<b>Transporting</b>	Single point lift Fork pockets Compact dimensions	✓ ✓ ✓	Easier to load/offload Easily moved with a fork lift or machine with lifting forks More generators per vehicle so less transport costs
<b>Others</b>	Trailer mounting capability Customised colour		Easily mounted onto a JCB trailer chassis Can be painted to customers requirements

## Designed for individual market applications



**Lighting tower:** The LT9 is a compact, dedicated road towable lighting tower. Featuring a 9m hydraulically activated mast which can rotate 360deg to ensure optimum light positioning, which supports 4 metal halide spotlights of 1000 watts and 90,000 lumens per spotlight.

The mast incorporates a safety feature that the mast cannot be raised unless the handbrake is on and if the handbrake is released the mast will automatically lower to the travel position. It has four stabilisers to ensure stability on all terrains.

Control is with the KS1 control panel and the LT9 comes complete with outlet and inlet sockets giving the ability to power additional external equipment, or to power from other external sources of power as required. All making the LT9 perfect for rental fleets and individual users alike.

**Telecoms:** Telecoms units are available from 8kVA to 45kVA featuring Yanmar engines. All come complete with an integrated control system which allows the unit not only to be connected to a mains system whilst acting as standby, but also has the facility to operate with another unit on a timed sequence capability. These generators feature sound-attenuated canopies and a range of fuel tanks from 200 to 600 litres, allowing them to be operated in remote locations and can be left to run for days at a time. As telecommunication towers can be vulnerable to lightning strikes, the range also features a lightning surge suppressor.







## Control panels and automatic transfer panels... putting you in charge



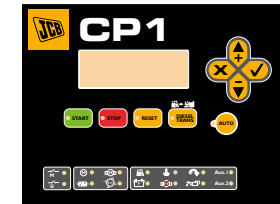
JCB offers a range of control panels to provide flexibility in the operation of the generators from a simple key start to sophisticated synchronising panels.

The JCB KSI is an analogue control system with a simple key start panel that monitors the vital functions of hours, voltage, amps and frequency. It has the capability of manual or automatic two wire start. This panel is fitted as standard on 8 & 13kVA sets and the LT9 lighting tower.

The JCB CP1 digital control panel gives full functionality for control and monitoring of the generator and is fitted as standard on all models from 17kVA upwards. An LCD screen provides a display of engine performance and electrical output with audible and or visual warnings if any areas fall outside of pre set parameters and in some circumstances will automatically shut down the generator. Being a modular system it can easily be adapted to cater for a variety of additional functions and if the generator is used as a standby unit this panel will work directly with the JCB ATP1 control system enabling full automatic mains failure capability.

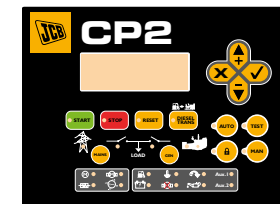
The JCB CP2 digital control panel offers the full functionality of the JCB CP1 digital control panel but will additionally fully control automatic transfer switches to offer a full mains failure monitoring and control capability.

JCB offer a full range of Automatic Transfer Switches from 30amps to 3200amps capacity. The JCB ATP1 digital panel is integrated into all the JCB Automatic Transfer Switches and are fully compatible with the JCB CP1 digital control panel fitted as standard on all JCB generators 17kVA and above.



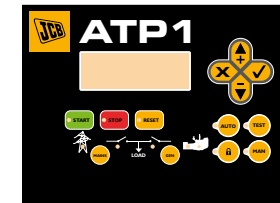
### CP1 digital control panel

*Fitted as standard on all models from 17kVA and above.*



### CP2 digital control panel

*Is optional and provides full mains failure monitoring*

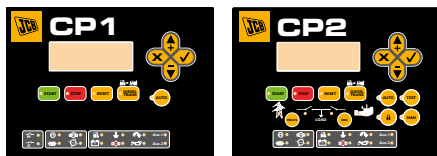


### ATP1 automatic transfer panel

*Is supplied as standard with all JCB automatic transfer switches and fully compatible with CP1*

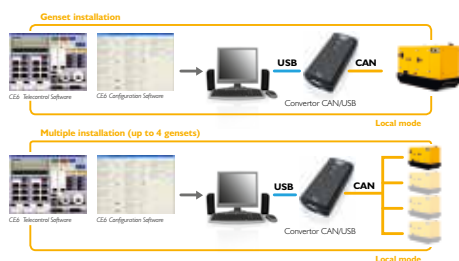
Using the JCB Multisync control system up to 8 generators can operate in synchronisation and load share configuration. JCB can also offer through its superdroop mode the ability to synchronise any number of generators through a common Busbar, but automatic load sharing is not available in this mode.

