Product Selling Guide

Rotating Telehandler

555-210R / 555-260R

Max lift height - 20.5m / 25.5m
Max reach - 17.8m / 21.4m
Max lift capacity - 5500kg
Capacity at max height -2500kg / 2000kg
Capacity at max reach - 850kg / 300kg
Turning radius (over tyres) - 4.29m
112kW (150hp) Stage V DieselMax Engine

Version 1.3

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For any improvements, opportunities or suggestions, to our product or this guide please contact:
Loadall.ProductEnquiries@JCB.com

Introduction

The JCB Rotating Telehandler is the evolution of over 40 years of experience building the world's number 1 telehandler.

JCB started building Loadalls in 1977 to meet the demands of the house building and materials handling industries. Since then the industries have changed significantly.

Construction sites are now more compact, and the material being moved has changed. Today this could be panellised homes, steel frame buildings or cladding and maintenance work. To recognise this and to deliver maximum productivity the JCB Rotating Telehandler has been designed from the ground up to ensure the perfectly matched machine for the modern construction industry.

In many other countries outside of the UK, the fact is modular housebuilding is much more popular as developers seek to leverage and promote the eco-friendly credentials of modular construction.

And, it is a market that is set to grow around the world, In dollar terms, the global modular and prefabricated housing construction market is expected to grow from $17 billion in 2020 to $28 billion in 2025.

So, in short, modern methods of construction (MMC) and modular construction will become more and more mainstream. This presents the construction equipment industry with some challenges. Rather than think about how many houses or apartments will be built; we firstly need to think more about how they will be built. Because the equipment required to erect modular housing using MMC can be very different to what is traditionally used in housebuilding.

Introduction

To get the panels and other pre-fabricated components in place you need outstanding: reach, lifting capability, manoeuvrability, and versatility. JCB is the world's number one in telescopic handlers. There's not much that a JCB Loadall can't do but we thought it was "high time" that we extended our range to include a new product to reach even greater heights a machine that would lift and load in a way that truly extends JCB's telescopic capabilities and in a way that is very well-suited to MMC and modular construction.

It started with designing a load chart fit for the widest range of applications whilst still making a compact and manoeuvrable machine.

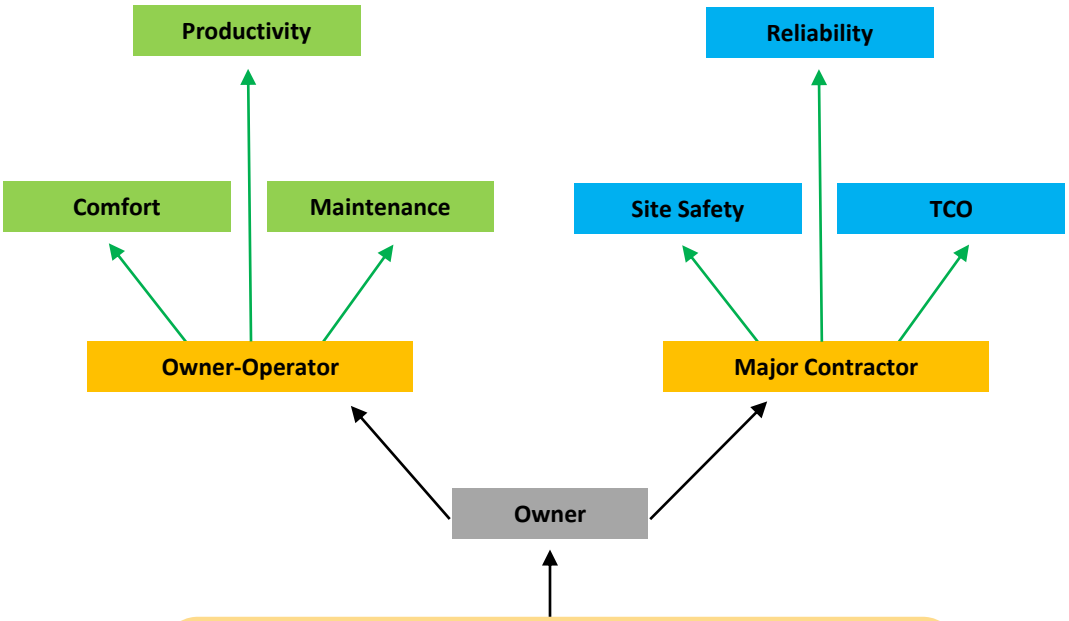
Ease of use means everything to the operator, and with a full load management system twinned with the best multifunctioning and most accurate hydraulics on the market. The operator can have the confidence to handle even the most delicate loads.

Most importantly it is a machine built for the jobsite not the workshop.

Both models, 555-210R & 555-260R combine all of the advantages of a mobile, manoeuvrable, and productive Loadall telescopic handler as well as a crane, and an aerial work platform.

These machines have been designed to meet and exceed the changing requirements of contractors on building sites of the future, which will look very different to the building sites of the past.

KEY SELLING PROPOSITIONS



Instead of asking

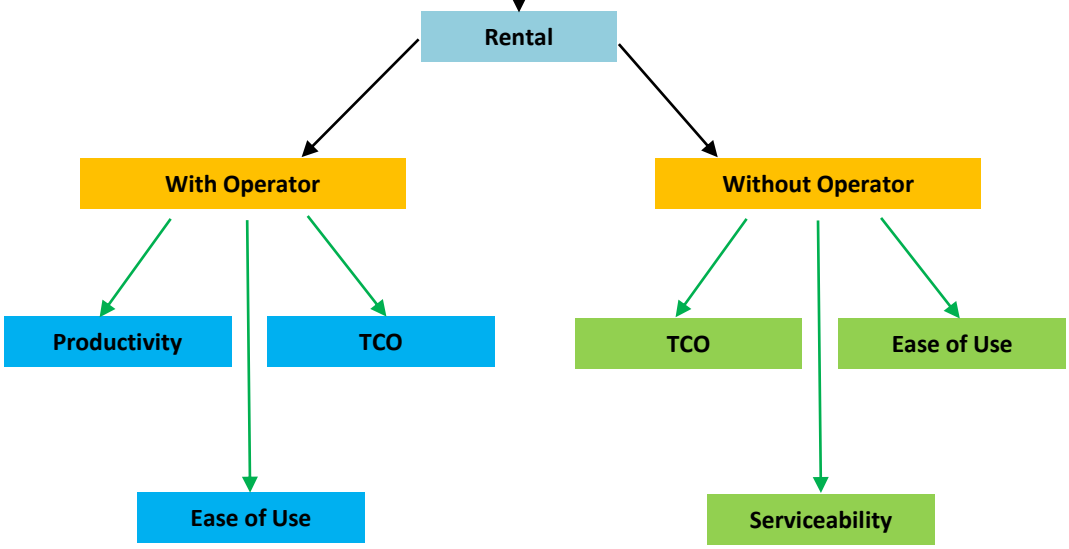
What machines do you have?

Ask

What do you do with your machines?

What is important to your customer?

Uptime – Safety – Performance - Cost



ALL-ROUND VERSATILITY

THE HIGHLY VERSATILE RTH COMBINES THE REACH AND LIFTING CAPABILITY OF A CRANE WITH THE MANOEUVERABILITY OF A TELEHANDLER AND THE ACCESS CAPABILITY OF A MOBILE ELEVATED WORK PLATFORM

The new JCB Rotating Telehandler offers highly manoeuvrable crane-like lifting capabilities at a fraction of the rental or purchase price of a mobile crane and without the need for specialist crane operator qualifications and a reduction in site insurance costs. With faster set up times and better off road capability the Rotating Telehandler offers a more cost effective solution to material handling.

Benefitting from lift heights of 22.5m / 27.5m, 360 degree slew capability, a l 80degree slewing man basket and all-terrain capabilities the RTH is a more versatile alternative to an M.E.W.P.

Maximum productivity with 40kph travel speed, 4.5tonnes maximum capacity on wheels, with 2.5tonnes 360 degrees allows the operator to eliminate reversing on site. Robust design comes from JCB's 40 years of heritage building the worlds # l telehandler.

ALL-ROUND PRODUCTIVITY

THE BEST IN CLASS LOAD CHART AND HYDRAULIC PERFORMANCE, COMBINED WITH THE FASTEST SET UP TIMES AND THE FASTEST WINCH SPEEDS. THE JCB RTH IS READY TO COMPETE WITH A MOBILE CRANE OR ANY OF IT'S COMPETITORS.

The new JCB Rotating Telehandler provides a 5.5tonnes maximum capacity on stabilisers with 2.5tonnes to full height. This gives a 10% lift envelope advantage over the competition exactly where you need it. The Rotating Telehandler is also productive on wheels with 4.5tonnes maximum capacity and 2.5tonnes at all angles.

With the fastest set up times in the market, and the ability to rig the legs in any configuration the JCB Rotating Telehandler can be repositioned and moved around site quickly and easily to ensure maximum productivity. When travelling is required, the RTH boasts a two speed hydrostatic transmission capable of 40kph, a tight turning circle of 4.05m and three steering modes to get you to where you need to go.

With such an integral role in keeping a jobsite working, JCB recognise that keeping up with the pace of work is critical. Best in class hydraulic performance in real world laden situations ensure the Rotating Telehandler moves materials quickly, safely and efficiently. With independent hydraulic pumps offering 160 l/min, boom performance can be individually dialled in to get the most from your machine.

ALL-ROUND EASE OF USE

CONTROLABILITY DRIVES PRODUCTIVITY AND SAFETY ON SITE. JCB ROTATING TELEHANDLER IS THE EASIEST MACHINE TO USE. IT'S SIMPLE CONTROL INTERFACE COMBINED WITH JCB'S AUTOMATE TECHNOLOGY GIVES THE OPERATOR COMPLETE CONFIDENCE.

JCB's control interface has been designed for quick, simple and intuitive use ensuring the information provided is relevant to the application. Transmission information is moved to a separate screen, so one permanent screen at eye level always shows your lift status. Individual service speed profile gives the operator fine control.

Out of cab experience. JCB's remote Control allows the operator to leave the cab and control the machine where they can best see to land the load. With all the same features and controllability as if you were inside the cab.

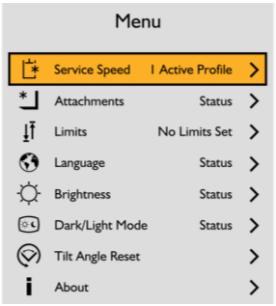
Taking advantage of JCB's Automate technology Auto Deploy, Auto Level & Auto Stow, safe and quick deployment of outriggers is effortless, boasting an industry leading 26 seconds to go from travel position to fully rigged and ready to lift. Auto idle and a hand throttle with automatic engine speed increase mean maximum efficiency on site without the use of the foot pedals.

ALL-ROUND SAFETY

THE LOW BOOM PIVOT AND SPECIALLY DESIGNED CARRIAGE GIVES ALL ROUND VISIBILITY. CAMERA OPTIONS GIVE THE OPERATOR ALL THE CONFIDENCE THEY NEED. FULL ENVELOPE CONTROL WITH SOFT STOPS MEAN THE OPERATOR IS ALWAYS IN CONTROL.

JCB's hydraulics are internally routed meaning the visibility is exceptional when looking down the nose of the boom. Full mirror coverage ensures that all visibility standards are exceeded. The low boom pivot ensures maximum visibility over the right hand side. The new carriage and fork frame ensures maximum fork tip visibility no matter how high you need to go.

A full range of camera options including side and rear cameras give all round visibility. A self levelling boom nose camera which allows the operator to land a blind or high load.



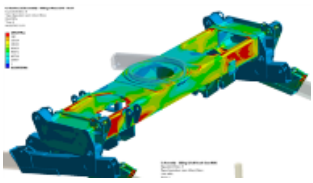
The Load Management shows the operator all the needed information on one screen so there's no need to interact during a lift. Letting the operator know that they have a stable machine and stay away from operational limits. Full envelope control allows the operator to control the limits of the boom or slew function to ensure safe operation in confined spaces or when working near other plant or operatives

Dual joysticks- The main services are activated from a dead man button on the joystick. This prevents unintended movements from the operator with a five second cut out time to prevent inadvertent operation. Individual services can also be locked out to prevent accidents.

JCB Rotating Telehandler is equipped with an RFID attachment recognition system which ensures the correct load chart is always applied. The machine also has auto auxiliary venting, and the option of hydraulic pin locking, so manual attachments can be changed without leaving the cab.

ALL-ROUND PROFITABILITY

THE JCB ROTATING TELEHANDLER IS DESIGNED TO MAXIMISE PROFITS FOR YOU. THIS IS ACHIEVED THROUGH MAXIMUM UP TIME, STRONG JCB RESIUDAL VALUES, LOW RUNNING COSTS AND A LEADING SAE RATING. ALL BACKED UP BY THE BEST DEALER SUPPORT NETWORK IN THE INDUSTRY



Maximum up time is given by a product that has been designed for reliability, which uses industry proven components and has been tested for thousands of hours in the harshest of conditions. This delivers a machine build for the jobsite not the workshop. Backed up by a comprehensive 2 year warranty.

Low running costs, the vertically integrated JCB ensures the highly efficient JCB ECOMAX engine is finely tuned to the whole machine. Common parts to JCB's existing parts are used throughout, alongside industry leading components. Ground level daily checks, 500 hour greasing and service intervals with industry leading SAE values, ensuring a fast and simple service. JCB's Auto idle and one touch idle technology ensures efficient operation.

JCB's telematics solution, LiveLink allows you to manage your machines remotely. Real time location data and geofencing ensures your investment stays safe. Maintenance can be managed simply with stored records. By providing machine statistics and configuration, productivity and profitability can be optimised.

With higher productivity than a fixed frame telehandler and significantly lower costs than a mobile crane, JCB RTH delivers a cost effective solution, ensuring return on your investment. JCB's machines are valuable assets with strong global demand, legendary productivity, superb build quality and the ability to de-emissionise JCB's engines give a maximum resale value.

With over 770 dealers worldwide JCB's global dealer network gives a tailored support solution. JCB has the best response rates in the business and will ensure your operational stays profitable. Whether you need a service or advice on a technical lift, JCB are here to support you wherever you are.

Walk around Guidance

A walk around the machine can be done to many different customers, each with different areas of interest in relation to the machine, operators may be more interested in the cab environment and controls, maintenance engineers will be more interested in the servicing aspects and major components and procurement or owners will be more interested in the cost of ownership.

Before Giving a Walk around:

- Know your customer, know their requirements and know the current machine they are using.
- Make sure the machine is clean, unlocked and a JCB key and isolator are present.
- Understand the full range of features and benefits in detail that are defined in the manual to be able to answer questions easily.

