



BE FIRST

JCB HYDRADIG

BE FIRST

The vision from the outset of the project was to design and engineer the most innovative solution in response to five key challenges facing customers in today's construction sector. The machine had to be first for visibility, stability, manoeuvrability, mobility and serviceability. The JCB Hydradig 110W really does have innovation running right through the heart of it. In fact the Hydradig will transform the industry and I am certain you will quickly appreciate its benefits.

Anthony Bamford.

LORD BAMFORD, CHAIRMAN, JCB





FIRST FOR **VISIBILITY**

In today's world where space is at a premium, compact dimensions and all-round visibility have become increasingly important. The JCB Hydradig 110W lets you enjoy total all-round visibility with the ability to see all four wheels plus a 1m perimeter around the machine at ground level. This makes it first for easier and safer operating in tight, crowded worksites.





JCB HYDRADIG

JCB

VISIBILITY

The Vision.

- 1** Operator can see within 1m of machine footprint at ground level and all four wheels of the machine can be seen from operator seat.
- 2** With the 81kW Tier 4 Final JCB EcoMAX engine and other major components now housed in the chassis, the counterweight has been radically reduced making the tailswing just 120mm which helps deliver down to ground level visibility.
- 3** Operator can view stabilisers, dozer and trailer hitch from inside the cab without any requirement to slew the machine.
- 4** Low-level glass provides unobstructed visibility.
- 5** Optional high powered LED work lights to boom, front, rear and side gives you daylight working conditions at night. Halogens are standard.





FIRST FOR **STABILITY**

On urban worksites, safety is rapidly becoming the number one priority. The JCB Hydradig 110W gives best-in-class over the side stability, twinned with minimal tailswing. Having the engine and tank mounted on the chassis also provides unparalleled stability on the road for greater comfort and confidence. This makes it first for stable working.





STABILITY

BEST-IN-CLASS

Best-in-class over the side stability when digging or lifting/slinging, compared to conventional tailswing competitors. All achieved with a minimal tailswing machine.



Ultimate stability.

- 1** Engine and double skinned tanks are mounted on an all steel chassis which creates a lowered centre of gravity, ideal for stability on site and whilst roading.
- 2** Lower centre of gravity provides extra operator confidence and productivity when lifting and carrying materials around site.
- 3** Conventional tailswing stability achieved with minimal tailswing of just 120mm is a breakthrough in design, engineering and manufacturing capability.

50/50 weight distribution between the axles significantly reduces nod and pitch whilst roading.



1



2



3



FIRST FOR **MOBILITY**

In a world where time is money, a top speed of 40kph and stepless transmission from a 81 kW Tier 4 Final EcoMAX engine lets you travel to and between sites quicker and in comfort. A factory fit trailer installation also lets you transport all your attachments and site equipment making the JCB Hydradig 110W first for getting to work.





JCB HYDRADIG

250HYDRADIG

JCB

115

MOBILITY

Comfortable roading.

1 A single speed, hydrostatic transmission allows you to road to site quickly eliminating the need to hire or purchase a lorry for transport.

2 Optional proven JCB Smooth Ride System dampens the dig end over uneven ground, creating a smoother ride and reducing the risk of spilling a load.

3 3 mobility modes allow the operator to set Hydradig for any task:

Choose 'highway mode' to isolate the upper structure and dig end for travelling at up to 40kp/h. Set throttle level with 'travel speed lock'.

Choose 'site mode' to limit the machine to 20kp/h, with all hydraulic services active.

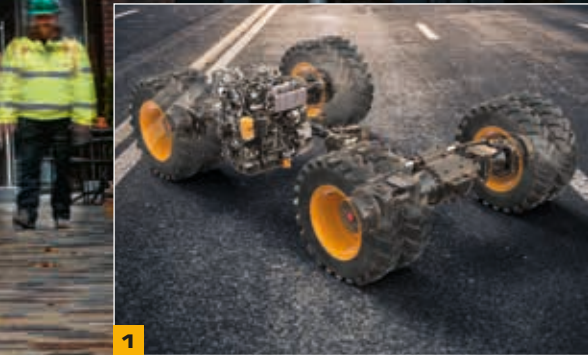
Choose 'creep mode', with a speed limiter for the most precise jobs.

4 Use the 3.5t towing capacity to move items around site including aggregates, attachments, or even a fuel bowser to quickly refill other machines on site.



AUTO-IDLE

Auto-idle as standard reduces revs when the machine is idling, saving fuel.



FIRST FOR MANOEUVRABILITY

In even the most confined urban sites, 4-wheel steer, 2-wheel steer and crab steer as standard make operating easy, allowing you to work in tighter confines safer than ever before. A best-in-class turning circle makes the JCB Hydradig 110W first for working in today's urban world.





MANOEUVRABILITY

JCB HYDRADIG

JCB

JCB HYDRADIG

JCB

110w

MANOEUVRABILITY

Great in a tight space.

- 1** 3 steer modes as standard with 4-wheel steer, 2-wheel steer and crab steer lets you manoeuvre on site in total confidence.
- 2** A Kingpost allows you to dig parallel to a wall increasing versatility, particularly in tight urban environments.
- 3** Reduced front swing and minimal tailswing of just 120mm for working closer to walls without compromise to stability.
- 4** +/- 8 degrees of axle oscillation ensures the Hydradig can manoeuvre over the roughest terrains.
- 5** Greater in-cab visibility means a more safely manoeuvrable excavator.



