

NEW



MIDI EXCAVATOR | 85Z-2/86C-2/90Z-2/100C-2

Operating weight: 8300/9750kg Net engine power: 45.4kW



A BETTER PLACE TO WORK.

WE'VE ALWAYS BELIEVED THAT HAVING A COMFORTABLE, EASY TO USE WORKING ENVIRONMENT MAKES FOR A MORE PRODUCTIVE OPERATOR. THAT'S WHY OUR NEW 8-10 TONNE, DASH 2 MIDI EXCAVATOR CABS HAVE BEEN UPGRADED TO PROVIDE EASY TO SEE INFORMATION AND EASY TO USE CONTROLS, MAKING THEM GREAT PLACES TO WORK.

All-day comfort.

1 The cab is incredibly spacious and its large door provides easy, safe access. Inside, these new dash 2 models have more floor space than before.

2 For improved efficiency and reduced component wear, the new 8-10 tonne range feature a fully automatic hydraulic warm-up system. This warms the hydraulic circuit to the optimum temperature for operation.

3 All new instrumentation with a 7" portrait display screen and rotary controlled dial as the main navigation tool. The display incorporates a health check information as standard and optional lift overload and rear safety camera.

4 A new Bluetooth radio with hands free, auxiliary socket and 12V phone charger, powerful heater with window de-mister and a high performing air conditioning system with 9 vents completes the picture.

To ensure all-day operator comfort, there's fully adjustable suspension seating with an optional heated air suspension seat with independent adjustable positions. Switches are ergonomically laid out around a crystal clear informative colour LCD display with optional reversing camera.



Complete command of hydraulics.

5 The proportional hydraulic circuits have standard tool select for up to 10 attachments. The operator can easily manage modes and flows via the new digital screen and rotary dial.

6 With the new and improved ergonomic electro-hydraulic dozer control as standard, operators can achieve smooth and precise grading control.

The option of a third auxiliary line gives the ability to operate tilt rotators to further enhance versatility and ease of use.

7 The optional 4-way dozer can be angled right and left which, combined with the dozer float function makes levelling and backfilling work incredibly easy, even on inclines and uneven terrain.

8 Our fully CE marked, factory-fitted hydraulic quickhitch is another option to add to your machine, which is a great benefit for changing attachments quickly.

Attachment changeover is also made easy with the hydraulic circuits auxiliary venting system, simply managed through the new membrane switch.



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QUALITY YOU CAN RELY ON.

CUSTOMERS DEMAND HIGH QUALITY, RELIABLE AND DURABLE MACHINES THAT STAND THE TEST OF TIME. THAT'S WHY OUR LATEST, 8-10 TONNE DASH 2 MIDI EXCAVATORS ARE DESIGNED AND BUILT TO BE ROBUST WITH 100% STEEL BODYWORK PLUS STRONG AND RELIABLE COMPONENTS.

With a finite element analysis-designed, heavy-duty structure as well as simplified H-frame construction, the undercarriage is both durable and gives complete confidence.



Structural strength.

- 1 Our fully robot welded boom and dipper is made from high tensile strength steel, with internal baffle plates for long-life durability.
- 2 Our clean and elegant four-plate dipper design provides added structural strength.
- 3 The bodywork on our midi excavators is made exclusively from pressed steel with no plastic, so it's strong and easy to repair.



Designed for hard work.

4 Our new 8-10 tonne dash 2 machines boast a heavy-duty kingpost which features durable re-bushable pivots to optimise service life. It also provides a safe route for all excavator hoses.

5 Because the cab door sits within the counterweight length when folded back, it's well protected from damage throughout operation.

The finest componentry.

Our components are supplied by leading manufacturers such as JCB Diesel by Kohler engines, Bridgestone tracks and Nachi and Bosch-Rexroth hydraulics, for added reassurance.

6 High quality 450mm rubber tracks with interlocking links will perform in even the most arduous applications.

Our 450mm steel tracks are pre-drilled to allow easy fitment of bolt on rubber pads.

There is also the option of 600mm steel tracks for greater ground bearing pressure capabilities or dedicated road liner pads (GeoGrip), which enable individual segments to be replaced if damaged.

7 The heavy duty boom cylinder guard provides excellent protection with optional dipper and bucket cylinder guards available for more arduous applications.



HIGH PERFORMANCE WITH LOW EMISSIONS.

THE NEW JCB 8-10 TONNE DASH 2 MACHINES FEATURE THE NEW CLEANER, STAGE V ENGINE WITH NO COMPROMISE ON PERFORMANCE AND NO ADBLUE. PEAK POWER AND TORQUE AT LOW ENGINE SPEEDS MAKES FOR EFFICIENT CYCLES, WHILE NEW INNOVATIVE FEATURES HELP TO GET THE MOST FROM EVERY DROP OF FUEL.

Complete midi productivity.

1 Our new 8-10 tonne midi excavators have a JCB Diesel by Kohler advanced common rail, Stage V compliant engine. This boasts a combined DPF and DOC canister, turbocharger and intercooler, with no need for AdBlue.

2 Based on the 8 tonne platform and powered by a larger engine, the 90Z-2 and 100C-2 allow operation within more confined areas than larger excavators but with the ability to dig parallel to walls with ease. The 90Z-2 and 100C-2 can also be operated using an under 10 tonne licence* making them ideal for the rental market. High tractive effort and tracking, ensures high dozing capabilities and fast travel times. To increase productivity, our auto kick-down motors automatically adapt to changes in terrain, increasing productivity and reducing operator fatigue.

*May vary by region.

3 For ultimate lift capacity and stability, opt for our 86C-2 model with optional triple articulated boom (TAB) giving you a greater working range with extended reach, closer digging and higher dumping capability.



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ZTS or CTS?

We offer both zero and conventional tailswing configurations, but choosing the right one for you depends on your application as both setups can boost productivity in different ways. CTS gives greater stability, lifting capacity and a larger dig end; ZTS offers more manoeuvrability (especially in confined spaces) because operators don't have to worry about what's around them.

Innovative hydraulics.

- 4 A premium closed centre pump and valve provides excellent flow sharing for smooth, precise and balanced operation during multifunctioning.
- 5 Versatility is part of the package: our twin auxiliary lines generate both high and low hydraulic flows for an array of attachment operation.

Dozer design.

- 6 The proven dozer profile and angle provides high performance with easy-clean low soil retention. Tapered lift points are positioned behind the edge of the blade, providing excellent protection.
- 7 A 4 way angled dozer blade option to speed up trench backfilling, allied with a float option for easier ground levelling and efficient site clean up.

At the dig end.

- 8 Bucket rotation is an impressive 188°, offering great spoil retention during truck loading. Choose a dipper length to suit your application – from 1.65-2.25m, providing total versatility.
- 9 Our boom and dipper are perfectly matched, creating optimal dig end geometry. This makes it easier to work and load in confined areas.



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SAFETY AND SERVICEABILITY.

A SAFE SITE IS OF PARAMOUNT IMPORTANCE TO ANY OWNER, AS IS MACHINERY THAT'S EASY AND QUICK TO SERVICE. THE NEW 8-10 TONNE DASH 2 MACHINES HAVE SAFETY AND SERVICEABILITY FEATURES THAT PROTECT MACHINERY, OPERATORS AND BYSTANDERS ALIKE, AS WELL AS MINIMISING DOWNTIME.

Safer by design.

1 The new advanced lift overload feature gives a visual indication of the lifting limits of the machine which is displayed on the new screen. This incorporates a status bar with a coloured warning system accompanied by an audible alarm.



All new Dash 2 midi excavators have excellent stability thanks to a large track frame width and low centre of gravity.

JCB's safety lever lock fully isolates all hydraulic functions to prevent unintended movement.