Additionally there is a wide range of remote communication and monitoring options available to cover all eventualities for use with the above digital control panels.



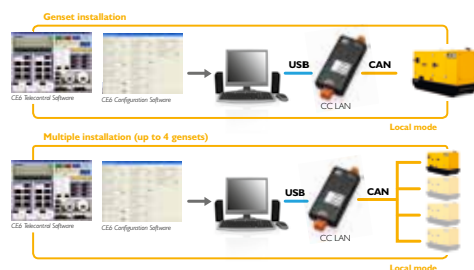
## Remote visualisation screen

Allows control and monitoring remotely via hardware up to 1 km. Only for use with CP1 and CP2 panels through CAN.



## Local monitoring CAN-BUS

Monitoring and control of a generator connected to a PC via can CAN – USB. This option will operate up to a distance of 1 km. As this option is hard wired there will be no additional communication costs. Can be used for single or up to 4 generators on the same site location.



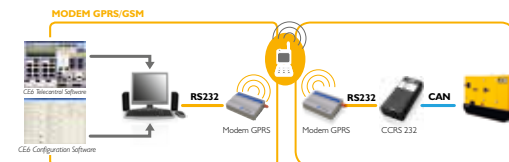
## Local monitoring CAN-LAN

Monitoring and control of a generator connected via Ethernet connection. A generator can be controlled from any PC connected to the same network. As this option is hard wired there will be no additional communication costs. Can be used for single or up to 4 generators on the same site location.



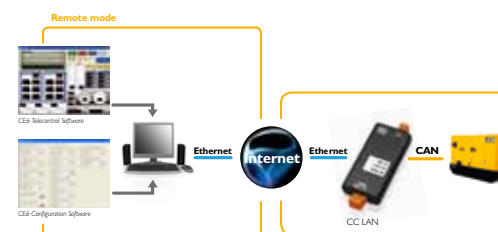
## Remote monitoring – modem

Monitoring and control of a generator connected through a fixed telephone line. A generator can be controlled from a PC connected via a modem. As this option uses a 3rd party service provider there will be an on-going cost.



## Remote monitoring – GSM modem

Monitoring and control of a generator by the use of a GSM/Cellphone network. A generator can be controlled from a PC connected to a GSM/Cellphone network. As this option uses a 3rd party service provider there will be an on-going cost. GSM modem option allows for fixed text alerts/stop/start the generator via SMS.



## Remote monitoring – internet

Monitoring and control of a generator connected to the internet. A generator can be controlled from a PC connected to the internet. As this option uses a 3rd party service provider there will be an on-going cost.



## Multisync control system

Full synchronising capability of two or more generators, or with mains. Ability to load share and load monitor across generators of different sizes. The system comes complete with, quadrature droop, up rated AVR (where required) motorised circuit breaker, electronic engine speed governor (where required) and a synchronisation control module. Available for G115X/QX and G100RX models and above.