TURNING CIRCLE

An under 4m turning radius thanks to 4-wheel steer lets you work comfortably within a single carriageway.



REVERSE STEER

Reverse steer option lets you change the back of the machine to the front, when working in a single lane or where the machine can't be turned around manually.



FIRST FOR **SERVICEABILITY**

In a more demanding world where productivity is king, easy and quick daily checks are a must. With all service points easily accessible from ground level; 500 hour greasing on all dig end, dozer and stabiliser pivot points, and a best-in-class SAE service index rating, we've designed the JCB Hydradig 110W to be first for easy maintenance.





SERVICEABILITY

QUALITY

Using proven reliable JCB components we have ensured the JCB Hydradig 110W spends as much time as possible earning you money.

SERVICE COSTS

The JCB Hydradig 110W is powered by a 81kW T4F JCB EcoMAX engine that requires no after treatment keeping servicing costs and downtime to a minimum.

Simple maintenance.

1 Ground level access to all daily checks and fuel filler for quick and safe servicing without the need to climb onto upper structure.

2 500 hour greasing on all dig end, dozer and stabiliser grease points for maximum uptime.

A LiveLink 5 year contract as standard enabling you to monitor utilisation of your investment, fuel consumption and machine location.

A class-leading SAE rating is 22% better than closest competitor.

3 The Hydradig meets the latest Tier 4 Final/ Stage IV emissions legislation without the use of a DPF (Diesel particulate filter). The diesel exhaust fluid (DEF) tank can still be easily accessed at ground level.



FIRST FOR COMFORT

In a cramped world with restricted operating conditions, the new JCB CommandPlus cab with a large glass area and Command controls make it easier and safer to work. Designed with making the operator more productive, the JCB Hydradig 110W has succeeded in being first for cab ergonomics.

CommandPlus cab.

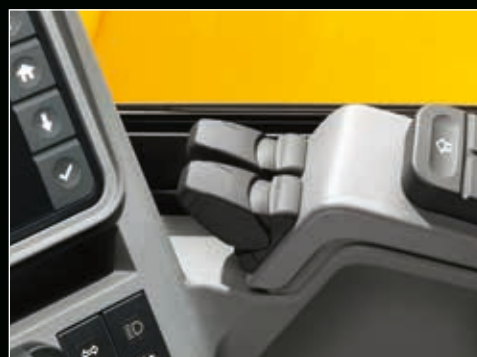
Delivering true CommandPlus standards, the JCB CommandPlus cab is the result of exhaustive customer feedback and huge investment. It is now without doubt, the ultimate in operator comfort with superb ergonomics, unrivalled visibility and a commanding driving position.

Tactile rotary controller provides precise intuitive control for the all new 7" colour display.

A heater is standard with optional climate control.

Optional seatbelt warning beacon available to meet your job site commitments.

A JCB EcoMAX engine mounted in chassis, creates a lower centre of gravity providing greater roading comfort and operator confidence.



NOISE LEVELS

With engine now mounted directly to the chassis, noise and vibration have been moved away from the operator, increasing comfort and reducing fatigue over long shifts.



FIRST FOR VERSATILITY

In a world where one machine is expected to do the work of many, having the right attachments and more importantly the ability to utilise them is crucial. The JCB Hydradig has all the pipework, circuits and towing ability to give you the ultimate in adaptability making it first for versatility.

Highly versatile.

- 1 All genuine JCB attachments are pre-loaded into attachments menu interface with just 3 clicks to set up. Additional attachments can be manually set up and named.
- 2 Add a Clevis or Rockinger hitch to utilise the up to 3.5t towing capabilities. Vital when transporting extra attachments to the jobsite (subject to local laws and regulations).

A parallel dozer is available with a large flat ground engaging area to reduce damage to hard standing.

- 3 The closed loop hydrostatic transmission features separate pumps for traction and boom power, making it easy to multifunction.

A handheld tool circuit is available to provide even greater versatility. It lets you control a variety of hand tools needed on site such as grinders, pumps, breakers etc.





VERSATILITY

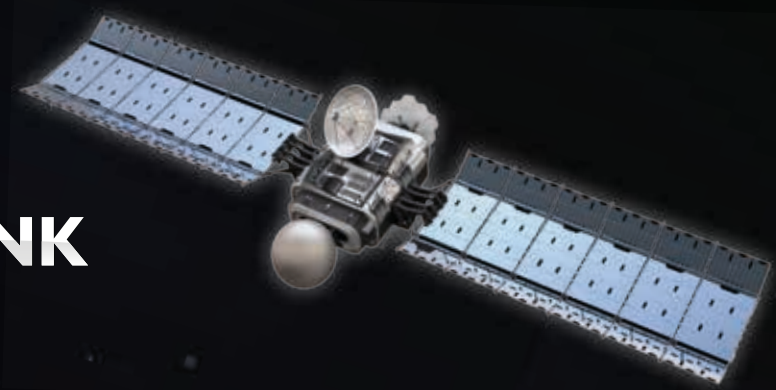
BOOM OPTIONS
Both Monoboom and TAB can be fitted with a 1.65, 2.00 or 2.25 meter dipper.

ADJUSTABLE FLOW
Bi-directional pipework lines as standard with two additional lo-flow circuits available as options to power a variety of attachments. All feature adjustable flow rates.