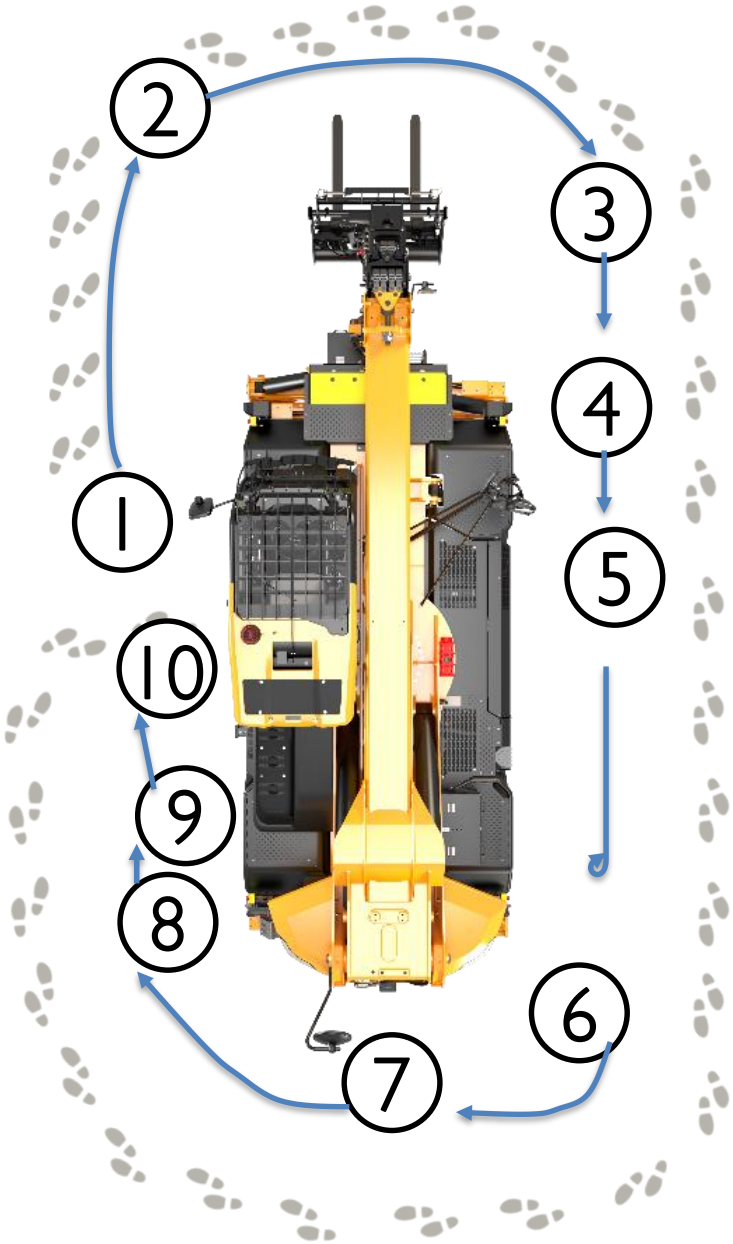
Beginning of the Walk around:

- Begin at the front of the machine and comment on the bold look of the machine, the capacity and model size, allowing for maximum productivity whilst giving the best in class controllability. All coming from JCB's years of experience manufacturing world class structures and hydraulic systems.

During the Walk around:

- Complete a full walk around of the machine from ground level first starting alongside the cab then working around the machine in a clockwise direction, then move onto accessing the cab. Always conclude the walk around with the operator in the cabin where they are comfortable and can ask questions clearly face to face.

Walkaround Guidance



1. Introduction to machine
2. Carriage and Attachments / Man basket
3. Boom design / Load Chart
4. Tyres+Axles
5. Engine Bay / Servicing
6. Stabiliser Design
7. Access Points, Visibility + Cameras
8. Servicing / Fluids
9. Daily Checks
10. Cab / Controls

1. Introduction to machine

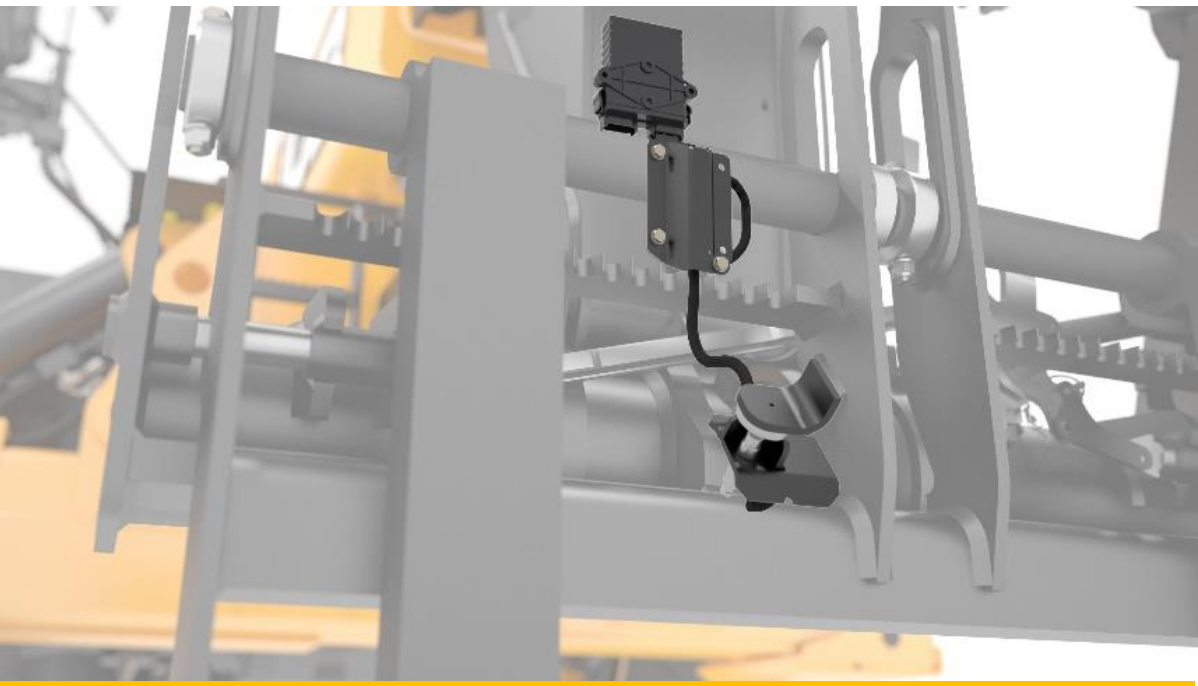
The JCB Rotating Telehandler has been 20 years in the making, a design process focussed on making the most productive and controllable rotating telehandler on the market. Designed and manufactured in house by JCB for the quality reliability that the JCB Loadall range has become synonymous for. All backed up by JCB's worldwide dealer network.

A machine that is more than capable of acting as a tele handler, a crane and a man basket in one:

- Maximum Capacity (360°): 5.5 Tonnes
- Maximum Capacity on Wheels (360°): 2.5 Tonnes
- Maximum Capacity on Wheels (On the front): 4.5 Tonnes
- Maximum Reach: 20.5m – 25.5m
- Gross Power: 112kW / 150hp
- Machine Weight: 17.5 Tonnes – 21 Tonnes
- Emissions Legislation Standard: EU Stage V / EPA Tier 5
- Full 360 degree rotation
- Suit of 10 different attachments to suit all rotating telehandler based applications

2. Carriage and Attachments

- The industry recognised Loadall carriage has been modified to give greater visibility whilst retaining the Clear View pick up points, offered with 10 attachments to suit multiple applications, some key features to note:
- Mechanical & Hydraulic pin locking versions available
- RFID reader mounted on the carriage for feedback of attachment data including operating hours to the LMS screen. Allowing the capacity of the machine to be continuously updated to the current conditions, and attachment service schedule to be adhered to.
- Forks mounted on their own free standing fork frame, allowing easier fitment.
- Fork heel hangs 325mm below carriage tube for improved visibility
- Wide carriage for maximum stability
- ½ inch pipework to boom nose for maximum hydraulic flow for attachments, with drain line.
- Multiple attachments available

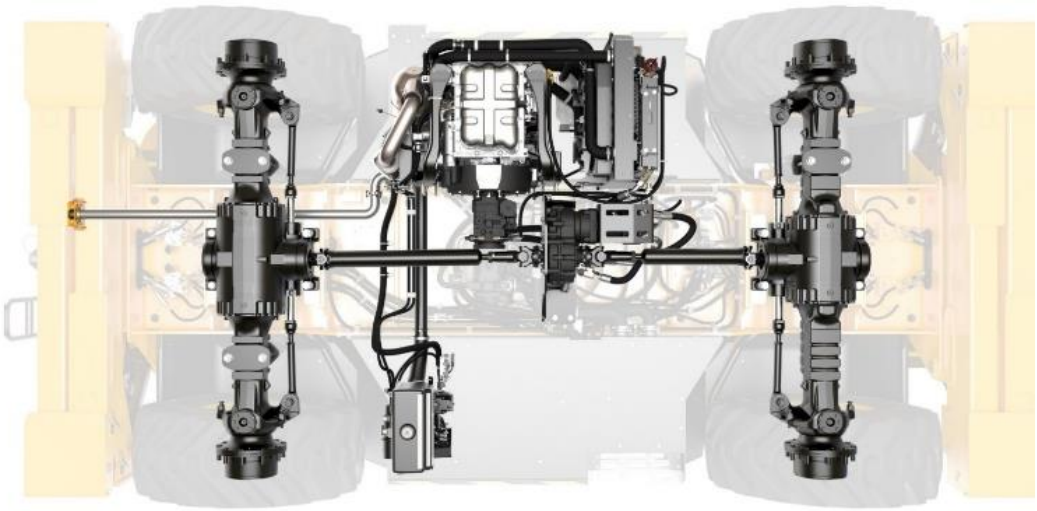


3. Boom

The boom design strength has been a key selling feature for Loadall machines for many years, having produced telescoping booms since 1977 we have many years of practice to get the design right, some key features of the boom design:

- Graphite Impregnated Bushes giving 500 hour greasing intervals
- Internal and compact hydraulic system provides protection and prevents dirt ingress whilst keeping maximum visibility.
- 4 stage boom with a chain driven system uses a single extension ram giving proportional extension and even load distribution.
- ½ inch hydraulic lines running to the nose of the boom for rapid auxiliary flow including a drain line, with optional high flow connectors under the boom
- Patented adjustable side wear pads remove the need for shimming ,similar to those seen on the BHL range
- Neutral-axis boom design for optimal structural performance
- Unique twin lift ram design gives maximum torsional stability, and allows the boom to be mounted as low as possible in the chassis, increasing visibility.
- Short and compact boom nose give best in class over the front and side visibility.

4. Axles and Transmission



From the start of the JCB Rotating Telehandler project the key element to the design has been strength and durability, that's why for our axle and transmission suppliers we have chosen the industry leaders and worked closely with them to match our engine torque curves to the drive train:

- Dana Spicer Axles – permanent 4 wheel drive with the same 3 steering modes as our Loadall range
- Axle oscillation on the front axle of 8 degrees, given ability to travel on uneven terrain.
- Both front and rear axles lock when performing an on-tyre lifting for the best performance.
- Sway fitted as standard to easily level the machine on uneven ground
- SAHR park brake fitted on the rear axle. If the hydraulics were to fail then the brakes would be applied.
- Two speed Bosch Rexroth hydrostatic transmission capable of 40kph in hare and tortoise can be used as a site gear, up to 13kph.
- Brake pressure sensors back of the transmission to incorporate hydraulic braking, reducing brake friction material wear and reducing service costs
- Stop to shift system, but the gear change can be pre selected on the move. Hare gear is capable of climbing a 12% slope unladen.

5. Engine Bay / Servicing

The routine inspections and daily checks on any piece of mobile plant equipment needs to be easy and safe to perform to ensure it gets done, with the JCB Rotating Telehandler this has been part of the design ethos from day one.

- Engine bay & fluids bay doors can be opened with the machine in any position
- The Engine is directly chassis mounted with an external pod for protection, in the event of a collision the engine is less likely to be damaged
- JCB 112kW ECOMAX Stage V engine perfectly matched to the drivetrain, designed with single side servicing and with proven reliability in JCB products all around the world.
- Emissions Legislation to EU Stage V / EPA Tier 5.
- The SCR System is neatly packaged in the engine bay, without compromising the already exceptional access to daily checks and serviceable components.
- Total machine design with 84% parts commonality across the JCB group, for proven reliability and dealer parts back up.

6. Outrigger Design

When we looked at the outrigger design and how they operate on machines that are currently in the market place we could see clear room for improvement, we believe we have the best solution in the market today, to prove this just get an end user in the seat and show him how easy it is, some of the key features of our outrigger design:

- 3 functions: Auto Deploy, Auto Level and Auto Retract. This involves depressing a single button and the machine will do the rest, this gives hands-free deployment, stowage and levelling, allowing the operator to control the hydraulics, and position the machine whilst the machine levels itself.
- Scissor style outrigger design, with horizontally seated feet.
    1. This allows for deployment with no extension
    2. Horizontal feet removes the possibility of dirt being driven into the leg of the outrigger, reducing the chance of sensor failure.
    3. Sensors located at the pivoting end of the leg to protect from damage and dirt ingress.
- Simple patented adjustment of the outrigger shims, as seen on our Backhoe stabiliser legs, allow for simple adjustment by the operator as part of a routine inspection, Fig 1, this design is also used for the boom wear pads

6. Outrigger Design

- The auto outrigger functions have a unique algorithm that gives rapid deployment. The machine will go from roading position to ready to lift within 26 seconds.
- To increase productivity, the machine can travel up to 5kph with the outriggers extended, allowing the operator to simply raise the stabilisers and reposition the machine without needing to retract the stabilisers.
- The outriggers also have simple intuitive individual manual control, allowing an operator to set up the outriggers to avoid obstruction on site, coupled with the auto level function this process is quick and simple, see video
- The multiple mirrors ensure all outriggers are in sight from the cab, coupled with this the LMS screen displays the deployment percentage and when outrigger is in contact with the ground.
- The LMS automatically adjusts the load chart depending on outrigger position, to ensure the maximum productivity and performance can always be achieved from the machine.

7. Access Points, Visibility and Cameras

Access to the cab on any rotating telehandler machine will involve use of access steps, when the machine is slewed away from 0 degrees access can become an issue, on the JCB Rotating Telehandler we have taken this into consideration during the design, we have also considered what the visibility requirements are on sites to ensure the operator can both be seen and see around the machine at all times:

- 4 access points around the machine for access / egress wherever slewed.
- Low boom profile and mirrors provide best in class all round visibility, this can be further improved by camera kits available to maximise visibility:
  - Rear
  - Side
  - Boom Nose – fully wireless with a magnetic mount

- All visibility requirements are exceeded- EN 15830/14401/TUV

9. Daily Checks

1. Ensure the machine is parked on safe level ground

2. Check for cleanliness:

-Clean the windows, light lenses and the rear view mirrors (where applicable).

-Remove dirt and debris, especially from around the linkages, rams, pivot points and radiator.

-Make sure the cab step and handrails are clean and dry. Clean all of the safety and instructional labels. Replace any label that is missing or cannot be read.

3. Check for damage.

-Examine the machine generally for damaged and missing parts.

-Make sure that the attachment is correctly attached and in good condition.

-Make sure that all of the pivot pins are correctly installed.

-Examine the windows for cracks and damage. Glass splinters can blind.

