# **TRACKED EXCAVATOR** | JS160/180/190 NLC/LC

Engine power: 93kW (125hp)  Bucket capacity: 0.25 – 0.99m³  Operating weight: 17,235 – 21,225kg

JCB

# STRENGTH INSIDE AND OUT.

## BEFORE YOU BUY AN EXCAVATOR, YOU NEED TO KNOW IT'S GOING TO BE TOUGH ENOUGH TO PERFORM ANY JOB YOU ASK OF IT. FORTUNATELY, WITH A JCB JS160/180/190, STRENGTH AND DURABILITY COME AS STANDARD.


We use Finite Element Analysis with extensive rig and endurance testing to make key components last longer.

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### Boom and dipper.

1 A JCB JS160/180/190's reinforced boom and dipper is made of high tensile strength steel, with single piece wrapper plates and internal baffle plates for long life durability.

2 Our advanced manufacturing and assembly processes produce high precision and quality assembled components.

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### Componentry.

3 Our engine technology is tried and proven; we've built 200,000 DIESELMAX units since 2004. To ensure similar longevity, the JS160/180/190's EcoMAX T4 Final engine has been tested for 110,000 hours in 70 different machines across the toughest applications and environments.

4 JCB JS160/180/190's boast the best components in the industry, including Berco running gear, Kawasaki pumps, Kayaba valve blocks and JCB EcoMAX engines.

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**The JCB JS160/180/190 turret is welded to both the upper and lower undercarriage frame.**

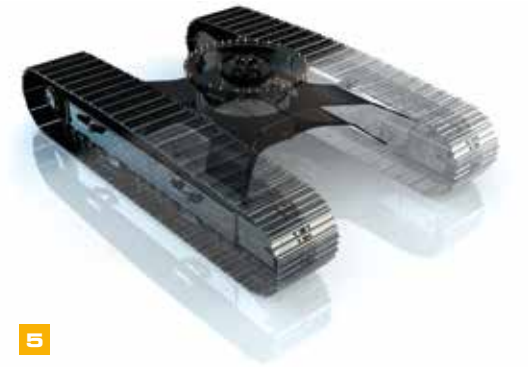
## Structural strength.

5 The high-strength undercarriage of a JCB JS160/180/190 uses a fully-welded X frame construction for long-term durability even in the most demanding applications.

6 A closed box section revolving frame increases strength and reduces stress. It's also highly resistant to impact damage.

7 The 160/180/190's high-strength rigid upper frame provides maximum durability and support.

8 Our stiff, durable door design gives great strength and rigidity.



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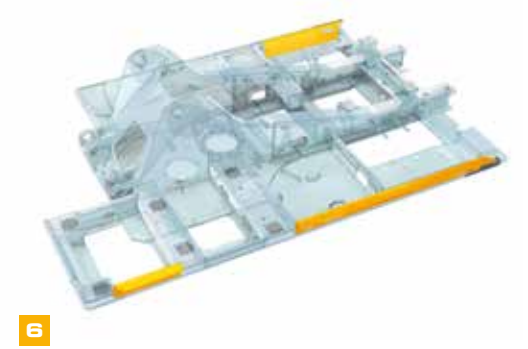

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# MAXIMUM PRODUCTIVITY, MINIMUM SPEND.

## SAVING MONEY AND TIME IS MORE IMPORTANT THAN EVER, SO WE'VE MADE SURE THE NEW JCB JS160/180/190'S COMPONENTRY – INCLUDING THE ECOMAX T4F ENGINE – WORKS IN PERFECT HARMONY. IN TURN, YOU GET A MACHINE THAT'S AS EFFICIENT AND PRODUCTIVE AS POSSIBLE.

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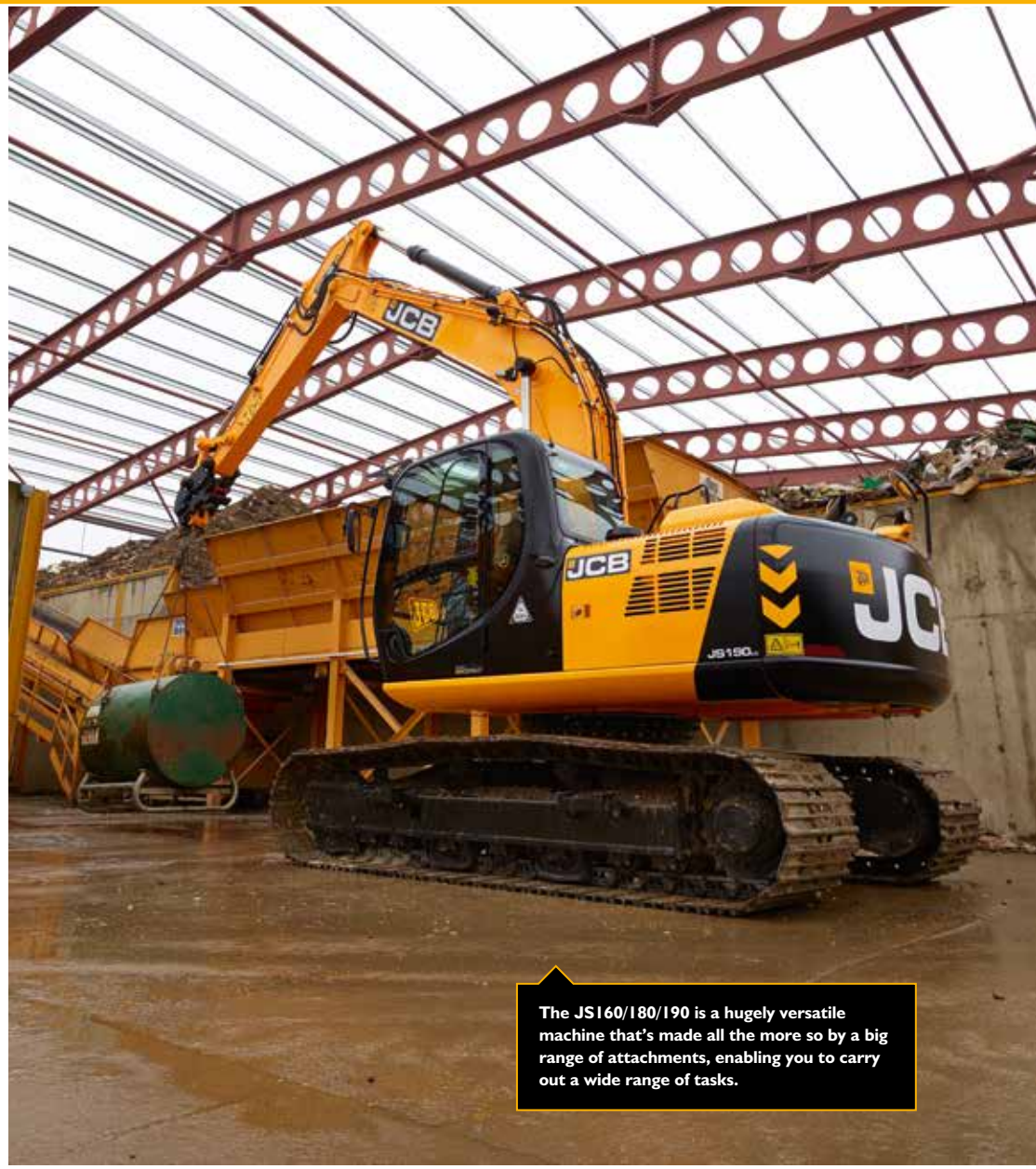
### Versed in versatility.

1 JCB's quickhitch system makes attachment changing fast and easy, and is purpose-designed for the JS range.

For ultra versatility, JCB offers a full list of auxiliary pipework options including hammer, auxiliary, and low flow.

2 The JS160/180/190 can also be fitted with a range of track shoe options. These span from 500mm to 900mm, and ensure your excavator is perfectly tailored to its application and the demands placed on it.




**The JS160/180/190 is a hugely versatile machine that's made all the more so by a big range of attachments, enabling you to carry out a wide range of tasks.**

## Upping output.

4 Simultaneous tracking and excavating is smooth and fast with an intuitive multifunction operation.

5 A JCB JS160/180/190 has a solid, stable work platform for fast cycle times.

6 With a massive 116.1 kNm bucket tearout and fast cycle times, the JS160/180/190 is extremely productive in all applications.

7 JCB's innovative hydraulic regeneration system means oil is recycled across the cylinders for faster cycle times and reduced fuel consumption.

## The efficient excavator.

8 JCB's new EcoMAX T4 Final engine uses less fuel than our Tier 4i units, saving you money. This is partly due to the fact that EcoMAX produces high torque at just 1500 –1600 rpm, making for improved fuel-efficient matching of the hydraulics.

9 To reduce noise pollution from unnecessary air flow, the JS160/180/190's engine-driven cooling fan has a proportional control system, maintaining optimum fan speed.

10 The JS160/180/190's variable power bands allow you to tailor performance – and therefore economy – to specific tasks.


**To save fuel, JCB Auto-Idle technology automatically reduces engine speed when hydraulics aren't in use. To optimise fuel efficiency still further, the JS160/180/190 benefits from advanced hydraulic technology, including optimised hydraulic pump settings, advanced spool design, and cutting edge electronic management software.**

**UNEARTHED: KEY FACT**
**A JCB JS160/180/190 has cushioned boom and dipper ends to prevent shock loadings, protect your machine and increase operator comfort.**



# A COMFORTABLE FAVOURITE.

## JCB EXCAVATORS ARE DESIGNED AROUND THE OPERATOR. THAT'S GOOD FOR THEM BUT EVEN BETTER FOR YOU; AFTER ALL, GREAT COMFORT AND EASE OF USE EQUALS GREAT PRODUCTIVITY.


### Visibly better.

1 A 70/30 front screen split gives JCB JS160/180/190's excellent front visibility. A clear view of the front right track provides easy, safe trench digging and manoeuvring.

2 An innovative low-level bonnet provides excellent rearward visibility.

### Comfortably in control.

3 The 7" colour multi-function display is easy to read in all light conditions, provides instant operational information, and has a customisable home screen.

The 160/180/190's Advanced Tool Select feature can set up auxiliary hydraulic circuits quickly and accurately to match flow and pressure requirements of an attachment. Up to 10 tool settings can be stored for quick and easy attachment changes.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## The working environment.

4 The JS160/180/190 creates a quieter working environment inside and out. Because we've reduced noise levels to 72dB(A) inside and 99dB(A) outside, you can use the machine at any location, any time.

JCB JS160/180/190 cabs use 6 viscous rubber mounts to minimise noise and vibration.

The positive pressure cab keeps out dirt and dust.