MORE VERSATILITY
Identical bucket pin geometry as 3CX and 85/86 mini excavator allowing you to utilise even more attachments.

FIRST FOR SUPPORT

In a world of tough business decisions where the customer rightfully expects the very best in machine back up and a complete package of value added solutions, JCB delivers. Whatever you need and wherever you are, JCB's worldwide customer support is truly first class.



Machine efficiency.

1 By providing information like idle time monitoring and fuel consumption, JCB LiveLink saves you money and improves productivity.

Machine reliability.

2 Accurate hours monitoring and service alerts improve maintenance planning and help rental companies with accurate charging. Technical alerts and maintenance history records help you manage your machines.

Machine monitoring.

3 Keep track of what your machine's been doing throughout the day with regular performance reports accessed via the LiveLink website.

Machine security.

4 LiveLink's real time geo-fencing alerts tell you when machines move out of predetermined zones. Curfew alerts inform you of unauthorised usage. JCB have a history of working with the police to recover stolen machines and tackle fuel theft.



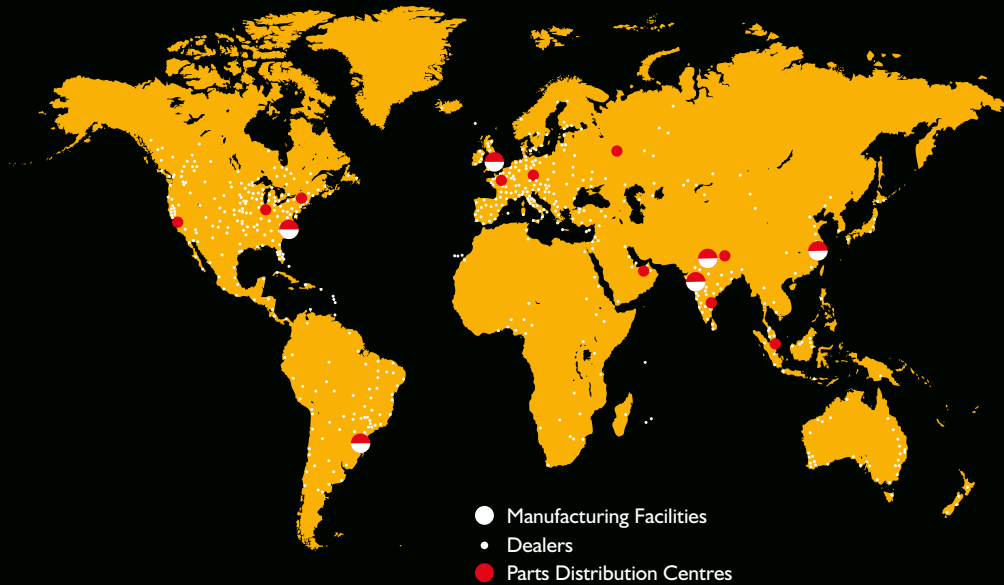
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2



4



- Manufacturing Facilities
- Dealers
- Parts Distribution Centres

5 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.

6 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.

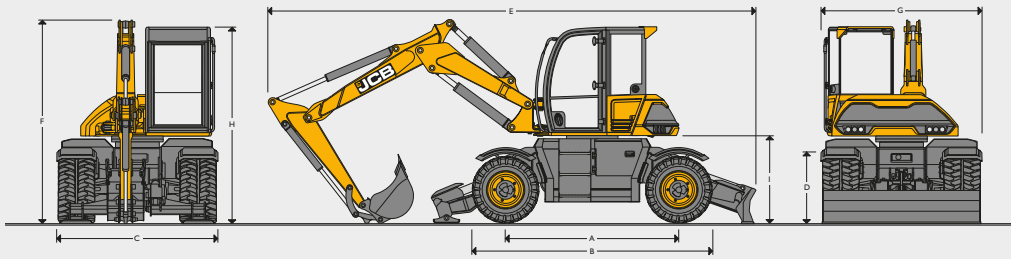
7 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast,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

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



SPECIFICATION

STATIC DIMENSIONS



STATIC DIMENSIONS

| | | | |
|---|-------------------------------|----|------|
| A | Wheelbase | mm | 2650 |
| B | Length over tyres | mm | 3689 |
| C | Width over tyres | mm | 2420 |
| D | Height over tyres | mm | 1016 |
| G | Transport width | mm | 2440 |
| H | Height over cab | mm | 2988 |
| I | Clearance under counterweight | mm | 1319 |
| J | Ground clearance | mm | 298 |

TAB

| Dipper lengths | 1.65m | 2.0m | 2.25m | | |
|----------------|------------------|------|-------|------|------|
| E | Roading length | mm | 5899 | 5899 | 5899 |
| E | Transport length | mm | 7654 | 7750 | 7730 |
| F | Roading height | mm | 3907 | 3907 | 3907 |
| F | Transport height | mm | 2988 | 2988 | 2988 |