### Standard range 50Hz

Model	Engine	50Hz / 400/230v / 3 Phase			
		Prime		Standby	
		kVA	kW	kVA	kW
G8X/QX	Yanmar	8.3	6.6	8.9	7.1
G13X/QX	Yanmar	12.5	10.0	13.4	10.7
G17X/QX	Yanmar	17.1	13.7	18.3	14.6
G22X/QX	Yanmar	20.3	16.2	22.1	17.7
G33X/QX	Yanmar	33.5	26.8	37.0	29.6
G45X/QX	Yanmar	41.4	33.1	45.1	36.1
G65X/QX	JCB	58.7	47.0	63.0	50.4
G90X/QX	JCB	80.2	64.1	88.2	70.6
G115X/QX	JCB	107.7	86.2	118.5	94.8
G140X/QX	JCB	124.9	100.0	138.2	110.6
G144X/QX	Iveco	130.7	104.5	142.8	114.3
G175X/QX	Iveco	159.2	127.4	174.8	139.8
G220X/QX	Iveco	200.0	160.0	220.0	176.0
G275X/QX	Scania	281.3	225.1	305.3	244.2
G330X/QX	Scania	300.0	240.0	330.0	264.0
G400X/QX	Scania	350.0	280.0	400.0	320.0
G440X/QX	Scania	400.0	320.0	450.0	360.0
G500X/QX	Scania	454.9	363.9	498.4	398.7
G550X/QX	Scania	502.1	401.7	549.9	439.9
G600X/QX	Scania	550.0	440.0	590.0	472.0

### Standard range

**All:** Up to 400 hour service intervals (dependant on fuel quality); Digital control panel (excluding G8 and G13 models); Emergency stop button; 4 pole circuit breaker; Fork pockets; Battery charger; Engine water jacket heater (excluding G8 and G13 models).

**Canopy:** Engine sump oil removal pump; Fully weatherproofed; Residential exhaust silencer; Fully bunded fuel tank; Flameproof, heat resistant rockwool soundproofing; Large doors; Single point lift (excluding G8 and G13 models); External emergency stop button; Power cable outlet.

**Open:** Industrial exhaust silencer.

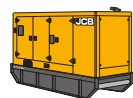


### Solutions range 50Hz

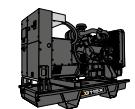
Model	Engine	50Hz / 400/230v / 3 Phase			
		Prime		Standby	
		kVA	kW	kVA	kW
G730X/QX	Mitsubishi	670.0	536.0	738.0	590.0
G800X/QX	Mitsubishi	761.0	609.0	836.0	669.0
G850X/QX	Mitsubishi	775.0	620.0	853.0	682.0
G860X/QX	MTU	782.0	626.0	860.0	688.0
G1000X/QX	MTU	910.0	728.0	1003.0	802.0
G1000X/QX	Mitsubishi	910.0	728.0	1000.0	800.0
G1100X/QX	MTU	1000.0	805.0	1108.0	886.0
G1100X/QX	Mitsubishi	1030.0	824.0	1110.0	888.0
G1200X/QX	MTU	1135.0	908.0	1230.0	984.0
G1350X/QX	Mitsubishi	1260.0	1008.0	1350.0	1080.0
G1500X/QX	MTU	1376.0	1101.0	1500.0	1200.0
G1500X/QX	Mitsubishi	1388.0	1110.0	1500.0	1200.0
G1660X/QX	Mitsubishi	1528.0	1222.0	1660.0	1328.0
G1700X/QX	MTU	1647.0	1318.0	1770.0	1416.0
G1900X/QX	MTU	1785.0	1428.0	1960.0	1568.0
G1900X/QX	Mitsubishi	1744.0	1395.0	1908.0	1526.0
G2000X/QX	Mitsubishi	1900.0	1520.0	2035.0	1628.0
G2200X/QX	MTU	2080.0	1664.0	2250.0	1800.0
G2250X/QX	Mitsubishi	2029.0	1623.0	2250.0	1800.0
G2300X/QX	MTU	2200.0	1760.0	2360.0	1888.0

### Rental range 50Hz

Model	Engine	50Hz / 400/230v / 3 Phase			
		Prime		Standby	
		kVA	kW	kVA	kW
G20RX	Yanmar	20.3	16.2	22.1	17.7
G30RX	Yanmar	33.5	26.8	37.0	29.6
G40RX	Yanmar	41.4	33.1	45.1	36.1
G60RX	JCB	58.7	47.0	63.0	50.4
G80RX	JCB	80.2	64.1	88.2	70.6
G100RX	JCB	107.7	86.2	118.5	94.8
G130RX	JCB	124.9	100.0	138.2	110.6
G160RX	Iveco	159.2	127.4	174.8	139.8
G200RX	Iveco	200.0	160.0	220.0	176.0