5 JCB's climate control option offers a precisely controlled cab temperature with fresh or recirculated air. Demisting/defrosting functions keep a JS160/180/190's front window clear.

6 There's a spacious luggage tray behind the operator's seat.

7 A large floor area with large high grip pedals gives easy and precise tracking.

**The JS160/180/190's cab and controls are independently adjustable so that it's easy to find the perfect operating position.**

**We offer tailored seating options to suit many different applications.**

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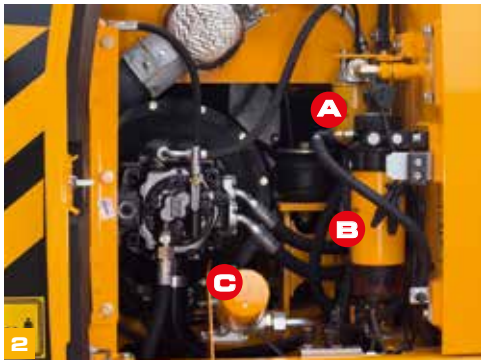
# LESS SERVICING, MORE SERVICE.

## WE'VE DESIGNED THE JCB JS160/180/190 TO BE LOW MAINTENANCE AND EASILY SERVICEABLE. THIS MAKES IT AFFORDABLE, EFFICIENT AND HIGHLY PRODUCTIVE, HELPING YOU GET THE BEST SERVICE FROM YOUR MACHINE.


By using graphite impregnated bronze bushes, we've reduced the JS160/180/190's boom and dipper greasing intervals to 1000 hours for normal applications.


(A) Hydraulics oil filter (B) Fuel filter (C) Engine oil filter

### Easy does it.

1 The air filter on a JS160/180/190 is easily accessible, and a double-element construction simplifies cleaning.

2 The filters on a JS160/180/190 (engine oil, hydraulic oil and fuel) are centrally located for fast, easy servicing.

3 Because they're mounted side by side on a JCB JS160/180/190, the engine radiator, hydraulic cooler and intercooler can be serviced individually yet cleaned easily.

| | SERVICE INTERVALS |
|---|---|
| Engine oil and oil filter | Every 500 hours |
| Hydraulic oil | Every 5000 hours |
| Hydraulic oil filter | Every 1000 hours |

## Here to help.

4 Because the EcoMAX engine doesn't need exhaust after treatment, it doesn't require costly heat-resistant lube oils. Unlike most Tier 4 engines, JCB EcoMAX doesn't use SCR, saving you additional running costs.

Our innovative recalibration option allows EcoMAX to run on lower grade fuels. This means the JS160/180/190 can be resold across different territories, which improves residuals.

5 We've eliminated the need for a visibowl style pre-cleaner on the JS160/180/190 with our optional new scavenger filtration system. This uses suction from the cooling fan to remove heavier particles from the induction system.

6 JCB's In-Cab Monitor checks engine oil levels, coolant, and system errors on start-up.

7 JCB meets the latest EPA Tier 4 Final/Stage IV emissions legislation without the use of a DPF (Diesel Particulate Filter). The Diesel exhaust fluid (DEF) tank can be easily accessed via the new revised step layout on the upper structure.

**UNEARTHED: KEY FACT**
**JCB JS160/180/190 grease points are centralised for safe and easy access to high level pivots.**


**JCB JS160/180/190 bonnets open and close easily with gas-assisted cylinders, and the service bays are large and wide for good access.**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# THE SAFE CHOICE.

## ON-SITE SAFETY IS CRUCIAL, SO WE'VE DESIGNED THE JCB JS160/180/190 TO INCORPORATE AS MANY CUTTING EDGE SAFEGUARDS AS POSSIBLE. IN SHORT, YOUR OPERATORS ARE IN SAFE HANDS.

We've fitted as standard a bulk head heat shield between the pumps and the engine to guard against heat and noise.



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1 The JS160/180/190 bonnet opens front-to-rear for easy and safe engine service access.

2 For extra peace of mind, JCB JS160/180/190 cabs are available with an integral Rollover Protection Structure (ROPS). It's also easy to fit JCB's Falling Objects Protection Structure (FOPS), thanks to standard fitment mounting brackets.

3 JCB's Safety Level Lock fully isolates hydraulic functions to avoid unintended movements. Our 2GO system means a JCB JS160/180/190 can only be started in a safe locked position via two separate inputs.

4 JCB JS160/180/190's have a large glass area and low bonnet line for superb visibility.

5 A JCB JS160/180/190's steps and platforms have anti-slip punched steel plates for optimum grip, even in wet or icy conditions. Bolt-on plates have recessed bolts to reduce trip hazards.

6 Our standard rear view and optional side view camera display uninterrupted rear and sideway views on the smart controller display.


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HYDRAULIC • ISOLATION • SYSTEM • 2GO

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**7** Your JS160/180/190 is equipped with a full set of side and rear view mirrors for all round visibility and safety compliance.

**8** There's no need to climb onto the JS160/180/190 to check oil levels; all routine servicing can be done from ground level.

**9** Optional safety rails protect operators from falls when they're on the upper structure of the JS160/180/190.

**10** The JS160/180/190's optional beacons can improve on-site safety still further.

**11** Choose LED work lights for an even better field of vision on the JS160/180/190.

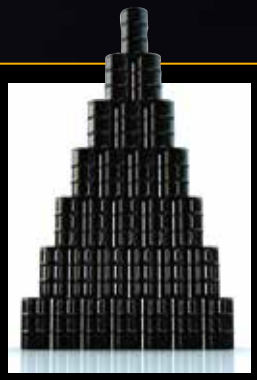



# LIVELINK, WORK SMARTER.

**LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO FUEL REPORTS AND HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.**

## Productivity and cost benefits

By providing information like idle time monitoring and machine fuel consumption, JCB Livelink helps reduce your fuel usage, saving money and improving productivity. Machine location information can help improve efficiency and perhaps even reduce insurance costs.



## Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.


## Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information, advanced ECU matching (pairs Livelink with the immobiliser or ECU).

# VALUE ADDED.

## JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.

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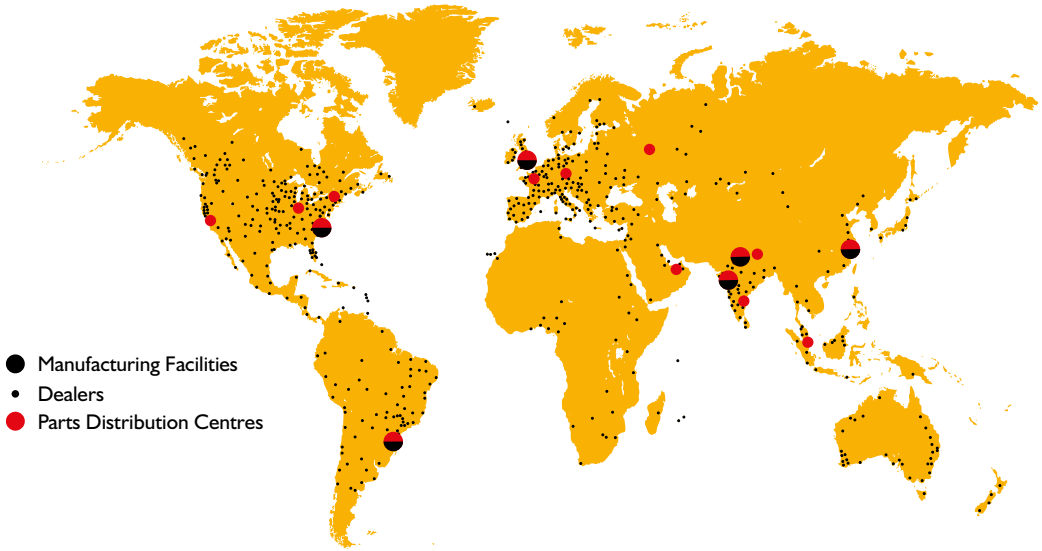
1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

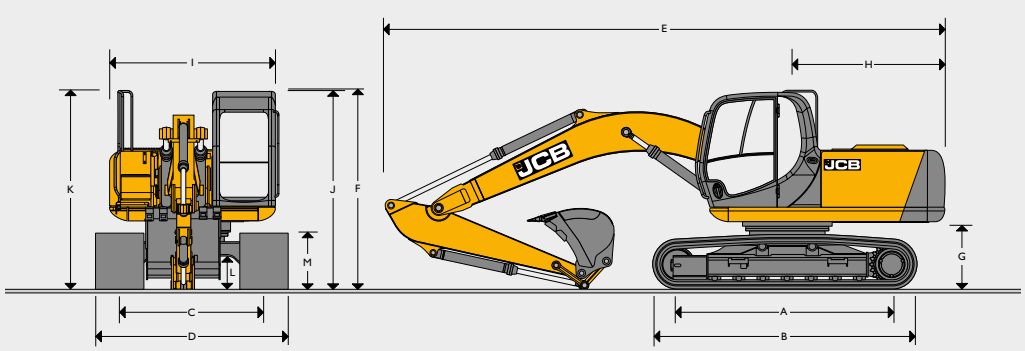
2 The global network of JCB Parts Centres is another model of efficiency; with 16 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.

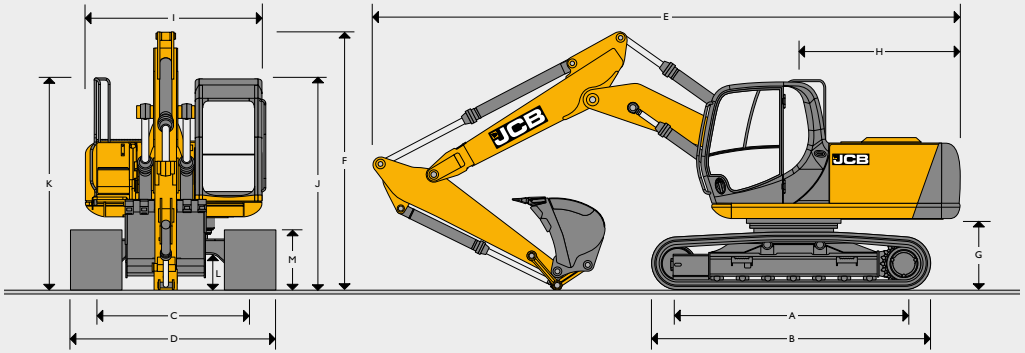
3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.




