

MINI EXCAVATOR | 48z-1/51r-1/55z-1/57c-1

Operating weight: 4792/5112/5366/5483kg Net engine power: 33.1/33.4kW





NEW GENERATION CONTROL, EFFICIENCY, PERFORMANCE, STRENGTH. Control, Industry leading digital screen technology lets you tailor and store settings to put you in total control. Efficiency, Designed to keep running costs low and prove to be a great business decision. Performance, Designed to give you greater bucket and dipper tearout, greater dump height and greater lift capacity. **Strength**, Designed to be quite simply the strongest 5-tonne machines on the market. ■57 c-1 Courtesy of Machine.Market

NEW GENERATION STRENGTH.

TRACKED EXCAVATORS HAVE BEEN A PART OF THE JCB MANUFACTURING FAMILY FOR OVER 50 YEARS. WITH ALL THIS EXPERIENCE AND INSIGHT, OUR LATEST MINI EXCAVATORS HAVE BEEN DEVELOPED TO EXCEED OUR CUSTOMERS' STANDARDS. THEY ARE QUITE SIMPLY THE STRONGEST AND HIGHEST PERFORMING NEXT GENERATION OF MACHINES WE'VE EVER BUILT.



The toughest form.

- 1 With a finite element analysis-designed heavy duty structure as well as simplified H-frame construction, the undercarriage of these minis are both durable and confidence-inspiring.
- Our clean four-plate dipper design provides added structural strength and durability.
- There are no longer any plastic external body panels on our new machines; instead they have 100% high strength pressed steel bodywork.

Dig end durability.

- 4 The optional heavy duty kingpost features durable re-bushable pivots to optimise service life on our new machines. It also provides a safe route for all excavator hoses.
- The heavy duty boom cylinder guard and optional dipper and crowd ram guards give maximum excavator arm protection, even during the toughest jobs.





Quality componentry.

- Fold back your cab door and you'll see that it fits snugly within the counterweight length. This keeps it out of harms way throughout the machine operation.
- The hydraulic system boasts the latest industry technology "O-Ring Face Seal" (ORFS) hydraulic fittings, providing excellent sealing capabilities.
- I High quality 400mm rubber tracks with interlocking links will perform in even the most laborious applications. Specify our 400/550mm steel tracks and you'll find they're pre-drilled to make it easier to attach rubber pads. You can also opt for dedicated Road Liner Pads (Bridgestone GeoGrip™), which allow you to replace individual segments should you require.
- ☑ We only use trusted premium manufacturers including Perkins engines, Nachi and Bosch-Rexroth hydraulic components and Bridgestone tracks.









HIGH PRODUCTIVITY TO US **MEANS HAVING A COMFORTABLE ENVIRONMENT. THAT'S WHY OUR NEW RANGE FOCUSES ON COMFORT AND EASE OF USE,**

Comfort and control.

PLACE TO WORK.

1 These mini's have an even more spacious cab than before, with storage galore; a phone tray, stowage net and a cup holder. The whole area is accessed easily and safely via a large door.

MAKING OUR JCB A GREAT

- A radio, 12V phone charger, powerful heater with window de-mister and a high performing air conditioning system* with 8 vents completes the picture.
- The innovative new rotary controller and the easy touch switches, have been thoughtfully designed for operational ease of use.
- 4 With ergonomic electro-hydraulic dozer control as standard, operators can achieve smooth and precise grading control.
- 5 You can alternate quickly between single and double-acting auxiliary flow thanks to a convenient switch in the cab.

*Air conditioning optional.









Superior instrumentation.

- The new machines now have the latest industry technology of digital screens available in the operating station. With a simple user interface, customisable home screen and specific diagnostic information, you are sure to find it a helping hand at work.
- Tor increased safety, there is a Thatcham approved immobiliser*, eliminating the possibility of an unauthorised start. Having the software system Livelink and Datatag* on the minis, will allow you to set a geofence and machine working restrictions.

A key benefit of the Livelink and immobiliser combination is the remote pin code management system, which allows you to remotely authorise or deny the usage of the machine. Up to 14 individual pin codes can be programmed into the system, offering the option to customise operator preferences by embedding a separate auxiliary mode in each code.

Tou can easily adjust and programme flow settings for specific attachments, with a built in memory to store your settings so that they can be easily retrieved between jobs.

Information such as service and machine diagnostics help the operator to keep on top of the status of the machine. Alerts and service interval countdowns will keep you up to date, and always one step ahead of the possibility of downtime.

Dive readings of fuel consumption gives the operator an idea as to how the machine is performing at any stage of application.