-Check for oil, fuel and coolant leakages below the machine

4. Check the tyres

5. Make sure that all access panels are closed correctly

6. Make sure that all filler caps are installed correctly

Engine bay

Service bay

10. Cab / Controls

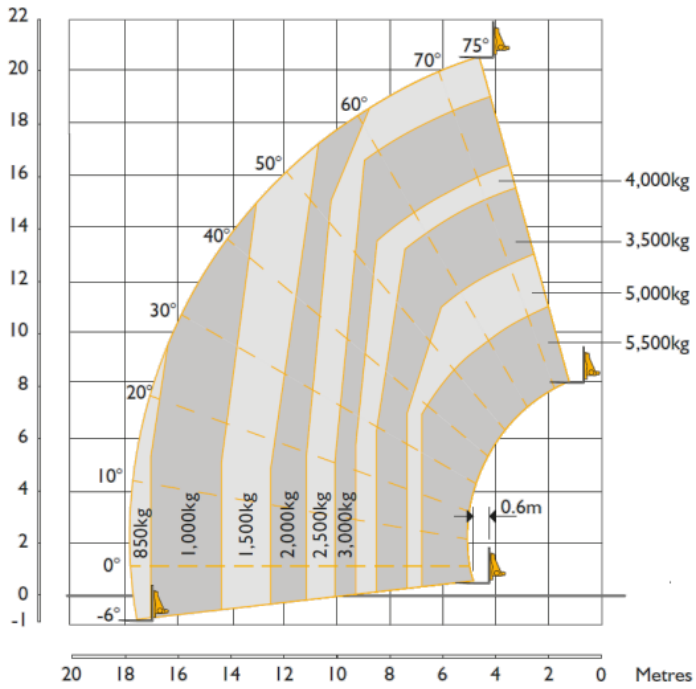




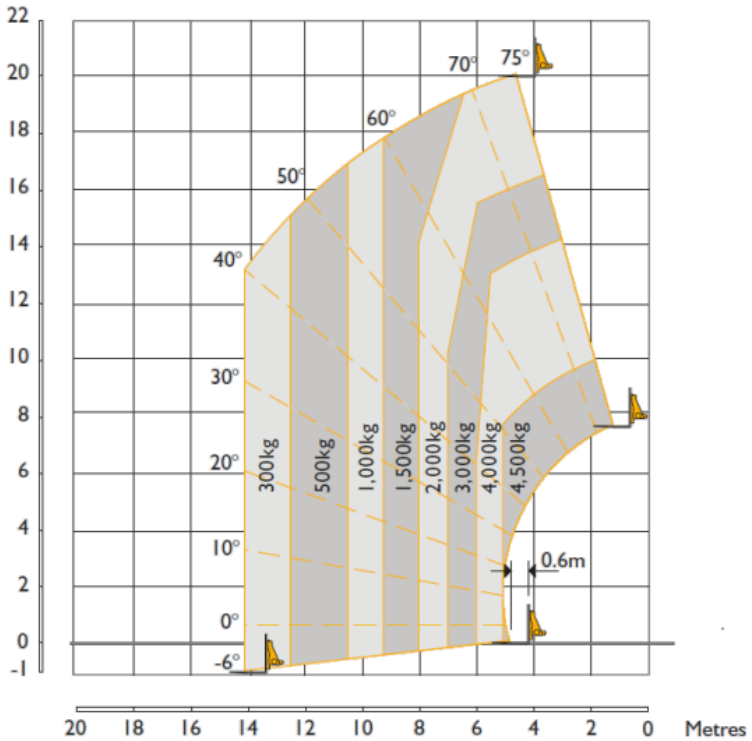
- Seat mounted Joysticks with a Rexroth hydraulic system for fine control.
- LMS/ crane management system at eye level for improved ease of use and focus on the lifting operation.
- Excellent 360 degree visibility
- Easy operator entry/exit onto a flat floor cab via the left hand door which can be locked back for convenience and ventilation
- ROPS/FOPS approved for absolute operator peace of mind
- The LMS is separated from the transmission screen, allowing the operator to focus on just the information needed.
- All information is displayed on a single screen meaning the operator doesn't need to interact with the system when part way through a lift, and has all the information they need.
- Automate functions include stabiliser and engine speed control.
- LMS Layout – one single screen so the operator can keep his hands on the joysticks
- Speed profiles allow the operator to configure the machine to his taste and application
- Height limits allow for safe work in confined areas
- The Hand throttle and auto idle keeps the machine as efficient and the operator as comfortable as possible
- Slew locking lever needs to be engaged when traveling on public highways, manual lever works opposite to a handbrake down is engaged and lever up unengaged.

ROTATING TELESCOPIC HANDLER RTH 555-210R

LIFT PERFORMANCE - FORKS, 360° WITH OUTRIGGERS DEPLOYED

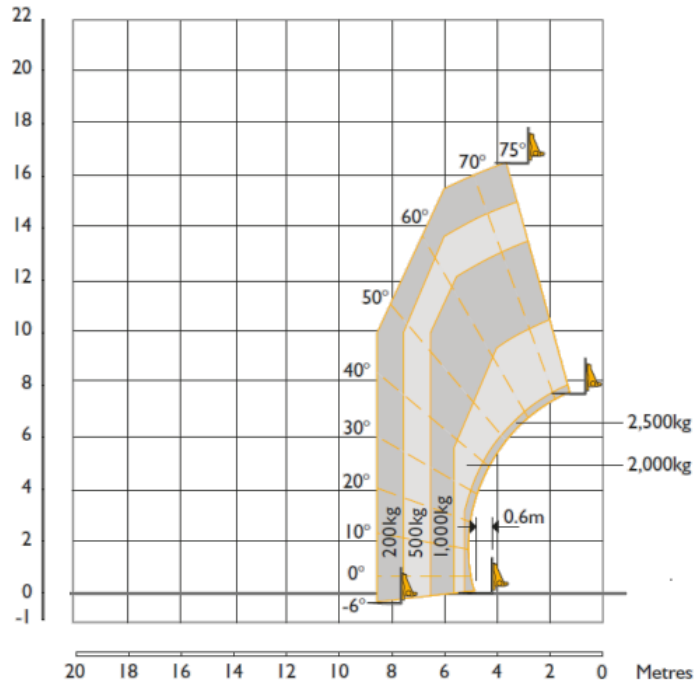


LIFT PERFORMANCE - FORKS, STRAIGHT AHEAD ON TYRES

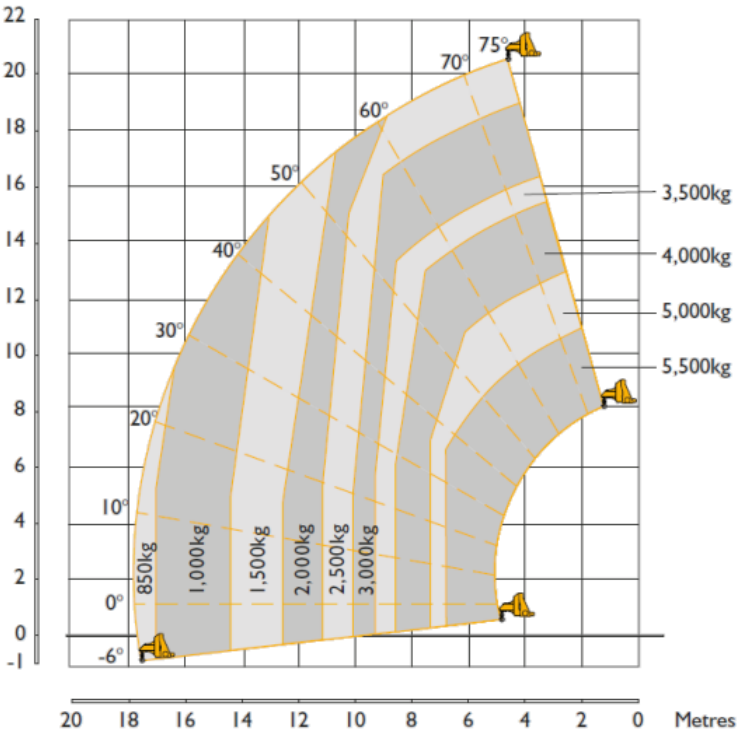


ROTATING TELESCOPIC HANDLER RTH 555-210R

LIFT PERFORMANCE - FORKS, 360° ON TYRES

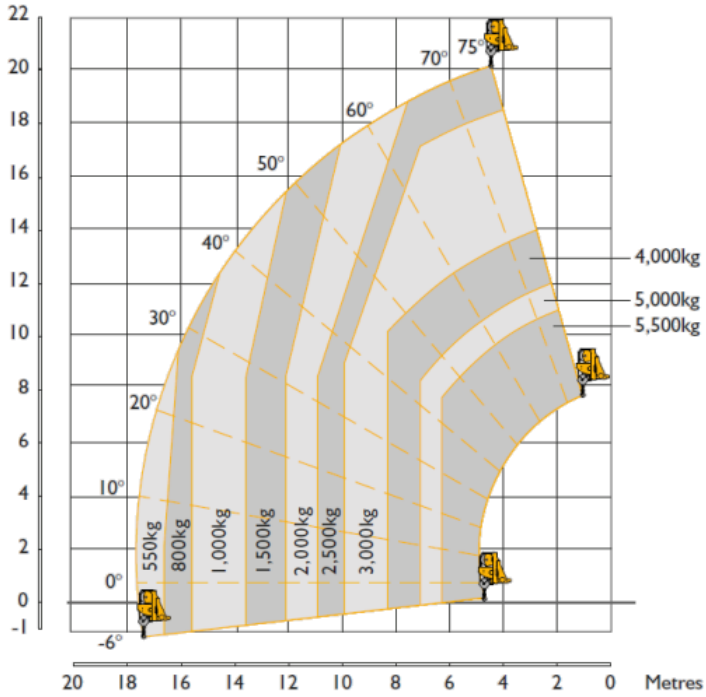


LIFT PERFORMANCE – 680MM JIB, 360° WITH OUTRIGGERS DEPLOYED

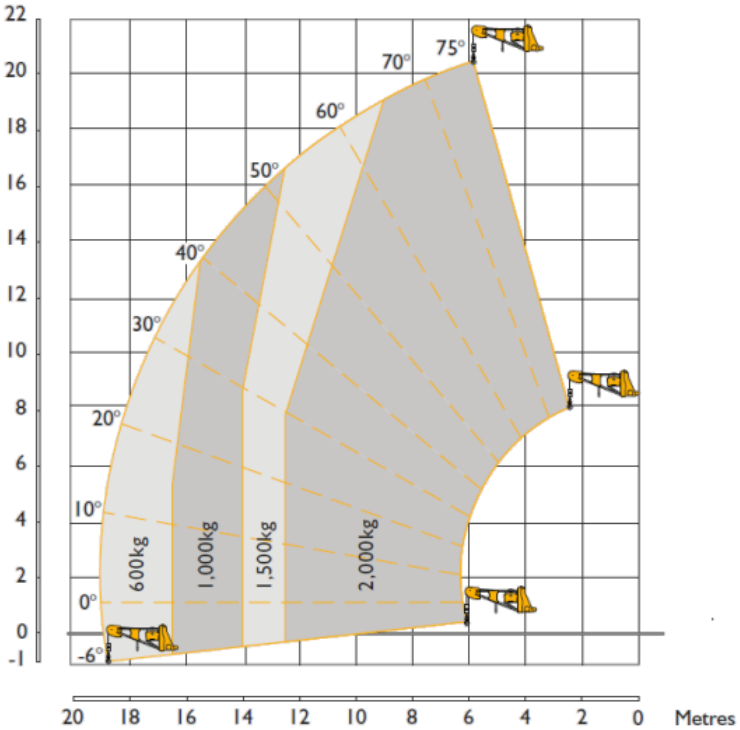


ROTATING TELESCOPIC HANDLER RTH 555-210R

LIFT PERFORMANCE – 5.5T WINCH, 360° WITH OUTRIGGERS DEPLOYED

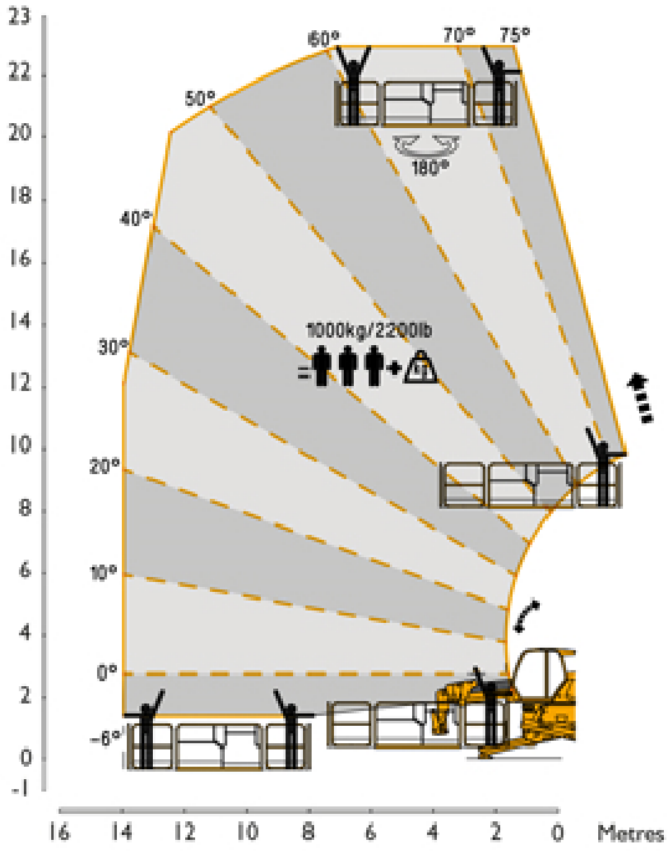


LIFT PERFORMANCE – 2M JIB WINCH, 360° WITH OUTRIGGERS DEPLOYED



ROTATING TELESCOPIC HANDLER RTH 555-210R

LIFT PERFORMANCE – 1,000kg Man Platform 360° WITH OUTRIGGERS DEPLOYED



555-210R POINT LOADS

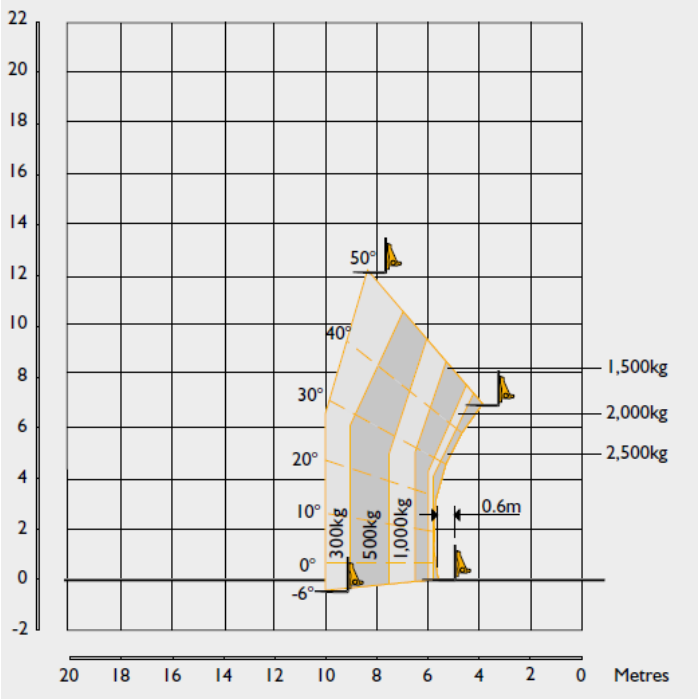
4.5t on forks in carry position (slew aligned)
Load per front wheel 9,300 kg
Load per rear wheel 2,200 kg

5.5t on the forks
Maximum load on a single outrigger throughout 360° slew
13,050 kg