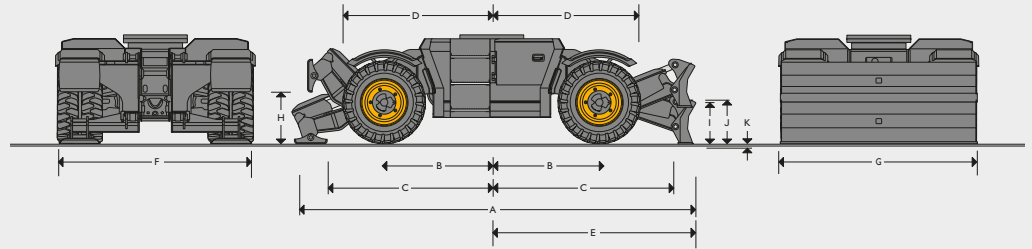
Monoboam

| Dipper lengths | 1.65m | 2.0m | 2.25m | | |
|----------------|------------------|------|-------|------|------|
| E | Roading length | mm | 6406 | 6406 | 6406 |
| E | Transport length | mm | 7050 | 7022 | 6944 |
| F | Roading height | mm | 3973 | 3973 | 3973 |
| F | Transport height | mm | 3132 | 3305 | 3437 |

*Machine is specified with a rear dozer blade. Please check chassis options for alternative specification dimensions.

CHASSIS OPTIONS

Any combination of dozer (parallel/radial), stabiliser or grab stowage bar are available to both front and/or rear of chassis.



STATIC DIMENSIONS

| | | | |
|------------------------|--|----|------|
| Front axle / rear axle | Oscillating steering axle / rigid steering axle | | |
| Axles load capacity | 14 tonnes | | |
| Axles load oscillation | +/- 8 degrees | | |
| Transmission | Hydrostatic drive via piston motor and stepless transmission | | |
| A | Overall length | | |
| | Rear stabiliser only | mm | 4119 |
| | Rear dozer only (raised) | mm | 4342 |
| | Front dozer and rear stabiliser (raised) | mm | 4773 |
| | Front and rear stabiliser (raised) | mm | 4550 |
| B | Centre of slew ring to front and rear axle | mm | 1325 |
| C | Centre of slew ring to front stabiliser (rear stabiliser) | mm | 2275 |
| D | Centre of slew ring to front tyre face | mm | 1844 |
| E | Centre of slew ring to rear dozer blade (lowered) | mm | 2498 |
| F | Width over stabilisers | mm | 2380 |
| G | Width over dozer blade | mm | 2430 |
| H | Stabiliser lift height | mm | 652 |
| I | Dozer lift height (clearance) | mm | 440 |
| J | Dozer blade height (lowered) | mm | 505 |
| K | Dozer dig depth | mm | 160 |

| ENGINE | |
|--------------------------|--|
| Model | JCB EcoMAX 444 TCA EU Stage IV EPA Tier 4 Final compliant |
| Type | 4-stroke, 4-cylinder in-line, common rail, direct injection, turbocharged and intercooled diesel |
| Rated power (ISO 14396) | 81 kW (109 hp) @ 2200 rpm |
| Gross torque (ISO 14396) | 516 Nm @ 1500 rpm |
| Piston displacement | 4.4 litres |
| Air filtration | Dry element with secondary safety element and in-cab warning sensor |
| Starting system | 12 volt |
| Batteries | 12 volt |
| Alternator | 12 volt, 150 ampere |

| MAIN HYDRAULIC SYSTEM | |
|-------------------------------------|---|
| System | Electronically controlled system using two variable displacement piston pumps plus twin gear pumps for steering, brakes and cooling |
| Services pump | 72cc variable displacement axial piston pump |
| Flow rate @ 2200rpm | 158.4 l/min |
| Excavator main relief pressure | 280 bar |
| Transmission pump – 40kph | 85cc variable displacement axial piston pump in a closed loop hydrostatic drive system independent from working hydraulics |
| Flow rate @ 2200rpm | 187 l/min |
| Transmission absolute pressure | 525 bar |
| Transmission pump – 20kph | 65cc variable displacement axial piston pump in a closed loop hydrostatic drive system independent from working hydraulics |
| Flow rate @ 2200rpm | 143 l/min |
| Transmission absolute pressure | 525 bar |
| High flow auxiliary | |
| High flow auxiliary pressure | 210 bar |
| High flow auxiliary max. flow | 120 l/min |
| Low flow auxiliary | |
| Low flow auxiliary pressure | 210 bar |
| Low flow auxiliary max. flow | 60 l/min |
| Second low flow auxiliary pressure | 210 bar |
| Second low flow auxiliary max. flow | 60 l/min |
| Hydraulic cylinders | Hardened, chromed piston rods with end damping on boom raise and dipper in |
| Filtration | |
| In tank | 125 micron suction strainer |
| Main return line | 10 micron return line filter |

| SLEW SYSTEM | |
|-------------|---|
| Slew motor | Axial piston type |
| Slew brake | Hydraulic braking plus automatic spring applied disc type parking brake |
| Slew torque | 27.0 kNm |
| Slew speed | 8.9 rpm |
| Slew gear | 11 tooth pinion / 84 tooth ring |

| TYRES | | | | |
|--------------------|--------------------------------|-------------------|-------------------------|-------------------|
| | Dual | Single | Single | Floatation |
| Type | 9.00x20 tyres with spacer ring | 405/70 x 20 tyres | Michelin XF 445/70R19.5 | 550/45 x22.5tyres |
| Inflation pressure | 7.0 bar | 4.0 bar | 4.0 bar | 3.8 bar |
| Ply/load rating | 14PR | 16PR | Radial 173A8/180A2 | 16PR |

