

128kw/172hp 21.1 – 23.5t

EXCAVATORS | **JS220**



A Product of Hard Work



EXCELLENT ALL-ROUND VISIBILITY

Easy-open, gas-strut-assisted front window.

Large glass areas for closer working.

Low-level engine cover for excellent rear visibility.

AUTO MODE FOR OPTIMUM PERFORMANCE

Advanced Management System controls all major functions.

Four operating modes: Auto, Economy, Precision and Lifting.

Auto mode automatically switches between maximum power and economy for fuel efficiency.

STATE-OF-THE-ART HYDRAULICS

Increased hydraulic flow and pressure for greater power.

Regenerative system for faster cycle times and reduced fuel consumption.

Cushion control on boom and dipper as standard.



SUPERB OPERATOR ENVIRONMENT

Fully adjustable ergonomic high-back seat for superior comfort.

Easy-to-use, clearly marked controls.

Optional climate control.

EASY ACCESS TO ALL AREAS

Ground-level access for easy daily servicing and reduced downtime.

All components in accessible areas.

Engine sump reached via hinged belly plate.

HIGHLY EFFICIENT TIER 3 ENGINE

25% more power and 27% more torque than previous engine.

Greater reductions in fuel consumption.

Reduced noise and vibration.



Tough tasks call for a tough excavator

And nothing works as hard as a JCB

The JS220 is an all-round performer relied on the world over for incredible productivity, efficiency and long life. This class of machine is the most popular in virtually all countries – it's also the machine most likely to be used on site, for example – Housebuilding, pipe laying or road building. Effortless partnership loading trucks, easy to transport, great lifting capacity... the JS220 is a supremely versatile investment.



GETTING THE WORLD WORKING

All over the planet, people are building, growing and developing with the power of JCB. Our machines have changed the way the world works, making the impossible not only possible, but safe, practical and profitable. Our reputation has been hard earned, and it's something we never take for granted. That's why we continually plough everything we have learned into outstanding new developments like our latest high-performance excavators.

POWERED BY EXPERIENCE

Each of our 15 tracked, 5 wheeled and 3 zero tailswing models comes with 65 years' JCB manufacturing excellence as standard, and over 45 years of specialist excavator expertise. During this time, demand for the JCB excavator has become so great that we have now invested in a brand new, state-of-the-art factory where, our customers tell us, we are producing the best excavators we have ever built.

At this first-class facility, our industry experts and machine specialists are designing, developing and rolling out 8,000 excavators a year, each meticulously designed and tested to ensure incredible quality and durability.

ENDURANCE YOU CAN DEPEND ON

Because we know your JCB heavy machines are an investment in your future, we make sure they're built to take you there. Every last detail in the JS220 has been created for maximum durability, productivity and profitability over thousands of working hours.

DESIGN THAT PUTS YOU IN THE DRIVING SEAT

Controlled productivity all comes down to the way the operator interacts with the machine, so when we design our excavators, we put the operator in the driving seat. It's how we have ended up with such spacious cabs, incorporating AMS, cushion control, noise and vibration reduction, superb airflow, climate management and intuitively laid-out controls.

INCREDIBLE FUEL EFFICIENCY

Increasing power while reducing fuel consumption was a tough challenge, but just the kind we like; and we've done it. The JS220's smaller, cleaner engine really does do more with less, giving you more drive and more torque on less fuel, plus lower rpm and noise levels.

QUALITY, ABOVE ALL

We're here to help you tackle even tougher, more demanding tasks knowing every detail of your JCB has been designed to meet those extreme challenges head on. Take a closer look at those details for yourself as we explore everything the JS220 has to offer...



Superb operator environment

As with all the models in the JS Auto range, meticulous attention to detail has been applied to every inch of the JS220's cab. It is JCB's most stylish and well designed cab to date, with everything from the comfortable seat and servo controls positioning, to the handy radio mute button; all created for maximum ease of use and comfort.



ERGONOMIC, PRACTICAL, COMFORTABLE

A comfortable, fully adjustable seating position reduces operator fatigue while the high-backed suspension seat (optional) provides excellent support. Behind the seat is a practical, net-covered shelf that is large enough for a lunch bag. A huge door provides easy access to the cab, with a completely flat floor suitable for easy cleaning.

CLIMATE CONTROL

Excellent heating and ventilation ensure ideal working conditions. Variable blower speed, temperature and recirculation controls are all well marked out and simple to use. An optional climate-control system and heated, air-suspended seat are also available.

ISO SERVO CONTROLS

All controls are clear and easy to use. The excavator boom and dipper are servo-lever operated to ISO control pattern, independently adjustable to the seat. The joystick-mounted track gear selection makes changing travel speed easier, while the engine speed is controlled by a dial-type throttle plus servo-lever-mounted, one-touch idle control or selectable auto-idle with adjustable time delay. Secondary control switches are banked to the side of the levers so there is no need to turn around to activate the controls.





All-round visibility and optimum performance

Thanks to the large glass areas and carefully designed front, side and roof lights, operators can enjoy excellent digging, loading and positioning visibility – even in conditions that demand close working. Inside the cab, all major functions are controlled by JCB's Advanced Management System (AMS). This on-board computer ensures maximum productivity at minimum operating cost by matching the engine and hydraulic system output to operator demand.



GAS-STRUT-ASSISTED FRONT WINDOW

The JS220 cab presents a clear view overhead, enhanced by the positioning of the wiper motor. The front screen is very smooth to operate. The lower screen stores easily and securely within the top screen frame, while the complete front is gas-strut assisted for fast and convenient use. A roller blind protects from glare through the front or top screens.

LARGE WIPER AREA

The upper-screen, parallelogram-shaped wash wiper ensures a large, excellently wiped area for maximum visibility. The wiper motor is fitted in the left-hand side of the roof screen to avoid obstructing views of the bucket.

EXCELLENT VISIBILITY TO LEFT AND RIGHT

With no obstructive cab structures to get in the way, there is high visibility of both tracks; particularly to the edge of the front right track. To the rear, the new, sleek low-level engine cover also gives excellent visibility.

CLEAR AND EASY TO USE

The JS220 has four working modes for maximum control and efficiency, all available at the touch of a button. The AMS monitor itself is compactly designed with a clear, easy-to-use interface, featuring: antiglare screen, clock, message display area, power mode indicator, operational hours display, warning lamps, track gear indicator, gauges for fuel, water temperature and hydraulic temperature.

RECORDS SERVICE DATA

The AMS records all the machine's key operating data, helping diagnose any problems and proving invaluable when it comes to selling on. Increased diagnostics, without the need for a PC, make servicing easier and quicker. Records can be downloaded to a computer if needed.

CUSHION CONTROL

The ends of the main boom and dipper arm hydraulic rams are cushioned to prevent shock loadings, protecting your machine and making it more comfortable to operate. For convenience and efficiency, the cushion control is always on until deactivated.





Maximum productivity

Components engineered in Japan have the edge when it comes to precision work, so that's where the main hydraulic parts are from. They give you increased flow and pressure, which in turn increase available power and speed for improved dipper and bucket dig force.