* Refer to the standard and optional equipment table.









NEW GENERATION PERFORMANCE.

THE LATEST COMPACT EXCAVATORS CONTINUE WITH THE NEW GENERATION LOOK AND FEEL. THIS MEANS THEY INCLUDE ALL OUR NEW INNOVATIVE DESIGN FEATURES, MAKING THEIR VERSATILITY AND PRODUCTIVITY, BEST IN CLASS.

Potent performance.

- 1 For Stage 3A markets, we have a Perkins 404D-22 engine; a quiet 2.2 litre unit delivering 35.7kW at 2000rpm and reduced operating costs in a small, efficient package. In addition to this we also offer a Tier 4 Final/Stage 3B engine option for our new minis.
- Tracking performance is smooth and precise, ensuring high dozer capabilities and fast travel times. To increase productivity, our auto kickdown motors automatically adapt to changes in terrain increasing productivity and reducing operator fatigue.

Digging down.

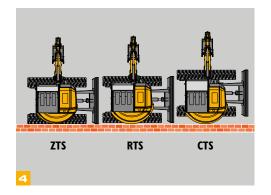
These machines produce dipper tearout forces of up to 29.0kN; combined with fast cycle times, this enables unrivalled productivity. By perfectly matching our boom and dipper, we've created optimal dig end geometry, helping you to work and load in confined areas with ease.

RTS, ZTS or CTS?

We offer Reduced, Zero or Conventional tailswing configurations, but choosing the right one for you depends on your application. CTS gives greater stability, lifting capacity and a larger dig end; RTS and ZTS offer concern-free manoeuvrability – especially in confined spaces – because their rear overhang outside the tracks is eliminated (ZTS) or greatly reduced (RTS).







Bucket rotation is a huge 181°, offering great spoil



Hydraulic innovation.

- 4 A premium closed centre hydraulic system provides improved flow sharing for smooth, precise and balanced operation during multi-functioning.
- The programmable twin auxiliary lines provide high and optional low hydraulic flows to operate an array of attachments, increasing the machines versatility. Both auxiliary lines are electrically proportional controlled and fully adjustable for optimum attachment control.
- 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.

Versatility attached.

- You can now choose from a range of JCB's eco buckets, designed with fuel saving in mind. Our attachments provide ultimate performance, full JCB warranty compliance and optimum fit and operation.
- Our fully CE marked, factory-fitted hydraulic quickhitch is an option to add to your machine, which is an increased benefit for changing attachments quicker.

A tilt rotate ready installation is optional, for increased productivity and versatility.

Our hydraulic hitch is capable of picking up a range of bucket pin centres, making it compatible with your existing fleet of attachments from most excavator manufacturers in this weight class.









NEW GENERATION SAFETY.

OUR NEW MINI EXCAVATORS OFFER SAFETY AS FIRST PRIORITY, TO THE OWNER, OPERATOR, BYSTANDERS AND THE MACHINE ITSELF. WITH MAXIMUM SAFETY, DOWNTIME IS MINIMISED THANKS TO OUR NEW DEVELOPMENTS.

Maximum protection.

- 1 The new compact excavators cabs are fully ROPS and TOPS compliant, for increased protection to the cab and operator, opt for the impact protection glass on the new machine.
- ZOB's safety lever lock fully isolates hydraulic functions to prevent unintended movement.
- Our unique 2GO system ensures your mini excavator hydraulics can only be operated in a safe lockable position via two separate inputs.

As an optional safety feature, hydraulics can only be activated when the operator is seated and the seatbelt is worn.

- 4 Optional (territory dependent) boom, dozer and dipper hose burst check valves (HBCVs) with an overload screen display makes operation safer.
- 5 Overload screen displays a bar chart from green to red to indicate if the overload point is close or has been passed. Once passed, the buzzer sounds and the bar flashes to warn the operator.













Safely does it.

- **S** Large track frame width and a low centre of gravity helps to ensure that stability is maximised on the machines.
- Standard boom and optional worklight guards offer greater protection for vulnerable components in hazardous applications.
- 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.
- These machines offer greater visibility than our outgoing models, thanks in part to a 70/30 front screen split; for easy, safe trench digging and manoeuvring.











NEW GENERATION SERVICE.

A JCB MINI EXCAVATOR IS DESIGNED TO BE AS PRODUCTIVE AS POSSIBLE. DOWNTIME IS MINIMISED IN EVERY WAY, INCLUDING THE TIME IT TAKES TO CARRY OUT MAINTENANCE.

At your service.