2 Our unique 2GO system ensures your midi excavator hydraulics can be operated with a simple two-step process. Simply put the LH Control pod down and press the '2GO' button, this protects against accidental operation for ultimate safety.



3 The fully compliant ROPS and TOPS* cab has excellent front visibility courtesy of a 70/30 front screen split. It also provides a clear view of the front right track for easy, safe trench digging and manoeuvring. Overall, we have improved overhead visibility from the cab making truck loading easier and safer.

Optional LED lights accommodate the 'follow me home' function. When selected, the lights will remain on for 3 minutes even when the machine is switched off, illuminating the area and allowing the operator to get off the work site safely.

4 Additional tie down points have been introduced, 4 of which are integral to the upper structure and 4 more on the outer track frame. In total there are 12 anchoring points ensuring easy fastening of the machine and most importantly, safety when transporting between jobs.

5 Seat belt isolation option on the 8-10 tonne dash 2 machines means the hydraulics are isolated until the seat belt is engaged. An optional green beacon indicates when this has been done.

*Model and specification dependant.



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SAFETY AND SERVICEABILITY.

UPON FIRST IGNITION THE HEALTH CHECK INFORMATION ON THE NEW DISPLAY SCREEN WILL HIGHLIGHT ANY POSSIBLE ISSUES BEFORE OPERATION. INFORMATION INCLUDES FUEL LEVELS, ANY ACTIVE FAULTS, AIR FILTER CONDITION, ANY WATER PRESENT IN THE FUEL, HYDRAULIC OIL LEVEL AND COOLANT LEVEL.

Routine servicing.

1 All dig end and dozer greasing intervals are best-in-class at 500 hours, due to our graphite impregnated bronze bushes which save time and money. JCB's open frame undercarriage design with sloping track legs minimises material build-up for easier cleaning.

2 Underneath the wide opening steel bonnet you can easily fill the fuel tank from ground level. This is made even easier with the external diesel indicator. The optional refuelling pump features an auto stop function for reduced spillage and increased safety. The hydraulic valve block is isolated from the chassis by rubber mounts for reduced noise and vibration.

JCB midis have the best SAE service rating on the market, partly because routine checks can be done easily without special tools, and also thanks to the gas-strutted 30° tilting cab.



Further maintenance.

3 The two-piece floor mat is removable for easy cleaning while the anti slip cast tread plate provides safe entry and exit as well as long term protection to the paint bodywork.

4 Our DPF regeneration system automatically burns accumulated particulate matter which keeps the canister clean, with the actual regeneration condition displayed on the digital display panel. Regeneration can be turned off with the inhibit switch when the excavator is operating in areas where there is a fire risk.

5 Key components are easy to get to; there's a large inspection cover for the rotary joint and slew bearing, removable side skirts and in-fill panel. The sealed idler tension unit stops soil build-up and dozer hoses terminate at the bulkhead for simple replacement.

6 With 500 hour greasing and a gas-strutted tilting cab which allows easy routine checks, JCB midis have the best SAE service rating on the market.

7 Lifting is made easier thanks to the tapered lift points at each end of the dozer. The lift points are behind the edge of the dozer blade for extra protection whilst on site.

8 The new dash 2 machines all feature colour-coded hydraulic hoses for easy identification.



LOW COST OF OWNERSHIP.

WHETHER YOU'RE A RENTAL COMPANY OR CONTRACTOR, JCB DASH 2 MIDI EXCAVATORS ARE DESIGNED TO GIVE YOU MORE THAN JUST GREAT PERFORMANCE AND LONG SERVICE LIFE.

A great investment.

- 1** One-Touch-Idle allows the engine revs automatically drop to idle speed. It can be activated by simply pressing the new rotary controller dial. Coupled with the unique below idle feature, which when the operator's armrest is lifted the engine revs automatically drop below idle. This unique feature improves fuel economy and reduces noise levels.
- 2** Auto Idle can be programmed to activate between 2 and 30 seconds after the controls have been inactive to increase fuel efficiency. Control your engine speed with four different modes with eight bands to easily toggle. This includes, light, general, heavy and heavy plus, all of which can be tailored to suit your application.
- 2** Fitted as standard, the programmable timed Auto Stop function reduces fuel consumption and emissions. A 30 second count down indicator appears before the engine and system shut down.
- 3** Identical bucket pin geometry to the world-leading JCB 3CX backhoe loader means attachments are fully interchangeable.



The load sensing hydraulics on Dash 2 machines only consume power on demand, conserving fuel for when you need it most.

Because damage sometimes happens on site, flat glass windows are used throughout to minimise replacement costs.

The patented near zero pressure return line circuit further improves fuel efficiency as the pump does not need to overcome as high a pressure before any work can be done.



TAB BOOM VERSATILITY.

THE NEW 86C-2 CAN BE EQUIPPED WITH AN OPTIONAL TRIPLE ARTICULATED BOOM (TAB) TO LET YOU TAKE ON TOUGHER JOBS IN A WIDER RANGE OF SITES AND CONDITIONS. IT LETS YOU REACH FURTHER, DIG CLOSER AND DUMP HIGHER FOR EVEN GREATER PRODUCTIVITY.

- 1** The versatile TAB boom provides a long reach making it ideal for levelling large areas.
- 2** It makes it easier to dig close to the machine and in narrow spaces without constant repositioning.
- 3** A higher reach and bucket bottom position makes it smoother and easier to load into lorries.
- 4** The TAB boom makes it easier to manoeuvre for easy and efficient vertical digging especially in tight spaces.





LIVELINK TELEMATICS.

LiveLink telematics helps you monitor and manage your machine fleet remotely anywhere in the world by radically improving the efficiency, productivity, safety and security of all your JCB and non JCB machine fleet.

MACHINE EFFICIENCY: Keep track of your machine's daily activity with regular performance reports which provide information about idle time, location, machine health, error codes for diagnostics, engine utilisation by power band, safety alerts, and fuel consumption. JCB LiveLink ensures machines are kept running for maximum uptime and return on investment.

MACHINE RELIABILITY: Accurate hours and service alerts improve maintenance planning to optimise machine productivity.

MACHINE SECURITY: LiveLink's real time geo-fencing alerts tell you when machines move out of predetermined zones. Curfew alerts inform you of unauthorised usage.



Track the location of any asset via Bluetooth connection.



An after market telematics solution which can be retrofitted to any machine.



COMPLETE CONTROL FOR YOUR FLEET.

LiveLink Fleet enables you to track every aspect of your equipment to maximise efficiency and machine uptime.

GUESS LESS, KNOW MORE: Equipment issues and service reminders are logged as soon as they occur, helping you to react quickly.

YOUR EYES ON THE GROUND: Integrate LiveLink Fleet with the JCB Operator mobile app and data from your operators' daily equipment checks feed instantly into your dashboard.

TOTAL PEACE OF MIND: Operator safety alerts help to ensure machines are being used efficiently and safely.

SMARTER TOOLS. SMARTER DECISIONS: From hours worked to fuel wastage, access custom analytics on your fleet to make smarter decisions, quicker.

EFFORTLESS MEETS PAPERLESS: Access certificates, warranty information, quick start machine guides and manuals.

The JCB Operator app

THEY SPOT IT, YOU KNOW IT.

The JCB Operator app gives you faster, clearer and more accurate information about your fleet, direct from the people using your equipment each day.

STAY IN TOUCH: Get regular checks on your machine with visibility in the LiveLink Fleet portal.

TAILOR YOUR CHECKS: Customise your checklists to suit any application, customer or site.

UPLOAD TO KEEP UPDATED: Upload useful information with photos and comments.

FULLY COMPATIBLE: The JCB Operator app works with non telemetry related machines and assets.