INCREASED HYDRAULIC FLOW

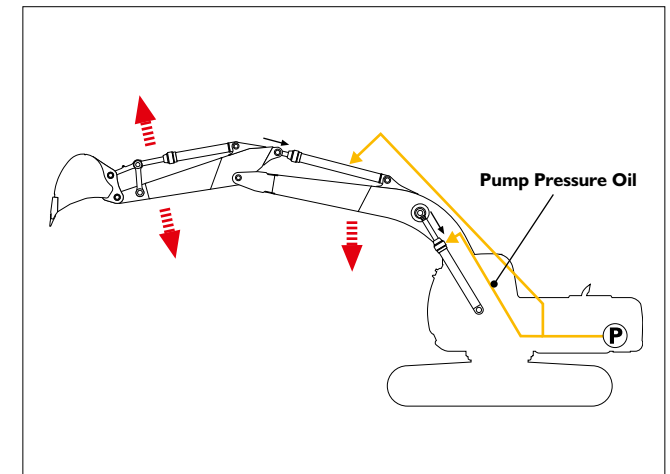
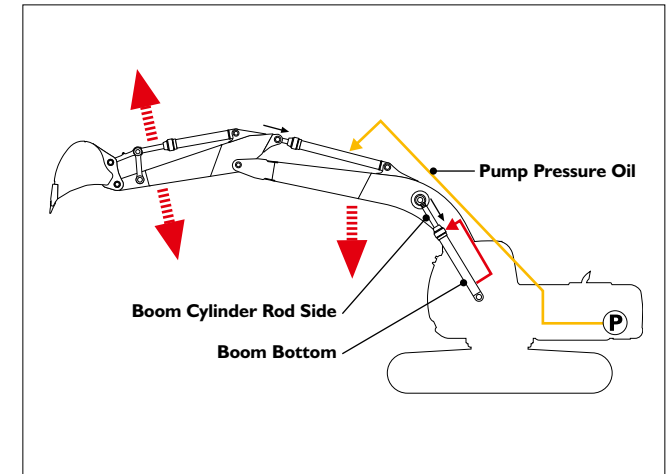
The JS220 features a variable flow load sensing system with flow on demand, variable power output and servo-operated, multifunction open centre control, designed to provide increased flow and pressure. It is a regenerative system where oil is recycled, giving faster cycle times and reduced fuel consumption.

FASTER TRUCK LOADING

For optimum productivity, the JS220 has better controllability and much more evenly matched working speeds for the boom and arm. Boom/slew priority as standard speeds up truck loading.

MORE DIPPER AND DIG FORCE

Increased hydraulic flow and pressure also ensure more dipper force, drawbar pull and bucket dig force for greater performance. The maximum dipper tearout is 143kN, while maximum bucket tearout is 155kN. The JS220 comes with either a 5.7m monoboom or triple-articulated boom for easier transportation, digging closer to the machine and giving greater lift capacity. Both booms are available with a choice of dipper lengths – short 1.9m, medium 2.4m or long 3m – to suit the requirements of reach, dig-depth, loadover height, tearouts and site versatility. Reserve strength is built into the fully welded structures for hydraulic hammer and other arduous operations.





More power, less fuel

It sounds like a contradiction, but the new JS220's smaller four-cylinder 5.9-litre engine actually gives more power, more torque, lower rpm, reduced fuel consumption and lower noise levels. All while meeting the latest Tier 3 clean emissions legislation.



INCREASED POWER AND TORQUE

The Isuzu 4HK1X turbo diesel four-pot engine produces 128kW (172hp) at 2,000rpm; an impressive 25% more power and 27% more torque than the former larger engine. The increased power is achieved through an isochronous electronic governor which reacts automatically to hydraulic system demand, maintaining the ideal engine output for a given operating condition.

HIGH FUEL EFFICIENCY

Achieving Tier 3 legislation, combined with electronic governing results in low fuel consumption per kilowatt hour. The machine's regenerative hydraulic system, combined with either the Advanced Management System's Auto or Economy mode when appropriate also results in fuel savings.

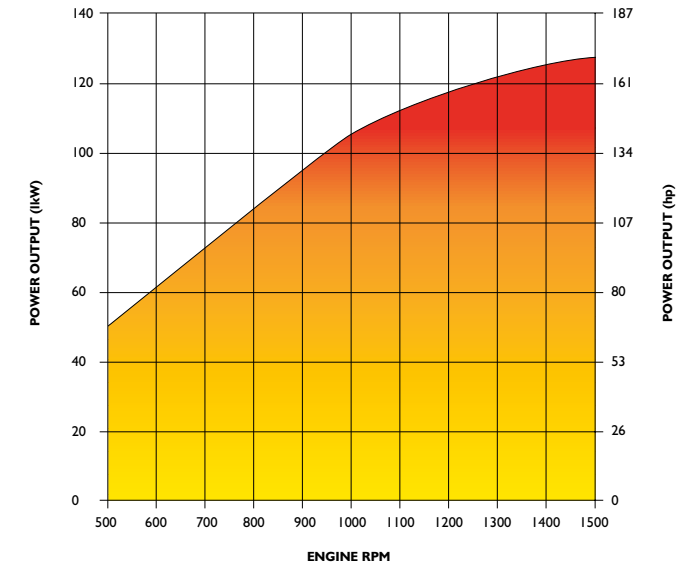
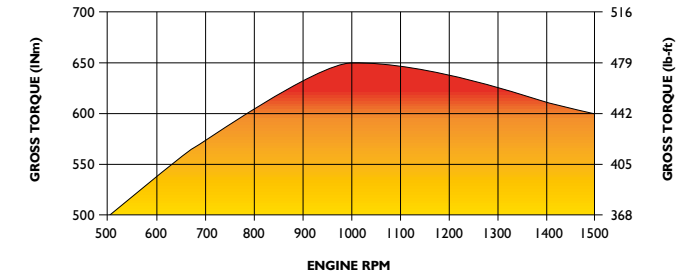
IMPROVED COLD START