- 1 Graphite impregnated bronze bushes allow best-in-class greasing intervals of 500 hours.
- An open frame undercarriage with sloping track legs makes cleaning easier.
- Dozer hoses are easy to replace because they terminate at the bulkhead.
- 4 The wide-opening steel bonnet and external fuel indicator make it easy to fill the tank from ground level. Opt for a refuelling pump with auto stop function to reduce spillages and increase safety.
- Enemoving the cab floor is easy to do, and affords access to many key components like the main control valve spools.
- You can remove the floor mat easily for cleaning, while anti-slip cast tread plates provide safe access and bodywork protection.

Boom swing and auxiliary controls are mounted on the joystick to increase floor space; the track pedals fold up to provide even more.

These machines feature colour-coded hydraulic hoses for easy identification.











NEW GENERATION EFFICIENCY.

ULTIMATELY, COST OF OWNERSHIP IS PERHAPS YOUR PRIMARY CONCERN AS A BUSINESS. SO YOU'LL BE PLEASED TO KNOW THAT THE NEW JCB 48Z-I, 5IR-I, 55Z-I AND 57C-I HAVE BEEN DESIGNED TO KEEP RUNNING COSTS AS LOW AS POSSIBLE.

Dynamic engine design.

- Our below idle feature means that engine revs are reduced even further when the operators armrest is raised. Fuel economy and noise levels are both improved.
- Activate 'One-Touch-Idle' by pressing the new rotary controller dial. Just another way of reducing engine revs quickly and conserving fuel.

Our programmable auto idle can be activated between 2 and 30 seconds after the controls have been inactive, to offer increased fuel efficiencies.

- Control your engine speed with four different power bands to easily toggle through and set to optimum hydraulic flows. This includes light, eco, heavy and heavy plus, all of which can be tailored to suit your application.
- The patented low pressure return line circuit further improves fuel efficiency, because the pump does not need to overcome as high a pressure before any work can be done.

















LIVELINK, WORK SMARTER.

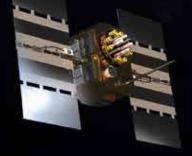
LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY — ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO FUEL REPORTS AND HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.

Productivity and cost benefits

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







Maintenance benefits

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





Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information, advanced ECU matching (pairs Livelink with the immobiliser or ECU), and PIN code management (to remotely authorise usage – perfect for plant hire).



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.



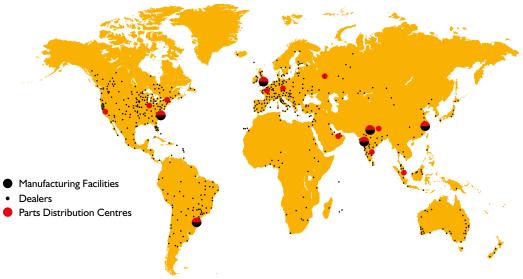




- 1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.
- The global network of JCB Parts Centres is another model of efficiency; with 16 regional bases, we can 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.









| F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | Mad | hine model | | 48 z-ı | 51r-1 | 55z-ı | 57 c-ı |
|--|-----|---------------------------------------|----|---------------|-------|-------|---------------|
| C Undercarriage overall length – rubber mm 2490 Undercarriage overall length – steel mm 2490 D Kingpost clearance mm 631 E Tailswing radius mm 975 1030 1000 130 F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | Α | Sprocket idler centres | mm | | 19 | 85 | |
| Undercarriage overall length – steel mm 2490 D Kingpost clearance mm 631 E Tailswing radius mm 975 1030 1000 130 F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | В | Track length on ground | mm | | 19 | 85 | |
| D Kingpost clearance mm 63 I E Tailswing radius mm 975 1030 1000 130 F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | С | Undercarriage overall length – rubber | mm | | 24 | 90 | |
| E Tailswing radius mm 975 1030 1000 130 F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | | Undercarriage overall length – steel | mm | | 24 | 90 | |
| F Overall width of superstructure mm 1820 1850 1845 G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | D | Kingpost clearance | mm | | 63 | 81 | |
| G Height over cab mm 2551 256 H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | Ε | Tailswing radius | mm | 975 | 1030 | 1000 | 1300 |
| H Ground clearance mm 300 I Track gauge mm 1550 J Width over tracks mm 1950 | F | Overall width of superstructure | mm | 1820 | 1850 | 18 | 45 |
| I Track gauge mm 1550 J Width over tracks mm 1950 | G | Height over cab | mm | | 2551 | | 2561 |
| J Width over tracks mm 1950 | Н | Ground clearance | mm | | 30 | 00 | |
| | -1 | Track gauge | mm | | 15 | 50 | |
| V Transport for the standard flagger | J | Width over tracks | mm | | 19 | 50 | |
| k iransport iengtn with standard dipper mm 5353 5349 5518 549 | K | Transport length with standard dipper | mm | 5353 | 5349 | 5518 | 5495 |
| L Track height mm 560 | L | Track height | mm | | 56 | 60 | |
| M Counterweight clearance mm 618 | М | Counterweight clearance | mm | | 61 | 8 | |