ACCESS ALL INFORMATION: Get access to documentation such as quick start guides.

*The individual features of LiveLink Telematics, LiveLink Fleet and Operator App vary per region, engine and machine type.

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 18 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.

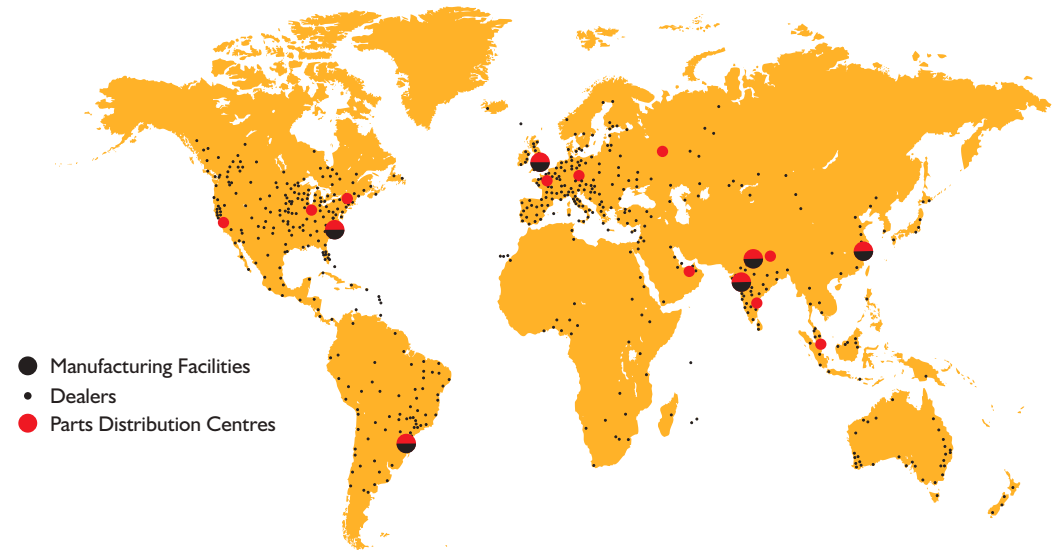


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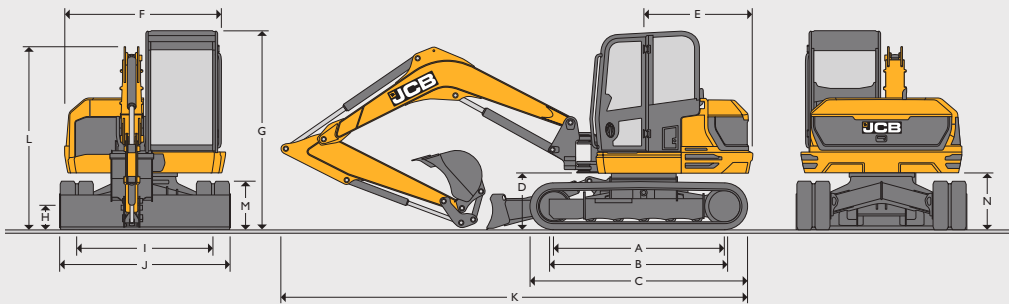
3 JCB offers comprehensive extended warranties as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



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

SPECIFICATION
85z-2/86c-2/90z-2/100c-2 MIDI EXCAVATORS
STATIC DIMENSIONS


| Machine model | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|---|-------|-------|-----------|-------|--------|
| A Sprocket idler centres | | | 2325 | | |
| B Track length on ground | | | 2325 | | |
| C Undercarriage overall length – rubber | | | 2950 | | |
| Undercarriage overall length – steel | | | 2900 | | |
| D Kingpost clearance | | | 793 | | |
| E Tailswing radius | 1145 | 1490 | 1600 | 1145 | 1601 |
| F Overall width of superstructure | 2168 | 2187 | | 2187 | |
| G Height over cab | | | 2706 | | |
| H Ground clearance | | | 350 | | |
| I Track gauge | | | 1850 | | |
| J Width over tracks (450 shoes) | | | 2300 | | |
| K Transport length with standard dipper | 5833 | 6435 | 6655 | 6585 | 6860 |
| L Transport height with standard dipper | | | 2706 | | |
| M Track height | | | 650 | | |
| N Counterweight clearance | | | 762 | | |

ENGINE

| Machine model | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|------------------------|----------------------|-------|-----------|-------|--------|
| Model | Stage V KDI 2504 TCR | | | | |
| Fuel | Diesel | | | | |
| Cooling | Water cooled | | | | |
| Gross power ISO 14396 | kW (hp) @ 2200 rpm | | 48 | 55 | |
| Net power | kW (hp) @ 2200 rpm | | 45.4 | 52.4 | |
| Gross torque ISO 14396 | Nm @ 1500 rpm | | 305 | | |
| Displacement | cc / litres | | 2500 | | |
| Gradeability | degrees | | 30 | | |
| Starter motor | kW (hp) | | 3.2 | | |
| Battery | volt / Ah | | 12V, 750 | | |
| Alternator | volt / amps | | 12V, 100 | | |

UNDERCARRIAGE

| Machine model | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|----------------------|--------|-------|-----------|-------|--------|
| No of top rollers | | | 1 | | |
| No of bottom rollers | | | 5 | | |
| Track width | mm | | 450 | | |
| Track width optional | mm | | 600 | | |
| Ground clearance | mm | | 350 | | |
| Track tensioning | Grease | | | | |
| Travel speed – low | kph | | 2.5 | 2.4 | |
| Travel speed – high | kph | | 5 | 4.6 | 4.4 |
| Tractive effort | kN | 61 | 65 | 58 | 59.8 |

HYDRAULIC SYSTEM

| Machine model | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|--------------------------------------|-------|-------|-----------|-------|--------|
| Nominal output @ 2200 | lpm | | 158.4 | 148 | |
| Excavator/track main relief pressure | bar | | 300 | | |
| Slew main relief pressure | lpm | | 226 | | |
| Auxiliary low flow | lpm | | 40 | | |
| Auxiliary high flow | lpm | | 100 | | |
| Auxiliary low flow | bar | | 190 | | |
| Auxiliary high flow | bar | | 190 | | |

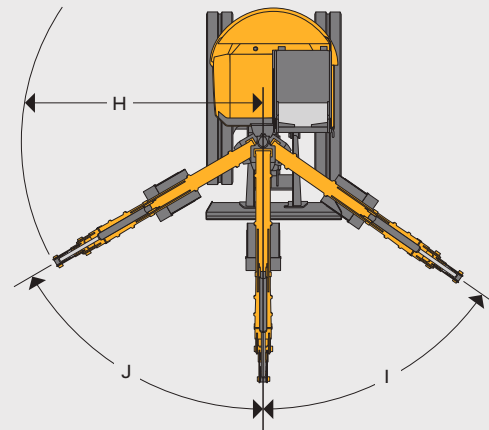
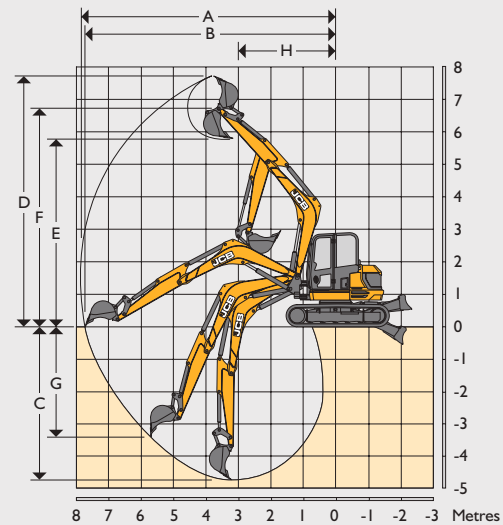
WEIGHTS