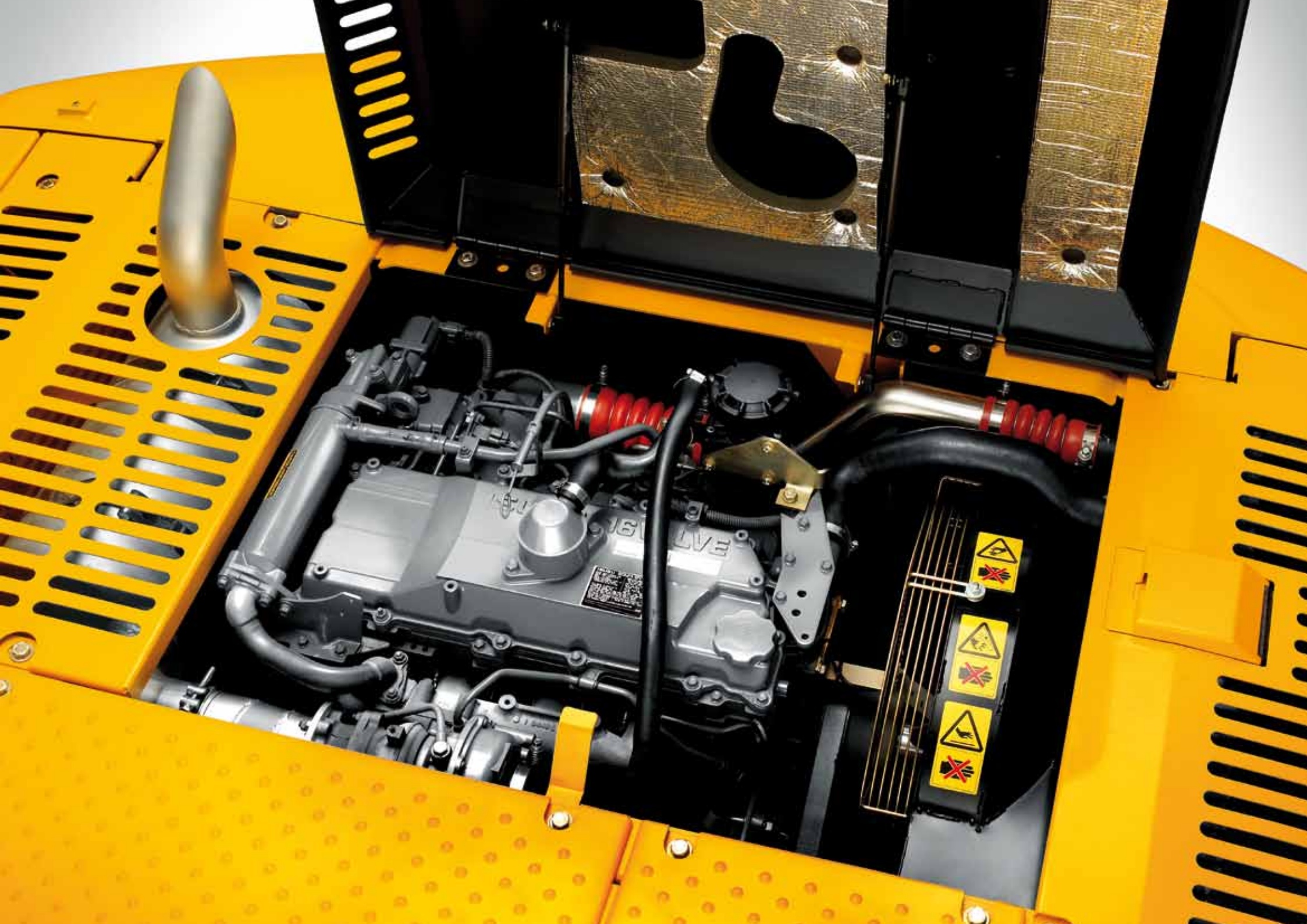
A variable-speed cooling fan (EU only) is used for quicker engine warm up, with the added benefit of reducing noise levels. Machine auto warm up as standard also maximises performance in cold conditions.

LOW NOISE AND VIBRATION

The Isuzu 4HK1X Tier 3 not only produces low emission levels but also low noise and vibration levels. Viscous mounting the whole cab structure also aids noise and vibration reduction.

JS220 POWER AND TORQUE
ENGINE PERFORMANCE CURVE





Maintenance made easy

Fast, efficient maintenance of the JS220 is vital for ensuring the machine's productivity levels remain at their highest. A machine is only as good as its component parts and if one of those components fails, however minor, it can reduce productivity, lower performance or bring the whole machine to a halt. Therefore, it is not only vital to use genuine JCB parts, but also to make sure the entire machine is regularly maintained.



THE ADVANCED MANAGEMENT SYSTEM (AMS)

As well as ensuring maximum productivity at minimum operating costs, the AMS also monitors tracking hours and service data, offering diagnostic functions without the need to use a laptop computer. With three entry levels – the operator is only able to access the first level – service and machine data can be safely stored within the machine's computer for future use.

GROUND-LEVEL ACCESS

Service access on the JS220 is excellent. A hinged belly plate makes getting to the engine sump very simple and there is a quick-fit drain pipe for use on engine-oil and fuel-tank drain plugs. All the steps and top covers are fitted with non-slip, heavy-duty panels.

With the new Tier 3 engine comes true ground-level servicing, including a digital display as part of the in-cab AMS for engine oil checks, and remote engine oil and fuel filters. Ground-level servicing not only reduces downtime but is much safer for technicians working in the field.

OPTIMUM COOLING PERFORMANCE

The JS220's Isuzu engine is designed for longevity and is helped by a bank of high-performing radiators mounted side by side. One is for the engine coolant, while a separate section is for the engine's intercooler. A third section is designed for keeping the hydraulic oil cool. Keeping the engine at the optimum temperature helps maintain performance and reduce downtime. The coolers are easily maintained, accessible via swing-open doors.





Built to last

Everything about the new JS220 indicates that it is built to last, offering maximum productivity over thousands of operational hours. Every single component has been carefully designed and manufactured to rigorous standards, ensuring long life, lower running costs and a high value when it finally comes to selling.



RELIABLE, PROTECTED HYDRAULIC COMPONENTS

The JS220 uses high quality, reliable Japanese-made hydraulic components. In turn, these are protected by the highest standard Plexus filtration system, ensuring long hydraulic fluid and component life.

MODERN DESIGN

The JS220's modern design incorporates superb damage protection as standard: curved side skirts and a big clearance over the tracks reduce damage to the superstructure; guards shield the undercarriage from debris; and cushion control on boom and dipper services reduces wear and tear on machine parts.

REGENERATIVE CIRCUITS

The regenerative hydraulic system provides faster cycle times and reduced fuel consumption.

EASY ACCESS

All components in the JS220's superstructure are easily accessible, so it is easier to maintain, which in turn maximises productivity.

GREASED AND SEALED FOR LIFE

Track links are greased and sealed for life, reducing noise and extending operational track life.

1000-HOUR GREASING INTERVALS

Both the boom base and dipper pins have 1000-hour greasing intervals to reduce service time and costs.





COMMERCIAL

JCB

JCB

JSE20

SONS
DERBYSHIRE

CONTRACTORS

TEC

All the attachments you need

The JS220's outstanding power, precision control and dipper range make it perfect for a number of environments, from extracting trench boxes to removing sheet piling. For each job, the right tool is needed, and JCB offers a wide range of easily changeable attachments, with different bucket types, hammers, crushers and more.

DUALOCK QUICKHITCH

The JCB Dualock quickhitch is double locking with independent systems for front and rear pins. It uses the proven blocking bar system plus the added feature that the front lock is visible from the cab.



BUCKETS

All JCB buckets are designed for maximum performance and durability:

Heavy-duty buckets

Additional weld-in Esco sidecutters assist breakout force, protecting the bucket shell and extending bucket life. Side shrouds and a double-skinned shell provide additional protection and side plate reinforcements increase strength and rigidity.



Scoop buckets

100% fill factor design for higher productivity, and class-leading tear out force from the low profile design and sunken pins, with no interference with boom or cab. Choose from general purpose, heavy-duty and extra heavy-duty.



Grading buckets

Side reinforcement plates offer additional strength and rigidity while drainage holes reduce weight during operation.

HAMMERMASTER

Every JCB hammer boasts: a long piston stroke for increased breaking performance; auto-stop function to eliminate damage to the breaker from idle blows; energy recovery for enhanced performance; JCB autogrease fitted as standard; and durable housing incorporating heavy-duty rock claw.



MULTIPROCESSOR

Available with universal or steel shear jaws, the JCB multiprocessor features hydraulic speed valves to reduce cycle times and ram guards to protect piston rods. The twin-ram, single-jaw pivot design eliminates displacement forces and 360° hydraulic rotation is achieved with break back protection.