| ENGINE | | | | | |
|------------------------|----------------|----------------------------|----------------------------|--|--|
| | | Standard | Optional | | |
| Machine model | | 48z-1, 51r-1, 55z-1, 57c-1 | 48z-ı, 51r-ı, 55z-ı, 57c-ı | | |
| Model | | Stage 3A 404D-22 | Tier 4 Final KDI 1903 | | |
| Fuel | Die | esel | | | |
| Cooling | Water cooled | | | | |
| Gross power ISO 14396 | kW | 35.7 (@ 2600rpm) | 36 (@ 2200rpm) | | |
| Net power | kW | 33.1 (@ 2600rpm) | 33.4 (@ 2200rpm) | | |
| Gross torque ISO 14396 | Nm | 143 (@ 1800rpm) | 225 (@ 1500rpm) | | |
| Displacement | сс | 2179 | 1903 | | |
| Gradeability | degrees | 35 | 30 | | |
| Starter motor | kW | 2 | 2 | | |
| Battery | volt / amps | 12V / 75Ah | 12V / 75Ah | | |
| Alternator | amps (Air con) | 85 | 100 | | |

| UNDERCARRIAGE | | | | | | | |
|--|--------|-------|-------|---------------|------|--|--|
| Machine model | 48z-ı | 51R-I | 55z-ı | 57 c₋ı | | | |
| No of top rollers | | | | I | | | |
| No of bottom rollers | | | | 4 | | | |
| Track width rubber (STD) | mm | 400 | | | | | |
| Track width steel | mm | | 40 | 00 | | | |
| Ground bearing pressure (400mm tracks) | kg/cm² | 0.30 | 0.32 | 0.35 | 0.36 | | |
| Ground bearing pressure (550mm tracks) | kg/cm² | 0.22 | 0.26 | | | | |
| Track tensioning | | | Gre | ease | | | |
| Travel speed – low | kph | 3 | | | | | |
| Travel speed – high | kph | | 4 | .6 | | | |
| Tractive effort | kN | 35.7 | 36.5 | 38.1 | 40 | | |

| HYDRAULIC SYSTEM | | | | | |
|--------------------------------------|-----|-------|-------|-------|---------------|
| Machine model | | 48z-ı | 51r-ı | 55z-ı | 57 c-ι |
| Pump | сс | | 6 | 3 | |
| Nominal output @ 2000rpm | lpm | | 13 | 26 | |
| Excavator/track main relief pressure | bar | 24 | 0 | 2 | 65 |
| Slew main relief pressure | bar | | 2 | 16 | |
| Auxiliary hydraulic pressure (Low) | bar | | 19 | 90 | |
| Auxiliary hydraulic pressure (High) | bar | | 19 | 90 | |
| Auxiliary hydraulic flow (Low) | lpm | | 4 | 0 | |
| Auxiliary hydraulic flow (High) | lpm | | 9 | 0 | |
| Hydraulic pump | | | Pis | ton | |

| WEIGHTS | | | | | | | | |
|--|----|-------|--------|-------|---------------|--|--|--|
| Machine model | | 48z-ı | 51 R-1 | 55z-ı | 57 c₋ı | | | |
| Operating weight* (400mm rubber tracks) | kg | 4792 | 5112 | 5366 | 5483 | | | |
| Shipping** weight (400mm rubber tracks) | kg | 4662 | 4982 | 5236 | 5353 | | | |
| With FOGs guard – stage 1 | kg | | | | | | | |
| Aircon (includes FOGS guard-stage 1) | kg | | + 61 | | | | | |
| With steel tracks (400mm) | kg | | + 154 | | | | | |
| With steel tracks (550mm) | kg | + 276 | | | | | | |
| With Geo grip tracks (400mm) | kg | + 176 | | | | | | |
| With 4 way dozer | kg | + 219 | | | | | | |
| Hydraulic quickhitch installation weight | kg | | + 7 | 72.5 | | | | |

^{*} Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 600mm bucket, full tanks and a 75kg operator.
** Shipping weight to ISO 6016 is mass of the base machine without an operator, with the fuel level at 10% of tank capacity.