| Machine model | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|---|--------------------|-------|-----------|-------|--------|
| Operating weight* (450mm rubber tracks) | 8300 | 8600 | 9750 | 8900 | 9750 |
| Shipping** weight (450mm rubber tracks) | 7950 | 8720 | 9400 | 8550 | 9400 |
| With FOGS guard roof – Stage 1 | kg | | +14 | +14 | |
| With FOGs guard roof – Stage 1 HVAC | kg | | +49 | +49 | |
| With FOGs guard front – Stage 2 | kg | | +38 | +97 | |
| With FOGs guard roof – Stage 2 | kg | | +60 | | |
| With steel tracks (450mm) | kg | | +195 | +184 | |
| With steel tracks (600mm) | kg | | +408 | +367 | |
| With Bridgestone geogrips | kg | | +134 | +134 | |
| With wide dozer (2470mm) | kg | | +18 | +18 | |
| With narrow dozer (2220mm) | kg | | -17 | -5 | |
| With 4 way dozer | kg | | +205 | +217 | |
| Mechanical Quickhitch | kg | | +95 | +95 | |
| Hydraulic Quickhitch | kg | | +67 | | |
| With Long Dipper (2250mm) | kg | | +16 | +16 | |
| With short dipper (1650mm) | kg | | -48 | -48 | |
| Ground bearing pressure (450mm rubber tracks) | kg/cm ² | 0.40 | 0.41 | 0.45 | 0.41 |
| Ground bearing pressure (450mm steel tracks) | kg/cm ² | 0.40 | 0.42 | 0.46 | 0.42 |
| Ground bearing pressure (600mm steel tracks) | kg/cm ² | 0.31 | 0.32 | 0.35 | 0.31 |

*Operating weight to ISO 6016 including Cab, Rubber Tracks, Standard dipper, 450mm bucket (85z-2, 86c-2, 86c-2 TAB), 600mm bucket (90z), 900mm (100c adding 43kg of weight), full tanks, and a 75kg operator.

**Shipping weight to ISO 6016 is mass of the base machine without an operator, with fuel level at 10% of tank capacity.

WORKING RANGE



| | | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 | | |
|---|--|---------|--------------------|--------------------|-----------------------------------|--------------------|--------------------|-----|
| | Boom length | mm | 2900 | 3360 | Boom in = 2828 Boom out = 3917 | 3360 | 3682 | |
| | Dipper length | mm | 1650 / 2100 / 2250 | | | | | |
| A | Max digging reach | mm | 6596 / 7029 | 6815 / 7244 / 7387 | 7246 / 7844 / 7989 | 6940 / 7542 / 7495 | 7065 / 7475 / 7560 | |
| B | Max digging reach on ground | mm | 6401 / 6848 | 6635 / 7075 / 7225 | 7409 / 7691 / 7840 | 6807 / 7269 / 7389 | 6888 / 7315 / 7438 | |
| C | Max digging depth – dozer up | mm | 3234 / 3684 | 3931 / 4381 / 4531 | 4022 / 4472 / 4622 | 3931 / 4381 / 4531 | 4221 / 4670 / 4820 | |
| | Max digging depth – dozer down | mm | 3615 / 3715 | 3922 / 4372 / 4522 | 4013 / 4463 / 4613 | 4218 / 4668 / 4818 | 4491 / 4940 / 5090 | |
| D | Max digging height | mm | 6487 / 6836 | 6848 / 7181 / 7293 | 7776 / 8180 / 8315 | 6853 / 7181 / 7297 | 7018 / 7321 / 7478 | |
| E | Max dump / load-over height | mm | 4674 / 5023 | 5061 / 5395 / 5506 | 5900 / 6304 / 6439 | 4970 / 5320 / 5419 | 5186 / 5490 / 5660 | |
| F | Max height to dipper nose pivot pin | mm | 5547 / 5896 | 5914 / 6248 / 6359 | 6832 / 7236 / 7371 | 5914 / 6248 / 6357 | 6128 / 6435 / 6537 | |
| G | Max vertical wallcut depth | mm | 2525 / 2941 | 2736 / 3151 / 3289 | 3366 / 3782 / 3920 | 3239 / 2890 / 3821 | 1877 / 2257 / 3507 | |
| H | Min. front swing radius (no offset) | mm | 2847 / 3047 | 2554 / 2679 / 2721 | 2223 / 2272 / 2288 | 2958 / 3102 / 3156 | 2705 / 2863 / 2906 | |
| | Min. front swing radius (fully offset) | mm | 2478 / 2660 | 2310 / 2427 / 2466 | 1919 / 1963 / 1978 | 2364 / 2508 / 2562 | 2162 / 2360 / 2408 | |
| I | Boom swing left | degrees | 55 | | | | | |
| J | Boom swing right | degrees | 60 | | | | | |
| | Bucket rotation | degrees | 188 | | | | | |
| | Dipper rotation | degrees | 114 | 122 | 126 | 114 | 122 | |
| | Bucket tearout | kN | 57.1 | | | | | |
| | Dipper tearout | kN | 49.9 / 42.3 / 40.3 | | | | | |
| | Slew speed | rpm | 10 | | | | 7.9 | 8.2 |

DOZER

| Machine model | | 85z-2 | 86c-2 | 86c-2 TAB | 90z-1 | 100c-1 |
|--------------------------|---------|-------|-------|-----------|-------|--------|
| Dozer length | mm | | | | | 1497 |
| Max height above ground | mm | | | | | 471 |
| Dig depth below ground | mm | | | | | 461 |
| Approach angle | degrees | | | | | 27.8 |
| Width | mm | | | | | 2320 |
| Height | mm | | | | | 473 |
| Reach in front of tracks | mm | | | | | 615 |

OPERATOR STATION

| Machine model | | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|---|----|-------|-------|-----------|-------|--------|
| Cab/canopy height | mm | | | | | 1554 |
| Cab/canopy height with FOGS guard LEVEL 1 | mm | | | | | 1643 |
| Cab/canopy height with FOGS guard LEVEL 2 | mm | | | | | 1730 |
| Cab/canopy length | mm | | | | | 1942 |
| Cab/canopy width | mm | | | | | 1040 |
| Distance from seat base to roof | mm | | | | | 1120 |
| Door aperture width | mm | | | | | 612 |

SERVICE CAPACITIES

| Machine model | | 85z-2 | 86c-2 | 86c-2 TAB | 90z-2 | 100c-2 |
|------------------|---|-------|-------|-----------|-------|--------|
| Fuel tank | l | | | | | 112 |
| Engine coolant | l | | | | | 12.1 |
| Engine oil | l | | | | | 11.2 |
| Hydraulic system | l | | | | | 118 |
| Hydraulic tank | l | | | | | 66 |

NOISE/VIBRATION (85Z-2, 86C-2)

| | | | | Uncertainty | Measurement Conditions |
|---|-------|-------|------|-------------|------------------------|
| Noise at the operator station (Lpa) | 76 dB | (KpA) | 0 dB | | ISO 6396: 2008 |
| Noise emission from the machine (Lwa) | 95 dB | (KwA) | 3dB | | ISO 6395: 1988 |
| Hand Arm Vibration (m/s²) | | | | | |
| Tracking duty | ≤ 2.5 | (K) | | | EN ISO 5349-2: 2001* |
| Low idle and excavating duty | ≤ 2.5 | (K) | | | EN ISO 5349-2: 2001* |
| Whole body vibration (m/s ²) | 0.3 | (K) | | | ISO 2631-1: 1997* |