SELECTOR GRABS

A complete range of seven separate models to mount on both mid-range and heavy-line excavators within the 6-46 tonne range. The new line-up of sorting and demolition grabs provide the perfect solution for jobs involving selection and handling duties. Common applications include industries such as demolition, recycling and any job requiring the handling of waste materials.



CRUSHER BUCKETS

JCB crusher buckets are a cost effective solution to reducing brick, concrete or rock to hardcore size, and are ideal for on-site recycling of demolition material.

ROCK WHEEL

JCB Rockwheels provide the perfect excavation solution where accurate, low noise and low vibration cutting of sedimentary rock, concrete and asphalt is required. They also are effective on permafrost.





ENGINE

Model	Isuzu 4HK1X	
Type	Common rail direct injection, water cooled, turbocharged, intercooled diesel with EGR	
Rated capacity (ISO 3046-1 NF NET)	kW (hp)	128 (172)
Number of cylinders	4	
Bore and stroke	mm	115 x 125
Displacement	litres	5.193
Battery	2 x 12 volt heavy-duty	
Alternator	24V 40A	
Starter motor	24V 4.5kW	
Air filter type	Dry element type with secondary safety element and in-cab warning indicator	
Cooling	Suction fan with side by side water, hydraulic oil and intercooler sections and optional swing out air conditioning condenser	

Type	Load sensing open centre system	
Additional circuits	A range of additional high and low flow circuits can be added depending upon specification	
Main pump	2 axial piston type variable displacement pumps	
Maximum pump flow	l/min (UK gal/min)	2 x 214 (2 x 46)
Relief valve settings		
Implement	bar (lb/in ²)	373 (5410)
Travel	bar (lb/in ²)	343 (4975)
Swing	bar (lb/in ²)	289 (4190)
Pilot circuit	bar (lb/in ²)	40 (580)

ENVIRONMENT

Engine emissions	Fully compliant with EU Stage III A and EPA Tier 3 exhaust emissions regulations	
Noise levels		
LwA external	dBA	103
LwA operator ear	dBA	72

SWING SYSTEM

Type	Axial piston motor	
Swing lock	Hydraulically actuated multi disc brake integrated with swing motor	
Swing speed	rpm	12.9
Swing torque	kNm	65
Maximum pressure	bar (lb/in ²)	289 (4190)

DRIVES AND BRAKES

Steering control	Twin pedal and levers giving independent track control	
Drive method	Hydrostatic	
Travel operation	3 speed with automatic shift between medium and high speed	
Gradeability	70% 35°	
Maximum travel speeds		
Low	kph (mph)	2.3 (1.4)
Medium	kph (mph)	3.3 (2.1)
High	kph (mph)	5.6 (3.4)
Tractive effort	kN (kgf/lbf)	202.3 (20629/45479)
Brake system	Hydraulically operated discs in each travel motor	

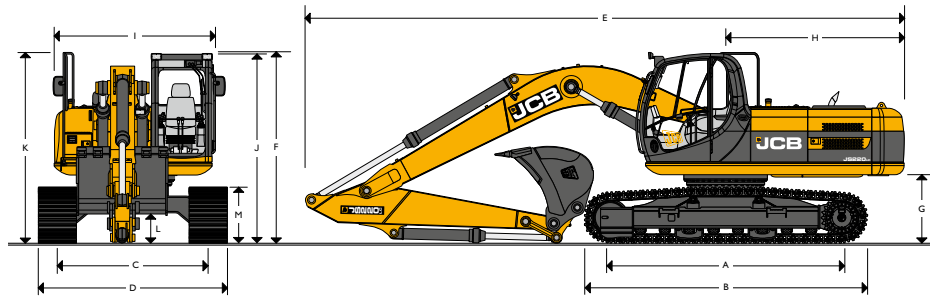
UNDERCARRIAGE

Construction	Fully welded X frame type with track and central underguarding. Angled side members with top roller dirt relief holes	
Track assembly		
Type	Greased and sealed for life	
Shoes (each side)	46 (NLC & SC) 49 (LC)	
Tension	Combined spring and hydraulic	
Rollers		
Track rollers (each side)	8 (NLC & SC) 8 (LC)	
Carrier rollers (each side)	2	

SERVICE CAPACITIES

Fuel tank	litres (UK gal)	343 (75.4)
Radiator	litres (UK gal)	25.5 (5.61)
Engine oil	litres (UK gal)	21.5 (4.7)
Swing drive	litres (UK gal)	5.0 (1.1)
Hydraulic tank	litres (UK gal)	120 (26.4)
Final drive (each side)	litres (UK gal)	4.7 (1.0)

STATIC DIMENSIONS – JS220 NLC/SC/LC MONOBOOM



WEIGHTS AND GROUND BEARING PRESSURES

Figures include 1.14cu.m. bucket 760kg (1675lbs), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

MONOBOOM		500mm shoes	600mm shoes	700mm shoes	800mm shoes	900mm shoes
JS220NLC						
Machine weight	kg (lb)	21144 (46615)	21396 (47170)	21648 (47725)	–	–
Ground bearing pressure	kg/cm (lb/ft ²)	0.51 (7.25)	0.43 (6.11)	0.37 (5.26)	–	–
JS220SC						
Machine weight	kg (lb)	21227 (46800)	21479 (47350)	21731 (47900)	–	–
Ground bearing pressure	kg/cm (lb/ft ²)	0.51 (7.25)	0.43 (6.11)	0.37 (5.26)	–	–
JS220LC						
Machine weight	kg (lb)	–	21904 (48290)	22172 (48880)	22440 (49470)	22490 (49580)
Ground bearing pressure	kg/cm (lb/ft ²)	–	0.41 (5.83)	0.36 (5.12)	0.31 (4.41)	0.28 (3.98)

BUCKET AND ARM FORCE

Arm length		1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
Bucket digging force	kg (lb)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket digging force at Power boost	kg (lb)	15800 (34835)	15800 (34835)	15800 (34835)
Arm crowd force	kg (lb)	13450 (29650)	11560 (25485)	9590 (21142)
Arm crowd force at Power boost	kg (lb)	14610 (32210)	12550 (27670)	10410 (22950)

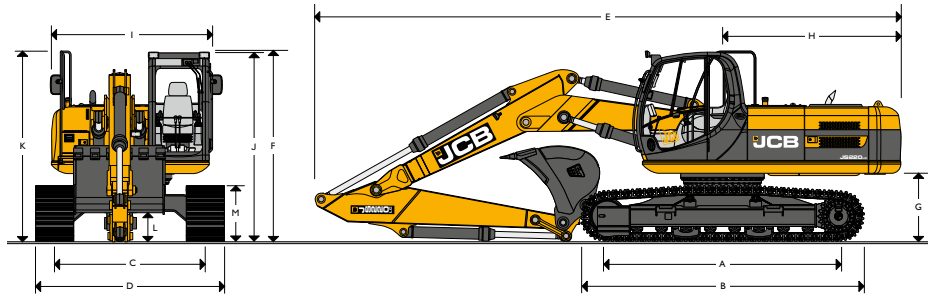
Dimensions in millimetres (ft-in)	NLC	SC	LC
A Track length on ground	3660 (12-0)	3370 (11-1)	3660 (12-0)
B Undercarriage overall length	4460 (14-6)	4170 (13-8)	4460 (14-8)
C Track gauge	1990 (6-6)	2200 (7-2)	2390 (7-10)
D Width over tracks (500mm trackshoes)	2490 (8-2)	2700 (8-10)	–
D Width over tracks (600mm trackshoes)	2590 (8-6)	2800 (9-2)	2990 (9-10)
D Width over tracks (700mm trackshoes)	2690 (8-10)	2900 (9-6)	3090 (10-2)
D Width over tracks (800mm trackshoes)	–	–	3190 (10-6)
D Width over tracks (900mm trackshoes)	–	–	3290 (10-10)
Dipper lengths	1.91m (6ft 3in)	2.40m (7ft 10in)	3.0m (9ft 10in)
E Transport length with Monoboom	9570 (31-5)	9560 (31-4)	9440 (31-0)
F Transport height with Monoboom	3055 (10-0)	3060 (10-0)	3025 (9-11)
G Counterweight clearance			1066 (3-6)
H Tailswing radius			2825 (9-3)
I Width of superstructure			2549 (8-4)
J Height over cab			2946 (9-8)
K Height over grab rail			3025 (9-11)
L Ground clearance			486 (1-7)
M Track height			885 (2-11)