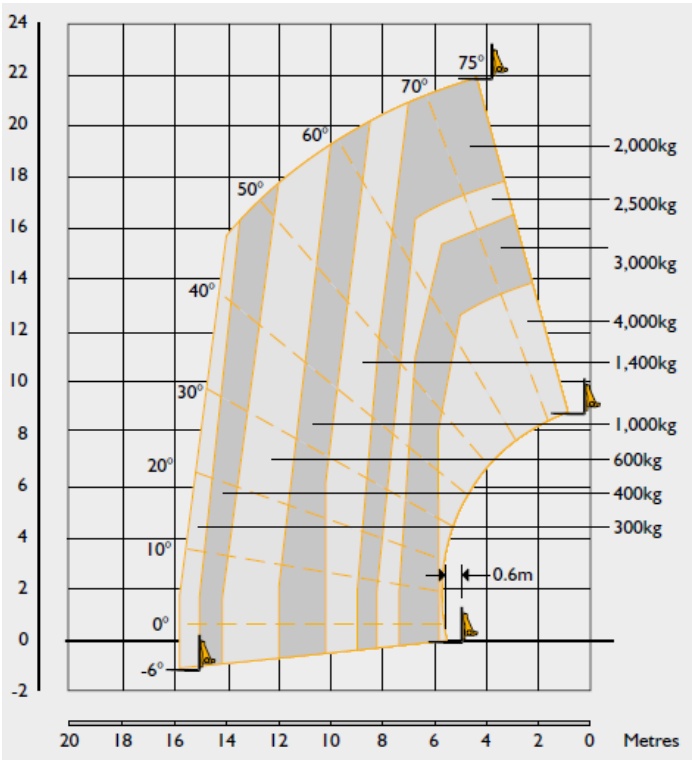
No load on forks (slew aligned)
Load per front wheel 4,500kg
Load per rear wheel 4,800kg

ROTATING TELESCOPIC HANDLER RTH 555-260R

LIFT PERFORMANCE - FORKS, 360° ON TYRES

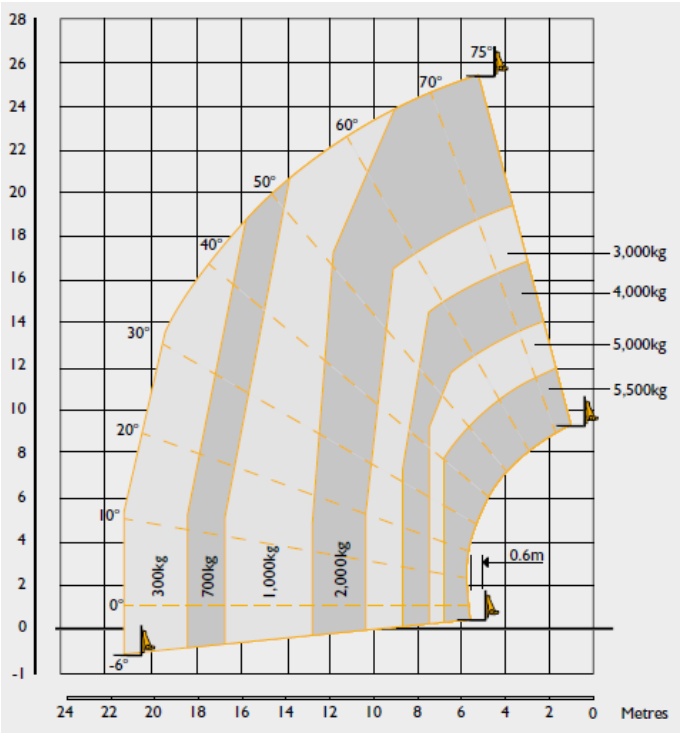


LIFT PERFORMANCE - FORKS, STRAIGHT AHEAD ON TYRES

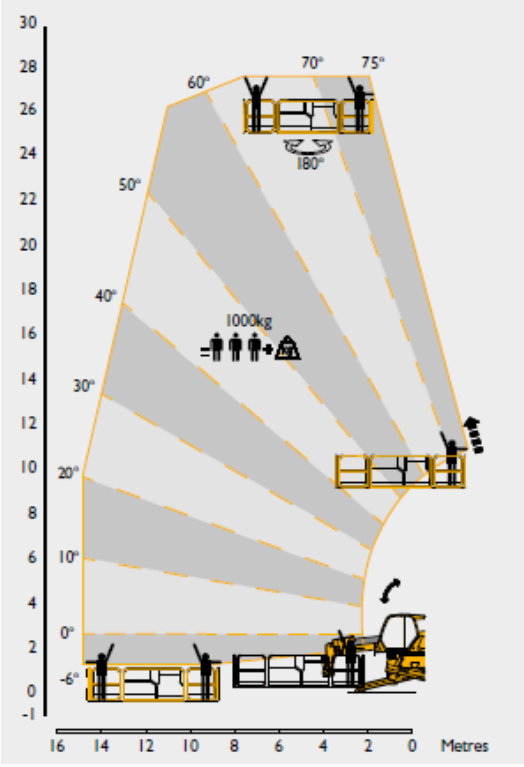


ROTATING TELESCOPIC HANDLER RTH 555-260R

LIFT PERFORMANCE - FORKS, 360° WITH OUTRIGGERS DEPLOYED

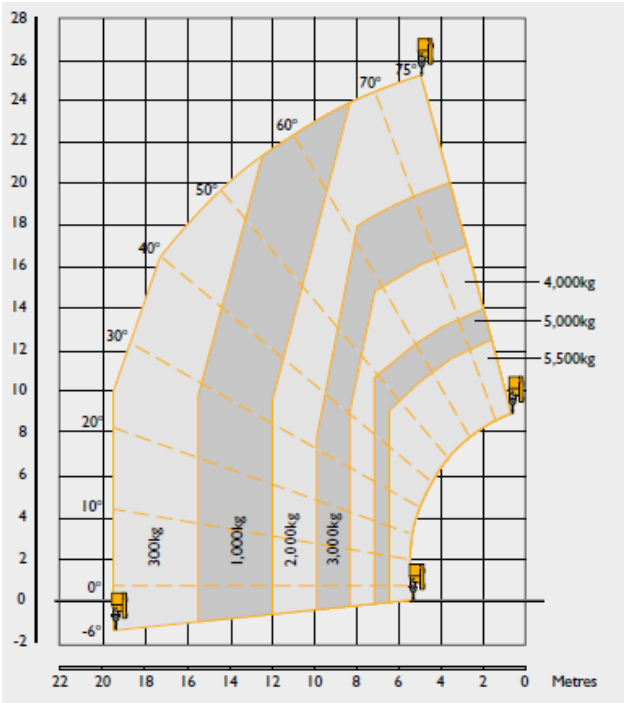


LIFT PERFORMANCE – 1,000kg Man Platform 360° WITH OUTRIGGERS DEPLOYED

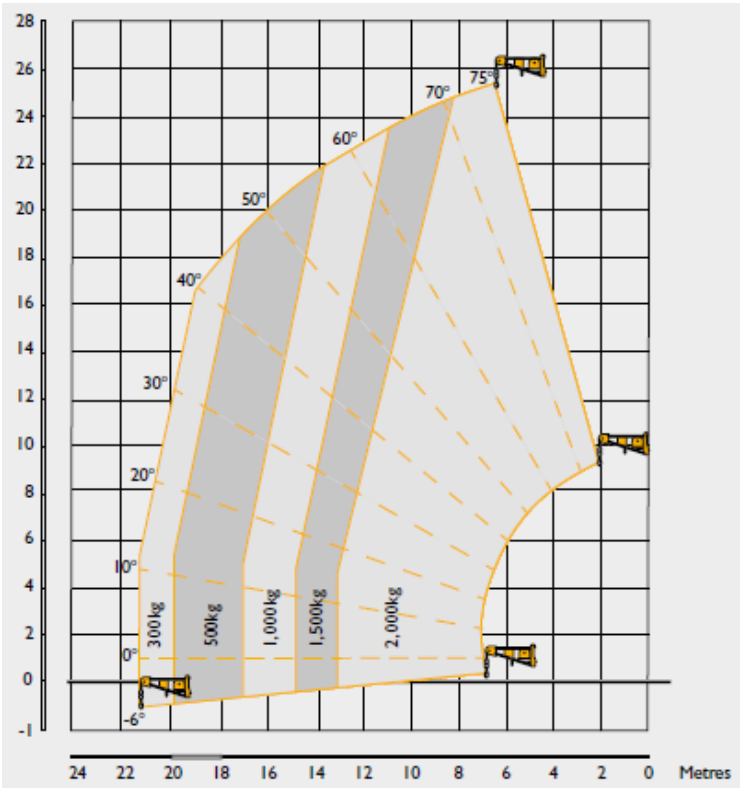


ROTATING TELESCOPIC HANDLER RTH 555-260R

LIFT PERFORMANCE – 5.5T WINCH, 360° WITH OUTRIGGERS DEPLOYED

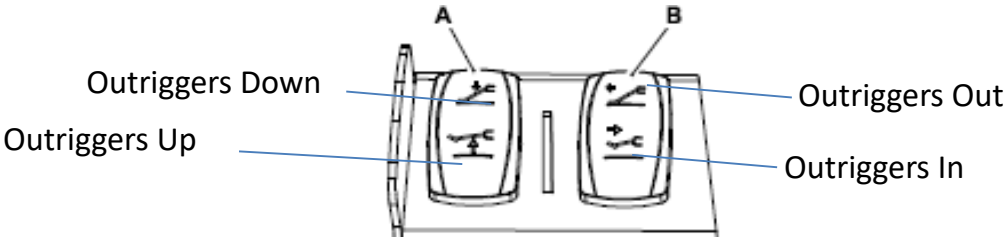


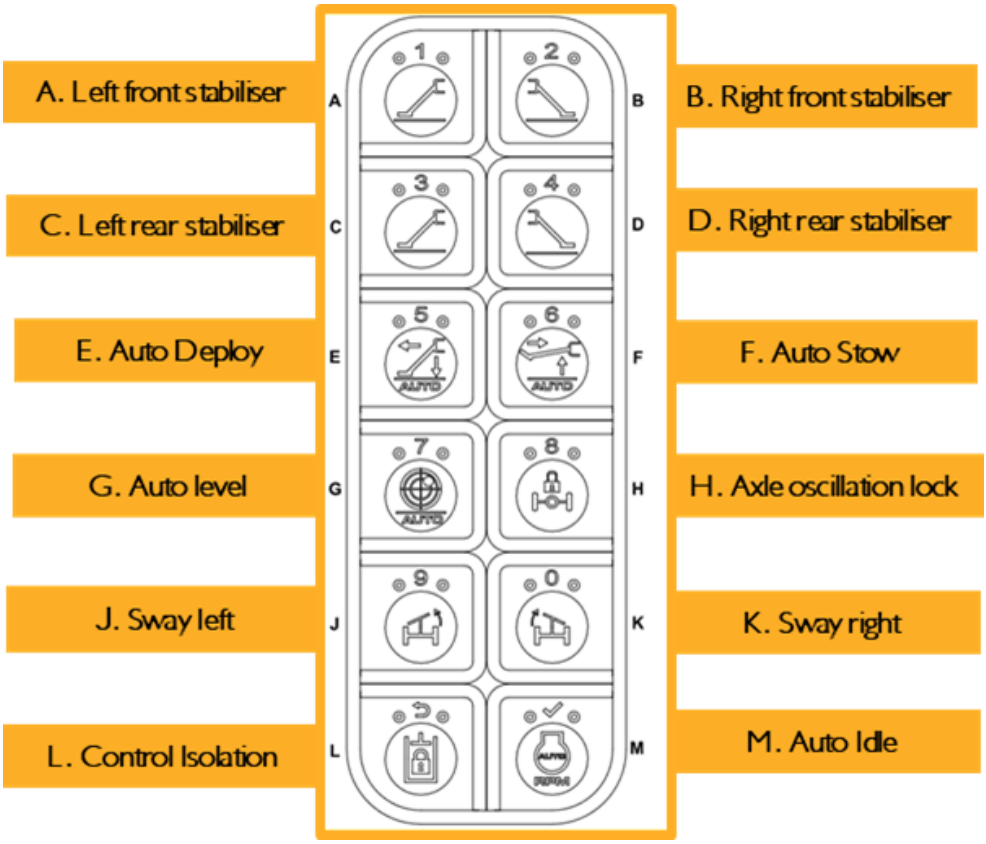
LIFT PERFORMANCE – 2T-2M JIB WINCH, 360° WITH OUTRIGGERS DEPLOYED



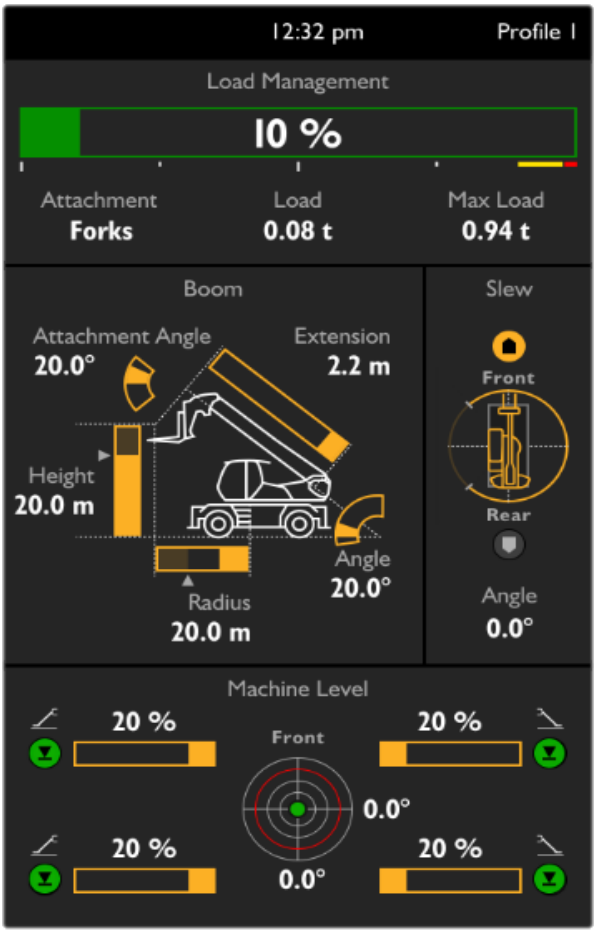
Controls


Horn
Speed Profile Override
Envelope Limit Override
I Touch Idle
Change Speed Profile
Select Aux
Control Enable


A
B
Outriggers Down
Outriggers Up
Outriggers Out
Outriggers In


A. Left front stabiliser
B. Right front stabiliser
C. Left rear stabiliser
D. Right rear stabiliser
E. Auto Deploy
F. Auto Stow
G. Auto level
H. Axle oscillation lock
J. Sway left
K. Sway right
L. Control Isolation
M. Auto Idle

Controls


12:32 pm
Profile 1
Load Management
10 %
Attachment
Forks
Load
0.08 t
Max Load
0.94 t
Boom
Attachment Angle
20.0°
Extension
2.2 m
Height
20.0 m
Angle
20.0°
Radius
20.0 m
Slew
Front
Rear
Angle
0.0°
Machine Level
20 %
Front
20 %
0.0°
20 %
20 %
0.0°


LMS Home
LMS Menu
LMS Back
Up / Down / Select
Engine Revs Down
Engine Revs Up

Detailed Feature Summary

WHY?

- The 555-210R boasts 20.5m and the 555-260R 25.5m lift height with an impressive 5.5 Tonnes capacity.