*Based upon a test cycle defined in SAE J 1166

NOISE/VIBRATION (90Z-2, 100C-2)

| | | | | Uncertainty | Measurement Conditions |
|---|-------|-------|------|-------------|------------------------|
| Noise at the operator station (LpA) | 78 dB | (KpA) | 0 dB | | ISO 6396: 2008 |
| Noise emission from the machine (LwA) | 97 dB | (KwA) | 1 dB | | ISO 6395: 1988 |
| Hand arm vibration (m/s²) | | | | | |
| Tracking duty | ≤ 2.5 | (K) | | | EN ISO 5349-2: 2001* |
| Low idle | ≤ 2.5 | (K) | | | EN ISO 5349-2: 2001* |
| Whole body vibration (m/s ²) | 0.4 | (K) | | | ISO 2631-1: 1997* |

*Based upon a test cycle defined in SAE J 1166

EQUIPMENT

SERVICE AND MAINTENANCE

| | |
|--------------------------------------|---|
| 500 hours dig end greasing intervals | • |
| Greasegun & cartridge | + |
| Toolkit | + |
| Block heater 110/240V | + |
| 2 speed auto-kickdown motors | • |
| Colour coded hydraulic hoses | • |
| Auto warm | • |
| Electric refuelling pump | + |
| CESAR datatag (UK only) | • |

TRACKS AND UNDERCARRIAGE

| | |
|----------------------------------|---|
| 450mm or 600mm steel tracks | + |
| 450mm Geo Grip Road Liner tracks | + |
| 4-way angled dozer blade | + |
| Dozer float | + |
| 450mm short pitch rubber tracks | + |

OPERATOR STATION

| | |
|---|---|
| Interior mirror | + |
| Air-conditioning | + |
| Adjustable sunblind | • |
| High back seat or deluxe heated high back air suspension seat | + |
| Radio installation with media socket | + |
| Media socket | + |
| Face fan | + |
| Tilting cab | • |
| Intermittent wiper with wash/wipe | • |
| Roof mounted front and rear worklights | • |
| 3 speed heater/demister with 9 adjustable air vents | • |
| Colour LCD display | • |
| Digital clock | • |
| Internal lockable toolbox | • |
| Interior light | • |
| Cup holder | • |
| Coat hooks | • |
| 12v accessory socket | • |
| Full audio/visual warning systems | • |
| Radio ready kit | • |
| Auto idle throttle | • |

OPERATOR STATION (CONTINUED)

| | |
|--|---|
| Below idle system | • |
| Four digging powerbands | • |
| Electronic single/double acting auxiliary changeover valve | • |
| Midback suspension seat | • |
| 2 piece removable floormat | • |
| 10 different attachment flow settings | • |
| One touch idle | • |

HYDRAULICS

| | |
|--|---|
| Low flow, double acting auxiliary | + |
| High flow double acting auxiliary | • |
| Bucket-to-grab change over valve | + |
| Electronic single/double acting auxiliary changeover valve | • |
| Dual pattern controls (ISO/SAE change-over) | + |
| ISO servo controls with electro-hydraulic dozer lever | • |
| Hydraulic slew braking with disc type park brake | • |
| ORFS hydraulics | • |
| Tool Select | • |
| Tilt rotate ready installation | + |
| Auto vent | • |

PROTECTION AND SAFETY

| | |
|---|---|
| FOGS guard stage 1 or 2 | + |
| Fan & chaff guards | + |
| Battery isolator* | • |
| Beacon kits | + |
| LED worklights (with follow me home function) | + |
| Travel alarm | + |
| Fire extinguisher | + |
| JCB Immobiliser (unique key or keypad system) | + |
| Rearview camera | + |
| Rearview angled mirror | + |
| Dipper/crowd Ram guards | + |
| White noise alarm | + |
| Front screen guard (fine or course) | + |
| Neutral start | • |
| Full control isolation | • |
| 2GO hydraulic isolation | • |
| Livelink | • |
| Health check system | • |

EXTERNAL EQUIPMENT
















| | |
|--|---|
| Advanced lift overload system | + |
| Mechanical quickhitch | + |
| Hydraulic quickhitch | + |
| Hydraulic quickhitch ready pipework | + |
| General purpose digging buckets | + |
| Ditch/grading buckets | + |
| Hydraulic breakers | + |
| Exterior cab mounted mirrors | • |
| Thumb ready dipper | + |
| Special paint options | + |
| Worklight guards (cab) | + |
| Twin pair of front roof mounted worklights | + |
| Short & long dipper options | + |
| Beacon ready kit | • |
| 2 position speed & power bucket tipping link | • |
| Bushed kingpost | • |
| Protected boom worklight | • |
| 100% steel bodywork | • |

STANDARD • OPTIONAL +

* Region specific
















LIFT CAPACITIES – 450MM RUBBER TRACKS, 2900MM BOOM, 1650MM DIPPER, NO BUCKET

85Z

| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 4.0 | | | | | | | 1551* | 1551* | 1316 | | | | 1277 | 1726* | 965 | 4.8 |
| 3.0 | | | | 2107* | 2107* | 2016 | 1728 | 1835* | 1288 | 1211 | 1709* | 915 | 1078 | 1709* | 815 | 5.4 |
| 2.0 | | | | | | | 1667 | 2259* | 1232 | 1188 | 1853* | 894 | 999 | 1729* | 754 | 5.6 |
| 1.0 | | | | | | | 1606 | 2663* | 1176 | 1161 | 2012* | 868 | 987 | 1774* | 742 | 5.6 |
| 0.0 | | | | 2467 | 4383* | 1705 | 1571 | 2820* | 1143 | 1143 | 2053* | 851 | 1030 | 1809* | 771 | 5.4 |
| -1.0 | 3511* | 3511* | 3406 | 2473 | 3922* | 1711 | 1566 | 2629* | 1138 | | | | 1173 | 1819* | 873 | 4.9 |
| -2.0 | | | | 2517 | 2835* | 1749 | 1601 | 1738* | 1171 | | | | 1601 | 1738* | 1171 | 4.0 |






LIFT CAPACITY – 450MM RUBBER TRACKS, 2900MM BOOM, 2100MM DIPPER, NO BUCKET

85Z

| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 5.0 | | | | | | | 1329* | 1329* | 1321 | | | | 1438 | 1539 | 1080 | 4.5 |
| 4.0 | | | | | | | 1268* | 1268* | 1268* | 1222 | 1434* | 924 | 1082 | 1502* | 817 | 5.4 |
| 3.0 | | | | | | | 1561* | 1561* | 1561* | 1544* | 1544* | 1025 | 927 | 1873* | 784 | 5.8 |
| 2.0 | | | | 2281* | 2281* | 2281* | 2046* | 2046* | 1437 | 1190 | 1823* | 1004 | 855 | 1915* | 719 | 6 |
| 1.0 | | | | 2378 | 4019* | 1974 | 1565 | 2638* | 1319 | 1077 | 2027* | 932 | 814 | 1954* | 698 | 6 |
| 0.0 | | | | 2393 | 4448* | 1863 | 1548 | 2903* | 1191 | 1152 | 2172* | 856 | 862 | 2005* | 687 | 5.8 |
| -1.0 | 3310* | 3310* | 3286 | 2163 | 4081* | 1663 | 1452 | 2900* | 1075 | 984 | 2071* | 791 | 968 | 2070* | 731 | 5.4 |
| -2.0 | 4847 | 6151* | 3352 | 2444 | 3411* | 1680 | 1542 | 2254* | 1112 | | | | 1242 | 1614* | 913 | 4.7 |