STANDARD EXCAVATING BUCKETS

JS220 Mono Boom Bucket and Arm combination								
Bucket width	mm (in)	600 (24)	900 (24)	1000 (39)	1200 (47)	1350 (53)	1450 (57)	1500 (59)
Bucket capacity	m ³ (yd ³)	0.40 (0.52)	0.71 (0.93)	0.81 (1.06)	1.03 (1.35)	1.05 (1.37)	1.14 (1.49)	1.19 (1.56)
Bucket weight	kg (lb)	484 (1067)	595 (1312)	627 (1382)	705 (1555)	679 (1497)	720 (1588)	734 (1618)
Undercarriage and Dipper length								
JS220NLC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220NLC	2.40m (7ft 10in)	○	○	○	○	○	●	●
JS220NLC	3.00m (9ft 10in)	○	○	○	●	●	■	■
JS220SC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220SC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JS220SC	3.00m (9ft 10in)	○	○	○	○	○	●	●
JS220LC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220LC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JS220LC	3.00m (9ft 10in)	○	○	○	○	○	○	○

○ Material weight up to 2000kg/m³ (1.50t/yd³) ● Material weight up to 1800kg/m³ (1.35t/yd³) ■ Material weight up to 1500kg/m³ (1.1t/yd³)
 These recommendations are given as a guide based on typical operating conditions.
 Please contact your distributor for the correct selection of buckets and attachments to suit the application.

STATIC DIMENSIONS – JS220 NLC/SC/LC T.A.B.



Dimensions in millimetres (ft-in)	NLC	SC	LC
A Track length on ground	3660 (12-0)	3370 (11-1)	3660 (12-0)
B Undercarriage overall length	4460 (14-6)	4170 (13-8)	4460 (14-8)
C Track gauge	1990 (6-6)	2170 (7-1)	2390 (7-10)
D Width over tracks (500mm trackshoes)	2490 (8-2)	2670 (8-9)	–
D Width over tracks (600mm trackshoes)	2590 (8-6)	2770 (9-0)	2990 (9-10)
D Width over tracks (700mm trackshoes)	2690 (8-10)	2870 (9-5)	3090 (10-2)
D Width over tracks (800mm trackshoes)	–	–	3190 (10-6)
D Width over tracks (900mm trackshoes)	–	–	3290 (10-10)
Dipper lengths	1.91m (6ft 3in)	2.40m (7ft 10in)	3.0m (9ft 10in)
E Transport length with T.A.B.	9583 (31-6)	9576 (31-5)	9467 (31-1)
F Transport height with T.A.B.	3050 (10-0)	3058 (10-0)	2886 (9-6)
G Counterweight clearance			1066 (3-6)
H Tailswing radius			2825 (9-3)
I Width of superstructure			2550 (8-4)
J Height over cab			2946 (9-8)
K Height over grab rail			3025 (9-11)
L Ground clearance			486 (1-7)
M Track height			885 (2-11)

WEIGHTS AND GROUND BEARING PRESSURES

Figures include 1.14cu.m. bucket 760kg (1675lbs), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

T.A.B.		500mm shoes	600mm shoes	700mm shoes	800mm shoes	900mm shoes
JS220NLC						
Machine weight	kg (lb)	22194 (48930)	22446 (49485)	22698 (50040)	–	–
Ground bearing pressure	kg/cm (lb/ft ²)	0.53 (7.54)	0.45 (6.40)	0.39 (5.55)	–	–
JS220SC						
Machine weight	kg (lb)	22277 (49110)	22529 (29665)	22781 (50225)	–	–
Ground bearing pressure	kg/cm (lb/ft ²)	0.53 (7.54)	0.45 (6.40)	0.39 (5.55)	–	–
JS220LC						
Machine weight	kg (lb)	–	22954 (50604)	23222 (51195)	23490 (51780)	23540 (51895)
Ground bearing pressure	kg/cm (lb/ft ²)	–	0.43 (6.11)	0.37 (5.26)	0.33 (4.70)	0.29 (4.12)

BUCKET AND ARM FORCE

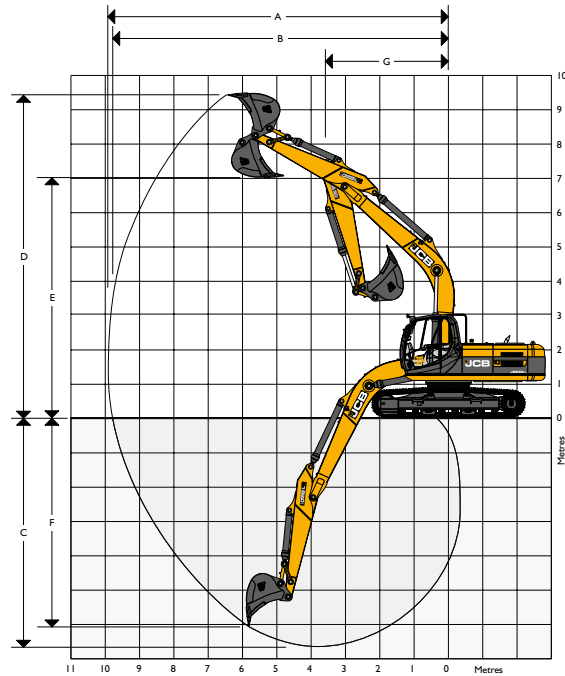
Arm length		1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
Bucket digging force	Kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket digging force at Power boost	Kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)
Arm crowd force	Kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
Arm crowd force at Power boost	Kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)