*Note: JCB LIVELINK and JCB ASSETCARE may not be available in your region, so please check with your local dealer.*

## STATIC DIMENSIONS




## STATIC DIMENSIONS

| Dimensions in mm | | JS160 | | | | | | JS180 | | | | | | JS190 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NLC | | | LC | | | NLC | | | LC | | | NLC | | | LC | | |
| A | Track length on ground | 3090 | | | 3090 | | | 3370 | | | 3370 | | | 3370 | | | 3370 | | |
| B | Undercarriage overall length | 3940 | | | 3940 | | | 4170 | | | 4170 | | | 4170 | | | 4170 | | |
| C | Track gauge | 1990 | | | 2200 | | | 1990 | | | 2170 | | | 1990 | | | 2170 | | |
| D | Width over tracks (500mm trackshoes) | 2490 | | | – | | | 2490 | | | – | | | 2490 | | | – | | |
| D | Width over tracks (600mm trackshoes) | 2590 | | | 2800 | | | 2590 | | | 2770 | | | 2590 | | | 2770 | | |
| D | Width over tracks (700mm trackshoes) | 2690 | | | 2900 | | | 2690 | | | 2870 | | | 2690 | | | 2870 | | |
| D | Width over tracks (800mm trackshoes) | – | | | 3000 | | | – | | | 2970 | | | – | | | 2970 | | |
| D | Width over tracks (900mm trackshoes) | – | | | 3100 | | | – | | | – | | | – | | | – | | |
| Boom options | | Monoboom 5.15m | | | T.A.B. 5.35m | | | Monoboom 5.15m | | | T.A.B. 5.35m | | | Monoboom 5.15m | | | T.A.B. 5.35m | | |
| **Dipper lengths** | | **2.25m** | **2.7m** | **3.05m** | **2.25m** | **2.7m** | **3.05m** | **2.25m** | **2.7m** | **3.05m** | **2.25m** | **2.7m** | **3.05m** | **2.25m** | **2.7m** | **3.05m** | **2.25m** | **2.7m** | **3.05m** |
| E | Transport length | 8338 | 8298 | 8388 | 8624 | 8646 | 8616 | 8366 | 8326 | 8415 | 8652 | 8674 | 8644 | 8366 | 8326 | 8415 | 8611 | 8666 | 8636 |
| F | Transport height | 3140 | 3140 | 3140 | 3140 | 3140 | 3140 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 | 3162 |
| Dimensions in mm | | | | | | | | | | | | | | | | | | | |
| G | Counterweight clearance | 1050 | | | | | | 1072 | | | | | | 1072 | | | | | |
| H | Tailswing radius | 2338 | | | | | | 2338 | | | | | | 2338 | | | | | |
| I | Width of superstructure | 2470 | | | | | | 2470 | | | | | | 2470 | | | | | |
| J | Height over cab | 2965 | | | | | | 2987 | | | | | | 2987 | | | | | |
| K | Height over grab rail | 3140 | | | | | | 3162 | | | | | | 3162 | | | | | |
| L | Ground clearance | 470 | | | | | | 486 | | | | | | 486 | | | | | |
| M | Track height | 880 | | | | | | 885 | | | | | | 885 | | | | | |

| ENGINE | |
|---|---|
| Model | JCB EcoMAX 444 TCA EU Stage IIIB EPA Tier 4 compliant |
| Type | 4-stroke, 4-cylinder in-line, common rail, direct injection, turbocharged and intercooled diesel |
| Rated power (net) | 93kW (125hp) at 2200rpm |
| Piston Displacement | 4.4 litres |
| Air Filtration | Dry element with secondary safety element and in cab warning indicator |
| Starting system | 24 volt |
| Batteries | 2 x 12 volt |
| Alternator | 24 volt 55 ampere |

| SWING SYSTEM | |
|---|---|
| Swing motor | Axial piston type |
| Swing brake | Hydraulic braking plus automatic spring applied disc type parking brake |
| Swing torque | 35 kNm |
| Swing speed | 10.4 rpm |
| Swing gear | Large diameter, internally toothed fully sealed grease bath lubricated |

| UNDERCARRIAGE | | | | | |
|---|---|---|---|---|---|
| Carriage options | NLC – Narrow long carriage and LC – Long carriage | | | | |
| Construction | Fully welded, 'X' frame type with central bellyguarding and sloping sidemembers with dirt relief holes under top rollers. | | | | |
| Recovery point | Front and rear | | | | |
| Track shoes | 500mm | 600mm | 700mm | 800mm | 900mm |
| JS160 NLC (LC) | ● (❑) | ● (❑) | ● (❑) | ● (❑) | ● (❑) |
| JS180 NLC (LC) | ● | ● (❑) | ● (❑) | (❑) | |
| JS190 NLC (LC) | ● | ● (❑) | ● (❑) | (❑) | |
| Upper & lower rollers | Heat treated, sealed and lubricated | | | | |
| Track adjustment | Grease cylinder type | | | | |
| Track idler | Sealed and lubricated, with spring cushioned recoil | | | | |
| Track type | Sealed and lubricated | | | | |
| Rollers and Shoes (each side) | JS160 | JS180 | JS190 | | |
| Track guides | 1 | 2 | 2 | | |
| Lower rollers | 7 | 7 | 7 | | |
| Upper rollers | 2 | 2 | 2 | | |
| Track shoes | 43 | 46 | 46 | | |

● Triple grouser (NLC) ❑ Triple grouser (LC)

| HYDRAULIC SYSTEM | |
|---|---|
| Open centered, negative control hydraulic system with twin variable flow piston pumps providing flow-on-demand | |
| **Pumps** | |
| Main pumps | 2 variable displacement axial piston type |
| Maximum flow | 2 x 164 L/min |
| Servo pump | Gear type |
| Maximum flow | 20.5 L/min |
| **Control valve** | |
| A combined ten spool control valve with auxiliary service spool as standard | |
| **Relief valve settings** | |
| Boom/Arm/Bucket | 314 bar |
| With power boost | 343 bar |
| Swing circuit | 279 bar |
| Travel circuit | 343 bar |
| Pilot control | 40 bar |
| **Filtration** | |
| In tank | 150 micron, suction strainer |
| Main return line | 10 micron, glass fibre element |
| Pilot line | 10 micron, paper element |
| Hydraulic hammer return | 10 micron, reinforced microform element |

| TRACK DRIVE | | | |
|---|---|---|---|
| Type | Fully hydrostatic, two speed with autoshift between high and low speed | | |
| Travel motors | Variable swash axial piston type, fully guarded within undercarriage frame | | |
| Final drive | Planetary reduction, bolt-on sprockets | | |
| Service brake | Hydraulic counter balance valve | | |
| Park brake | Disc type, spring applied, automatic hydraulic release | | |
| Gradeability | 70% (35 deg) continuous | | |
| Travel speed | JS160 | JS180 | JS190 |
| | High – 5.5 kph | High – 5.5 kph | High – 4.2 kph |
| | Low – 3.2 kph | Low – 3.2 kph | Low – 2.4 kph |
| Tractive effort | 167 kNm | 167 kNm | 223.5 kNm |

| SERVICE CAPACITIES | | |
|---|---|---|
| Fuel tank | litres | 220 |
| Engine coolant | litres | 19.7 |
| Engine oil | litres | 20.4 |
| Swing reduction gear | litres | 6.0 |
| Track reduction gear (each side) | litres | 4.4 |
| Hydraulic system | litres | 142 |
| Hydraulic tank | litres | 73.0 |
| DEF fluid capacity | litres | 54.0 |

| WEIGHTS AND GROUND BEARING PRESSURES | | | | | | |
|---|---|---|---|---|---|---|
| | | 500mm shoes | 600mm shoes | 700mm shoes | 800mm shoes | 900mm shoes |
| **JS160 NLC/LC MONO** – Machine equipped with 5.15m Monoboom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 17235 | 17538 | 17774 | 18038 | 18436 |
| Ground bearing pressure | kg/cm² | 0.56 | 0.47 | 0.41 | 0.36 | 0.33 |
| **JS160 NLC/LC T.A.B.** – Machine equipped with 5.35m T.A.B. boom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 17999 | 18302 | 18538 | 18802 | 19200 |
| Ground bearing pressure | kg/cm² | 0.58 | 0.49 | 0.45 | 0.38 | 0.34 |
| **JS180 NLC MONO** – Machine equipped with 5.15m Monoboom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 18336 | - | - | - | - |
| Ground bearing pressure | kg/cm² | 0.54 | - | - | - | - |
| **JS180 LC MONO** – Machine equipped with 5.15m Monoboom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | - | 18897 | 19150 | 19438 | - |
| Ground bearing pressure | kg/cm² | - | 0.47 | 0.41 | 0.36 | - |
| **JS180 NLC T.A.B.** – Machine equipped with 5.35m T.A.B. boom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 19200 | - | - | - | - |
| Ground bearing pressure | kg/cm² | 0.57 | - | - | - | - |
| **JS180 LC T.A.B.** – Machine equipped with 5.35m T.A.B. boom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | - | 19661 | 19914 | 20202 | - |
| Ground bearing pressure | kg/cm² | - | 0.49 | 0.42 | 0.37 | - |
| **JS190 NLC MONO** – Machine equipped with 5.15m Monoboom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 19658 | 19911 | - | - | - |
| Ground bearing pressure | kg/cm² | 0.58 | 0.49 | - | - | - |
| **JS190 LC MONO** – Machine equipped with 5.15m Monoboom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | - | 19961 | 20197 | 20461 | - |
| Ground bearing pressure | kg/cm² | - | 0.49 | 0.43 | 0.38 | - |
| **JS190 NLC T.A.B.** – Machine equipped with 5.35m T.A.B. boom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | 20422 | 20675 | - | - | - |
| Ground bearing pressure | kg/cm² | 0.60 | 0.51 | - | - | - |
| **JS190 LC T.A.B.** – Machine equipped with 5.35m T.A.B. boom, 3.05m Dipper, 0.9m³ Bucket, operator and full fuel tank. | | | | | | |
| Machine weight | kg | - | 20725 | 20961 | 21225 | - |
| Ground bearing pressure | kg/cm² | - | 0.51 | 0.44 | 0.39 | - |

| BUCKET AND ARM COMBINATION - MONOBOOM | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bucket options | | GP Bucket | | | | | | HD Bucket | | | |
| Bucket width | mm | 450 | 600 | 700 | 1000 | 1200 | 1300 | 600 | 1000 | 1200 | 1300 |
| Bucket capacity | m³ | 0.25 | 0.38 | 0.42 | 0.70 | 0.91 | 0.99 | 0.38 | 0.70 | 0.91 | 0.99 |
| Bucket weight | kg | 411 | 448 | 493 | 577 | 645 | 673 | 442 | 594 | 675 | 708 |
| JS160 NLC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | ● (■) | ❑ (❑) | ■ (❑) | ● (■) | X (●) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | X (●) | X (●) | ❑ (❑) | ● (❑) | X (●) | X (●) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ● (■) | X (●) | X (●) | ❑ (❑) | ● (■) | X (●) | X (X) |
| JS160 LC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ● (■) | ● (■) | ❑ (❑) | ■ (❑) | ● (■) | ● (■) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ● (❑) | X (●) | X (●) | ❑ (❑) | ● (❑) | X (●) | X (●) |
| JS180 NLC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ● (■) | ● (■) | ❑ (❑) | ■ (❑) | ● (■) | ● (■) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | X (●) | ❑ (❑) | ● (❑) | X (●) | X (●) |
| JS180 LC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ● (■) | ● (■) | ❑ (❑) | ❑ (❑) | ● (■) | ● (■) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | X (●) | ❑ (❑) | ● (❑) | X (●) | X (●) |
| JS190 NLC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ■ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ■ (❑) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | X (●) | ❑ (❑) | ■ (❑) | X (●) | X (●) |
| JS190 LC | | | | | | | | | | | |
| 2.25m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) |
| 2.70m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) |
| 3.05m Quickhitch (No Quickhitch) | | ❑ (❑) | ❑ (❑) | ❑ (❑) | ■ (❑) | ● (■) | X (●) | ❑ (❑) | ■ (❑) | X (●) | X (●) |

❑ = Suitable for general excavating (materials up to 2000kg/cu.m)

■ = Suitable for light excavating (materials up to 1600kg/cu.m.)