LIFT CAPACITY – 450MM RUBBER TRACKS, 2900MM BOOM, 2250MM DIPPER, NO BUCKET

85Z

| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 5.0 | | | | | | | 1235* | 1235* | 1235* | | | | 1360 | 1483* | 1027 | 4.7 |
| 4.0 | | | | | | | | | | 1245 | 1371* | 945 | 1056 | 1453* | 800 | 5.5 |
| 3.0 | | | | | | | 1370* | 1370* | 1323 | 1231 | 1439* | 932 | 925 | 1459* | 699 | 5.9 |
| 2.0 | | | | | | | 1694 | 1884* | 1253 | 1196 | 1630* | 899 | 879 | 1492* | 662 | 6.1 |
| 1.0 | | | | | | | 1607 | 2381* | 1172 | 1156 | 1851* | 860 | 844 | 1524* | 632 | 6.2 |
| 0.0 | | | | 2414 | 4302* | 1652 | 1545 | 2701* | 1115 | 1123 | 2000* | 829 | 874 | 1571* | 652 | 6 |
| -1.0 | 2710* | 2710* | 3213 | 2390 | 4198* | 1631 | 1520 | 2727* | 1092 | 1110 | 1972* | 817 | 980 | 1668* | 727 | 5.5 |
| -2.0 | 4611* | 4611* | 3283 | 2416 | 3550* | 1655 | 1532 | 2357* | 1102 | | | | 1192 | 1666* | 877 | 4.8 |



Lift capacity front and rear.



Lift capacity full circle.

Notes:

- Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
- Lift capacities may be limited by local regulations. Please refer to your dealer.

| LIFT CAPACITIES – 450MM RUBBER TRACKS, 3360MM BOOM, 1650MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 86C |
|--|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|---------------------------|------------|-----------|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | 1555* | 1555* | 1555* | | | | 1571 * | 1571 * | 1571 * | 4.1 | |
| 4.0 | | | | | | | 1543* | 1543* | 1543* | 1542 | 1555* | 1287 | 1493 | 1567 * | 1133 | 5.1 | |
| 3.0 | | | | 2268* | 2268* | 2268* | 1808* | 1808* | 1762 | 1529 | 1614* | 1274 | 1284 | 1576 * | 976 | 5.6 | |
| 2.0 | | | | | | | 2082 | 2209* | 1690 | 1499 | 1776* | 1243 | 1206 | 1606 * | 916 | 5.8 | |
| 1.0 | | | | | | | 2018 | 2547* | 1627 | 1468 | 1932* | 1211 | 1192 | 1653 * | 903 | 5.8 | |
| 0.0 | | | | 3109 | 3612* | 2371 | 1982 | 2673* | 1592 | 1447 | 1994* | 1190 | 1241 | 1707 * | 936 | 5.6 | |
| -1.0 | 3360* | 3360* | 3360* | 3118 | 3641* | 2379 | 1976 | 2555* | 1586 | 1445 | 1864* | 1188 | 1373 | 1727 * | 724 | 5.2 | |
| -2.0 | 4503* | 4503* | 4350 | 2974* | 2974* | 2414 | 1999 | 2091 * | 1608 | | | | 1748 | 1756 * | 1294 | 4.4 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3360MM BOOM, 2100MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 86C |
|--|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|---------------------------|------------|-----------|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | | | | 1399* | 1399* | 1195 | 4.9 | |
| 4.0 | | | | | | | | | | 1325* | 1325* | 1292 | 1273 | 1381 * | 972 | 5.6 | |
| 3.0 | | | | | | | 1512* | 1512* | 1512* | 1414* | 1414* | 1414* | 1395* | 1395* | 961 | 6 | |
| 2.0 | | | | 2709* | 2709* | 2709* | 1937* | 1937* | 1937* | 1596* | 1596* | 1264 | 1128 | 1464* | 888 | 6.2 | |
| 1.0 | | | | 3579* | 3579* | 2434 | 2352 | 2352* | 1670 | 1793* | 1793* | 1215 | 1094 | 1508* | 875 | 6.2 | |
| 0.0 | | | | 3002 | 3760* | 2320 | 1887 | 2587* | 1610 | 1433 | 1955* | 1178 | 1089 | 1498* | 911 | 6 | |
| -1.0 | 2861 * | 2861 * | 2861 * | 3353* | 3353* | 2309 | 1853 | 2542* | 1559 | 1368 | 1959* | 1157 | 1150 | 1550* | 998 | 5.7 | |
| -2.0 | 4945* | 4945* | 4223 | 3062 | 3316* | 2339 | 1934 | 2311 * | 1552 | 1416 | 1600* | 1165 | 1416 | 1600* | 1165 | 5 | |
| -3.0 | 3561 * | 3561 * | 3561 * | 2291 * | 2291 * | 2291 * | | | | | | | 1511* | 1511 * | 1511* | 3.9 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3360MM BOOM, 2250MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 86C |
|--|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|---------------------------|------------|-----------|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | 1314* | 1314* | 1291 | 1339* | 1339* | 1248 | 5.1 | |
| 4.0 | | | | | | | | | | 1258* | 1258* | 1298 | 1221 | 1333* | 1020 | 5.8 | |
| 3.0 | | | | | | | 1453* | 1453* | 1453* | 1371* | 1371* | 1274 | 1093 | 1347* | 912 | 6.2 | |
| 2.0 | | | | 2638* | 2638* | 2586 | 1880* | 1880* | 1699 | 1494 | 1568* | 1234 | 1031 | 1376* | 779 | 6.4 | |
| 1.0 | | | | 3149 | 3599* | 2401 | 2010 | 2305* | 1615 | 1451 | 1775* | 1191 | 1018 | 1417* | 768 | 6.4 | |
| 0.0 | | | | 3062 | 3654* | 2320 | 1953 | 2563* | 1558 | 1419 | 1915* | 1158 | 1078 | 1507* | 890 | 6.1 | |
| -1.0 | 2727* | 2727* | 2727* | 3044 | 3846* | 2303 | 1929 | 2595* | 1535 | 1404 | 1924* | 1143 | 1150 | 1535* | 947 | 5.8 | |
| -2.0 | 4588* | 4588* | 4191 | 3065 | 3414* | 2323 | 1935 | 2366* | 1540 | 1413 | 1688* | 1152 | 1343 | 1546* | 1099 | 5.2 | |
| -3.0 | 3993* | 3993* | 3993* | 2497* | 2497* | 2381 | 1639* | 1639* | 1587 | | | | 1547* | 1547* | 1538 | 4.1 | |



Lift capacity front and rear.


















Lift capacity full circle.

Notes:

1. 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.
2. Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
3. A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.
















LIFT CAPACITIES – 450MM RUBBER TRACKS, 3360MM BOOM, 1650MM DIPPER, NO BUCKET

86C TAB

| Load Point | 3.0m | | | 4.0m | | | 5.0 | | | 6.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 6.0 | | | | 1752* | 1752* | 1584 | | | | | | | 1752* | 1752* | 1584 | 4 |
| 5.0 | | | | 1618* | 1618* | 1624 | 1421 | 1559* | 1193 | | | | 1210 | 1487* | 1016 | 5.5 |
| 4.0 | | | | 1227* | 1227* | 1227* | 1418 | 1558* | 1190 | | | | 1153 | 1477* | 983 | 5.8 |
| 3.0 | | | | 1360* | 1360* | 1360* | 1380 | 1653* | 1151 | 1031 | 1427* | 860 | 1014 | 1413* | 848 | 6.2 |
| 2.0 | 2283* | 2283* | 2251 | 1714* | 1714* | 1392 | 1329 | 1763* | 1098 | 1008 | 1445* | 836 | 948 | 1368* | 828 | 6.4 |
| 1.0 | 2961 | 3218* | 2052 | 1844 | 2109* | 1316 | 1285 | 1816* | 1052 | 989 | 1409* | 817 | 909 | 1332* | 789 | 6.4 |
| 0.0 | 2839 | 3619* | 1947 | 1809 | 2196* | 1285 | 1258 | 1762* | 1024 | 984 | 1250* | 811 | 897 | 1295* | 769 | 6.2 |
| -1.0 | 2512* | 2512* | 1914 | 1780 | 1922* | 1284 | 1253 | 1565* | 1018 | | | | 1106 | 1154* | 882 | 5.9 |
| -2.0 | 1869* | 1869* | 1935 | 1466 | 1466* | 1308 | 1096* | 1096* | 1040 | | | | 972* | 972* | 995 | 5.2 |
