- These product strengthens JCB Loadalls range, allowing JCB to provide the entire range of material handling solutions to our major customers with mixed fleets. Allows them to rationalise suppliers and deal with one dealer network, one company and one telematics solution.

- It allows us reach new market areas, modular home building, road and rail work. It allows us to displace small mobile cranes with a cheaper and more versatile alternative. Tunnel building, cladding and glazing, bridge inspection and maintenance.

- It strengthens our position in existing sectors such as, conventional house building, MMC, large infrastructure projects, rough terrain access, building refurbishment, restricted size sites. Industrial building construction and steel frame erection.

Detailed Feature Summary

Engine

The development of the ECOMax engine is typical of JCB's reputation for innovation and quality. Focussing on core customer values and resulting in a 'best in class' engine for off-highway equipment. Our customers expect nothing less than the best performance and reliability from their machinery. JCB has provided a unique position where we have been able to offer an engine with class-leading reliability, long service intervals, high efficiency and excellent fuel economy.

The JCB engine is fitted into thousands of mobile applications in every continent and operating environment, experiencing exceptional customer feedback. Allow us to make your investments work harder for you.

- Highly efficient JCB ECOMax 112kW 4,4L with a 'single can' SCR after treatment system, which includes a DPF, DOC or AMOX.
- SCR uses DEF to ensure the machine meets the stringent T4F emissions standards regarding NOx, particulate matter and hydrocarbon emissions.
- DEF Tank has been moved in order to keep it away from the heat from the hydraulic tank

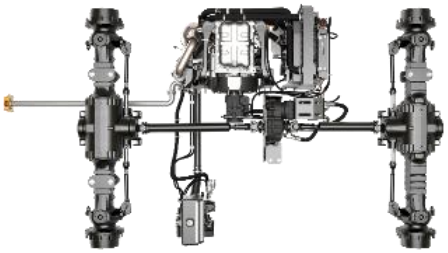
Diesel Exhaust Fluid – What it is and What it Does

Diesel Exhaust Fluid (DEF) is a highly purified, colourless liquid containing demineralised water (67.5%) and Urea (32.5%). DEF is specified under ISO 22241 and is marketed under various names such as Ad Blue®, ARLA 32 or AUS 32. DEF is used within Selective Catalytic Reduction (SCR) systems on diesel engines to reduce harmful exhaust gas emissions known as NOx.

How Does SCR Work?

DEF is injected into the mixer before the SCR catalyst. When the DEF is injected into the exhaust stream it turns into ammonia and water, this ammonia enters the catalyst and reacts with the NOx molecules to form nitrogen and water. Naturally occurring and harmless, they are then released into the atmosphere.

Detailed Feature Summary



Drive Train

Axles

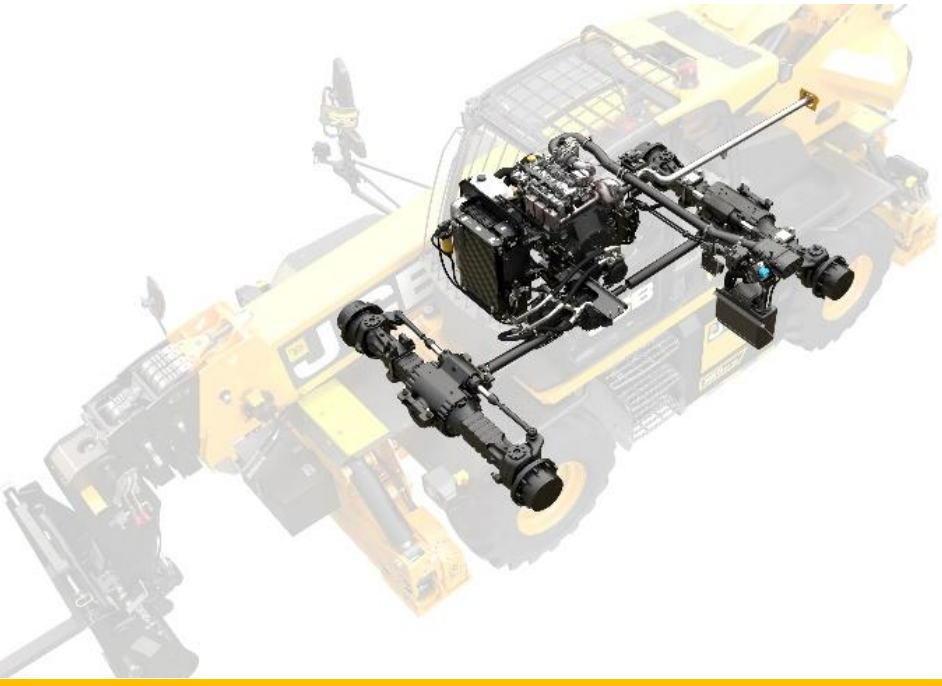
- Dana Spicer axles – the axles from the front of the 560-80
- Dana Spicer drop box powered directly from the hydraulic pump
- Rear axle centre casing encloses the park brake

Transmission

- Bosch Rexroth 2 speed hydrostatic capable of 40kph in hare, and 10kph in tortoise. Stop to switch system, but it is faster than the competition to change. The STS conditions required for a gear change is that the machine is stationary and that either park brake or footbrake is applied - then it'll shift. There is a sensor that confirms that the gear change has been made and prevents drive until the gears are engaged.
- Can set a speed limit through the software
- Permanent four wheel drive

Steering Modes

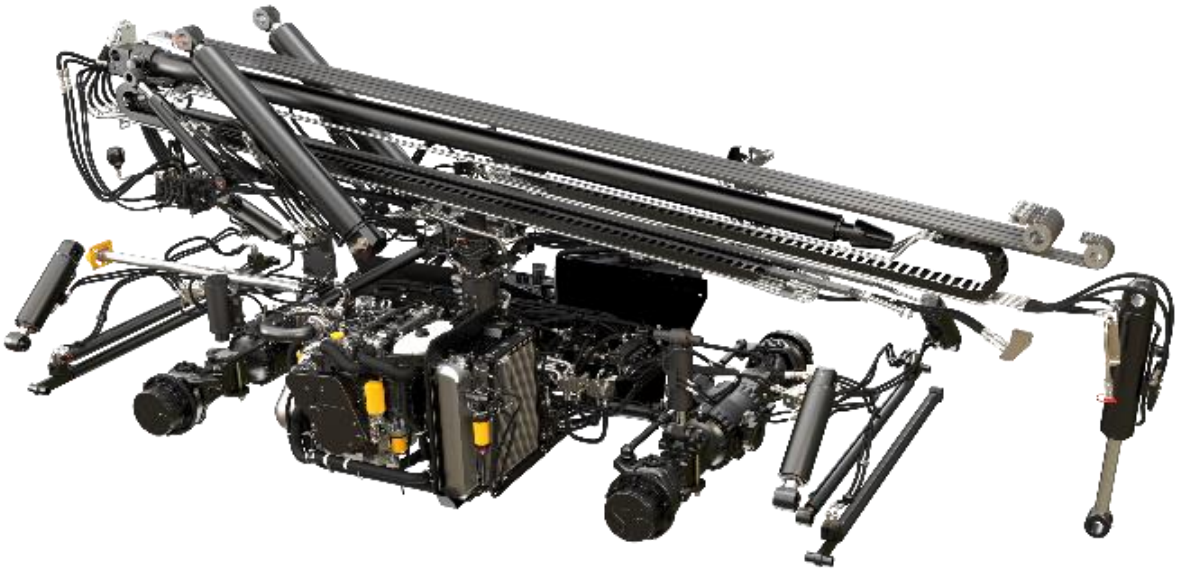
- 3 steering modes
- 22,5" Wheel rims
- 3 tyre options. A traction and a block pattern, from both Mitas and Michelin.



Detailed Feature Summary

Hydraulic System

- Variable Hydraulics- Variable hydraulics increases the efficiency of the machine by only supplying flow when the machine needs it meaning a better utilisation of power.
- Flow sharing valve block- Flow sharing enables a proportional allocation of flow this will overall give the operator a smoother process.
- Lift, Retract and Tilt- The three applications enable a pilot operated counterbalance valves meaning a smoother load control for the operator and also more control for the operator overall.
- Shockless Valves and Slew Motor- These elements enable a smooth start and stop when slewing, resulting in a controllable interface where the operator feels complacent.
- Electro Hydraulic Lift end system- The added feature of Electro Hydraulic Lift end system enables the operator to perform the action whilst staying within a safe environment as well as improving the ease of use for the operator.
- Return suction filter- The return suction filter improves the fluid condition, as a result of this air pollution is reduced as the oil is cleaner.
- 160l/min pump for all boom and slew functions
- Aux limited to 90l/min, comparable to competition, but can hold pressure longer.
- Open centre spool technology means the auxiliary lines automatically return pressure to the tank, so the lines can be connected / disconnected without the need to vent the hydraulics.



Detailed Feature Summary

7. Access Points, Visibility + Cameras

- Comprehensive and easy to read screen which displays all information relevant to the operator- This simple control interface allows the operator to be completely aware of various elements when controlling the machine e.g lift height.
- 360 degree camera- Displaying a clear camera within the cab enables the operator to view all around the machine at any point.
- Primary and Secondary access points are built into the machine all the way round the machine enabling quick and easy access for the operator, outperforming current competition whereby they have a ladder attached to the machine.
- Re design of the boom- The hydraulics are internally routed meaning the visibility is exceptional when looking down the nose of the boom.
- Excellent mirror coverage- Mirrors placed at different points round the machine, front and rear enabling clear visibility.
- Improved visibility rear right corner- Exceeding the current competition the rear right corner provides the operator with a clear view from this point within the cab.
- All visibility requirements are exceeded- EN 15830/14401/TUV

Detailed Feature Summary

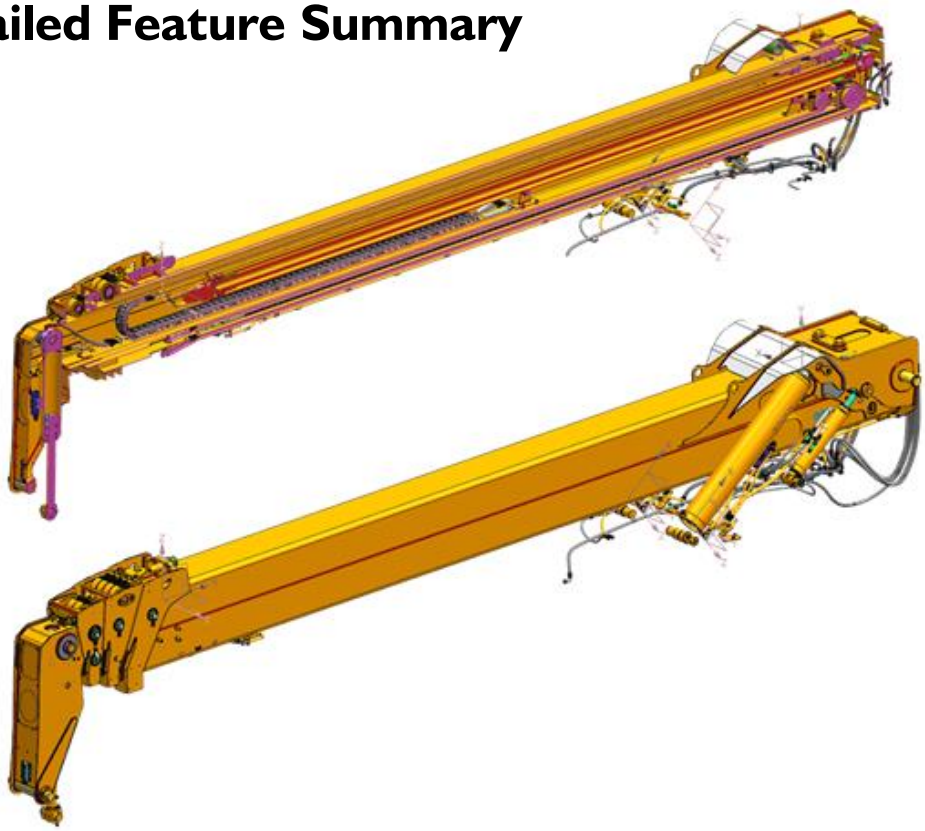
E & E

- The RTH runs on a Can Bus system with 4 CAN networks:
- CAN 1: **Vehicle Bus:** Live Link, Immobiliser, Aftertreatment, DCM, Carling IO, Rotary Encoder, Key pad, RHC.
- CAN 2: **Bosch Bus:** Upper & Lower hydraulic and driveline control
- CAN 3: **CAB Bus:** Cobo system LMS, slew angle sensor, Joysticks, chassis angle. This gives the % capacity to CAN 4.
- CAN 4: **COBO Bus:** Main hydraulic ECU connected to spools. Boom angle / length.

- Live link can get all data from the boom nose (i.e. RFID)
- To update the COBO system you can plug a USB stick into the screen to update all modules.

Detailed Feature Summary

Boom



- Graphite impregnated bushes – 500 hour greasing- The graphite impregnated bushes with 500 hour greasing applied reduces down time for the operator as they are not going to have to keep greasing the bushes as a result of this an increase in productivity within.
- Internal and compact hydraulic system- The internal and compact hydraulic system has been designed to compete with and outperform the current competitors to ensure maximum productivity through maximising visibility with the hydraulics not being an obstruction to the operator.
- Chain drive system- The chain drive system is in place to ensure when loaded the distribution stays proportional this enables efficiency of the machine to remain high throughout production.
- High Grade steel- The heavy duty structure is designed and fabricated with strength and reliability this enables a high quality product and consistency throughout production.
- ½ inch hydraulic lines running to the nose of the boom- The ½ inch hydraulic lines has been designed to increase efficiency and also to outperform the current competitors, the increase of speed running to the nose of the boom enables higher productivity.