● = Suitable for grading and loading (materials up to 1200kg/cu.m)

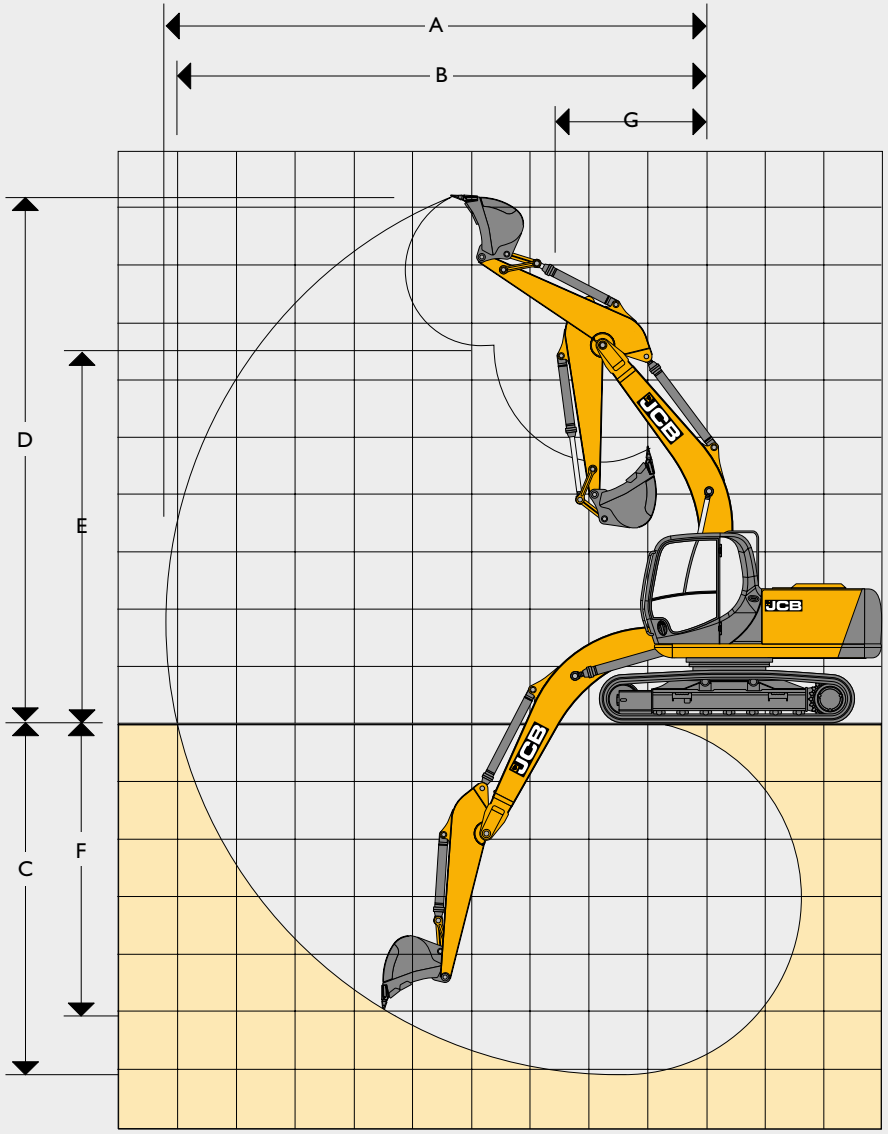
**X** = Not warranted

* Bucket capacity recommendations calculated for Monoboom only.

| WORKING RANGE - JS160 NLC/LC MONOBOOM 5.15M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.70m | 3.05m |
| A | Maximum digging reach | mm | 8507 | 8514 | 8514 |
| B | Maximum digging reach (on ground) | mm | 8326 | 8368 | 8368 |
| C | Maximum digging depth | mm | 5482 | 5799 | 5799 |
| D | Maximum digging height | mm | 8863 | 9398 | 9398 |
| E | Maximum dumping height | mm | 6535 | 7048 | 7048 |
| F | Maximum vertical wall cut depth | mm | 4912 | 5229 | 5229 |
| G | Minimum swing radius | mm | 3000 | 3000 | 3000 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 85.8 | 85.8 | 85.8 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |

| WORKING RANGE - JS180 NLC/LC MONOBOOM 5.15M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.70m | 3.05m |
| A | Maximum digging reach | mm | 8908 | 8908 | 8908 |
| B | Maximum digging reach (on ground) | mm | 8735 | 8769 | 8769 |
| C | Maximum digging depth | mm | 5940 | 6252 | 6252 |
| D | Maximum digging height | mm | 9050 | 9663 | 9663 |
| E | Maximum dumping height | mm | 6726 | 7321 | 7321 |
| F | Maximum vertical wall cut depth | mm | 5370 | 5682 | 5682 |
| G | Minimum swing radius | mm | 3000 | 3000 | 3000 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 74.7 | 74.7 | 74.7 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |

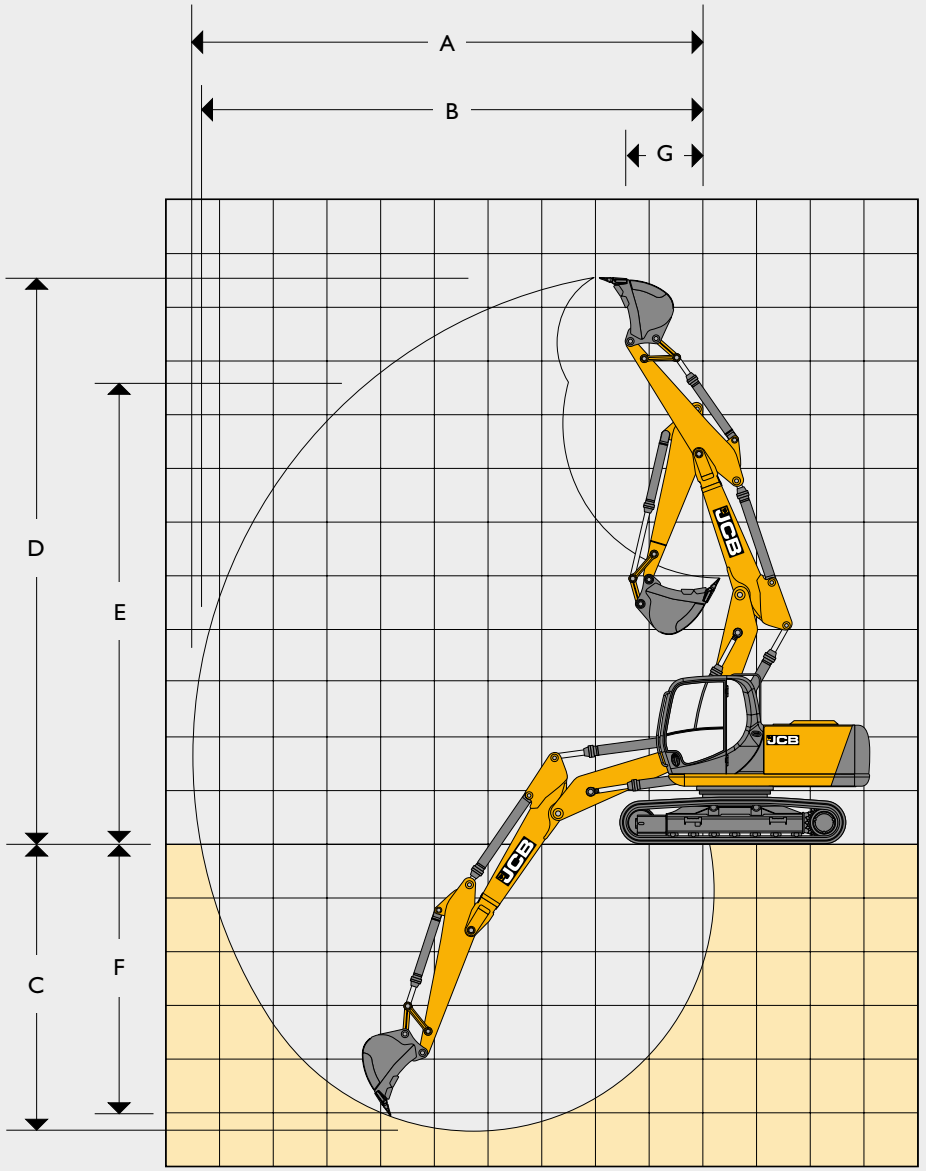
| WORKING RANGE - JS190 NLC/LC MONOBOOM 5.15M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.70m | 3.05m |
| A | Maximum digging reach | mm | 9223 | 9223 | 9223 |
| B | Maximum digging reach (on ground) | mm | 9056 | 9088 | 9088 |
| C | Maximum digging depth | mm | 6286 | 6598 | 6598 |
| D | Maximum digging height | mm | 9219 | 9888 | 9888 |
| E | Maximum dumping height | mm | 6891 | 7543 | 7543 |
| F | Maximum vertical wall cut depth | mm | 5646 | 6028 | 6028 |
| G | Minimum swing radius | mm | 3000 | 3000 | 3000 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 68.7 | 68.7 | 68.7 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |



| WORKING RANGE - JS160 NLC/LC T.A.B. 5.35M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.70m | 3.05m |
| A | Maximum digging reach | mm | 8831 | 8831 | 8831 |
| B | Maximum digging reach (on ground) | mm | 8652 | 8652 | 8652 |
| C | Maximum digging depth | mm | 5376 | 5354 | 5354 |
| D | Maximum digging height | mm | 10226 | 10248 | 10248 |
| E | Maximum dumping height | mm | 7976 | 8000 | 8000 |
| F | Maximum vertical wall cut depth | mm | 4254 | 4232 | 4232 |
| G | Minimum swing radius | mm | 2170 | 2170 | 2170 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 85.8 | 85.8 | 85.8 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |

| WORKING RANGE - JS180 NLC/LC T.A.B. 5.35M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.70m | 3.05m |
| A | Maximum digging reach | mm | 9260 | 9260 | 9260 |
| B | Maximum digging reach (on ground) | mm | 9094 | 9094 | 9094 |
| C | Maximum digging depth | mm | 5808 | 5786 | 5786 |
| D | Maximum digging height | mm | 10652 | 10674 | 10674 |
| E | Maximum dumping height | mm | 8366 | 8444 | 8444 |
| F | Maximum vertical wall cut depth | mm | 4721 | 4699 | 4699 |
| G | Minimum swing radius | mm | 2227 | 2227 | 2227 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 74.7 | 74.7 | 74.7 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |

| WORKING RANGE - JS190 NLC/LC T.A.B. 5.35M | | | | | |
|---|---|---|---|---|---|
| | Dipper length: | | 2.25m | 2.40m | 3.05m |
| A | Maximum digging reach | mm | 9592 | 9592 | 9592 |
| B | Maximum digging reach (on ground) | mm | 9463 | 9463 | 9463 |
| C | Maximum digging depth | mm | 6130 | 6108 | 6108 |
| D | Maximum digging height | mm | 10800 | 10822 | 10822 |
| E | Maximum dumping height | mm | 8667 | 8672 | 8672 |
| F | Maximum vertical wall cut depth | mm | 5233 | 5211 | 5211 |
| G | Minimum swing radius | mm | 2587 | 2587 | 2587 |
| | Bucket rotation | | 182° | 182° | 182° |
| | Maximum dipper tearout | kNm | 68.7 | 68.7 | 68.7 |
| | Maximum bucket tearout | kNm | 116.1 | 116.1 | 116.1 |



**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 3880* | 3880* | 4495 |
| 6.0m | | | | | | | | | | | 3340* | 3340* | 5961 |
| 4.5m | | | | | 5530* | 5530* | 5000 | 3660 | | | 3190* | 2990 | 6797 |
| 3.0m | | | | | 6900* | 5360 | 4870 | 3530 | | | 3220* | 2670 | 7230 |
| 1.5m | | | | | 7260 | 5060 | 4720 | 3400 | | | 3430* | 2560 | 7331 |
| 0m | | | 5270* | 5270* | 7070 | 4900 | 4620 | 3300 | | | 3640 | 2630 | 7116 |
| – 1.5m | 5970* | 5970* | 10710* | 9160 | 7030 | 4860 | 4590 | 3280 | | | 4080 | 2930 | 6554 |
| – 3.0m | | | 10790* | 9330 | 7120 | 4940 | | | | | 5250 | 3740 | 5535 |
| – 4.5m | | | | | | | | | | | | | |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2820* | 2820* | 5128 |
| 6.0m | | | | | | | 3840* | 3750 | | | 2500* | 2500* | 6449 |
| 4.5m | | | | | 4980* | 4980* | 4610* | 3690 | | | 2410* | 2410 | 7228 |
| 3.0m | | | 9630* | 9630* | 6370* | 5440 | 4890 | 3550 | 3190* | 2530 | 2440* | 2440* | 7636 |
| 1.5m | | | 5060* | 5060* | 7300 | 5100 | 4730 | 3400 | 3400 | 2460 | 2600* | 2350 | 7732 |
| 0m | | | 6390* | 6390* | 7070 | 4890 | 4600 | 3280 | 3150* | 2420 | 2900* | 2410 | 7529 |
| – 1.5m | 5750* | 5750* | 10070* | 9060 | 6990 | 4810 | 4550 | 3230 | | | 3500* | 2640 | 7000 |
| – 3.0m | 9790* | 9790* | 11600* | 9190 | 7030 | 4860 | 4600 | 3290 | | | 4550 | 3250 | 6058 |
| – 4.5m | | | 8470* | 8470* | | | | | | | 5590* | 5170 | 4443 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2440* | 2440* | 5707 |
| 6.0m | | | | | | | 3880* | 3760 | | | 2160* | 2160* | 6916 |
| 4.5m | | | | | | | 4260* | 3680 | 2690* | 2540 | 2070* | 2070* | 7647 |
| 3.0m | | | 8500* | 8500* | 5880* | 5440 | 4870* | 3520 | 3430 | 2490 | 2070* | 2070* | 8033 |
| 1.5m | | | 6080* | 6080* | 7270 | 5060 | 4680 | 3350 | 3350 | 2410 | 2170* | 2130 | 8124 |
| 0m | | | 6140* | 6140* | 6980 | 4800 | 4530 | 3210 | 3280 | 2350 | 2380* | 2170 | 7931 |
| – 1.5m | 4890* | 4890* | 9020* | 8850 | 6870 | 4700 | 4460 | 3140 | | | 2780* | 2360 | 7431 |
| – 3.0m | 8390* | 8390* | 11970* | 8960 | 6890 | 4720 | 4480 | 3170 | | | 3610* | 2830 | 6553 |
| – 4.5m | | | 9340* | 9250 | 6330* | 4890 | | | | | 5160* | 4130 | 5101 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 3880* | 3880* | 4495 |
| 6.0m | | | | | | | | | | | 3340* | 3280 | 5961 |
| 4.5m | | | | | 5530* | 5000 | 4860 | 3220 | | | 3190* | 2620 | 6797 |
| 3.0m | | | | | 6900* | 4680 | 4720 | 3100 | | | 3230* | 2230 | 7230 |
| 1.5m | | | | | 7040 | 4380 | 4580 | 2960 | | | 3410 | 2230 | 7331 |
| 0m | | | 5270* | 5270* | 6850 | 4230 | 4470 | 2870 | | | 3520 | 2290 | 7116 |
| – 1.5m | 5970* | 5970* | 10710* | 7740 | 6820 | 4190 | 4450 | 2850 | | | 3950 | 2550 | 6554 |
| – 3.0m | | | 10790* | 7890 | 6910 | 4270 | | | | | 5090 | 3250 | 5535 |
| – 4.5m | | | | | | | | | | | | | |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2820* | 2820* | 5128 |
| 6.0m | | | | | | | 3840* | 3310 | | | 2500* | 2500* | 6449 |
| 4.5m | | | | | | | 4610* | 3250 | | | 2410* | 2390 | 7228 |
| 3.0m | | | 9630* | 8720* | 7980* | 4980 | 4750 | 3110 | 3190* | 2210 | 2440* | 2140 | 7636 |
| 1.5m | | | 5060* | 5060* | 6370 | 4750 | 4580 | 2960 | 3290 | 2150 | 2600* | 2050 | 7732 |
| 0m | | | 6390* | 6390* | 7090 | 4420 | 4460 | 2850 | 3150* | 2100 | 2900* | 2090 | 7529 |
| – 1.5m | 5750* | 5750* | 10070* | 7630 | 6850 | 4210 | 4410 | 2800 | | | 3500* | 2300 | 7000 |
| – 3.0m | 9790* | 9790* | 11600* | 7760 | 6770 | 4150 | 4460 | 2850 | | | 4400 | 2820 | 6058 |
| – 4.5m | | | 8470* | 8050 | 6820* | 4190 | | | | | 5590* | 4480 | 4443 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2440* | 2440* | 5707 |
| 6.0m | | | | | | | 3880* | 3310 | | | 2160* | 2160* | 6916 |
| 4.5m | | | | | | | 4260* | 3240 | 2690* | 2220 | 2070* | 2070* | 7647 |
| 3.0m | | | 8500* | 8500* | 5880* | 4750 | 4720 | 3080 | 3320 | 2170 | 2070* | 1920 | 8033 |
| 1.5m | | | 6080* | 6080* | 7050 | 4370 | 4530 | 2910 | 3240 | 2090 | 2170* | 1840 | 8124 |
| 0m | | | 6140* | 6140* | 6770 | 4130 | 4390 | 2770 | 3170 | 2030 | 2380* | 1870 | 7931 |
| – 1.5m | 4890* | 4890* | 9020* | 7430 | 6650 | 4030 | 4310 | 2710 | | | 2780* | 2040 | 7431 |
| – 3.0m | 8390* | 8390* | 11970* | 7530 | 6670 | 4050 | 7340 | 2730 | | | 3610* | 2450 | 6553 |
| – 4.5m | | | 9340* | 7810 | 6330* | 4220 | | | | | 5160* | 3580 | 5101 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7240* | 7240* | 2218 |
| 7.5m | 5930* | 5930* | 5780* | 5780* | | | | | 4160* | 4160* | 5009 |
| 6.0m | 5030* | 5030* | 5830* | 5830* | 5040 | 3650 | | | 3500* | 3270 | 6356 |
| 4.5m | 8490* | 8490* | 7160* | 5610 | 4970 | 3580 | | | 3250* | 2670 | 7145 |
| 3.0m | | | 7490 | 5200 | 4800 | 3430 | 3400 | 2430 | 3190* | 2400 | 7557 |
| 1.5m | | | 7100 | 4860 | 4630 | 3270 | 3350 | 2380 | 3250 | 2310 | 7654 |
| 0m | | | 6920 | 4700 | 4520 | 3170 | | | 3360 | 2380 | 7449 |
| – 1.5m | 7580* | 7580* | 6770* | 4700 | 4510 | 3160 | | | 3560* | 2660 | 6914 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5360* | 5360* | | | | | | | 4260* | 4260* | 3449 |
| 7.5m | | | 4780* | 4780* | | | | | 2990* | 2990* | 5649 |
| 6.0m | | | 4650* | 4650* | 4580* | 3720 | | | 2590* | 2590* | 6869 |
| 4.5m | 5140* | 5140* | 5500* | 5500* | 5020 | 3630 | 3130* | 2490 | 2440* | 2420 | 7604 |
| 3.0m | | | 7590 | 5300 | 4830 | 3450 | 3420 | 2450 | 2410* | 2200 | 7992 |
| 1.5m | | | 7150 | 4900 | 4640 | 3270 | 3340 | 2370 | 2480 | 2120 | 8084 |
| 0m | | | 6910 | 4690 | 4500 | 3150 | 3280 | 2320 | 2670* | 2170 | 7890 |
| – 1.5m | 7430* | 7430* | 6850 | 4640 | 4460 | 3110 | | | 3030* | 2390 | 7388 |
| – 3.0m | | | 5210* | 4720 | 3590* | 3180 | | | 3160* | 3020 | 6264 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS160 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5100* | 5100* | | | | | | | 3550* | 3550* | 4269 |
| 7.5m | | | 4190* | 4190* | 3370* | 3370* | | | 2610* | 2610* | 6178 |
| 6.0m | | | 3830* | 3830* | 4120* | 3730 | | | 2260* | 2260* | 7309 |
| 4.5m | 3140* | 3140* | 4240* | 4240* | 4500* | 3620 | 3460 | 2480 | 2120* | 2120* | 8003 |
| 3.0m | | | 7620 | 5310 | 4810 | 3430 | 3380 | 2410 | 2080* | 1980 | 8372 |
| 1.5m | | | 7120 | 4870 | 4590 | 3220 | 3280 | 2320 | 2110* | 1920 | 8460 |
| 0m | | | 6820 | 4590 | 4430 | 3070 | 3210 | 2250 | 2230* | 1960 | 8275 |
| – 1.5m | 6500* | 6500* | 6720 | 4510 | 4360 | 3010 | 3200 | 2240 | 2480* | 2140 | 7798 |
| – 3.0m | 7060* | 7060* | 5660* | 4560 | 4070* | 3050 | | | 2760* | 2590 | 6857 |

 Lift capacity front and rear.

 Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7240* | 7240* | 2218 |
| 7.5m | 5930* | 5930* | 5780* | 5150 | | | | | 4160* | 4160* | 5009 |
| 6.0m | 5030* | 5030* | 5830* | 5160 | 4890 | 3200 | | | 3500* | 2860 | 6356 |
| 4.5m | 8490* | 8490* | 7160* | 4900 | 4820 | 3130 | | | 3250* | 2320 | 7145 |
| 3.0m | | | 7270 | 4510 | 4650 | 2980 | 3290 | 2110 | 3190* | 2080 | 7557 |
| 1.5m | | | 6880 | 4170 | 4880 | 2830 | 3240 | 2060 | 3140 | 2000 | 7654 |
| 0m | | | 6700 | 4020 | 4380 | 2730 | | | 3250 | 2060 | 7449 |
| – 1.5m | 7580* | 7500* | 6700 | 4010 | 4370 | 2720 | | | 3560* | 2290 | 6914 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5360* | 5360* | | | | | | | 4260* | 4260* | 3449 |
| 7.5m | | | 4780* | 4780* | | | | | 2990* | 2990* | 5649 |
| 6.0m | | | 4650* | 4650* | 4580* | 3270 | | | 2590* | 2540 | 6869 |
| 4.5m | 5140* | 5140* | 5500* | 5000 | 4870 | 3180 | 3130* | 2170 | 2440* | 2100 | 7604 |
| 3.0m | | | 7380 | 4590 | 4690 | 3010 | 3310 | 2120 | 2410* | 1900 | 7992 |
| 1.5m | | | 6930 | 4210 | 4490 | 2830 | 3230 | 2050 | 2480* | 1820 | 8084 |
| 0m | | | 6690 | 4000 | 4360 | 2710 | 3180 | 2000 | 2670* | 1870 | 7890 |
| – 1.5m | 7430* | 7350 | 6640 | 3960 | 4320 | 2670 | | | 3030* | 2060 | 7388 |
| – 3.0m | | | 5210* | 4030 | 3590* | 2740 | | | 3160* | 2600 | 6264 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS160 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5100* | 5100* | | | | | | | 3550* | 3550* | 4269 |
| 7.5m | | | 4190* | 4190* | 3370* | 3210 | | | 2610* | 2610* | 6178 |
| 6.0m | | | 3830* | 3830* | 4120* | 3280 | | | 2260* | 2240 | 7309 |
| 4.5m | 3410* | 3410* | 4240* | 4240* | 4500* | 3170 | 3350 | 2150 | 2120* | 1880 | 8003 |
| 3.0m | | | 7400 | 4600 | 4670 | 2980 | 3270 | 2080 | 2080* | 1700 | 8372 |
| 1.5m | | | 6910 | 4180 | 4450 | 2780 | 3180 | 1990 | 2110* | 1640 | 8460 |
| 0m | | | 6600 | 3910 | 4280 | 2630 | 3100 | 1920 | 2230* | 1680 | 8275 |
| – 1.5m | 6500* | 6500* | 6510 | 3830 | 4210 | 2570 | 3090 | 1910 | 2480* | 1830 | 7798 |
| – 3.0m | 7060* | 7060* | 5660* | 3880 | 4070* | 2610 | | | 2760* | 2230 | 6857 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | 4040* | 4040* | | | | | 3860* | 3860* | 4537 |
| 6.0m | | | | | | | | | | | 3330* | 3330* | 5985 |
| 4.5m | | | | | 5560* | 5560* | 5010* | 4050 | | | 3190* | 3190* | 6811 |
| 3.0m | | | | | 6930* | 5920 | 5550* | 3920 | | | 3230* | 2970 | 7235 |
| 1.5m | | | | | 8220* | 5610 | 5900 | 3780 | | | 3440* | 2860 | 7330 |
| 0m | | | 5370* | 5370* | 8840* | 5450 | 5800 | 3690 | | | 3870* | 2950 | 7108 |
| – 1.5m | 6090* | 6090* | 10850* | 10150 | 8690* | 5420 | 5780 | 3670 | | | 4740* | 3290 | 6537 |
| – 3.0m | | | 10740* | 10320 | 7590* | 5500 | | | | | 5830* | 4200 | 5507 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2800* | 2800* | 5165 |
| 6.0m | | | | | | | 3880* | 3880* | | | 2490* | 2490* | 6471 |
| 4.5m | | | | | 5000* | 5000* | 4620* | 4080 | | | 2400* | 2400* | 7241 |
| 3.0m | | | 9720* | 9720* | 6400* | 5990 | 5220* | 3940 | 3220* | 2820 | 2450* | 2450* | 7641 |
| 1.5m | | | 5040* | 5040* | 7830* | 5650 | 5900* | 3790 | 4000* | 2760 | 2600* | 2600* | 7731 |
| 0m | | | 6450* | 6450* | 8670* | 5440 | 5780 | 3670 | 3100* | 2720 | 2920* | 2710 | 7521 |
| – 1.5m | 5830* | 5830* | 10170* | 10040 | 8770* | 5370 | 5730 | 3630 | | | 3520* | 2980 | 6985 |
| – 3.0m | 9880* | 9880* | 11560* | 10180 | 8020* | 5420 | 5360* | 3680 | | | 4880* | 3660 | 6033 |
| – 4.5m | | | 8370* | 8370* | | | | | | | 5580* | 5580* | 4396 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2430* | 2430* | 5738 |
| 6.0m | | | | | | | 3890* | 3890* | | | 2160* | 2160* | 6935 |
| 4.5m | | | | | | | 4270* | 4060 | 2730* | 2730* | 2070* | 2070* | 7657 |
| 3.0m | | | 8600* | 8600* | 5910* | 5910* | 4900* | 3910 | 3940* | 2780 | 2080* | 2080* | 8037 |
| 1.5m | | | 6010* | 6010* | 7410* | 5600 | 5620* | 3730 | 4200 | 2710 | 2180* | 2180* | 8122 |
| 0m | | | 6180* | 6180* | 8410* | 5360 | 5710 | 3600 | 4130 | 2640 | 2390* | 2390* | 7923 |
| – 1.5m | 4960* | 4960* | 9110* | 9110* | 8680* | 5260 | 5640 | 3530 | | | 2800* | 2670 | 7416 |
| – 3.0m | 8470* | 8470* | 11930* | 9950 | 8160* | 5280 | 5670 | 3560 | | | 3630* | 3200 | 6528 |
| – 4.5m | | | 9250* | 9250* | 6250* | 5460 | | | | | 5160* | 4660 | 5059 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | 4040* | 4040* | | | | | 3860* | 3860* | 4537 |
| 6.0m | | | | | | | | | | | 3330* | 3330* | 5985 |
| 4.5m | | | | | 5560* | 5520 | 5010* | 3580 | | | 3190* | 2930 | 6811 |
| 3.0m | | | | | 6930* | 5200 | 5550* | 3460 | | | 3230* | 2620 | 7235 |
| 1.5m | | | | | 8220* | 4910 | 5660 | 3330 | | | 3440* | 2520 | 7330 |
| 0m | | | 5370* | 5370* | 8630 | 4750 | 5560 | 3240 | | | 3870* | 2590 | 7108 |
| – 1.5m | 6090* | 6090* | 10850* | 8680 | 8590 | 4720 | 5530 | 3220 | | | 4740* | 2890 | 6537 |
| – 3.0m | | | 10740* | 8840 | 7590* | 4800 | | | | | 5830* | 3690 | 5507 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2800* | 2800* | 5165 |
| 6.0m | | | | | | | 3880* | 3680 | | | 2490* | 2490* | 6471 |
| 4.5m | | | | | 5000* | 5000* | 4620* | 3620 | | | 2400* | 2400* | 7241 |
| 3.0m | | | 9720* | 9640* | 6400* | 5270 | 5220* | 3480 | 3220* | 2490 | 2450* | 2410 | 7641 |
| 1.5m | | | 5040* | 5040* | 7830* | 4940 | 5670 | 3330 | 4000* | 2430 | 2600* | 2320 | 7731 |
| 0m | | | 6450* | 6450* | 8630 | 4740 | 5540 | 3220 | 3100* | 2380 | 2920* | 2370 | 7521 |
| – 1.5m | 5830* | 5830* | 10170* | 8580 | 8540 | 4670 | 5490 | 3170 | | | 3520* | 2610 | 6985 |
| – 3.0m | 9880* | 9880* | 11560* | 8700 | 8020* | 4720 | 5360* | 3230 | | | 4880* | 3200 | 6033 |
| – 4.5m | | | 8370* | 8370* | | | | | | | 5580* | 5100 | 4396 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | ⇔ | ↕ | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2430* | 2430* | 5738 |
| 6.0m | | | | | | | 3890* | 3680 | | | 2160* | 2160* | 6935 |
| 4.5m | | | | | | | 4270* | 3600 | 2730* | 2500 | 2070* | 2070* | 7657 |
| 3.0m | | | 8600* | 8600* | 5910* | 5270 | 4900* | 3450 | 3940* | 2450 | 2080* | 2080* | 8037 |
| 1.5m | | | 6010* | 6010* | 7410* | 4900 | 5620* | 3270 | 4020 | 2370 | 2180* | 2100 | 8122 |
| 0m | | | 6180* | 6180* | 8410* | 4660 | 5470 | 3140 | 3950 | 2310 | 2390* | 2140 | 7923 |
| – 1.5m | 4960* | 4960* | 9110* | 8370 | 8420 | 4560 | 5390 | 3080 | | | 2800* | 2330 | 7416 |
| – 3.0m | 8470* | 8470* | 11930* | 8480 | 8160* | 4580 | 5420 | 3100 | | | 3630* | 2800 | 6528 |
| – 4.5m | | | 9250* | 8760 | 6250* | 4750 | | | | | 5160* | 4080 | 5059 |

⇔ Lift capacity front and rear.