STANDARD EXCAVATING BUCKETS

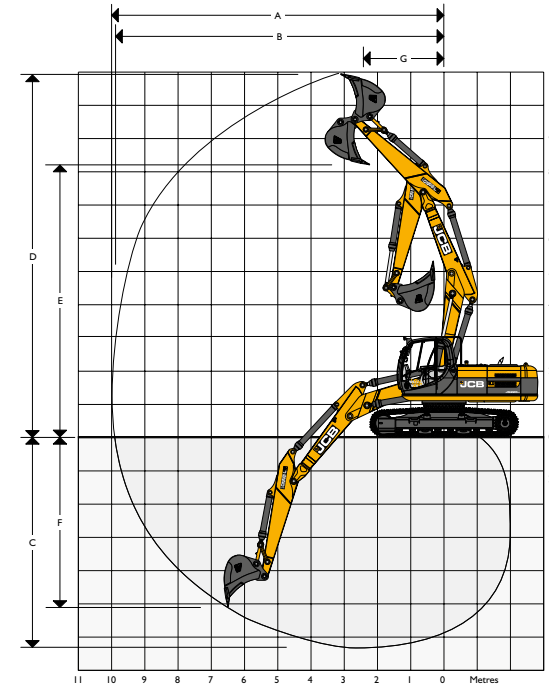
JS 220 TAB Bucket and Arm combination								
Bucket width	mm (in)	600 (24)	900 (24)	1000 (39)	1200 (47)	1350 (53)	1450 (57)	1500 (59)
Bucket capacity	m ³ (yd ³)	0.40 (0.52)	0.71 (0.93)	0.81 (1.06)	1.03 (1.35)	1.05 (1.37)	1.14 (1.49)	1.19 (1.56)
Bucket weight	kg (lb)	484 (1067)	595 (1312)	627 (1382)	705 (1555)	679 (1497)	720 (1588)	734 (1618)
Undercarriage and Dipper length								
JS220NLC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220NLC	2.40m (7ft 10in)	○	○	○	○	○	○	●
JS220NLC	3.00m (9ft 10in)	○	○	○	○	○	●	■
JS220SC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220SC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JS220SC	3.00m (9ft 10in)	○	○	○	○	○	○	○
JS220LC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JS220LC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JS220LC	3.00m (9ft 10in)	○	○	○	○	○	○	○

○ Material weight up to 2000kg/m³ (1.50t/yd³) ● Material weight up to 1800kg/m³ (1.35t/yd³) ■ Material weight up to 1500kg/m³ (1.1t/yd³)
 These recommendations are given as a guide based on typical operating conditions.
 Please contact your distributor for the correct selection of buckets and attachments to suit the application.

WORKING RANGE – JS220 NLC/SC/LC MONOBOOM



WORKING RANGE – JS220 NLC/SC/LC T.A.B.



WORKING RANGE – JS220 NLC/SC/LC MONOBOOM

Boom length 5.70m (18ft 8in)		1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
Dipper length				
A Maximum digging reach	m (ft-in)	8.89 (29-2)	9.34 (30-8)	9.87 (32-5)
B Maximum digging reach (on ground)	m (ft-in)	8.70 (28-7)	9.16 (30-1)	9.70 (31-10)
C Maximum digging depth	m (ft-in)	5.53 (18-2)	6.02 (19-9)	6.60 (21-8)
D Maximum digging height	m (ft-in)	8.95 (29-4)	9.20 (30-2)	9.40 (30-10)
E Maximum dumping height	m (ft-in)	6.31 (20-8)	6.53 (21-5)	6.75 (22-2)
F Maximum vertical wall cut depth	m (ft-in)	4.90 (16-1)	5.47 (17-11)	6.07 (19-11)
G Minimum swing radius	m (ft-in)	3.76 (12-4)	3.71 (12-2)	3.60 (11-10)
Bucket rotation	deg.	183°	183°	183°
Dipper tearout (ISO 6015)	kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
Dipper tearout with boost (ISO 6015)	kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)
Bucket tearout (ISO 6015)	kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket tearout with boost (ISO 6015)	kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)

WORKING RANGE – JS220 NLC/SC/LC T.A.B.

Boom length 5.70m (18ft 8in)		1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
Dipper length				
A Maximum digging reach	m (ft-in)	9.00 (29-6)	9.44 (31-0)	9.98 (32-9)
B Maximum digging reach (on ground)	m (ft-in)	8.81 (28-11)	9.26 (30-5)	9.81 (32-2)
C Maximum digging depth	m (ft-in)	5.29 (17-4)	5.77 (18-11)	6.35 (20-10)
D Maximum digging height	m (ft-in)	10.20 (33-6)	10.54 (34-7)	10.91 (35-10)
E Maximum dumping height	m (ft-in)	7.31 (24-0)	7.65 (25-1)	8.01 (26-3)
F Maximum vertical wall cut depth	m (ft-in)	4.04 (13-3)	4.54 (14-11)	5.12 (16-10)
G Minimum swing radius	m (ft-in)	2.50 (8-2)	2.55 (8-4)	2.29 (7-6)
Bucket rotation	deg.	183°	183°	183°
Dipper tearout (ISO 6015)	kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
Dipper tearout with boost (ISO 6015)	kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)
Bucket tearout (ISO 6015)	kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket tearout with boost (ISO 6015)	kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)

LIFT CAPACITIES – Dipper length: 1.9m, Monoboomb 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	4750			5720*	4620	6105
4.5m (14.9ft)			8020*	7030	6720*	4650			5700*	3770	6907
3.0m (9.10ft)			9870*	6550	7250	4470			5410	3380	7318
1.5m (4.11ft)			10850	6210	7060	4290			5230	3260	7406
0m			10720	6110	6950	4200			5420	3350	7182
- 1.5m (- 4.11ft)	13010*	11410	10750	6130	6940	4190			6080	3720	6614
- 3.0m (- 9.10ft)	12760*	11580	9650*	6270					7600*	4710	5596

LIFT CAPACITIES – Dipper length: 2.4m, Monoboomb 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	4840			4790*	3990	6767
4.5m (14.9ft)			7330*	7150	6290*	4710			4690	3360	7497
3.0m (9.10ft)			9230*	6680	7110*	4510	5240	3290	4800*	3060	7878
1.5m (4.11ft)			10820*	6290	7080	4320	5140	3200	4730	2950	7959
0m			10740	6120	6940	4190	5080	3150	4860	3020	7751
- 1.5m (- 4.11ft)	10850*	10850*	10710	6090	6900	4160			5340	3300	7229
- 3.0m (- 9.10ft)	14090*	11440	10270*	6180	6980	4230			6250	3980	6313
- 4.5m (- 14.9ft)			7500*	6440					6850	5960	4777

LIFT CAPACITIES – Dipper length: 3.0m, Monoboomb 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	4930			3210*	3210*	7382
4.5m (14.9ft)					5740*	4780	5190*	3410	3160*	3040	8056
3.0m (9.10ft)	11580*	11580*	8380*	6820	6630*	4560	5270	3310	3230*	2780	8411
1.5m (4.11ft)			10200*	6370	7120	4340	5150	3200	3430*	2690	8488
0m	6400*	6400*	10750	6120	6940	4180	5060	3120	3800*	2730	8293
- 1.5m (- 4.11ft)	10510*	10510*	10650	6040	6860	4110	5030	3090	4470*	2940	7807
- 3.0m (- 9.10ft)	15320*	11230	10700	6080	6880	4130			5600	3440	6969
- 4.5m (- 14.9ft)	12460*	11530	8920*	6250					6760*	4670	5619



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – Dipper length: 1.9m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	5250			5720*	5100	6105
4.5m (14.9ft)			8020*	7820	6720*	5140			5700*	4170	6907
3.0m (9.10ft)			9870*	7320	7340	4950			5480	3750	7318
1.5m (4.11ft)			10990	6980	7150	4780			5300	3610	7406
0m			10860	6870	7040	4680			5490	3720	7182
- 1.5m (- 4.11ft)	13010*	13010*	10890	6890	7040	4680			6160	4140	6614
- 3.0m (- 9.10ft)	12760*	12760*	9650*	7030					7600*	5250	5596