## Standard range 60Hz

Model	Engine	60Hz / 380/220v / 3 Phase				60Hz / 220/127v / 3 Phase			
		Prime		Standby		Prime		Standby	
		kVA	kW	kVA	kW	kVA	kW	kVA	kW
G8X/QX	Yanmar	9.8	7.8	10.5	8.4	9.9	7.9	10.7	8.6
G13X/QX	Yanmar	15.0	12.0	16.3	13.1	14.7	11.8	16.2	13.0
G17X/QX	Yanmar	20.4	16.3	22.2	17.7	20.6	16.4	22.4	17.9
G22X/QX	Yanmar	25.6	20.5	28.0	22.4	25.8	20.6	28.3	22.6
G33X/QX	Yanmar	37.5	30.0	40.9	32.7	39.8	31.9	44.3	35.5
G45X/QX	Yanmar	47.5	38.0	51.8	41.4	49.7	39.7	54.6	43.7
G65X/QX	JCB	70.0	56.0	75.0	60.0	70.0	56.0	75.0	60.0
G90X/QX	JCB	85.8	68.6	94.8	75.8	86.2	69.0	95.0	76.0
G115X/QX	JCB	102.0	81.6	111.9	89.6	102.9	82.4	113.1	90.5
G140X/QX	JCB	131.3	105.0	142.5	114.0	132.8	106.2	146.9	117.5
G144X/QX	Iveco	144.9	116.0	159.3	127.4	145.6	116.5	160.0	128.0
G175X/QX	Iveco	172.5	138.0	188.9	151.1	173.3	138.6	190.0	152.0
G220X/QX	Iveco	226.7	181.4	249.1	199.3	227.2	181.7	249.9	200.0
G275X/QX	Scania	304.8	243.8	328.1	262.5	305.7	244.6	329.5	263.6
G330X/QX	Scania	332.6	266.0	379.9	303.9	333.6	266.9	381.6	305.3
G400X/QX	Scania	384.5	307.6	431.7	345.4	360.0	288.0	395.0	316.0
G440X/QX	Scania	434.5	347.6	457.2	365.8	420.0	336.0	455.0	364.0
G550X/QX	Scania	496.3	397.0	541.7	433.4	480.0	384.0	530.0	424.0
G600X/QX	Scania	554.0	443.2	601.7	481.4	554.6	443.7	604.3	483.4

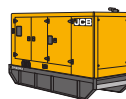
## Standard range

**All:** Up to 400 hour service intervals (dependant on fuel quality); Digital control panel (excluding G8 and G13 models); Emergency stop button; 4 pole circuit breaker; Fork pockets; Battery charger; Engine water jacket heater (excluding G8 and G13 models).

**Canopy:** Engine sump oil removal pump; Fully weatherproofed; Residential exhaust silencer; Fully bunded fuel tank; Flameproof, heat resistant rockwool soundproofing; Large doors; Single point lift (excluding G8 and G13 models); External emergency stop button; Power cable outlet.

**Open:** Industrial exhaust silencer.

## Rental range 60Hz



Model	Engine	60Hz / 380/220v / 3 Phase				60Hz / 220/127v / 3 Phase			
		Prime		Standby		Prime		Standby	
		kVA	kW	kVA	kW	kVA	kW	kVA	kW
G20RX	Yanmar	25.6	20.5	28.0	22.4	25.8	20.6	28.3	22.6
G30RX	Yanmar	37.5	30.0	40.9	32.7	39.8	31.9	44.3	35.5
G40RX	Yanmar	47.5	38.0	51.8	41.4	49.7	39.7	54.6	43.7
G60RX	JCB	70.0	56.0	75.0	60.0	70.0	56.0	75.0	60.0
G80RX	JCB	85.8	68.6	94.8	75.8	86.2	69.0	95.0	76.0
G100RX	JCB	102.0	81.6	111.9	89.6	102.9	82.4	113.1	90.5
G130RX	JCB	131.3	105.0	142.5	114.0	132.8	106.2	146.9	117.5
G160RX	Iveco	172.5	138.0	188.9	151.1	173.3	138.6	190.0	152.0
G200RX	Iveco	226.7	181.4	249.1	199.3	227.2	181.7	249.9	200.0