| SERVICE CAPACITIES | | | | | | | | |
|--------------------|-----|-------|----------------------------|-------|---------------|--|--|--|
| Machine model | | 48z-ı | 51r-i | 55z-ı | 57 c-ı | | | |
| Fuel tank | ltr | | 76 | | | | | |
| Engine coolant | ltr | | Stage 3A: 12 / Tier 4: 9.2 | | | | | |
| Engine oil | ltr | Sta | nax | | | | | |
| Hydraulic system | ltr | | 112 | | | | | |
| Hydraulic tank | ltr | | 55 | | 62 | | | |

| OPERATOR ENVIRONMENT | | | | | |
|---|----|-------|-------|-------|---------------|
| Machine model | | 48z-ı | 51r-i | 55z-ı | 57 c₋ı |
| Cab/canopy height | mm | | 2551 | | 2561 |
| Cab/canopy height with FOGS guard LEVEL I | mm | | 2575 | | 2585 |
| Cab/canopy length | mm | | 1291 | | 1491 |
| Cab/canopy width | mm | | 10 | 20 | |
| Door aperture width | mm | | 552 | | 595 |

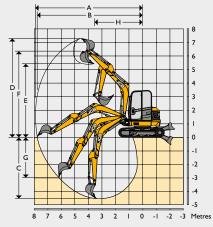
STANDARD EQUIPMENT

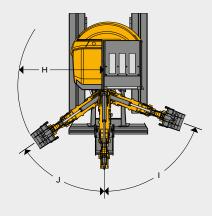
Fully glazed ROPS & TOPS certified cab with programmable Intermittent wiper with wash/wipe, 3 speed heater/demister with 4 adjustable air vents, Colour LCD display, Digital clock, Internal lockable toolbox, Cup holder, Coat hook, stowage net, 12v accessory socket, Interior light, Full audio/visual warning systems, Auto idle throttle, Below idle system, one touch idle, 4 power bands(light, eco, heavy & heavy plus), ISO servo controls with electro-hydraulic dozer lever, Electro-proportional thumb controlled high flow single acting auxiliary, 10 selectable auxiliary flow rates, Joystick mounted hammer switch, Neutral start, Full control isolation, "2GO" hydraulic isolation, Midback suspension seat, removable floormat, Beacon ready kit, Two speed tracking, Auto-kickdown track motors, 400mm short pitch rubber tracks, Double element air cleaner, Heavy-duty alternator, Heavy-duty battery, Hydraulic slew braking with disc type park brake, ORFS hydraulics, Colour coded hydraulic hoses, 500 hour dig end greasing intervals, Heavy duty boom cylinder guard, Protected boom worklight, Quick release auxiliary couplers, 100% steel bodywork, dedicated tie down and lifting points, JCB Livelink, CESAR datatag (UK only).

OPTIONAL EQUIPMENT

Air-conditioning with 8 adjustable air vents, Adjustable sunblind, FOPS guard stage 1, 400mm or 550mm steel tracks, 400mm Geo GripRoad Liner tracks, Fan guards, Battery isolator (standard for EU), High back seat or deluxe heated high back air-suspension seat, Radio installation, Electro-proportional thumb controlled low flow auxiliary, Hose burst check valve lifting kit (dozer, boom & dipper), Bucket-to-grab change over valve, Mechanical quickhitch, Hydraulic quickhitch, Hydraulic quickhitch ready pipework, General purpose digging eco buckets, Ditch/grading eco buckets, Hydraulic hammers, Rotating/strobe beacon, Travel alarm, Toolkit, Greasegun & cartridge, Fire extinguisher, Exterior cab mounted mirrors, Interior mirror, Electric refuelling pump, JCB Immobiliser (Unique key or keypad system), Dozer float, 4-way angled dozer blade, Dual pattern controls (ISO/SAE change-over), Thumb ready dipper, Special paint options, LED or Halogen worklights (either, with follow me home function), ROPS & TOPS certified canopy, Tilt rotate ready installation, Media socket, Radio ready kit, Worklight guards (cab), Dipper/crowd Ram guards, Rearview camera, Rearview angled mirror, JCB impact protection front screen, Bushed kingpost, Electronic single-double acting change over valve.