LIFT CAPACITIES – 450MM RUBBER TRACKS, 3360MM BOOM, 2100MM DIPPER, NO BUCKET

86C TAB

| Load Point | 3.0m | | | 4.0m | | | 5.0 | | | 6.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 6.0 | | | | 1445* | 1445* | 1445* | 1389* | 1389* | 1389* | | | | 1389* | 1389* | 1389* | 5 |
| 5.0 | | | | 1430* | 1430* | 1430* | 1375* | 1375* | 1375* | 1194* | 1194* | 1194* | 1194* | 1194* | 1194* | 6 |
| 4.0 | | | | 1551* | 1551* | 1551* | 1057* | 1057* | 1057* | 1253* | 1253* | 1253* | 1192 | 1306* | 964 | 6.3 |
| 3.0 | | | | 2070* | 2070* | 2070* | 1169* | 1169* | 1169* | 1065* | 1065* | 1065* | 1069 | 1252* | 861 | 6.7 |
| 2.0 | 1831* | 1831* | 1831* | 1420* | 1420* | 1420* | 1411* | 1411* | 1410 | 1400* | 1400* | 1004 | 1033 | 1234* | 829 | 6.8 |
| 1.0 | 2981* | 2981* | 2182 | 2012* | 2012* | 1553 | 1502 | 1546* | 1126 | 1218 | 1440* | 972 | 997 | 1174* | 797 | 6.9 |
| 0.0 | 3374 | 3656* | 2042 | 2151 | 2381* | 1469 | 1453 | 1719* | 1081 | 1195 | 1407* | 948 | 1030 | 1149* | 821 | 6.7 |
| -1.0 | 3294 | 3828* | 1982 | 1981 | 2027* | 1413 | 1407 | 1627* | 1159 | 1188 | 1259* | 941 | 1096 | 1052* | 873 | 6.4 |
| -2.0 | 3289 | 3530* | 1979 | 1662* | 1662* | 1427 | 1327* | 1327* | 1168 | | | | 947* | 947* | 1002 | 5.8 |
| -3.0 | | | | 1038* | 1038* | 1038* | | | | | | | 642* | 642* | 642* | 4.9 |

LIFT CAPACITIES – 450MM RUBBER TRACKS, 3360MM BOOM, 2250MM DIPPER, NO BUCKET

86C TAB

| Load Point | 3.0m | | | 4.0m | | | 5.0 | | | 6.0m | | | Capacity at maximum reach | | | Distance |
|------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m |
| 6.0 | | | | 1420* | 1420* | 1420* | 1443 | 1497* | 1226 | | | | 1443 | 1497* | 1226 | 5 |
| 5.0 | | | | 1372* | 1372* | 1372* | 1337* | 1337* | 1253 | | | | 1174 | 1478* | 952 | 5.9 |
| 4.0 | | | | 1500* | 1500* | 1500* | 1383* | 1383* | 1239 | 1207 | 1348* | 988 | 1056 | 1321* | 862 | 6.5 |
| 3.0 | | | | 1773* | 1773* | 1569 | 1133* | 1133* | 1116 | 1191 | 1392* | 972 | 979 | 1364* | 798 | 6.8 |
| 2.0 | | | | 1364* | 1364* | 1364* | 1312* | 1312* | 1087 | 1166 | 1460* | 947 | 928 | 1253* | 753 | 7 |
| 1.0 | 2715* | 2715* | 2176 | 1863* | 1863* | 1404 | 1333 | 1551* | 1050 | 1141 | 1510* | 921 | 918 | 1232* | 744 | 7 |
| 0.0 | 2950 | 3490* | 2060 | 1875 | 2272* | 1362 | 1303 | 1761* | 1017 | 1122 | 1500* | 902 | 949 | 1297* | 767 | 6.8 |
| -1.0 | 2780* | 2780* | 2011 | 1836 | 2205* | 1343 | 1290 | 1760* | 1067 | 1116 | 1382* | 896 | 1007 | 1153* | 813 | 6.5 |
| -2.0 | 2644* | 2644* | 2008 | 1830 | 1866* | 1338 | 1295 | 1492* | 1073 | 1008* | 1008* | 911 | 1008* | 1008* | 911 | 6 |
| -3.0 | 1756* | 1756* | 1756* | 1282* | 1282* | 1282* | 856* | 856* | 856* | | | | 780* | 780* | 780* | 5.1 |


















Lift capacity front and rear.



























Lift capacity full circle.

Notes:

- Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
- Lift capacities may be limited by local regulations. Please refer to your dealer.

| LIFT CAPACITIES – 450MM RUBBER TRACKS, 3360MM BOOM, 1650MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 90Z |
|--|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | 1385* | 1385* | 1385* | | | | | 1459* | 1459* | 1168 | 4.5 |
| 4.0 | | | | | | | 1408* | 1408* | 1408* | 1322 | 1612* | 996 | 1201 | 1634* | 905 | 5.3 | |
| 3.0 | | | | 2233* | 2233* | 2101 | 1705* | 1705* | 1362 | 1304 | 1719* | 979 | 1034 | 1645* | 778 | 5.8 | |
| 2.0 | | | | | | | 1764 | 2478* | 1289 | 1270 | 1928* | 946 | 970 | 1679* | 727 | 6 | |
| 1.0 | | | | | | | 1697 | 2889* | 1226 | 1236 | 2124* | 914 | 957 | 1732* | 714 | 6 | |
| 0.0 | | | | 2611* | 2611* | 1785 | 1663 | 3020* | 1195 | 1214 | 2207* | 894 | 993 | 1792* | 738 | 5.8 | |
| -1.0 | 2726* | 2726* | 2726* | 2627 | 4150* | 1796 | 1658 | 2870* | 1191 | 1210 | 2091* | 890 | 1094 | 1819* | 810 | 5.4 | |
| -2.0 | 4172* | 4172* | 3202 | 2663 | 3360* | 1829 | 1680 | 2364* | 1211 | | | | 1380 | 1852* | 1011 | 4.6 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3360MM BOOM, 2100MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 90Z |
|--|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | 1234* | 1424* | 995 | 1255 | 1463* | 943 | 5.2 | |
| 4.0 | | | | | | | | | | 1189* | 1372* | 1282* | 1037 | 1432* | 809 | 5.8 | |
| 3.0 | | | | | | | 1540* | 1559* | 1594* | 1438* | 1475* | 992 | 967 | 1429* | 683 | 6.2 | |
| 2.0 | | | | 3244* | 3359* | 2239* | 2227* | 2275* | 1335 | 1422 | 1784* | 953 | 883 | 1509* | 625 | 6.4 | |
| 1.0 | | | | 2726 | 3966* | 1808 | 1841 | 2671* | 1277 | 1300 | 1997* | 901 | 867 | 1540* | 602 | 6.5 | |
| 0.0 | | | | 3045* | 4115* | 1684 | 1743 | 3062* | 1130 | 1260 | 2237* | 887 | 914 | 1670* | 656 | 6.4 | |
| -1.0 | 2300* | 2300* | 2300* | 2270 | 3686* | 1664 | 1603 | 2945* | 1140 | 1186 | 2166* | 878 | 953 | 1664* | 697 | 5.9 | |
| -2.0 | 3991* | 3991* | 3089 | 2588 | 3792* | 1760 | 1628 | 2595* | 1160 | 1187 | 1836* | 866 | 1114 | 1640* | 817 | 5.2 | |
| -3.0 | 3311* | 3311* | 3183 | 2250* | 2250* | 1818 | 1458* | 1458* | 1208 | | | | 1352* | 1352* | 1163 | 4.1 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3360MM BOOM, 2250MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 90Z |
|--|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|----------|-----|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| Height |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side |  Dozer Up |  Dozer Down |  Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | 1148* | 1148* | 1004 | 1204 | 1390* | 906 | 5.3 | |
| 4.0 | | | | | | | | | | 1126* | 1126* | 1005 | 983 | 1384* | 738 | 6 | |
| 3.0 | | | | | | | 1340* | 1340* | 1340* | 1253* | 1253* | 980 | 879 | 1400* | 657 | 6.4 | |
| 2.0 | | | | | | | 1779 | 2080* | 1300 | 1265 | 1690* | 940 | 827 | 1433* | 615 | 6.6 | |
| 1.0 | | | | | | | 1690 | 2602* | 1217 | 1220 | 1942* | 897 | 815 | 1479* | 603 | 6.6 | |
| 0.0 | | | | 2557 | 3274* | 1731 | 1632 | 2900* | 1164 | 1186 | 2111* | 865 | 860 | 1576* | 634 | 6.3 | |
| -1.0 | 2184* | 2184* | 2184* | 2548 | 4465* | 1723 | 1610 | 2923* | 1144 | 1170 | 2130* | 850 | 915 | 1609* | 672 | 6 | |
| -2.0 | 3701* | 3701* | 3059 | 2571 | 3918* | 1744 | 1617 | 2656* | 1150 | 1176 | 1904* | 856 | 1064 | 1626* | 779 | 5.4 | |
| -3.0 | 3779* | 3779* | 3149 | 2458* | 2458* | 1797 | 1643* | 1643* | 1189 | | | | 1411* | 1411* | 1082 | 4.3 | |


