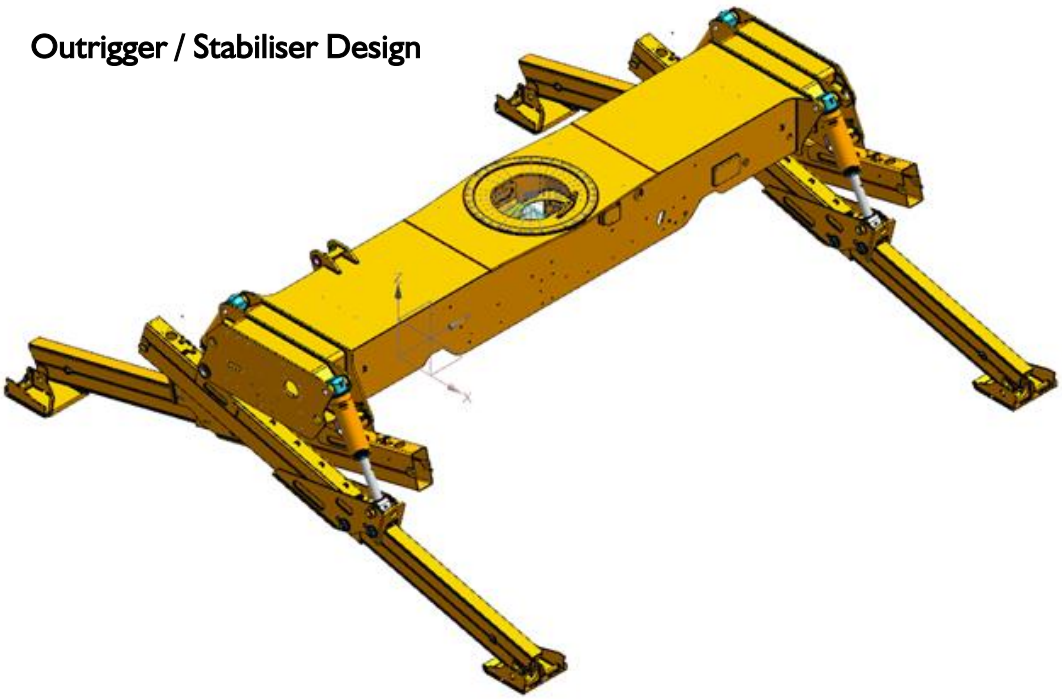
Detailed Feature Summary

Functional Software

- Outriggers- Three applications: Auto Deploy/Retract/Level- The three applications for the outriggers enables the operator to use the outriggers with a button for each application instead of multiple switches. This gives the operator a simple control interface.
- Dual joysticks- The main services are actuated from a button on the joystick this prevents unintended movements from the operator. This enables the operator to be in control at all times with an easy to use button to enable the movement.
- Operating modes- The 3 operating modes: Cab/Remote Control/Man Basket- these give the operator an easy to use interface with the different applications relevant to the job appropriate.
- LMS- Load Management system is a clear screen layout for the operator displaying different functions e.g. when lifting- the screen alerts the operator of when they are exceeding the loading limit. This is a safety feature for the operator and is simple to use.
- Full envelope control- This safety feature enables a safe working zone for the operator by being able to set the machine so it isn't able to go beyond a certain point when working.
- Rear axle oscillation lock- The pivoting rear axle which is fitted with axle oscillation locking improves stability giving the operator a better rough terrain performance when driving in these conditions.

Detailed Feature Summary

Outrigger / Stabiliser Design



- Large Footprint (square platform 5.25m2) - When the stabiliser is deployed the footprint covers a large surface of the ground giving a firmer grip for the operator when completing their job.
- The 3 applications which allow the operator to Auto Retract/Deploy and Level offer the simplest control interface for the process required.
- Scissor style stabiliser design- This offers an easy to use interface with one touch control and faster rigging times which outperforms current competitors within the market.
- Stabilisers can be deployed within the footprint of the machine with no extension for working in tight areas.
- Sway frames enable an operator to make their machine absolutely level before commencing lifting.
- Chassis constantly iterated and optimised with FEA for the best distribution of load allowing greater capacity whether on wheels or stabilisers.

Detailed Feature Summary

Slew Ring – Why is it Externally Mounted?

REASON 1

- By moving the teeth to the outside the pitch diameter is significantly greater than on the corresponding internal tooth slew ring
- With the external slew gear the clearance/backlash is at a greater radius from the slew centre. This reduces the impact of slew play.
- The angular backlash that results is numerically less with external gear than internal gear. Angular backlash that determines how accurately the work end can be positioned and that's directly linked to the driver experience of controllability.
- The JCB has slightly better angular backlash than internal slew gear competitors as a result and that in turn gives better slew controllability.

REASON 2

- The larger pitch diameter allows the required slew torque and slew brake torque to be provided from a slightly smaller slew motor and gear set

REASON 3

- The slew gear is moved further out from the centre line of the upper structure to the area behind the cab. That enables simpler, more elegant upper structure centre spine detail leading to better structures performance and durability.

COUNTER-ARGUMENTS

- Q: The slew gear is vulnerable to jamming or contamination by debris.
- A: It isn't! Rotating telehandler duties and operating environment are nowhere near as aggressive as excavators for example. They're much closer in application to cranes and external slew on cranes is common. In thousands of hours of endurance testing there's been no issues associated with the slew ring.
- Q: The slew gear will be difficult to lubricate and open to environmental degradation.
- A: For sure it's not as easy a squirting a bucket of grease into an excavator slew ring, but it's not difficult to access and it won't require frequent attention. It's reasonably well protected from the weather where it is. We've never had any problem with lubrication or environmental degradation. For those that feel the need there's an optional slew ring guard.

Detailed Feature Summary

Carriage – Clearview Lift & Place / Fork Frame

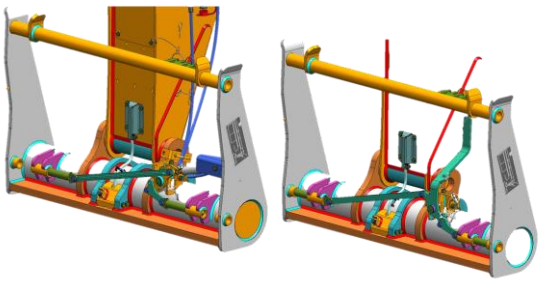
- Clearview lift and place is a standard Q- fit carriage.
- All attachments will be RFID.
- Carriage designed for maximum attachment visibility
- Manual pin locking available, hydraulic will be released at a later stage.

Forks mounted on their own fork frame, so no need to pick up by fork bar. Stands independently for easy attachment change over. Integral load guard. Narrower carriage than competition: 1264mm vs 1470mm (Merlo)

Independently mounted forks, for use on uneven ground. Fork heel hangs 325mm below carriage tube for improved visibility at ground level.

Detailed Feature Summary

Carriage – Clearview Lift & Place / Fork Frame



Load guard and fork stowage integrated into fork frame so can be roaded easily. This means for the operator that they don't have to detach the forks to road as a result of this time is being saved.

Mechanical Pin Locking enables the operator to put manually lock the pin. Hydraulic Pin Locking (when released) allows the operator to enable the locking from the cab saving time for the operator and also providing a simple control interface.

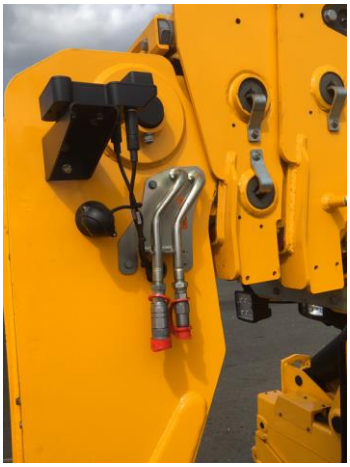
Roller to operate hydraulic pin locking and separate switch for pin unlock. Manually change between the 2 different modes: auxiliary flow and pin locking.

Auxiliary service venting is automatic via a Single Auxiliary valve. This means that attachments can be changed over without the need to release the pressure.

Detailed Feature Summary

Carriage – Clearview Lift & Place / Fork Frame

All JCB RTH certified attachments come with RFID as standard. When an attachment is picked up the carriage mounted sensor automatically detects the attachment and feeds the information back to the load management system, the operator then confirms that the machine knows what it is doing. Providing a load chart specifically calculated to that attachment.



Auxiliary pipe work is 1/2" diameter providing the operator with the fastest speed to the nose of the boom.

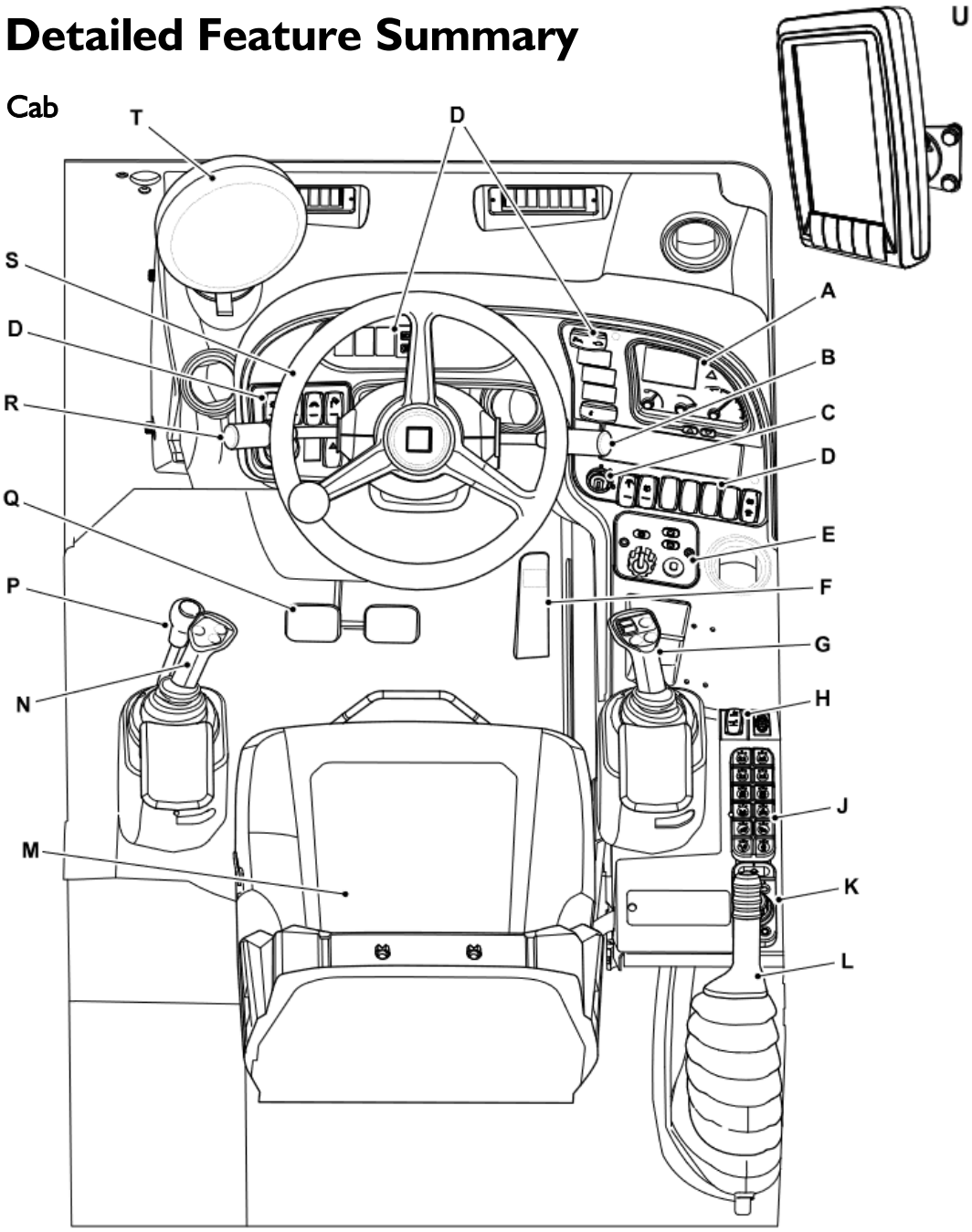
Standard: 1x Auxiliary
Option: 2x Auxiliary

Bi Directional auxiliary, giving the ability to run attachments in both directions with two mechanical relief valves. Flow is controlled by engine speed. Selected either with the throttle pedal or the hand throttle- dedicated drain to tank for motor driven attachments.

SAE- quick release couplings are fitted as standard for attachment connections. SAE quick release couplings are globally recognised fittings and make easy fitment of attachments no matter what continent.

Detailed Feature Summary

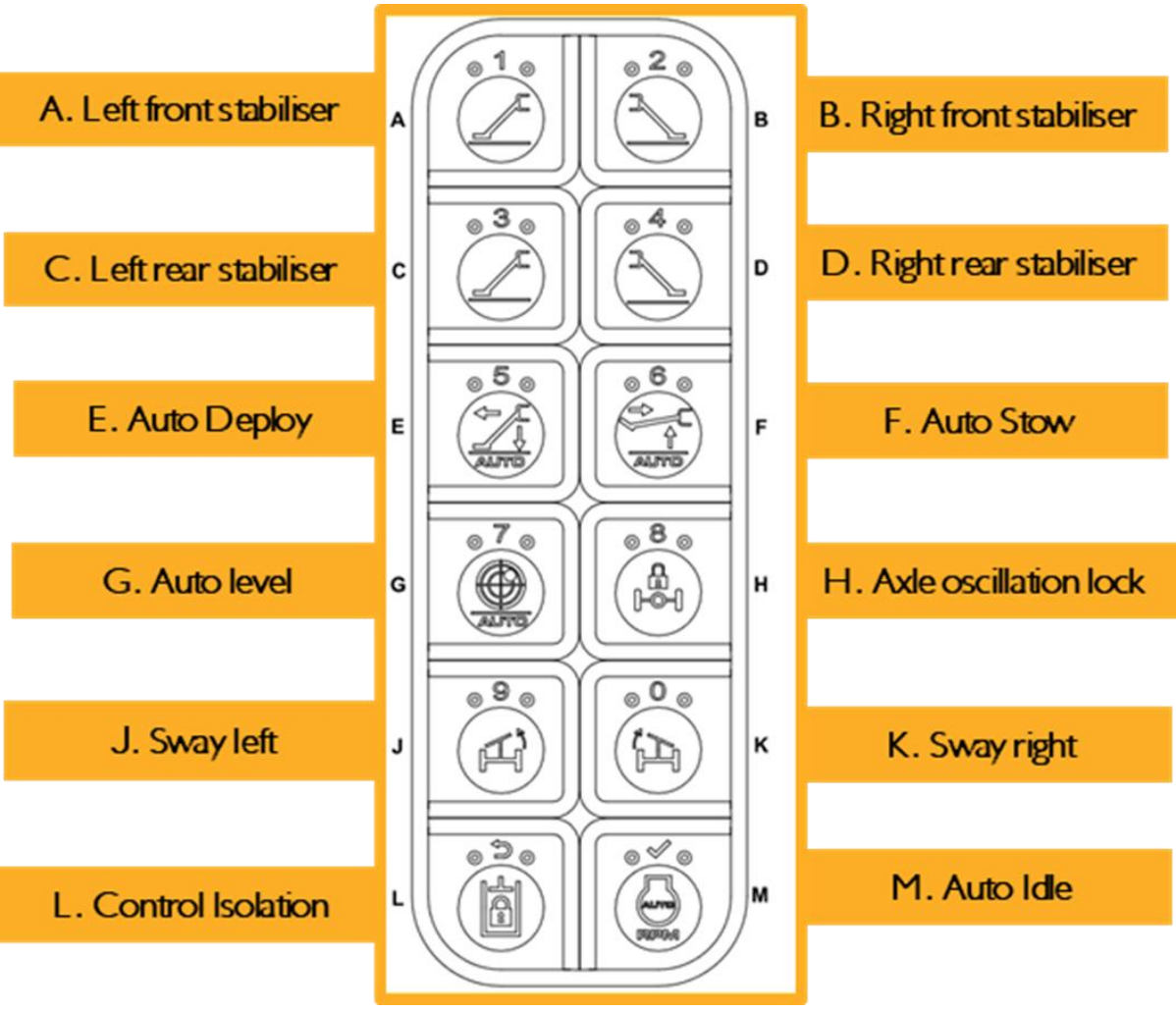
Cab



A Instrument panel
B Multipurpose switch
C Ignition Switch
D Console switches
E HVAC (Heating & Air Conditioning)
F Accelerator pedal
G Right hand joystick
H Outrigger control
J Switch panel
K Rotary switch control
L Slew lock lever
M Operator seat
N Left hand joystick
P Controls isolation lever
Q Brake pedal
R Gear Lever
S Steering wheel
T Face level fan
U LMS