## Solutions range 60Hz

Model	Engine	60Hz / 380/220v / 3 Phase				60Hz / 220/127v / 3 Phase				60Hz / 228v / 3 Phase				60Hz / 480v / 3 Phase			
		Prime		Standby		Prime		Standby		Prime		Standby		Prime		Standby	
		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
G900X/QX	MTU	875.0	700.0	913.0	730.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G950X/GX	MTU	NA	NA	NA	NA	919.0	735.0	969.0	775.0	NA	NA	NA	NA	NA	NA	NA	NA
G950X/GX	Mitsubishi	NA	NA	NA	NA	NA	NA	NA	NA	863.0	690.0	950.0	760.0	864.0	692.0	967.0	773.0
G960X/GX	Mitsubishi	867.0	694.0	969.0	775.0	864.0	691.0	966.0	772.0	NA	NA	NA	NA	NA	NA	NA	NA
G1000X/QX	MTU	1,000.0	800.0	1,050.0	840.0	NA	NA	NA	NA	923.0	738.0	1,015.0	812.0	920.0	736.0	1,011.0	809.0
G1000X/QX	Mitsubishi	989.0	792.0	1,080.0	864.0	991.0	793.0	1,090.0	872.0	989.0	792.0	1,088.0	870.0	986.0	789.0	1,085.0	868.0
G1100X/QX	MTU	NA	NA	NA	NA	1,035.0	828.0	1,125.0	900.0	1,034.0	827.0	1,140.0	912.0	1,036.0	829.0	1,144.0	915.0
G1200X/QX	MTU	1,147.0	918.0	1,265.0	1,012.0	NA	NA	NA	NA	NA	NA	NA	NA	1,150.0	920.0	1,269.0	1,015.0
G1250X/QX	MTU	NA	NA	NA	NA	1,148.0	918.0	1,250.0	1,000.0	1,152.0	922.0	1,272.0	1,018.0	NA	NA	NA	NA
G1250X/QX	Mitsubishi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,166.0	933.0	1,281.0	1,025.0
G1270X/QX	Mitsubishi	1,164.0	931.0	1,277.0	1,022.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1400X/QX	MTU	1,363.0	1,090.0	1,455.0	1,164.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1500X/QX	MTU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,365.0	1,092.0	1,503.0	1,203.0
G1500X/QX	Mitsubishi	1,360.0	1,088.0	1,500.0	1,200.0	NA	NA	NA	NA	NA	NA	NA	NA	1,361.0	1,089.0	1,513.0	1,211.0
G1650X/QX	Mitsubishi	1,529.0	1,223.0	1,670.0	1,336.0	NA	NA	NA	NA	NA	NA	NA	NA	1,533.0	1,227.0	1,684.0	1,347.0
G1800X/QX	MTU	1,749.0	1,400.0	1,895.0	1,516.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1850X/QX	Mitsubishi	1,722.0	1,377.0	1,895.0	1,516.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1900X/QX	MTU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,753.0	1,402.0	1,932.0	1,546.0
G1900X/QX	Mitsubishi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,725.0	1,380.0	1,901.0	1,521.0
G2000X/QX	MTU	1,915.0	1,532.0	1,995.0	1,596.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2000X/QX	Mitsubishi	1,850.0	1,480.0	2,038.0	1,630.0	NA	NA	NA	NA	NA	NA	NA	NA	1,836.0	1,469.0	2,025.0	1,620.0
G2100X/QX	MTU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,015.0	1,612.0	2,160.0	1,728.0
G2250X/QX	Mitsubishi	2,070.0	1,656.0	2,275.0	1,820.0	NA	NA	NA	NA	NA	NA	NA	NA	2,068.0	1,654.0	2,275.0	1,820.0
G2400X/QX	MTU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,300.0	1,840.0	2,465.0	1,972.0
G2500X/QX	Mitsubishi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,276.0	1,821.0	2,523.0	2,019.0
G2700X/QX	MTU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,600.0	2,080.0	2,785.0	2,228.0