WORKING RANGE





| | | | 48z-ı | 51 _{R-1} | 55z-ı | 57 c-ı |
|----|---------------------------------------|---------|-------|-------------------|-------|---------------|
| | Dipper length | mm | 1450 | 1.5 | 570 | 1820 |
| | Boom length | mm | 2 | 700 | 28 | 866 |
| Α | Max digging reach | mm | 5846 | 5962 | 6119 | 6260 |
| В | Max digging reach on ground | mm | 5714 | 5832 | 5995 | 6144 |
| С | Max digging depth – dozer up | mm | 3327 | 3447 | 3606 | 3856 |
| | Max digging depth – dozer down | mm | 3532 | 3652 | 3843 | 4077 |
| D | Max digging height | mm | 5387 | 5473 | 5664 | 5846 |
| Ε | Max dump height | mm | 4001 | 4088 | 4274 | 4456 |
| F | Max height to dipper nose pivot pin | mm | 4679 | 4764 | 4970 | 5152 |
| G | Max vertical wallcut depth | mm | 1971 | 2069 | 2052 | 2254 |
| Н | Min front swing radius (no offset) | mm | 2599 | 2631 | 2641 | 2608 |
| | Min front swing radius (fully offset) | mm | 2123 | 2151 | 2160 | 2155 |
| -1 | Boom swing left | degrees | | 7 | 70 | |
| J | Boom swing right | degrees | | 5 | 55 | |
| | Bucket rotation | degrees | | 1 | 81 | |
| | Dipper rotation | degrees | | 1: | 21 | |
| | Bucket tearout | kN | | 38 | | 42 |
| | Dipper tearout | kN | 22 | 21 | 29 | 26 |
| | Slew speed | rpm | | 8 | .3 | |

| DOZER | | | | | | | | |
|-------------------------|---------|-------|-------------------|-------|---------------|--|--|--|
| Machine model | | 48z-ı | 51 _{R-1} | 55z-ı | 57 c-ı | | | |
| Dozer length | mm | | 11 | 41 | | | | |
| Max height above ground | mm | 433 | | | | | | |
| Dig depth below ground | mm | 464 | | | | | | |
| Approach angle | degrees | | 3 | I | | | | |
| Width | mm | | 19 | 62 | | | | |
| Height | mm | | 40 | 00 | | | | |

| LIFT CAPACITIES | – 400MM RUBE | BER TRACKS, 2700 | MM BOOM, 1450 | MM DIPPER, NO | BUCKET. | | | | | | | | | | | 48 Z -I |
|-----------------|--------------|------------------|---------------|---------------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|---------------|--------------|----------------|
| Load Point | | 2.0m | | | 3.0m | | | 4.0m | | | 5.0m | | | Capacity at m | aximum reach | |
| | | | 1 | | | 1 | | | 1 | | | | | | | |
| 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 | | | | | | | | | | | | | 842* | 842* | 606 | 3.88 |
| 3.5 | | | | | | | 852 | 959* | 582 | | | | 739 | 784* | 501 | 4.3 |
| 3.0 | | | | 1190* | 1190* | 922 | 847 | 964* | 577 | | | | 651 | 777* | 438 | 4.6 |
| 2.5 | | | | 1321 | 1442* | 873 | 832 | 1016* | 564 | | | | 594 | 747* | 396 | 4.82 |
| 2.0 | | | | 1260 | 1719* | 820 | 812 | 1098* | 546 | | | | 556 | 706* | 367 | 4.97 |
| 1.5 | | | | 1208 | 1949* | 775 | 790 | 1192* | 525 | 544 | 899* | 357 | 536 | 761* | 352 | 5.04 |
| 1.0 | | | | 1174 | 2085* | 744 | 768 | 1280* | 505 | 536 | 1009* | 350 | 526 | 751* | 343 | 5.06 |
| 0.5 | | | | 1155 | 2125* | 727 | 750 | 1347* | 489 | 530 | 883* | 345 | 529 | 812* | 344 | 5.01 |
| 0.0 | | | | 1148 | 2084* | 721 | 738 | 1379* | 477 | | | | 544 | 866* | 353 | 4.9 |
| -0.5 | 1975* | 1975* | 1415 | 1150 | 1965* | 723 | 73 I | 1365* | 471 | | | | 574 | 922* | 373 | 4.72 |
| -1.0 | 2493 | 2824* | 1425 | 1161 | 1756* | 733 | 732 | 1288* | 472 | | | | 628 | 992* | 408 | 4.46 |
| -1.5 | 2517 | 2907* | 1444 | 1184 | 1400* | 753 | 743 | 1090* | 483 | | | | 720 | 1009* | 469 | 4.1 |
| -2.0 | 2269* | 2269* | 1476 | | | | | | | | | | 898 | 958* | 585 | 3.59 |
| -2.5 | | | | | | | | | | | | | 754* | 754* | 754* | 2.83 |
| -3.0 | | | | | | | | | | | | | | | | |