Detailed Feature Summary

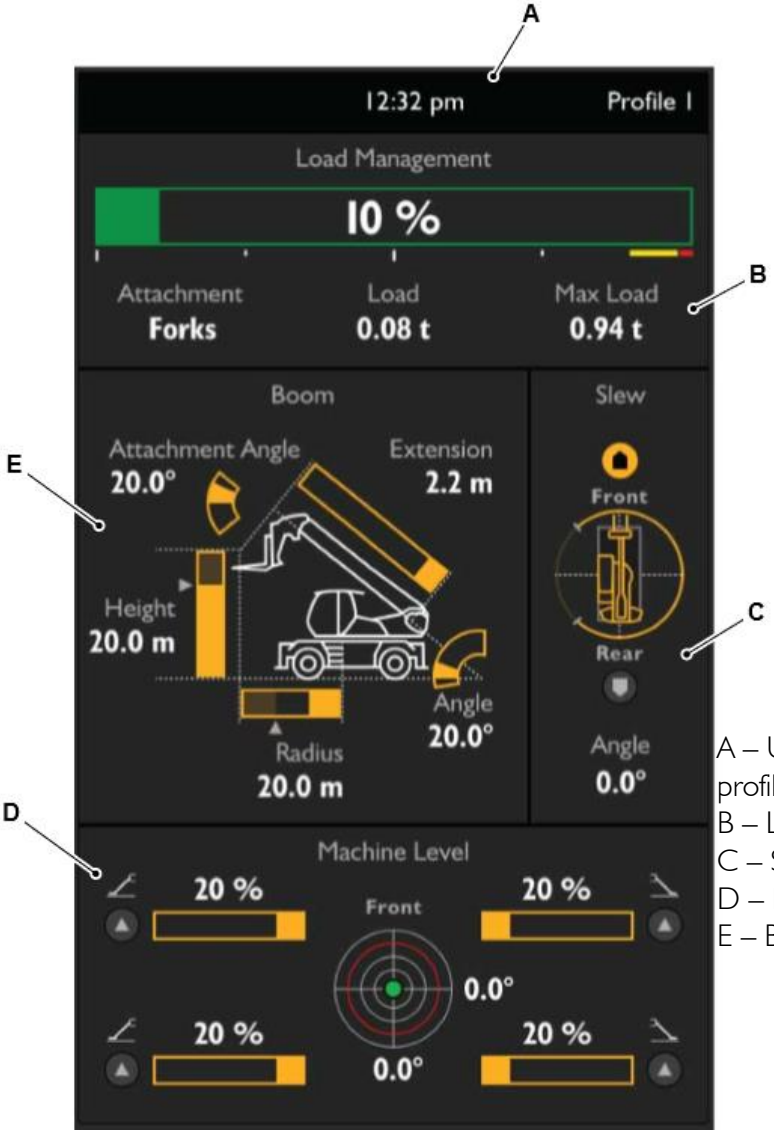
Cab/Controls



Load Management System (LMS)

The key component to the safety of the machines operation is the load management system, this monitors the machine and continually displays critical information to the operator so that at any point during the lift an informed decision can be made on the machine stability and ability to complete a task.

It may sound very complex, but it has been designed in such a way to be intuitive to use and easy for the operator to change settings and adjust the machine to suit the task at hand, giving easy ability to change between settings mid task without taking your eyes away from the job.



A – Upper Ribbon- time & active profile
B – Load management indicator
C – Slew angle indicator
D – Machine level indicator
E – Boom information indicator

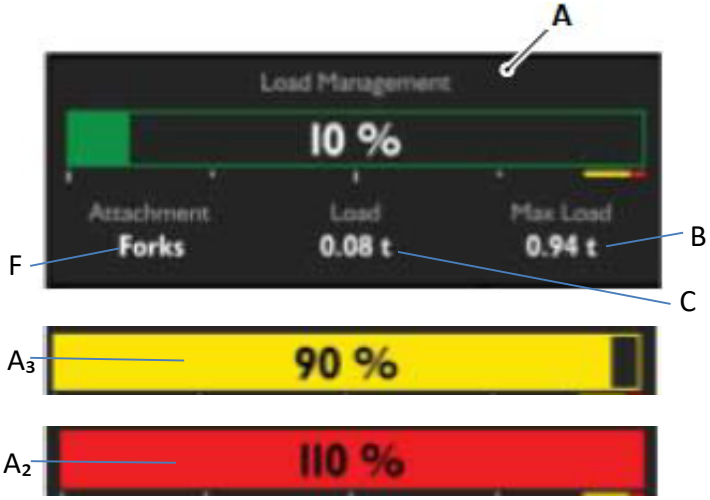
LOAD MANAGEMENT SCREEN

Load Management System

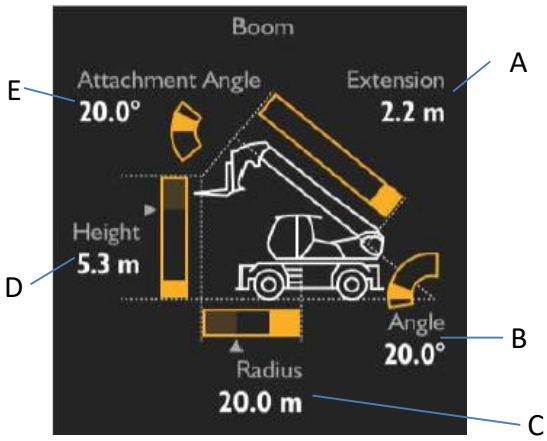
The Load Management System is designed to keep the machine stable in any situation. The maximum capacity of the machine (D) will change depending on a number of factors including:

Machine Level	Attachment
Stabiliser Position	Slew Angle
Lift Reach	Lift Height

Always operate within the safe working limits of the machine.



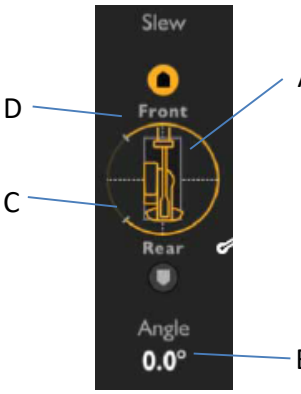
A – Percentage of Maximum Capacity currently in use
B – Maximum Capacity in current configuration
C – Load currently lifted
A_2 – Overload Warning – Alarm will sound and machine will not extend / lower any further. Immediately retract the boom to a safe position
A_3 – Amber Warning – Over 80% Capacity
F – Attachment used



Boom Configuration – Shows live position of boom

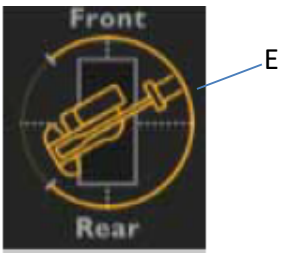
A – Boom Extension
B – Boom Angle
C – Radius (Distance from centre of slew to load)
D – Boom Height
E – Attachment Angle

LOAD MANAGEMENT SCREEN



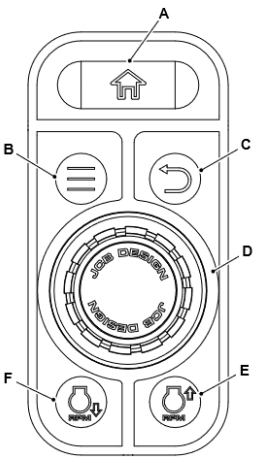
Slew Configuration

A – Slew at 0 Degrees
B – Slew angle
C – Right Slew Limit
D – Left Slew Limit
E – Slew at 45 Degrees



LMS Menu

To Access Menu– Press the LMS menu button on the LMS control panel (B)



Service Speed – Allows individual speed profiles to be set up
Attachments– Shows details of current attachment or allows a customer load chart to be selected
Limits – Gives the ability to set up envelope controls to restrict machine movement
Language– Change the default language
Brightness– Change brightness from 1-10
Dark / Light mode – Change background colour
Tilt Angle Reset – Reset carriage rotation value
About – System Information

LOAD MANAGEMENT SCREEN

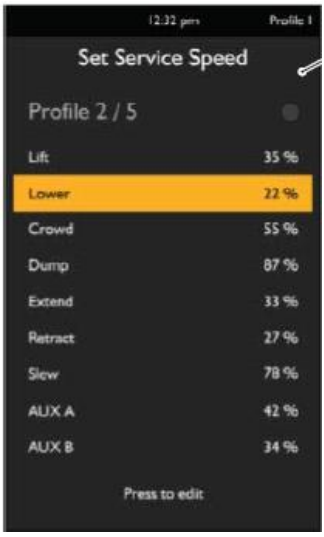
Service Speed

The service speed menu allows the operator to activate and edit different speed profiles. There are 5 profiles, the first (Profile 1) is the default and all speeds are set to 100%. The other four are editable to give increased controllability or productivity in certain applications. To activate a profile use the rotary controller to scroll to the relevant profile and click it, at this point the circular icon will illuminate. To edit a profile, navigate to the needed profile and press and hold the rotary controller. Then individually select and edit the different services to a point where you are happy. To change between the active profiles, use the highlighted button on the joystick shown below. The active profile will show in the top right of the screen. An example, if you were to set a profile for winch work, may look like this:

Lift: 100%
Dump: 0%
Slew: 50%

Lower: 100%
Extend: 100%
Aux A: 50%

Crowd: 0%
Retract: 100%
Aux B: 100%



LOAD MANAGEMENT SCREEN

Limits

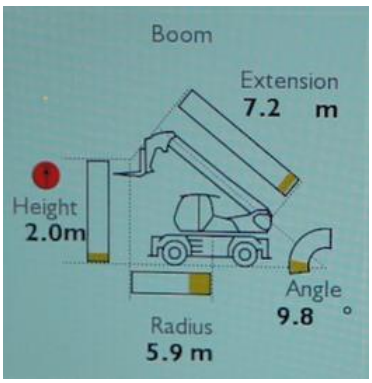
The Limits menu allows the operator to set Height, Radius (extension from centre of slew) and slew limits to reduce the chance of damage to the machine, other plant and equipment as well as personnel.

To set a limit press the rotary controller on the limit you'd like to set, then operate the boom or slew to the position you want the limit set to, then press the rotary controller again to set the limit at the height / radius / slew angle. Once set press the back button to return to the limit menu, and set the other required limits.

If the limits need to be removed use the reset limit option at the bottom of the menu. If you are working and need to temporarily leave your imposed limits to reach something without endangering personnel or causing damage then you can hold the override button on the joystick (as highlighted in green below). An alarm will sound until you return into the safe envelope of the machine.

Limits (LMS)

If any limits are enabled a red warning symbol will show above the height on the LMS screen.



Attachments

Carriage mounted winch, 5550kg

- Carriage winch capable of lifting

5.5tonnes Common applications

- Width 1100mm x Breadth 820 X Height 1260mm (without stand operational).
- Width 1100mm x Breadth 1200mmX Height 1950mm (with stand operational)
- Mass 452 KG (with out stand)
- Mass 557 KG (with stand)
- Flow rate of 90lpm
- Winch speed of 21.5m/min
- Compatible with clear view JCB quick hitch
- Excellent slow speed metering and slow speed controllability, ideal for applications such as glass handling
- Removable stand with easy fitment, with dedicated fork pocket tubes plus additional side fork lift slots and hook point for transport
- Compact design, winch within frame structure
- Hydraulic upper and lower limit stop, no electrical connection necessary
- Easy to couple with dedicated QRC connections to help prevent incorrect hydraulic connections
- RFID attachments identification tag

Attachments

Winch jib, 2000kg, 2000mm

- Jib winch capable of lifting 2tonnes at 2m extension
- Single fall for increased cycle times
- Common applications
- Width 1100mm x Breadth 2110mmX Height 950mm
- Mass 413 KG
- Flow rate of 90lpm
- Winch speed of 21.5m/min
- Compatible with clear view JCB quick hitch
- Excellent slow speed metering and slow speed controllability, ideal for applications such as glass handling
- Fixed or removable stand which does not interfere with the lift envelope so can left in position while using
- Compact design, winch within frame structure
- Hydraulic upper and lower limit stop, no electrical connection necessary
- Easy to couple with dedicated QRC connections to help prevent incorrect hydraulic connections
- Upper limit stop valve positioned within frame to help protect it from damage
- RFID attachments identification tag

Attachments

Reduced height jib

- Extension jib capable of lifting 2T at 2m
- Additional lifting points of 3.5T at 1m and 5.5T at 0.5m
- Width 1116mm x Breadth 2300mmX Height 1535mm
- Mass 326 KG
- Lifting point on top for ease of transport
- RFID attachments identification tag
- Compatible with clear view JCB quick hitch

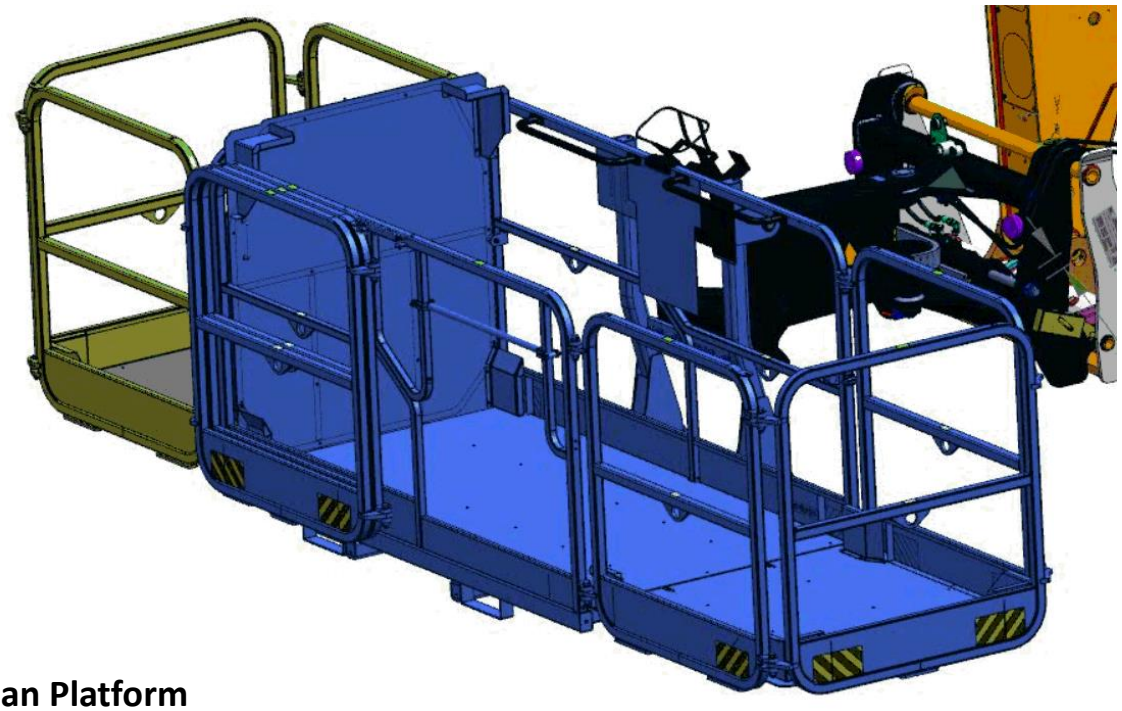
- Useful when loading into a building at reach ensuring clearance between the boom and the floor for the load.
- Gives additional reach when loading at max height.