| TURNING RADIUS | | |
|-------------------|---------------------|--|
| | To outside of tyres | To outer edge of front mounted dozer blade |
| | 4-Wheel Steer (mm) | 4-Wheel Steer (mm) |
| Dual wheels | 4163 | 4650 |
| Single wheels | 3946 | 4511 |
| Floatation wheels | 3946 | 4511 |

| TRAVEL SPEED | |
|--------------------|---|
| Max. roading speed | 40 kp/h |
| Drawbar pull | 45 kNm |
| Steering | Fully hydraulic system with 4-wheel steer, 2-wheel steer and crab steer |

| BRAKES | |
|---------------|--|
| Brakes | All hydraulic dual circuit brake system with positive brake back off |
| Parking brake | Built into the transmission |
| Gradability | 26.6° / 50% maximum continuous |

| SERVICE CAPACITIES | | |
|---------------------------|--------|-----------------------|
| Fuel tank | litres | 157 |
| Engine coolant | litres | 28 |
| Engine oil | litres | 14 |
| Hydraulic system | litres | 190 |
| Hydraulic tank | litres | 130 |
| Transmission (dropbox) | litres | 1 |
| Axle differentials (each) | litres | Front = 18, rear = 14 |
| Axle hubs (each) | litres | 2 |
| DEF fluid capacity | litres | 19 |

SPECIFICATION

OPERATING WEIGHTS

Machine equipped with no bucket, 75kg operator, 154kg fuel, dual tyres, 2000mm dipper.

| | | Monoboom | TAB |
|--------------------------------------|----|----------|-------|
| No dozer, no stabiliser | kg | 10208 | 10487 |
| Rear dozer | kg | 10750 | 11029 |
| Rear stabiliser | kg | 10636 | 10915 |
| Front dozer and rear stabiliser | kg | 11178 | 11457 |
| Front stabiliser and rear stabiliser | kg | 11064 | 11343 |

BUCKET AND ARM COMBINATIONS

| Bucket options | | GP Bucket | | | | | | | |
|-----------------|----------------|-----------|------|------|------|------|------|------|------|
| Bucket width | mm | 250 | 300 | 400 | 450 | 500 | 600 | 800 | 900 |
| Bucket capacity | m ³ | 0.06 | 0.08 | 0.11 | 0.13 | 0.15 | 0.19 | 0.27 | 0.31 |
| Bucket weight | kg | 102 | 109 | 107 | 113 | 120 | 135 | 166 | 179 |
| Monoboom | | | | | | | | | |
| 1.65m | | □ | □ | □ | □ | □ | □ | □ | □ |
| 2.00m | | □ | □ | □ | □ | □ | □ | □ | □ |
| 2.25m | | □ | □ | □ | □ | □ | □ | □ | □ |
| T.A.B. | | | | | | | | | |
| 1.65m | | □ | □ | □ | □ | □ | □ | □ | □ |
| 2.00m | | □ | □ | □ | □ | □ | □ | □ | □ |
| 2.25m | | □ | □ | □ | □ | □ | □ | □ | □ |

□ = Material weight up to 2000kg/m³.

● = Material weight up to 1600kg/m³.

■ = Material weight up to 1200kg/m³.

The above are to subject to ground conditions and are a guide only.

STANDARD/OPTIONAL EQUIPMENT

ENGINE

| | |
|---|---|
| JCB EcoMAX 444 TCA EU Stage IV EPA Tier 4 Final Compliant 81kW Engine | ● |
| Start pre-heat | ● |
| DEF tank (T4F) | ● |
| One touch idle | ● |
| Auto-idle function | ● |
| No DPF | ● |
| Heavy duty batteries | ● |
| Fuel filter with water separator | ● |
| Electronic engine control | ● |
| Fuel cooler | ● |
| Refuelling pump | + |
| Cold climate kit | + |

SAFETY

| | |
|--|---|
| Battery isolator | ● |
| Key | ● |
| 2GO | ● |
| Lockable fuel cap | ● |
| Full halogen worklights (2x boom, 2x cab front, 2x cab rear & 2x cab side) | ● |
| Full LED worklight upgrade | + |
| Rear-view camera | + |
| Fire extinguisher | + |
| FOPS level 2 guard | + |
| Heavy duty front screen guard | + |
| Reverse alarm kit | + |

CAB & INTERIOR

| | |
|---|---|
| Sound-insulated and 4 shock mounted cab | ● |
| Mechanical suspension seat | ● |
| Deluxe high fabric air suspension heated base seat | + |
| Height adjustable arm rests | ● |
| Sliding right window | ● |
| Immobiliser | ● |
| 7" colour monitor with rotary control | ● |
| Front window wiper | ● |
| Retractable 2" seatbelt | ● |
| 12V power socket | ● |
| Sunblind | ● |
| 13 air circulation vents | ● |
| Momentary park brake (defaults on) | ● |
| Locking brake pedal | ● |
| Opening front window and removable lower front window | ● |
| Travel speed indicator | ● |
| Highway / site mode | ● |
| Rear fog lights | ● |
| Cab heater | ● |
| Full climate control with air conditioning | + |
| Rain visor | + |
| Rear screen wiper with wash | + |
| Radio | + |