↕ Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7030* | 7030* | 2326 |
| 7.5m | 5900* | 5900* | 5800* | 5800* | | | | | 4130* | 4130* | 5047 |
| 6.0m | 5030* | 5030* | 5830* | 5830* | 5250* | 4030 | | | 3490* | 3490* | 6377 |
| 4.5m | 8900* | 8900* | 7240* | 6160 | 6040* | 3970 | | | 3250* | 2980 | 7157 |
| 3.0m | | | 8340* | 5750 | 6000 | 3810 | 3920* | 2730 | 3200* | 2690 | 7562 |
| 1.5m | | | 8680 | 5410 | 5830 | 3650 | 5210 | 2680 | 3280* | 2600 | 7653 |
| 0m | | | 8130* | 5260 | 5720 | 3560 | | | 3540* | 2690 | 7441 |
| – 1.5m | 7710* | 7710* | 6730* | 5250 | 5010* | 3550 | | | 3550* | 3000 | 6898 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5400* | 5400* | | | | | | | 4200* | 4220* | 3157 |
| 7.5m | | | 4780* | 4780* | | | | | 2980* | 2980* | 5682 |
| 6.0m | | | 4660* | 4660* | 4600* | 4110 | | | 2590* | 2590* | 6889 |
| 4.5m | 5420* | 5240* | 5540* | 5540* | 5340* | 4010 | 3190* | 2790 | 2440* | 2440* | 7616 |
| 3.0m | | | 8040* | 5840 | 6040 | 3840 | 2480 | 2740 | 2410* | 2410* | 7997 |
| 1.5m | | | 8620* | 5450 | 5840 | 3660 | 4200 | 2670 | 2480* | 2390 | 8083 |
| 0m | | | 8360* | 5240 | 5700 | 3540 | 4140 | 2620 | 2670* | 2460 | 7883 |
| – 1.5m | 7520* | 7520* | 7230* | 5190 | 5390* | 3500 | | | 3050* | 2700 | 7373 |
| – 3.0m | | | 5150* | 5150* | 3530* | 3530* | | | 3190* | 3190* | 6210 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JS180 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5080* | 5080* | | | | | | | 3510* | 3510* | 4324 |
| 7.5m | | | 4180* | 4180* | 3440* | 3440* | | | 2600* | 2600* | 6208 |
| 6.0m | | | 3830* | 3830* | 4120* | 4120 | | | 2260* | 2260* | 7327 |
| 4.5m | 3440* | 3440* | 4260* | 4260* | 4520* | 4000 | 3820* | 2780 | 2110* | 2110* | 8014 |
| 3.0m | | | 7710* | 5850 | 5900* | 3810 | 4240 | 2700 | 2070* | 2070* | 8377 |
| 1.5m | | | 8430* | 5410 | 5790 | 3610 | 4150 | 2610 | 2110* | 2110* | 8459 |
| 0m | | | 8370* | 5150 | 5620 | 3460 | 4070 | 2540 | 2240* | 2230 | 8268 |
| – 1.5m | 6580* | 6580* | 7440* | 5070 | 5530* | 3400 | 3810* | 2510 | 2490* | 2440 | 7784 |
| – 3.0m | 6990* | 6990* | 5610* | 5130 | 4030* | 3440 | | | 2780* | 2780* | 6815 |

 Lift capacity front and rear.

 Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7030* | 7030* | 2326 |
| 7.5m | 5900* | 5900* | 5800* | 5680 | | | | | 4130* | 4130* | 5047 |
| 6.0m | 5030* | 5030* | 5830* | 5680 | 5250* | 3560 | | | 3490* | 3180 | 6377 |
| 4.5m | 8900* | 8900* | 7240* | 5420 | 5930 | 3500 | | | 3250* | 2610 | 7157 |
| 3.0m | | | 8340* | 5030 | 5760 | 3340 | 3920* | 2390 | 3200* | 2350 | 7562 |
| 1.5m | | | 8680 | 4700 | 5580 | 3190 | 4030 | 2340 | 3280* | 2270 | 7653 |
| 0m | | | 8130* | 4550 | 5470 | 3100 | | | 3540* | 2340 | 7441 |
| – 1.5m | 7710* | 7710* | 6730* | 4540 | 5010* | 3090 | | | 3550* | 2610 | 6898 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5400* | 5400* | | | | | | | 4220* | 4220* | 3157 |
| 7.5m | | | 4780* | 4780* | | | | | 2980* | 2980* | 5682 |
| 6.0m | | | 4660* | 4660* | 4600* | 3630 | | | 2590* | 2590* | 6889 |
| 4.5m | 5420* | 5240* | 5540* | 5520 | 5340* | 3540 | 3190* | 2450 | 2440* | 2370 | 7616 |
| 3.0m | | | 8040* | 5110 | 5790 | 3370 | 4100 | 2400 | 2410* | 2160 | 7997 |
| 1.5m | | | 8620* | 4740 | 5590 | 3200 | 4020 | 2330 | 2480* | 2080 | 8083 |
| 0m | | | 8630* | 4530 | 5460 | 3080 | 3960 | 2280 | 2670* | 2140 | 7883 |
| – 1.5m | 7520* | 7520* | 7230* | 4490 | 5390* | 3040 | | | 3050* | 5350 | 7373 |
| – 3.0m | | | 5150* | 4570 | 3530* | 3110 | | | 3190* | 2980 | 6210 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.05M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS180 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5080* | 5080* | | | | | | | 3510* | 3510* | 4324 |
| 7.5m | | | 4180* | 4180* | 3440* | 3440* | | | 2600* | 2600* | 6208 |
| 6.0m | | | 3830* | 3830* | 4120* | 3640 | | | 2260* | 2260* | 7327 |
| 4.5m | 3440* | 3440* | 4260* | 4260* | 4520* | 3530 | 3820* | 2430 | 2110* | 2110* | 8014 |
| 3.0m | | | 7710* | 5120 | 5770 | 3340 | 4060 | 2360 | 2070* | 1950 | 8377 |
| 1.5m | | | 8430* | 4700 | 5550 | 3140 | 3960 | 2270 | 2110* | 1880 | 8459 |
| 0m | | | 8370* | 4440 | 5380 | 3000 | 3890 | 2220 | 2240* | 1930 | 8268 |
| – 1.5m | 6580* | 6580* | 7440* | 4360 | 5310 | 2940 | 3810* | 2190 | 2490* | 2110 | 7784 |
| – 3.0m | 6990* | 6990* | 5610* | 4420 | 4030* | 2980 | | | 2780* | 2560 | 6815 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS190 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 3900* | 3900* | 4484 |
| 6.0m | | | | | | | | | | | 3350* | 3350* | 5956 |
| 4.5m | | | | | 5520* | 5520* | 5000* | 4230 | | | 3200* | 3200* | 6795 |
| 3.0m | | | | | 6880* | 6170 | 5530* | 4100 | | | 3230* | 3130 | 7230 |
| 1.5m | | | | | 8190* | 5870 | 6130 | 3970 | | | 3420* | 3010 | 7334 |
| 0m | | | 5250* | 5250* | 8830* | 5710 | 6020 | 3870 | | | 3830* | 3100 | 7122 |
| – 1.5m | 5940* | 5940* | 10670* | 10600 | 8710* | 5680 | 6000 | 3850 | | | 4660* | 3450 | 6562 |
| – 3.0m | | | 10810* | 10770 | 7650* | 5760 | | | | | 5830* | 4360 | 5548 |
| – 4.5m | | | | | | | | | | | | | |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS190 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2910* | 2910* | 5120 |
| 6.0m | | | | | | | 3910* | 3910* | | | 2590* | 2590* | 6445 |
| 4.5m | | | | | 4990* | 4990* | 4630* | 4290 | | | 2490* | 2490* | 7227 |
| 3.0m | | | 9550* | 9550* | 6360* | 6250 | 5220* | 4140 | 3280* | 2990 | 2530* | 2530* | 7637 |
| 1.5m | | | 5180* | 5180* | 7780* | 5900 | 5890* | 3980 | 4080* | 2930 | 2680* | 2680* | 7735 |
| 0m | | | 6460* | 6460* | 8640* | 5680 | 6010 | 3860 | 3270* | 2880 | 2980* | 2860 | 7534 |
| – 1.5m | 5810* | 5810* | 10130* | 10130* | 8760* | 5610 | 5960 | 3810 | | | 3570* | 3140 | 7008 |
| – 3.0m | 9840* | 9840* | 11570* | 10570 | 8050* | 5660 | 5720* | 3870 | | | 4890* | 3820 | 6070 |
| – 4.5m | | | 8490* | 8490* | | | | | | | 5610* | 5610* | 4463 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.00M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS190 LC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2430* | 2430* | 5581 |
| 6.0m | | | | | | | 3770* | 3770* | | | 2180* | 2180* | 6816 |
| 4.5m | | | | | | | 4310* | 4290 | 2360* | 2360* | 2110* | 2110* | 7559 |
| 3.0m | | | 8530* | 8530* | 5920* | 5920* | 4930* | 4130 | 3720* | 2970 | 2140* | 2140* | 7951 |
| 1.5m | | | 7030* | 7030* | 7440* | 5930 | 5670* | 3960 | 4410 | 2890 | 2270* | 2270* | 8045 |
| 0m | | | 6820* | 6820* | 8460* | 5680 | 5990 | 3830 | 4350 | 2830 | 2520* | 2520* | 7853 |
| – 1.5m | 5390* | 5390* | 9600* | 9600* | 8750* | 5580 | 5910 | 3770 | | | 2990* | 2890 | 7350 |
| – 3.0m | 8770* | 8770* | 12070* | 10500 | 8260* | 5600 | 5940 | 3790 | | | 3980* | 3460 | 6463 |
| – 4.5m | | | 9460* | 9460 | 6420* | 5770 | | | | | 5510* | 5030 | 4987 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS190 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 3900* | 3900* | 4484 |
| 6.0m | | | | | | | | | | | 3350* | 3350* | 5956 |
| 4.5m | | | | | 5520* | 5520* | 5000* | 3790 | | | 3200* | 3130 | 6795 |
| 3.0m | | | | | 6880* | 5500 | 5530* | 3670 | | | 3230* | 2800 | 7230 |
| 1.5m | | | | | 8190* | 5200 | 5950 | 3540 | | | 3420* | 2690 | 7334 |
| 0m | | | 2250* | 5250* | 8830* | 5040 | 5840 | 3450 | | | 3830* | 2760 | 7122 |
| – 1.5m | 5940* | 5940* | 10670* | 9190 | 8710* | 5010 | 5820 | 3430 | | | 4660* | 3070 | 6562 |
| – 3.0m | | | 10810* | 9340 | 7650* | 5100 | | | | | 5830* | 3880 | 5548 |
| – 4.5m | | | | | | | | | | | | | |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.15M MONOBOOM, TRACKSHOES: 500MM, NO BUCKET.** **JS190 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2910* | 2910* | 5120 |
| 6.0m | | | | | | | 3910* | 3910* | | | 2590* | 2590* | 6445 |
| 4.5m | | | | | 4990* | 4990* | 4630* | 3850 | | | 2490* | 2490* | 7227 |
| 3.0m | | | 9550* | 9550* | 6360* | 5770 | 5220* | 3710 | 3280* | 2670 | 2530* | 2530* | 7637 |
| 1.5m | | | 5180* | 5180* | 7780* | 5220 | 5890* | 3550 | 4080* | 2610 | 2680* | 2500 | 7735 |
| 0m | | | 6460* | 6460* | 8640* | 5010 | 5830 | 3430 | 3270* | 2560 | 2980* | 2550 | 7534 |
| – 1.5m | 5810* | 5810* | 10130* | 9010 | 8760* | 4950 | 5780 | 3880 | | | 3570* | 2790 | 7008 |
| – 3.0m | 9840* | 9840* | 11570* | 19150 | 8050* | 5000 | 5720* | 3440 | | | 4890* | 3400 | 6070 |
| – 4.5m | | | 8490* | 8490* | | | | | | | 5610* | 5300 | 4463 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.00M, 5.15M MONOBOOM, TRACKSHOES: 700MM, NO BUCKET.** **JS190 NLC MONO**