LIFT CAPACITIES – Dipper length: 2.4m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	5330			4790*	4400	6767
4.5m (14.9ft)			7330*	7330*	6290*	5200			4690*	3710	7497
3.0m (9.10ft)			9230*	7460	7110*	4990	5310	3640	4800*	3380	7878
1.5m (4.11ft)			10820*	7060	7180	4800	5210	3550	4790	3270	7959
0m			10880	6880	7040	4670	5150	3490	4930	3350	7751
- 1.5m (- 4.11ft)	10850*	10850*	10850	6860	7000	4640			5240	3670	7229
- 3.0m (- 9.10ft)	14090*	13140	10270*	6950	7080	4710			6610	4430	6313
- 4.5m (- 14.9ft)			7500*	7210					6850*	6660	4777

LIFT CAPACITIES – Dipper length: 3.0m, Monoboom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	5170*			3210*	3210*	7382
4.5m (14.9ft)					5740*	5270	5190*	3760	3160*	3160*	8056
3.0m (9.10ft)	11580*	11580*	8380*	7610	6630*	5050	5340	3670	3230*	3080	8411
1.5m (4.11ft)			10200*	7140	7210	4830	5220	3560	3430*	2990	8488
0m	6400*	6400*	10890	6880	7030	4660	5130	3470	3800*	3040	8293
- 1.5m (- 4.11ft)	10510*	10510*	10790	6800	6950	4590	5090	3440	4470*	3270	7807
- 3.0m (- 9.10ft)	15320*	12920	10770*	6840	6980	4610			5680	3820	6969
- 4.5m (- 14.9ft)	12460*	12460*	8920*	7020					6760*	5210	5619



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – Dipper length: 1.9m, Monoboomb 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
6.0m (19.8ft)					6380*	5800			5720*	5640	6105
4.5m (14.9ft)			8020*	8020*	6720*	5700			5700*	4610	6907
3.0m (9.10ft)			9870*	8200	7470*	5500			5980*	4160	7318
1.5m (4.11ft)			11210*	7840	8160	5320			6010	4010	7406
0m			11510*	7730	8050	5220			6230	4140	7182
- 1.5m (- 4.11ft)	13010*	13010*	11040*	7750	8040	5220			7010	4610	6614
- 3.0m (- 9.10ft)	12760*	12760*	9650*	7900					7600*	5850	5596

LIFT CAPACITIES – Dipper length: 2.4m, Monoboomb 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5230*	5230*	5547
6.0m (19.8ft)					5810*	5810*			4790*	4790*	6767
4.5m (14.9ft)			7330*	7330*	6290*	5750			4690*	4110	7497
3.0m (9.10ft)			9230*	8330	7110*	5540	6010	4040	4800*	3750	7878
1.5m (4.11ft)			10820*	7930	7930*	5340	5910	3950	5120*	3640	7959
0m			11480*	7740	8040	5220	5840	3890	5580	3730	7751
- 1.5m (- 4.11ft)	10850*	10850*	11300*	7720	8000	5180			6150	4080	7229
- 3.0m (- 9.10ft)	14090*	14090*	10270*	7810	7560*	5250			6980*	4930	6313
- 4.5m (- 14.9ft)			7500*	7500*					6850*	6850*	4777

LIFT CAPACITIES – Dipper length: 3.0m, Monoboomb 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC MONO

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					4350*	4350*			3440*	3440*	6285
6.0m (19.8ft)					5170*	5170*			3210*	3210*	7382
4.5m (14.9ft)					5740*	5740*	5190*	4160	3160*	3160*	8056
3.0m (9.10ft)	11580*	11580*	8380*	8380*	6630*	5600	5810*	4060	3230*	3230*	8411
1.5m (4.11ft)			10200*	8010	7560*	5370	5920	3950	3430*	3320	8488
0m	6400*	6400*	11240*	7740	8040	5210	5820	3860	3800*	3380	8293
- 1.5m (- 4.11ft)	10510*	10510*	11410*	7660	7960	5130	5790	3830	4470*	3650	7807
- 3.0m (- 9.10ft)	15320*	14880	10770*	7700	7980	5160			5790*	4260	6969
- 4.5m (- 14.9ft)	12460*	12460*	8920*	7890					6760*	5810	5619



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – Dipper length: 1.9m, T.A. Boom 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC T.A.B.

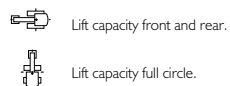
Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									6350*	6350*	4193
6.0m (19.8ft)			7250*	7250*					5890	5170	5715
4.5m (14.9ft)	11970*	11970*	8350*	7170	7030*	4690			5960*	4080	6565
3.0m (9.10ft)			9980*	6630	7320	4480			5800	3590	6998
1.5m (4.11ft)			10920	6210	7090	4280			5570	3420	7089
0m			10710	6030	6940	4150			5760	3500	6855
- 1.5m (- 4.11ft)	13950*	11140	10660*	6020	6920	4130			6530	3920	6256
- 3.0m (- 9.10ft)			8840*	6160					7590*	5130	5167

LIFT CAPACITIES – Dipper length: 2.4m, T.A. Boom 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									5300*	5300*	5080
6.0m (19.8ft)			6580*	6580*	6250*	4890			4890*	4400	6391
4.5m (14.9ft)	10330*	10330*	7710*	7320	6600*	4760			4850*	3610	7160
3.0m (9.10ft)			9400*	6780	7320*	4540			5040*	3230	7558
1.5m (4.11ft)			10830*	6310	7130	4310	5250	3270	5010	3090	7643
0m	6700*	6700*	10740	6060	6950	4160			5140	3140	7426
- 1.5m (- 4.11ft)	13480*	11020	10660	6000	6880	4090			5690	3450	6879
- 3.0m (- 9.10ft)	13060*	11200	9630*	6070					7040*	4250	5907

LIFT CAPACITIES – Dipper length: 3.0m, T.A. Boom 5.7m, Trackshoes: 500mm, No bucket.
JS220 NLC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)									3530*	3530*	5811
6.0m (19.8ft)					5440*	5010			3320*	3320*	6984
4.5m (14.9ft)			6870*	6870*	6070*	4860	4120*	3420	3300*	3270	7694
3.0m (9.10ft)	13270*	12630	8620*	6960	6860*	4610	5310	3320	3430*	2960	8065
1.5m (4.11ft)	6990*	6990*	10290*	6430	7180	4360	5170	3190	3710*	2830	8145
0m	8570*	8570*	10790	6090	6960	4160	5060	3090	4220*	2860	7942
- 1.5m (- 4.11ft)	12600*	10880	10620	5950	6840	4060			5070	3080	7433
- 3.0m (- 9.10ft)	14500*	11000	10290*	5970	6850	4070			6070	3650	6545
- 4.5m (- 14.9ft)			7870*	6150					6750*	5230	5082



- Notes:**
1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
 2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
 3. Lift capacities assume that the machine is on firm, level ground.
 4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – Dipper length: 1.9m, T.A. Boom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									6350*	6350*	4193
6.0m (19.8ft)			7250*	7250*					5890*	5710	5175
4.5m (14.9ft)	11970*	11970*	8350*	7980	7030*	5190			5960*	4510	6565
3.0m (9.10ft)			9980*	7420	7410	4980			5870	3990	6998
1.5m (4.11ft)			11060	6990	7180	4770			5640	3800	7089
0m			10850	6800	7040	4640			5830	3900	6855
- 1.5m (- 4.11ft)	13950*	12840	10660*	6790	7010	4620			6620	4380	6256
- 3.0m (- 9.10ft)			8840*	6930					7590*	5750	5167