HYDRAULIC SYSTEM

| | |
|--|---|
| Boom / Arm / Bucket hose burst check valves | ● |
| ISO / SAE changeover | ● |
| Bucket to grab changeover | + |
| Smooth ride system | + |
| Hand held tool circuit | + |
| Hydraulic quickhitch | + |
| Proportional controls | ● |
| Hammer / Auxiliary pipework | ● |
| Hammer / Auxiliary with low flow pipework | + |
| Hammer / Auxiliary with 2x low flow pipework | + |
| Blanking caps for hydraulic pipework | + |
| Bio oil | + |
| Panolin oil | + |

LOWER STRUCTURE

| | |
|-----------------------------|---|
| 2/4 and Crab steering modes | ● |
| Reverse steer | + |
| Single tyres | + |
| Dual tyres | + |
| Flotation tyres | + |
| Dozer blade (front / rear) | + |
| Stabilisers (front / rear) | + |
| Wheel fenders | + |
| Grab stowage bar | + |
| Stabiliser street pads | + |
| Clevis towing kit | + |
| Rockinger towing kit | + |
| High angle exhaust | + |

DIG END

| | |
|------------------------------|---|
| Lifting shackle tipping link | ● |
| Bucket ram guard | + |

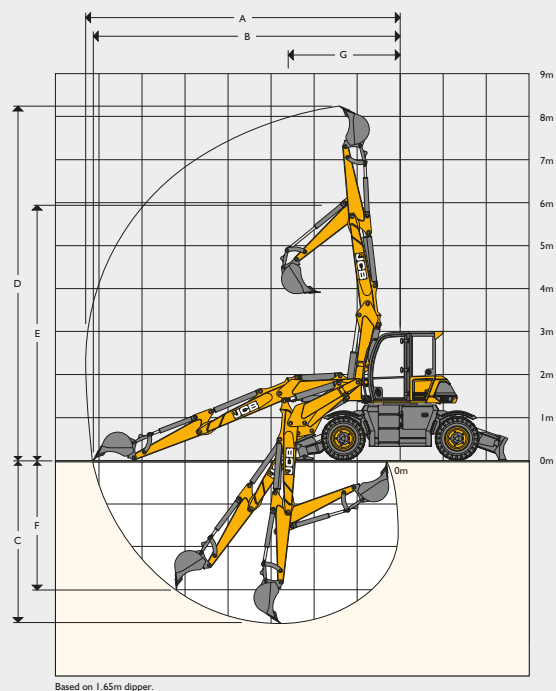
OTHER

| | |
|--|---|
| Cruise control | ● |
| LiveLink telematics (5yr) | ● |
| Remote fuel drain | + |
| Wheel chocks | + |
| Auto up function for dozer and stabilisers | + |
| Reversible fan | + |

STANDARD ●

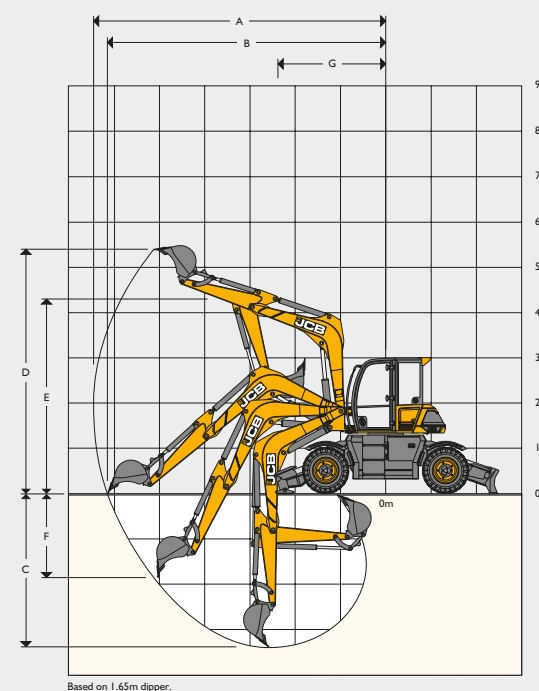
OPTIONAL +

WORKING RANGE – TAB



Based on 1.65m dipper.

WORKING RANGE – MONOBOOM



Based on 1.65m dipper.

WORKING RANGE: TAB

| Dipper length | | 1.65m | 2.0m | 2.25m | |
|---------------|--------------------------------|---------|------|-------|------|
| A | Max. digging reach | mm | 7420 | 7770 | 8020 |
| B | Max. digging reach (on ground) | mm | 7165 | 7530 | 7785 |
| C | Max. digging depth | mm | 3810 | 4160 | 4410 |
| D | Max. digging height | mm | 8195 | 8545 | 8795 |
| E | Max. loadover height | mm | 6380 | 6720 | 6965 |
| F | Max. vertical wall cut depth | mm | 3000 | 3315 | 3540 |
| G | Min. swing radius | mm | 2675 | 2920 | 3100 |
| | Boom swing left | degrees | 50 | | |
| | Boom swing right | degrees | 70 | | |
| | Bucket rotation | degrees | 184 | | |
| | Dipper tearout | kNm | 48.3 | 42.3 | 39 |
| | Bucket tearout | kNm | 60.2 | | |