| LIFT CAPACITIES | – 400MM RUBB | BER TRACKS, 2700 | MM BOOM, 1570 | MM DIPPER, NO | BUCKET. | | | | | | | | | | | 5IR-I |
|-----------------|--------------|------------------|---------------|---------------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|---------------|--------------|----------|
| Load Point | | 2.0m | | | 3.0m | | | 4.0m | | | 5.0m | | | Capacity at m | aximum reach | |
| | | | | | | | | | 4 | | | 1 | | | | |
| 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 | | | | | | | 874* | 874* | 683 | | | | 792* | 792* | 669 | 4.04 |
| 3.5 | | | | | | | 899* | 899* | 691 | | | | 697* | 697* | 562 | 4.45 |
| 3.0 | | | | | | | 913* | 913* | 685 | | | | 682* | 682* | 499 | 4.74 |
| 2.5 | | | | | | | 970* | 970* | 672 | | | | 666* | 666* | 456 | 4.95 |
| 2.0 | | | | 1361* | 1361* | 1036 | 951 | 1055* | 653 | 652 | 941* | 444 | 631 | 657* | 428 | 5.09 |
| 1.5 | | | | 1477 | 1645* | 982 | 928 | 1154* | 632 | 645 | 964* | 437 | 609 | 636* | 411 | 5.17 |
| 1.0 | | | | 1423 | 1892* | 935 | 905 | 1249* | 611 | 636 | 988* | 429 | 601 | 681* | 404 | 5.18 |
| 0.5 | | | | 1384 | 2052* | 901 | 886 | 1324* | 594 | 629 | 1003* | 422 | 605 | 742* | 405 | 5.13 |
| 0.0 | | | | 1362 | 2115* | 881 | 872 | 1366* | 581 | 625 | 886* | 418 | 619 | 742* | 415 | 5.03 |
| -0.5 | 1869* | 1869* | 1686 | 1352 | 2095* | 873 | 864 | 1365* | 574 | | | | 653 | 856* | 437 | 4.85 |
| -1.0 | 2622* | 2622* | 1696 | 1352 | 1996* | 872 | 863 | 1306* | 572 | | | | 707 | 885* | 473 | 4.6 |
| -1.5 | 2929 | 3086* | 1714 | 1360 | 1811* | 880 | 870 | 1152* | 579 | | | | 799 | 971* | 535 | 4.26 |
| -2.0 | 2485* | 2485* | 1743 | 1380 | 1497* | 897 | | | | | | | 933* | 933* | 648 | 3.78 |
| -2.5 | 1578* | 1578* | 1578* | 879* | 879* | 879* | | | | | | | 790* | 790* | 790* | 3.09 |
| -3.0 | | | | | | | | | | | | | | | | |



Lift capacity over front.

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 full circle.

| LIFT CAPACITIES | – 400MM RUBB | ER TRACKS, 2866 | MM BOOM, 1570 | MM DIPPER, NO | BUCKET. | | | | | | | | | | | 55Z-I |
|-----------------|--------------|-----------------|---------------|---------------|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|---------------|--------------|----------|
| Load Point | | 2.0m | | | 3.0m | | | 4.0m | | | 5.0m | | | Capacity at m | aximum 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 |
| 4.5 | | | | | | | | | | | | | 1100* | 1100* | 816 | 3.74 |
| 4.0 | | | | | | | 1059 | 1356* | 738 | | | | 939 | 976* | 651 | 4.26 |
| 3.5 | | | | | | | 1060 | 1322* | 739 | | | | 807 | 905* | 557 | 4.64 |
| 3.0 | | | | | | | 1049 | 1368* | 729 | | | | 725 | 869* | 497 | 4.92 |
| 2.5 | | | | 1681 | 1756* | 1142 | 1030 | 1466* | 712 | 702 | 1280* | 480 | 671 | 859* | 457 | 5.12 |
| 2.0 | | | | 1616 | 2141* | 1085 | 1006 | 1597* | 690 | 694 | 1375* | 473 | 636 | 881* | 354 | 5.25 |
| 1.5 | | | | 1546 | 2544* | 1023 | 979 | 1738* | 665 | 684 | 1416* | 463 | 616 | 910* | 414 | 5.32 |
| 1.0 | | | | 1487 | 2862* | 971 | 954 | 1866* | 642 | 673 | 1455* | 453 | 605 | 893* | 405 | 5.34 |
| 0.5 | | | | 1448 | 3032* | 937 | 932 | 1960* | 622 | 664 | 1476* | 444 | 608 | 983* | 406 | 5.29 |
| 0.0 | | | | 1426 | 3066* | 917 | 917 | 2003* | 608 | 657 | 1464* | 438 | 622 | 1020* | 414 | 5.19 |
| -0.5 | 2355* | 2355* | 1763 | 1416 | 2992* | 909 | 907 | 1987* | 599 | 655 | 1235* | 436 | 652 | 1138* | 434 | 5.02 |
| -1.0 | 3048 | 3342* | 1771 | 1416 | 2826* | 909 | 904 | 1897* | 597 | | | | 701 | 1215* | 467 | 4.78 |
| -1.5 | 3069 | 4098* | 1787 | 1424 | 2560* | 915 | 909 | 1706* | 601 | | | | 784 | 1341* | 523 | 4.45 |
| -2.0 | 3104 | 3398* | 1814 | 1441 | 2158* | 931 | 929 | 1289* | 619 | | | | 926 | 1277* | 618 | 4.01 |
| -2.5 | 2334* | 2334* | 1858 | 1475 | 1499* | 960 | | | | | | | 1115* | 1115* | 810 | 3.39 |
| -3.0 | | | | | | | | | | | | | | | | |