LIFT CAPACITIES – Dipper length: 2.4m, T.A. Boom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									5300*	5300*	5080
6.0m (19.8ft)			6580*	6580*	6250*	5390			4890*	4850	6391
4.5m (14.9ft)	10330*	10330*	7710*	7710*	6600*	5260			4850*	3990	7160
3.0m (9.10ft)			9400*	7580	7320*	5040	5320	3630	5040*	3580	7558
1.5m (4.11ft)			10830*	7090	7220	4810	5220	3530	5070	3430	7643
0m	6700*	6700*	10890	6830	7040	4640			5210	3500	7426
- 1.5m (- 4.11ft)	13480*	12720	10810	6760	6970	4580			5760	3850	6879
- 3.0m (- 9.10ft)	13060*	12920	9630*	6840					7040*	4750	5907

LIFT CAPACITIES – Dipper length: 3.0m, T.A. Boom 5.7m, Trackshoes: 600mm, No bucket.
JS220 SC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									3530*	3530*	5811
6.0m (19.8ft)					5440*	5440*			3320*	3320*	6984
4.5m (14.9ft)			6870*	6870*	6070*	5360	4120*	3780	3300*	3300*	7694
3.0m (9.10ft)	13270*	13270*	8620*	7760	6860*	5110	5380	3670	3430*	3280	8065
1.5m (4.11ft)	6990*	6990*	10290*	7210	7280	4850	5240	3550	3710*	3140	8145
0m	8570*	8570*	10930	6860	7050	4650	5130	3440	4220*	3180	7942
- 1.5m (- 4.11ft)	12600*	12570	10760	6720	6940	4540			5140	3440	7433
- 3.0m (- 9.10ft)	14500*	12710	10290*	6740	6950	4550			6150	4080	6545
- 4.5m (- 14.9ft)			7870*	6930					6750*	5870	5082



Lift capacity front and rear.



Lift capacity full circle.

Notes:

- For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
- Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- Lift capacities assume that the machine is on firm, level ground.
- Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – Dipper length: 1.9m, T.A. Boom 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									6350*	6350*	4193
6.0m (19.8ft)			7250*	7250*					5890*	5890*	5715
4.5m (14.9ft)	11970*	11970*	8350*	8350*	7030*	5750			5960*	5000	6565
3.0m (9.10ft)			9980*	8310	7650*	5530			6360*	4430	6998
1.5m (4.11ft)			11160*	7860	8210	5320			6410	4240	7089
0m			11340*	7670	8060	5190			6650	4350	6855
- 1.5m (- 4.11ft)	13950*	13950*	10660*	7660	7960*	5170			7550	4900	6256
- 3.0m (- 9.10ft)			8840*	7800					7590*	6440	5167

LIFT CAPACITIES – Dipper length: 2.4m, T.A. Boom 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									5300*	5300*	5080
6.0m (19.8ft)			6580*	6580*	6250*	5950			4890*	4890*	6391
4.5m (14.9ft)	10330*	10330*	7710*	7710*	6600*	5820			4850*	4420	7160
3.0m (9.10ft)			9400*	8470	7320*	5590	5520*	4030	5040*	3980	7558
1.5m (4.11ft)			10830*	7970	8020*	5360	5920	3930	5490*	3820	7643
0m	6700*	6700*	11360*	7700	8060	5190			5920	3910	7426
- 1.5m (- 4.11ft)	13480*	13480*	11000*	7630	7990	5130			6570	4290	6879
- 3.0m (- 9.10ft)	13060*	13060*	9630*	7710					7040*	5310	5907

LIFT CAPACITIES – Dipper length: 3.0m, T.A. Boom 5.7m, Trackshoes: 700mm, No bucket.
JS220 LC T.A.B.

Reach	3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
7.5m (24.7ft)									3530*	3530*	5811
6.0m (19.8ft)					5440*	5440*			3320*	3320*	6984
4.5m (14.9ft)			6870*	6870*	6070*	5920	4120*	4120*	3300*	3300*	7694
3.0m (9.10ft)	13270*	13270*	8620*	8620*	6860*	5670	5780*	4080	3430*	3430*	8065
1.5m (4.11ft)	6990*	6990*	10290*	8090	7680*	5400	5940	3950	3710*	3500	8145
0m	8570*	8570*	11190*	7740	8080	5200	5830	3840	4220*	3550	7942
- 1.5m (- 4.11ft)	12600*	12600*	11200*	7590	7950	5090			5160*	3840	7433
- 3.0m (- 9.10ft)	14500*	14500*	10290*	7610	7600*	5100			6730*	4560	6545
- 4.5m (- 14.9ft)			7870*	7800					6750*	6580	5082



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quickhitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.



STANDARD EQUIPMENT

Isuzu 4KH1X 128kW common rail, turbocharged intercooled direct injection EU Stage III and EPA Tier 3 compliant engine
Dual element type air cleaner with in-cab warning system
Automatic fuel system de-aeration
Automatic engine warm-up system
Engine overheat prevention/warning system
Automatic engine deceleration/idle function
AMS machine monitor system
4 selectable work modes – Auto, Economy, Lifting, Precision
Remote engine oil level check
Plexus filtration system
Servo oil filtration system
Dual fuel intake filters with additional water separator
3 speed travel system
Auto operator cab – Pressurised; Tinted safety glass with sun visor; Opening front window with integrated lower glass storage; Operator storage shelf with cargo net; Ashtray and cigarette/mobile phone charger socket; Mobile phone holder; Radio mute switch; Courtesy light; Heater and demister; Removable floor mat.
High back suspension seat
Overload warning device
Horn
Upper and lower underguarding
Lockable service doors and engine cover
Frame mounted toolbox
Remote greasing for slew bearing
Electric refuelling pump
Handrails with non-slip walkways
Boom and mainframe mounted worklights
Toolkit
Quick connect engine oil drain
Remote mounted easy access filters
Cushion control
Operators manual

OPTIONAL EQUIPMENT

SC, LC and NLC undercarriages
500, 600, 700, 800 and 900mm triple grouser track plates
Monoboom or T.A.B.
1.91m, 2.4m and 3.0m dippers
Auxiliary pipework (full and lowflow)
Hose burst check valves
Tipping link mounted lift points
FOPS (Level II) protection system
Mesh screen guard
Additional worklights
ISO 63 or ISO 32 hydraulic oils
Bio oil
Lower wiper
Rain visor (not available with FOPS protection or mesh screen guard)
Climate control
Heated and suspension high backed seat
Radio
Fire extinguisher
Widcore radiator
Visibowl or Turbo II precleaner
P3 or carbon cab air intake filter
Travel alarm
Quickhitch pipework
JCB buckets or attachments

NB: Long Reach option available – please ask your dealer for more information.







JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP. Tel: +44 (0)1889 590312 Email: salesinfo@jcb.com
Download the very latest information on this product range at: www.jcb.com

©2009 JCB Sales. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB Sales.
JCB reserves the right to change specifications without notice. Illustrations and specifications shown may include optional equipment and accessories. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.