WORKING RANGE: TAB

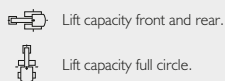
| Dipper length | | 1.65m | 2.0m | 2.25m | |
|---------------|--------------------------------|---------|------|-------|------|
| A | Max. digging reach | mm | 6455 | 6785 | 7020 |
| B | Max. digging reach (on ground) | mm | 6085 | 6445 | 6695 |
| C | Max. digging depth | mm | 3370 | 3720 | 3970 |
| D | Max. digging height | mm | 6445 | 6645 | 6790 |
| E | Max. loadover height | mm | 4710 | 4915 | 5060 |
| F | Max. vertical wall cut depth | mm | 1815 | 2135 | 2360 |
| G | Min. swing radius | mm | 2645 | 2685 | 2715 |
| | Boom swing left | degrees | 50 | | |
| | Boom swing right | degrees | 70 | | |
| | Bucket rotation | degrees | 184 | | |
| | Dipper tearout | kNm | 48.3 | 42.3 | 39 |
| | Bucket tearout | kNm | 60.2 | | |

SPECIFICATION

| LIFT CAPACITIES: 1.65M DIPPER WITH STABS AND DOZER DEPLOYED | | | | | | | | | | | MONOBOOM |
|---|---|---|---|---|---|---|---|---|---|---|----------|
| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | - | - | - | - | 1772* | 1772* | 4909 |
| 3.0m | 2512* | 2512* | 2059* | 2059* | - | - | - | - | 1897* | 1897* | 5538 |
| 1.5m | 4587* | 4587* | 2921* | 2921* | 2279* | 1925 | - | - | 2069* | 1605 | 5629 |
| 0m | 5076* | 4036 | 3350* | 2593 | 2466* | 1874 | - | - | 2306* | 1760 | 5218 |
| -1.0m | 4733* | 4048 | 3166* | 2580 | - | - | - | - | 2518* | 2117 | 4586 |

| LIFT CAPACITIES: 1.65M DIPPER OFF DUAL TYRES | | | | | | | | | | | MONOBOOM |
|--|---|---|---|---|---|---|---|---|---|---|----------|
| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | - | - | - | - | 1757* | 1757* | 4802 |
| 3.0m | 2399* | 2399* | 1978* | 1978* | - | - | - | - | 1873* | 1281 | 5500 |
| 1.5m | 4410* | 2976 | 2840* | 1975 | 2240* | 1423 | - | - | 2040* | 1181 | 5642 |
| 0m | 5110* | 2845 | 3332* | 1874 | 2463* | 1367 | - | - | 2269* | 1259 | 5284 |
| -1.0m | 4818* | 2828 | 3224* | 1856 | - | - | - | - | 2474* | 1475 | 4708 |











| LIFT CAPACITIES: 2.0M DIPPER WITH STABS AND DOZER DEPLOYED | | | | | | | | | | | MONOBOOM |
|--|---|---|---|---|---|---|---|---|---|---|----------|
| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | - | - | - | - | 1599* | 1599* | 5298 |
| 3.0m | - | - | 1765* | 1765* | 1696* | 1696* | - | - | 1585* | 1585* | 5879 |
| 1.5m | 4153* | 4153* | 2692* | 2692* | 2138* | 2138* | - | - | 1733* | 1463* | 5966 |
| 0m | 5027* | 4017 | 3283* | 2582 | 2427* | 1853 | - | - | 2095* | 1581 | 5583 |
| -1.0m | 4905* | 4016 | 3251* | 2545 | 2304* | 1846 | - | - | 2285* | 1839 | 5014 |













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: 2.0M DIPPER OFF DUAL TYRES MONOBOOM

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | - | - | - | - | 1580* | 1580* | 5202 |
| 3.0m | - | - | 1679* | 1679* | 1660* | 1660* | - | - | 1577* | 1161 | 5845 |
| 1.5m | 3959* | 3035 | 2612* | 1991 | 2090* | 1425 | - | - | 1696* | 1073 | 5978 |
| 0m | 5018* | 2825 | 3250* | 1867 | 2415* | 1354 | - | - | 2059* | 1130 | 5646 |
| -1.0m | 4949* | 2793 | 3282* | 1832 | 2354* | 1339 | - | - | 2244* | 1286 | 5119 |


LIFT CAPACITIES: 2.25M DIPPER WITH STABS AND DOZER DEPLOYED MONOBOOM

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | 1314* | 1314* | - | - | 1414* | 1414 | 5574 |
| 3.0m | - | - | 1550* | 1550* | 1548* | 1548* | 1588* | 1588* | 1388* | 1388 | 6125 |
| 1.5m | 3805* | 3805* | 2526* | 2526* | 2017* | 2017* | 1784* | 1447 | 1504* | 1504 | 6207 |
| 0m | 4962* | 4029 | 3199* | 2570 | 2379* | 1844 | - | - | 1833* | 1468 | 5846 |
| -1.0m | 4959* | 3983 | 3272* | 2530 | 2369* | 1826 | - | - | 2135* | 1680 | 5305 |

LIFT CAPACITIES: 2.25M DIPPER OFF DUAL TYRES MONOBOOM

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | - | - | 1312* | 1312* | - | - | 1440* | 1440* | 5488 |
| 3.0m | - | - | 1500* | 1500* | 1508* | 1508* | 1577* | 1102 | 1382* | 1082 | 6091 |
| 1.5m | 3596* | 3070 | 2423* | 1999 | 1972* | 1426 | 1763* | 1065 | 1474* | 1002 | 6218 |
| 0m | 4923* | 2828 | 3157* | 1856 | 2360* | 1347 | - | - | 1762* | 1046 | 5903 |
| -1.0m | 5012* | 2785 | 3285* | 1816 | 2394* | 1322 | - | - | 2093* | 1174 | 5409 |

 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.