Lift capacity front and rear.


























Lift capacity full circle.

Notes:

1. 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.
2. Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
3. A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3682MM BOOM, 1650MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 100C |
|--|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|------|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Distance | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | 1725* | 1725* | 1725* | | | | 1784* | 1784* | 1784* | 4.6 | |
| 4.0 | | | | | | | 1842* | 1842* | 1842* | 1763 | 1845 | 1614 | 1768* | 1768* | 1438 | 5.4 | |
| 3.0 | | | | 3040* | 3040* | 3040* | 2229* | 2229* | 2171 | 1904 | 1993 | 1588 | 1684 | 1869* | 1285 | 5.8 | |
| 2.0 | | | | | | | 2729* | 2729* | 2084 | 2053 | 2220 | 1548 | 1586 | 1915* | 1208 | 6 | |
| 1.0 | | | | | | | 2751 | 3237* | 2015 | 2012 | 2415* | 1510 | 1533 | 1942* | 1166 | 6.1 | |
| 0.0 | | | | 2353* | 2353* | 2353* | 2713 | 3335* | 1980 | 1986 | 2490 | 1486 | 1628 | 2051* | 1232 | 5.8 | |
| -1.0 | 2766* | 2766* | 2766* | 4199* | 4199* | 2961 | 2707 | 3175* | 1974 | 1979 | 2378 | 1480 | 1745 | 2043* | 1316 | 5.5 | |
| -2.0 | 5000* | 5000* | 5000* | 3543* | 3543* | 2993 | 2598* | 2598* | 1992 | | | | 1967* | 1967* | 1577 | 4.8 | |
| -3.0 | | | | 2297* | 2297* | 2297* | | | | | | | 1892* | 1892* | 1892* | 3.5 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3682MM BOOM, 2100MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 100C |
|--|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|------|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Distance | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | 1530* | 1530* | 1530* | 1563* | 1563* | 1527 | 5.2 | |
| 4.0 | | | | | | | 1542* | 1542* | 1542* | 1539* | 1539* | 1539* | 1568* | 1568* | 1259 | 5.9 | |
| 3.0 | | | | 2385* | 2385* | 2385* | 1926* | 1926* | 1926* | 1708* | 1708* | 1587 | 1485 | 1664* | 1132 | 6.3 | |
| 2.0 | | | | | | | 2454* | 2454* | 2090 | 1953* | 1953* | 1540 | 1404 | 1701* | 1068 | 6.5 | |
| 1.0 | | | | | | | 2743 | 3042* | 2004 | 1997 | 2285* | 1494 | 1388 | 1751* | 1053 | 6.5 | |
| 0.0 | | | | 2704* | 2704* | 2704* | 2685 | 3265* | 1952 | 1961 | 2426* | 1461 | 1436 | 1819* | 1085 | 6.3 | |
| -1.0 | 2466* | 2466* | 2466* | 4202 | 4622* | 2897 | 2665 | 3226* | 1933 | 1945 | 2410* | 1445 | 1560 | 1898* | 1174 | 5.9 | |
| -2.0 | 4391* | 4391* | 4391* | 3916* | 3916* | 2921 | 2674 | 2920* | 1941 | 1952 | 2152* | 1452 | 1808 | 1938* | 1352 | 5.3 | |
| -3.0 | 4539* | 4539* | 4539* | 2963* | 2963* | 2963* | 2086* | 2086* | 1982 | | | | 1834* | 1834* | 1805 | 4.3 | |

| LIFT CAPACITY – 450MM RUBBER TRACKS, 3682MM BOOM, 2250MM DIPPER, NO BUCKET | | | | | | | | | | | | | | | | | 100C |
|--|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|----------|------|
| Load Point | 2.0m | | | 3.0m | | | 4.0 | | | 5.0m | | | Capacity at maximum reach | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Distance | |
| Height | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Dozer Up | Dozer Down | Over Side | Distance | |
| m | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m | |
| 5.0 | | | | | | | | | | 1443* | 1443* | 1443* | 1510* | 1510* | 1438 | 5.4 | |
| 4.0 | | | | | | | | | | 1469* | 1469* | 1469* | 1513* | 1513* | 1212 | 6.1 | |
| 3.0 | | | | 2324* | 2324* | 2324* | 1916* | 1916* | 1916* | 1710* | 1710* | 1710* | 1607* | 1607* | 1109 | 6.5 | |
| 2.0 | | | | 3577* | 3577* | 3577* | 2437* | 2437* | 2437* | 1961* | 1961* | 1615 | 1364 | 1674* | 1066 | 6.6 | |
| 1.0 | | | | 4202* | 4202* | 2849 | 2911* | 2911* | 2071 | 2217* | 2217* | 1533 | 1333 | 1734* | 1025 | 6.6 | |
| 0.0 | | | | 4347* | 4347* | 2854 | 2687 | 3232* | 1963 | 1969 | 2467* | 1471 | 1385 | 1800* | 1040 | 6.4 | |
| -1.0 | 4444* | 4444* | 3309 | 4052* | 4052* | 2660 | 2633 | 3261* | 1853 | 1940 | 2520* | 1416 | 1493 | 1883* | 1112 | 6.1 | |
| -2.0 | 4118* | 4118* | 4118* | 4027* | 4027* | 2904 | 2662 | 2976* | 1930 | 1942 | 2206* | 1442 | 1709 | 1871* | 1280 | 5.5 | |
| -3.0 | 4966* | 4966* | 4966* | 3149* | 3149* | 2956 | 2229* | 2229* | 1965 | | | | 1832* | 1832* | 1674 | 4.5 | |



Lift capacity front and rear.

Lift capacity full circle.

Notes:

- Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
- Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
- A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
- Lift capacities may be limited by local regulations. Please refer to your dealer.



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