		G8X G13X	G17X G22X	G33X G45X	G65X G90X G115X G140X	G144X G175X G220X	G275X G330X G400X G440X	G500X G550X G600X	G8QX G13QX	G17QX G22QX	G33QX G45QX	G65QX G90QX G115QX G140QX	G144QX G175QX G220QX	G275QX G330QX G400QX G440QX	G500QX G550QX G600QX
<b>Engine</b>	Sump oil removal pump	–	–	–	–	–	–	–	●	●	●	●	●	●	●
	Electronic engine speed governor	–	–	–	○	○▲	●	●	–	–	–	○	○▲	●	●
	Coolant level sender	–	–	–	○	○▲	●	●	–	–	–	○	○▲	●	●
	Engine water jacket heater	●	●	●	●	●	●	●	□	●	●	●	●	●	●
	Battery isolator	○	○	○	○	○	●	●	○	○	○	○	○	●	●
	Industrial exhaust silencer	●	●	●	●	●	●	●	–	–	–	–	–	–	–
	Residential exhaust silencer	○	○	○	○	○	○	○	●	●	●	●	●	●	●
<b>Alternator</b>	Permanent magnet generator	–	–	–	○	○	○	○	–	–	–	○	○	○	○
	Anti condensation heater	○	○	○	○	○	○	○	○	○	○	○	○	○	○
<b>Control panel</b>	KSI Key-start panel	●	–	–	–	–	–	–	●	–	–	–	–	–	–
	CP1 Digital control panel	–	●	●	●	●	●	●	–	●	●	●	●	●	●
	CP2 Digital control panel	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Emergency stop button	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4 Pole circuit breaker	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Earth leakage protection	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Remote screen	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Battery charger	●	●	●	●	●	●	●	–	●	●	●	●	●	●
	Busbar	–	●	●	●	●	●	●	–	●	●	●	●	●	●
	MCB Protected socket box	●	–	–	–	–	–	–	●	○**	○**	○	○	○	○
<b>Chassis</b>	Single point lift	–	–	–	–	–	–	–	–	●	●	●	●	●	●
	Fork pockets	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Fully bunded fuel tank	–	–	–	–	–	–	–	●	●	●	●	●	●	●
	Extended run fuel tank	–	–	–	–	–	–	–	–	–	○	○	○	○	○
	Sledging skid	–	–	–	–	–	–	–	–	○	○	○	○	○	○
<b>Canopy</b>	Emergency stop button	–	–	–	–	–	–	–	●	●	●	●	●	●	●
	Power cable outlet	–	–	–	–	–	–	–	●	●	●	●	●	●	●
<b>Fuel system</b>	3 Way fuel valves	–	–	–	–	–	–	–	–	○	○	○	○	○	○
	Racor fuel filter	–	–	○	○***	○	○	○	–	–	○	○***	○	○	○
	Manual fuel fill system	○	○	○	○	○	○	○	–	–	–	–	–	○	○
	Electronic fuel fill system	○	○	○	○	○	○	○	–	–	○	○	○	○	○
<b>Automatic transfer switches</b>	ATPI	○	○	○	○	○	○	○	–	○	○	○	○	○	○
<b>Synchronisation</b>	JCB Multi-sync control system	–	–	–	○*	○	○	○	–	–	–	○*	○	○	○
<b>Remote monitoring</b>	Remote visualisation screen	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Local monitoring CAN-BUS	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Local monitoring CAN-LAN	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Remote monitoring modem	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Remote monitoring GSM modem	–	○	○	○	○	○	○	–	○	○	○	○	○	○
	Remote monitoring internet	–	○	○	○	○	○	○	–	○	○	○	○	○	○

Table features units from 8-600kVA. \*G115X/G115QX/G140X/G140QX \*\* No busbar \*\*\*JCB pre filter fitted ● Standard ○ Optional ▲ Standard on G220X and G220QX models □ Only available with CP2 and ATS panel – N/A



## A few words about JCB

A groundbreaking, world class family business with a commitment to supporting our customers and protecting the environment



**A family company on a global scale.** JCB is no ordinary company. From the dreams of one man, Joseph Cyril Bamford, we have grown into the world's largest privately owned construction equipment company. Since 1945, the same attention to detail, passion for progress and family spirit has taken us from strength to strength.