SPECIFICATION











LIFT CAPACITIES: 1.65M DIPPER WITH STABS AND DOZER DEPLOYED TAB

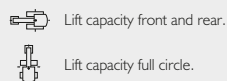
| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|---|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | |
| 4.5m | 1827* | 1827* | 2105* | 2105* | 1767* | 1767* | - | - | 1516* | 1298 | 5964 |
| 3.0m | - | - | 2566* | 2212 | 1954* | 1684 | 1512* | 1277 | 1384* | 1106 | 6518 |
| 1.5m | - | - | 2913* | 2188 | 2147* | 1604 | 1625* | 1232 | 1395* | 1060 | 6632 |
| 0m | - | - | 2691* | 2129 | 2024* | 1556 | 1500* | 1213 | 1230* | 1060 | 6339 |
| -1.0m | 2789* | 2789* | 2250* | 1940 | 1695* | 1461 | - | - | 1042* | 1042* | 5887 |

LIFT CAPACITIES: 1.65M DIPPER OFF DUAL TYRES TAB

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|---|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | |
| 4.5m | 1827* | 1827* | 2105* | 2105* | 1767* | 1422 | - | - | 1516* | 1030 | 5964 |
| 3.0m | - | - | 2566* | 1886 | 1954* | 1358 | 1512* | 1018 | 1384* | 878 | 6518 |
| 1.5m | - | - | 2913* | 1725 | 2147* | 1276 | 1625* | 983 | 1395* | 845 | 6632 |
| 0m | - | - | 2691* | 1688 | 2024* | 1242 | 1500* | 971 | 1230* | 909 | 6339 |
| -1.0m | 2789* | 2789* | 2250* | 1719 | 1695* | 1256 | - | - | 1042* | 1042* | 5887 |

LIFT CAPACITIES: 2.00M DIPPER WITH STABS AND DOZER DEPLOYED TAB











| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | mm |
|----------------|---|---|---|---|---|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | |
| 4.5m | - | - | 1908* | 1908* | - | - | 1385* | 1194 | 1336* | 1152 | 6358 |
| 3.0m | - | - | 2412* | 2412* | 1844* | 1590 | - | - | 1232* | 1006 | 6874 |
| 1.5m | - | - | 2846* | 2196 | 2095* | 1596 | 1559* | 1222 | 1241* | 968 | 6982 |
| 0m | - | - | 2766* | 2104 | 2052* | 1532 | 1568* | 1191 | 1142* | 985 | 6706 |
| -1.0m | 3182* | 3182* | 2406* | 2074 | 1810* | 1530 | 1275* | 1099 | 991* | 991* | 6288 |









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.
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









LIFT CAPACITIES: 2.0M DIPPER OFF DUAL TYRES **TAB**

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | 1908* | 1908* | - | - | 1385* | 1043 | 1336* | 919 | 6358 |
| 3.0m | - | - | 2412* | 1920 | 1844* | 1365 | - | - | 1232* | 795 | 6874 |
| 1.5m | - | - | 2846* | 1729 | 2095* | 1268 | 1559* | 972 | 1241* | 766 | 6982 |
| 0m | - | - | 2766* | 1662 | 2052* | 1219 | 1568* | 949 | 1142* | 818 | 6706 |
| -1.0m | 3182* | 3182* | 2406* | 1673 | 1810* | 1223 | 1275* | 959 | 991* | 991* | 6288 |


LIFT CAPACITIES: 2.25M DIPPER WITH STABS AND DOZER DEPLOYED **TAB**

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | 1582* | 1582* | 1598* | 1598* | 1325* | 1325* | 1226* | 1057 | 6636 |
| 3.0m | - | - | 2149* | 2149* | 1770* | 1526 | 1386* | 1195 | 1135* | 940 | 7127 |
| 1.5m | - | - | 2777* | 2204 | 2056* | 1600 | 1512* | 1217 | 1142* | 906 | 7231 |
| 0m | - | - | 2795* | 2088 | 2063* | 1520 | - | - | 1081* | 932 | 6967 |
| -1.0m | 2908* | 2908* | 2500* | 2078 | 1871* | 1510 | 1369* | 1171 | 950* | 950 | 6570 |

LIFT CAPACITIES: 2.25M DIPPER OFF DUAL TYRES **TAB**

| Reach | 3m | | 4m | | 5m | | 6m | | Capacity at Max Reach | | |
|----------------|---|---|---|---|--|---|---|---|---|---|------|
| |  |  |  |  |  |  |  |  |  |  | |
| Load Point Ht. | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | mm |
| 4.5m | - | - | 1582* | 1582* | 1598* | 1598* | 1325* | 1052 | 1226* | 848 | 6636 |
| 3.0m | - | - | 2149* | 2149* | 1770* | 1372 | 1386* | 1018 | 1135* | 740 | 7127 |
| 1.5m | - | - | 2777* | 1734 | 2056* | 1270 | 1512* | 965 | 1142* | 713 | 7231 |
| 0m | - | - | 2795* | 1645 | 2063* | 1204 | - | - | 1081* | 759 | 6967 |
| -1.0m | 2908* | 2908* | 2500* | 1646 | 1871* | 1202 | 1369* | 933 | 950* | 950* | 6570 |

 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.



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