| Reach | 1.5m | | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 7.5m | | | | | | | | | | | 2430* | 2430* | 5581 |
| 6.0m | | | | | | | 3770* | 3770* | | | 2180* | 2180* | 6816 |
| 4.5m | | | | | | | 4310* | 3850 | 2360* | 2360* | 2110* | 2110* | 7559 |
| 3.0m | | | 8530* | 8530* | 5920* | 5610 | 4930* | 3700 | 3720* | 2650 | 2140* | 2140* | 7951 |
| 1.5m | | | 7030* | 7030* | 7440* | 5250 | 5670* | 3530 | 4280 | 2580 | 2270* | 2270* | 8045 |
| 0m | | | 6820* | 6820* | 8460* | 5010 | 5810 | 3400 | 4210 | 2520 | 2520* | 2370* | 7853 |
| – 1.5m | 5390* | 5390* | 9600* | 8970* | 8750* | 4920 | 5740 | 3340 | | | 2990* | 2570 | 7350 |
| – 3.0m | 8770* | 8770* | 12070* | 9080 | 8260* | 4940 | 5760 | 3360 | | | 3980* | 3070 | 6463 |
| – 4.5m | | | 9460* | 9350 | 6420* | 5110 | | | | | 5510* | 4460 | 4987 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JSI90 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7350* | 7350* | 2181 |
| 7.5m | 5950* | 5950* | 5790* | 5790* | | | | | 4190* | 4190* | 4997 |
| 6.0m | 5040* | 5040* | 5840* | 5840* | 5210* | 4210 | | | 3520* | 3520* | 6349 |
| 4.5m | 8330* | 8330* | 7140* | 6400 | 6060* | 4140 | | | 3270* | 3140 | 7141 |
| 3.0m | | | 8350* | 6000 | 6200 | 3990 | 3870* | 2870 | 3200* | 2840 | 7556 |
| 1.5m | | | 8730* | 5660 | 6020 | 3830 | 4360 | 2820 | 3290* | 2750 | 7655 |
| 0m | | | 8200* | 5510 | 5920 | 3740 | | | 3530* | 2830 | 7452 |
| – 1.5m | 7550* | 7550* | 6820* | 5500 | 5090* | 3730 | | | 3600* | 3140 | 6920 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JSI90 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5450* | 5450* | | | | | | | 4390* | 4390* | 3428 |
| 7.5m | | | 4870* | 4870* | | | | | 3100* | 3100* | 5640 |
| 6.0m | | | 4730* | 4730* | 4660* | 4310 | | | 2700* | 2700* | 6864 |
| 4.5m | 5160* | 5160* | 5540* | 5540* | 5380* | 4210 | 3210* | 2950 | 2540* | 2540* | 7602 |
| 3.0m | | | 8050* | 6090 | 6180* | 4030 | 4460 | 2900 | 2510* | 2510* | 7992 |
| 1.5m | | | 8640* | 5690 | 6040 | 3850 | 4370 | 2830 | 2580* | 2540 | 8086 |
| 0m | | | 8400* | 5470 | 5900 | 3720 | 4320 | 2780 | 2760* | 2600 | 7894 |
| – 1.5m | 7490* | 7490* | 7300* | 5420 | 5470* | 3680 | | | 3130* | 2850 | 7394 |
| – 3.0m | | | 5260* | 5260* | 3660* | 3660* | | | 3190* | 3190* | 6289 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.00M, 5.35M T.A.B., TRACKSHOES: 700MM, NO BUCKET.** **JSI90 LC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 4950* | 4950* | | | | | | | 3420* | 3420* | 4152 |
| 7.5m | | | 4230* | 4230* | 3000* | 3000* | | | 2570* | 2570* | 6102 |
| 6.0m | | | 4010* | 4010* | 4150* | 4150* | | | 2270* | 2270* | 7247 |
| 4.5m | 3880* | 3880* | 4560* | 4560* | 4660* | 4210 | 3660* | 2950 | 2140* | 2140* | 7949 |
| 3.0m | | | 7770* | 6150 | 6010* | 4030 | 4440 | 2890 | 2120* | 2120* | 8322 |
| 1.5m | | | 8520* | 5730 | 6040 | 3840 | 4340 | 2800 | 2180* | 2180* | 8413 |
| 0m | 4230* | 4230* | 8500 | 5470 | 5880 | 3690 | 4270 | 2730 | 2330* | 2330* | 8229 |
| – 1.5m | 7140* | 7140* | 7600* | 5380 | 5660* | 3630 | 3940* | 2720 | 2640* | 2620 | 7750 |
| – 3.0m | 7240* | 7240* | 5800* | 5440 | 4190* | 3670 | | | 2850* | 2850* | 6867 |

 Lift capacity front and rear.

 Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

**LIFT CAPACITIES – DIPPER LENGTH: 2.25M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS190 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | | | | | | | | | 7350* | 7350* | 2181 |
| 7.5m | 5950* | 5950* | 5790* | 5790* | | | | | 4190* | 4190* | 4997 |
| 6.0m | 5040* | 5040* | 5840* | 5840* | 5210* | 3770 | | | 3520* | 3400 | 6349 |
| 4.5m | 8330* | 8330* | 7140* | 5700 | 6060* | 3700 | | | 3270* | 2800 | 7141 |
| 3.0m | | | 8350* | 5320 | 6020 | 3550 | 3870* | 2550 | 3200* | 2520 | 7556 |
| 1.5m | | | 8730* | 4990 | 5840 | 3400 | 4230 | 2510 | 3290* | 2430 | 7655 |
| 0m | | | 8200* | 4840 | 5740 | 3300 | | | 3530* | 2510 | 7452 |
| – 1.5m | 7550* | 7550* | 6820* | 4830 | 5090* | 3290 | | | 3600* | 2780 | 6920 |

**LIFT CAPACITIES – DIPPER LENGTH: 2.70M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS190 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 5450* | 5450* | | | | | | | 4390* | 4390* | 3428 |
| 7.5m | | | 4870* | 4870* | | | | | 3100* | 3100* | 5640 |
| 6.0m | | | 4730* | 4730* | 4660* | 3860 | | | 2700* | 2700* | 6864 |
| 4.5m | 5160* | 5160* | 5540* | 5540* | 5380* | 3770 | 3210* | 2630 | 2540* | 2540* | 7602 |
| 3.0m | | | 8050* | 5410 | 6070 | 3590 | 4320 | 2580 | 2510* | 2330 | 7992 |
| 1.5m | | | 8640* | 5010 | 5860 | 3410 | 4240 | 2510 | 2580* | 2250 | 8086 |
| 0m | | | 8400* | 4800 | 5720 | 3280 | 4180 | 2460 | 2760* | 2310 | 7894 |
| – 1.5m | 7490* | 7490* | 7300* | 4750 | 5470* | 3250 | | | 3130* | 2520 | 7394 |
| – 3.0m | | | 5260* | 4830 | 3660* | 3320 | | | 3190* | 3140 | 6289 |

**LIFT CAPACITIES – DIPPER LENGTH: 3.00M, 5.35M T.A.B., TRACKSHOES: 500MM, NO BUCKET.** **JS190 NLC T.A.B.**

| Reach | 3m | | 4.5m | | 6m | | 7.5m | | Capacity at Max Reach | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 9.0m | 4950* | 4950* | | | | | | | 3420* | 3420* | 4152 |
| 7.5m | | | 4230* | 4230* | 3000* | 3000* | | | 2570* | 2570* | 6102 |
| 6.0m | | | 4010* | 4010* | 4150* | 3870 | | | 2270* | 2270* | 7247 |
| 4.5m | 3880* | 3880* | 4560* | 4560* | 4660* | 3770 | 3660* | 2630 | 2140* | 2140* | 7949 |
| 3.0m | | | 7770* | 5460 | 6010* | 3590 | 4300 | 2560 | 2120* | 2120* | 8322 |
| 1.5m | | | 8520* | 5050 | 5860 | 3400 | 4210 | 2480 | 2180* | 2090 | 8413 |
| 0m | 4230* | 4230* | 8500* | 4800 | 5700 | 3260 | 4140 | 2410 | 2330* | 2130 | 8229 |
| – 1.5m | 7140* | 7140* | 7600* | 4710 | 5630 | 3200 | 3940* | 2400 | 2640* | 2320 | 7750 |
| – 3.0m | 7240* | 7240* | 5800* | 4770 | 4190* | 3240 | | | 2850* | 2760 | 6867 |

Lift capacity front and rear.

Lift capacity full circle.

Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

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**Tracked Excavator JS160/180/190 NLC/LC**

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Operating weight: 17,235 – 21,225kg

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