| LIFT CAPACITIES | LIFT CAPACITIES – 400MM RUBBER TRACKS, 2866MM BOOM, 1820MM DIPPER, NO BUCKET. 57C-I | | | | | | | | | | | | | | | |
|-----------------|---|------------|-----------|----------|------------|-----------|----------|------------|-----------|----------|------------|-----------|---------------------------|------------|-----------|----------|
| Load Point | 2.0m | | | 3.0m | | | 4.0m | | | 5.0m | | | Capacity at maximum reach | | | |
| | | | 4 | | | | | === | 4 | | === | | | === | | |
| 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 |
| 4.5 | | | | | | | 922* | 922* | 900 | | | | 884* | 884* | 884* | 4.01 |
| 4.0 | | | | | | | 1206* | 1206* | 917 | | | | 826* | 826* | 748 | 4.47 |
| 3.5 | | | | | | | 1192* | 1192* | 916 | | | | 774* | 774* | 655 | 4.82 |
| 3.0 | | | | | | | 1241* | 1241* | 905 | 851 | 1051* | 614 | 753* | 753* | 595 | 5.08 |
| 2.5 | | | | | | | 1230 | 1335* | 888 | 848 | 1253* | 611 | 825 | 1221* | 594 | 5.27 |
| 2.0 | | | | 1844* | 1844* | 1353 | 1205 | 1461* | 865 | 839 | 1288* | 603 | 715* | 715* | 525 | 5.4 |
| 1.5 | | | | 1863 | 2221* | 1292 | 1177 | 1600* | 840 | 827 | 1335* | 592 | 716 | 769* | 510 | 5.46 |
| 1.0 | | | | 1799 | 2554* | 1235 | 1150 | 1734* | 815 | 815 | 1381* | 581 | 705 | 752* | 501 | 5.48 |
| 0.5 | | | | 1749 | 2780* | 1191 | 1126 | 1840* | 793 | 804 | 1415* | 570 | 707 | 775* | 501 | 5.44 |
| 0.0 | | | | 1717 | 2883* | 1163 | 1107 | 1905* | 775 | 796 | 1423* | 562 | 723 | 837* | 511 | 5.34 |
| -0.5 | 2395* | 2395* | 2171 | 1700 | 2879* | 1148 | 1094 | 1918* | 764 | 791 | 1386* | 558 | 753 | 921* | 532 | 5.18 |
| -1.0 | 3193* | 3193* | 2179 | 1694 | 2778* | 1143 | 1088 | 1867* | 758 | | | | 802 | 987* | 566 | 4.96 |
| -1.5 | 3614 | 3863* | 2195 | 1697 | 2582* | 1146 | 1090 | 1734* | 759 | | | | 883 | 1133* | 623 | 4.65 |
| -2.0 | 3646 | 3690* | 2220 | 1710 | 2270* | 1157 | 1101 | 1463* | 770 | | | | 1015 | 1236* | 714 | 4.25 |
| -2.5 | 2834* | 2834* | 2259 | 1736 | 1776* | 1180 | | | | | | | 1151* | 1151* | 883 | 3.7 |
| -3.0 | 1559* | 1559* | 1559* | | | | | | | | | | 883* | 883* | 883* | 2.9 |



Lift capacity over front.

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.



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