Nowadays JCB operates across five continents, manufacturing at 18 factories in the UK, Brazil, Germany, China, North America and India. With 1,500 dealer depots selling and supporting our products in over 150 countries, we are the global market leader for backhoe loaders and telescopic handlers.

**A history of world-class innovation.** Our business has always been driven by innovation, using only the most advanced technology, meticulous design, precision engineering and rigorous testing. Evidence of this commitment to innovation is illustrated in our revolutionary JCB Dieselmix engine. Having grabbed the headlines when it smashed the world diesel land speed record at 350.092mph, it is now providing our customers with tomorrow's performance today.



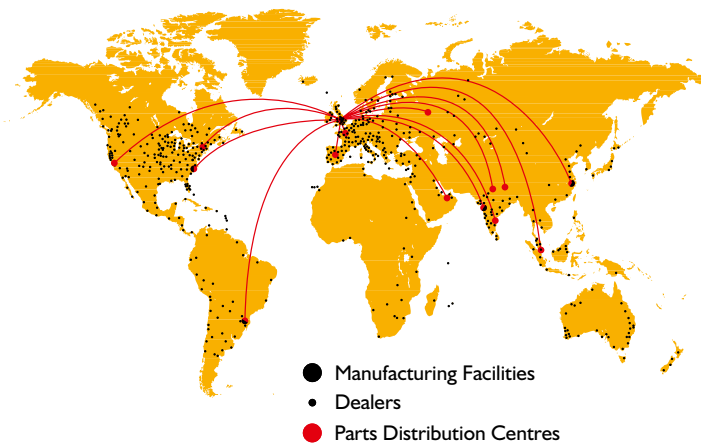
**Doing things more efficiently, more sustainably.** Since 2007 we have reduced our carbon emissions by 20%. We are continually working to further reduce the carbon footprint of our operations and, in partnership with our suppliers, our whole supply chain. We are also committed to designing our products to be sustainable during manufacturing, over the life of the machine and through end-of-life recycling. Our new Eco machines, for example, offer significant fuel and carbon savings; an average of 16% on the Eco backhoes and 22% on the 8085 Eco.





## The best back-up in the business

Whether we're providing you with support, parts or finance, we aim for 100% satisfaction. It's all part of our promise to put you, the customer, first



**Wherever you are, we are.** Our mission to provide world-class support and deliver 100% satisfaction reaches into more than 1,500 dealer depots, spanning 150 countries across five continents. The aim? To bring you global expertise at a local level. We truly believe no other manufacturer does more to understand the subtle differences between one region of the world and another. It's a degree of attention that we maintain at every level of the company and an assurance to our customers that wherever they are in the world, JCB will fulfil their needs.

**Trust the genuine article.** At the heart of the support network is our impressive World Parts Centre, a state-of-the-art facility operating 24/7 to dispatch more than a million genuine parts and attachments every week to our dealers and international distribution centres. Because we understand the need to minimise downtime, we utilise the latest logistics and warehouse management systems and have committed to an 'Anywhere in 24 hours' strategy.

**Keeping you up and running.** Just as important as genuine JCB parts are the people who fit and maintain them. Our JCB-trained technicians in all of those 1,500-plus dealer depots provide excellent, expert customer care, whether it's routine servicing or something more urgent. If there is an emergency breakdown situation, we need to act fast. This is why all our dealers operate their own fleets of support vehicles, enabling parts to be delivered quickly and fitted expertly, and fulfilling our promise to keep our customers working.

**Maximising earning potential.** We grow as our customers grow. That's why, at JCB, we are committed to offering expert financial advice and support to help customers maximise their earning potential.

Finance options\* are available for new and used machinery, all part of our dedication to helping customers preserve their working capital while spreading costs in the most effective and tax-efficient way.

And as well as financial help, we are also happy to offer JCB Insurance.\* We specialise in construction and industrial insurance and in offering Insurance Premium Finance facilities.

*\* Please check individual countries for available services.*









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Download the very latest information on this product range at: [www.jcb.com](http://www.jcb.com)

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