Attachments

Carriage mounted hook, 5550kg @ 500mm

- Extension jib capable of lifting 5.5T at 680mm
- Single lifting point with hook
- Width 1200mm x Breadth 820 X Height 1035mm
- Mass 214 KG
- RFID attachments identification tag
- Compatible with clear view JCB quick hitch

Attachments

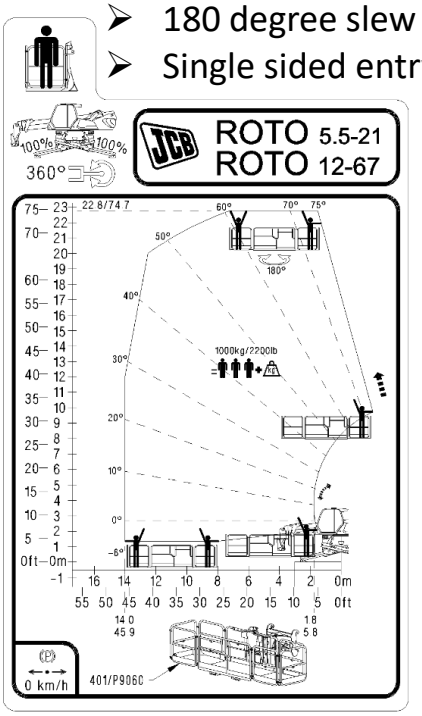


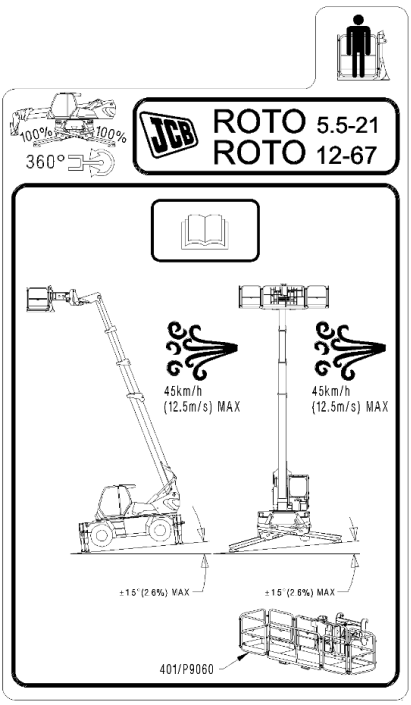
Man Platform

- Aerial work platform allows personnel to work safely at height, ensuring that you can meet even the most difficult access requirements.

1,000kg Extendable Platform 2.4m – 4.4m

- Max occupants: 3 x person
- 180 degree slew
- Single sided entry

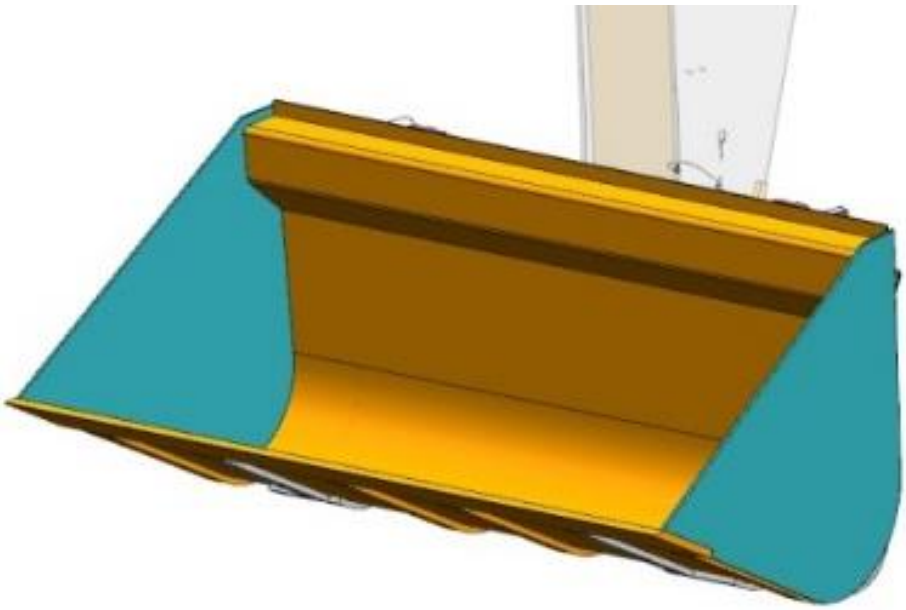




Attachments

Trash Bucket 1850mm wide

- Light weight bucket not designed for ground engaging work



Waste Skip 1.1m³

- Light weight bucket not designed for ground engaging work

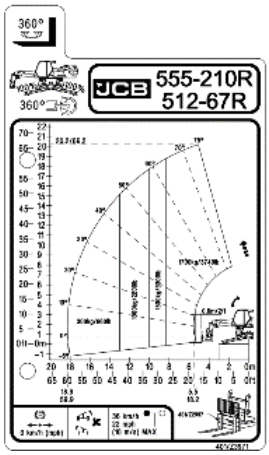
Attachments

NEW

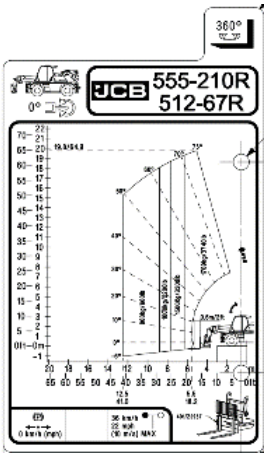
360° ROMASTOR FORKS

- 1700kg Maximum Load Capacity*
- Manual Attachment Selection
- 745kg Attachment Weight
- JCB Q-FIT mount, single auxiliary
- Continuous 360°, Red Locking Bar Limits to 180°

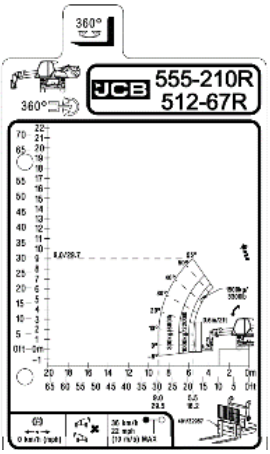
*Varies with load position and machine configuration



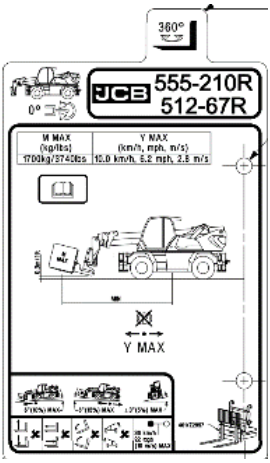
Slewed over stabs



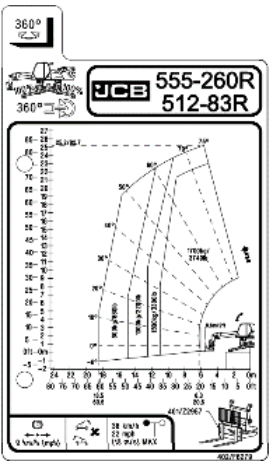
Straight lift (wheels down)



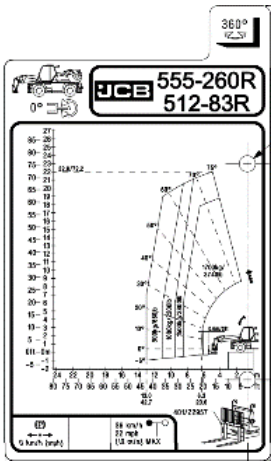
Slewed over wheels (No Stabs Down)



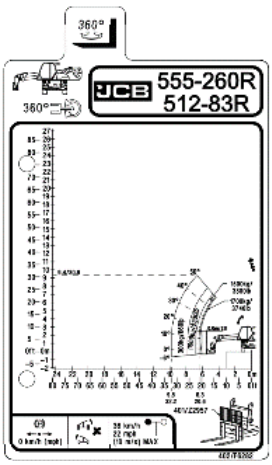
Straight max degree of operation



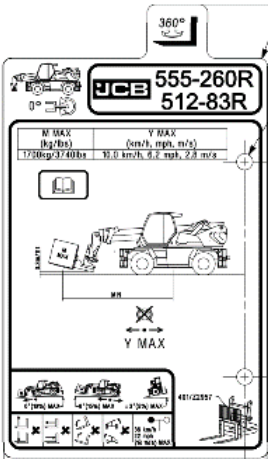
Slewed over stabs



Straight lift (wheels down)

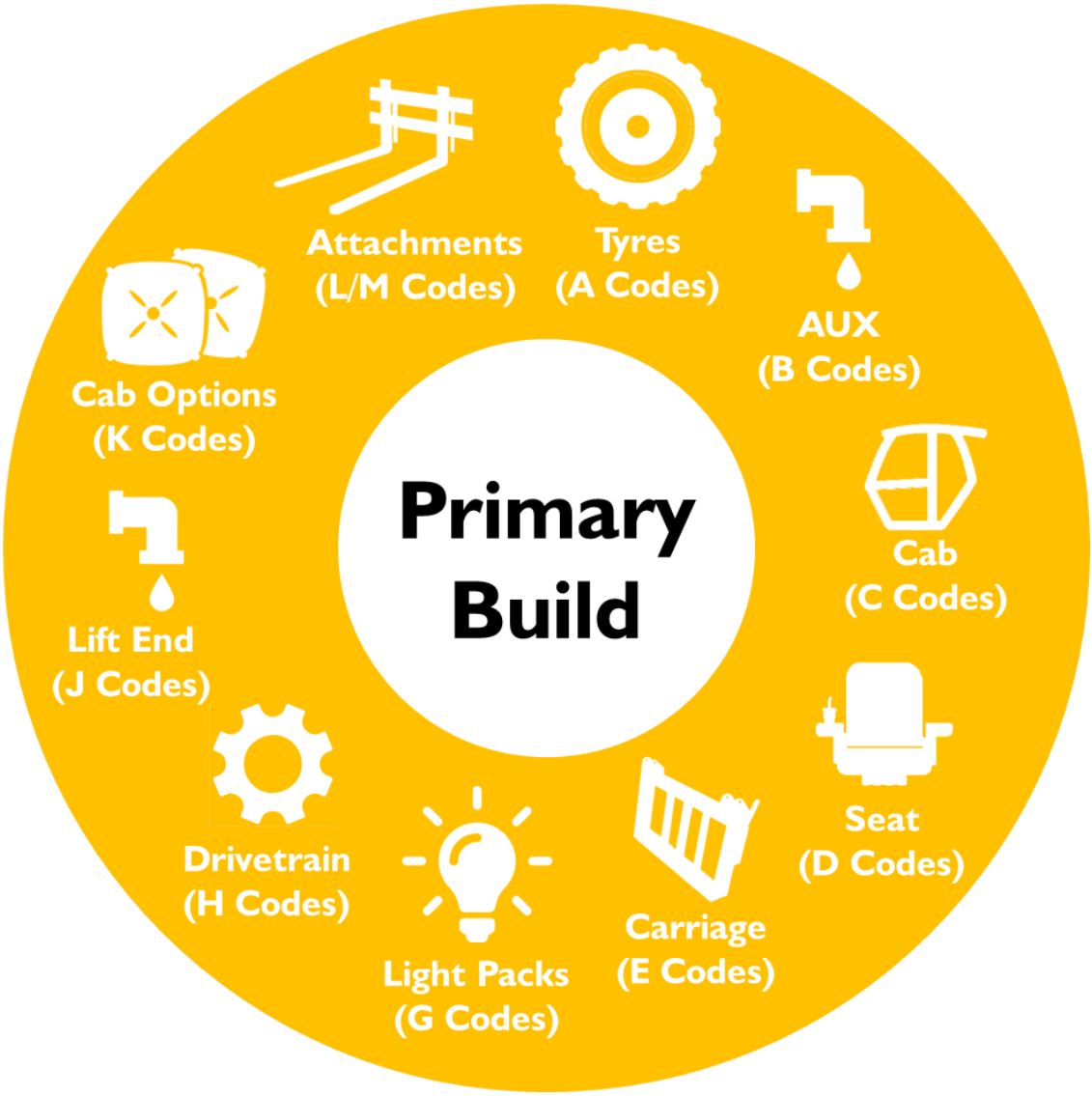


Slewed over wheels (No Stabs Down)

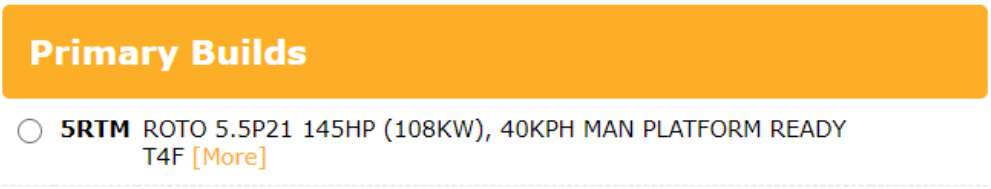


Straight max degree of operation

Machine Options



Primary Build



5RTU: 555-210R

Engine: JCB ECOmax - 150hp (112kW) T4F, hand throttle and auto idle
Transmission: 2 speed hydrostatic, 40kph, stop to shift
Brakes: hydraulic powered service brakes & hydraulic (SAHR) park brake
Rotation: 360 degrees with manual slew lock
Outriggers: Telescopic outriggers, one touch auto deploy, stow and level
Steering: 3 modes with auto 4 wheel alignment
Hydraulics: Variflow piston pump, 160 ltr/minute, two proportional servo joysticks with operator presence detection
Lights: Full road lights, two front facing halogen work lights & mirrors.
Man platform: Comes with platform disposition, emergency pump, electrical hardware. Option codes for Remote control and Platform separate.

Tyres (A Code)

555A001: MITAS AC70+
Size: 445/65 R22.5
Load Index: 160G

A tyre with deep lugs giving great performance in soft ground conditions with a self- clearing tread pattern design for maximum traction.

555A002: MITAS AR01
Size: 445/65 R22.5
Load Index: 169F

The Mitas AR01 are a smooth surface industrial tyre with a high load capacity for working on firm ground and a tread pattern suited to highway use.

555A003: MICHELIN XYL
Size: 445/65 R22.5
Load Index: 168G

The Michelin XYL is a multi purpose tyre with firm and durable tread offering a premium quality tyre for a wide range of applications.

Auxiliary Services (B Code)

555B001: SINGLE BOOM END AUXILIARY WITH DRAIN LINE

- Male and female SAE ½" quick release couplings
- Case drain line
- Standard flow – 90 L/min
- Auto Auxiliary Venting

Cab (C Code)

555C001: RTH CAB

- LMS: 7" Load Management Screen with RFID attachment recognition, service speed, and envelope control.
- HVAC: Heater System as standard for maximised operator comfort.
- Steering: Tilt and Extend Steering Column to adapt the RTH environment to individual needs.
- Sunblind: Screen and roof sun blinds as standard.
- Radio ready
- Safety: ROPS and FOPS certification, ensuring complete safety within the cab.
- Access: Two part door with top door latch back allowing for ease of access, and egress.
- Storage: Multiple storage locations
- Wipers: Two-speed front wiper with intermittent speed setting
- Roof: Black roof moulding

Seat (D Code)

555D001: HEATED AIR SUSPENSION SEAT

- KAB Seat
- Seat mounted servo joysticks

Carriage (E Code)

555E001: CLEARVISION Q-FIT CARRIAGE WITH MANUAL
- Pin Locking
- Manual lever locking with lock pins
- Automatic auxiliary venting
- RFID tag reader

The operator has to exit the machine to manually lock the pin in place- this mechanism ensures minimal maintenance.

Hydraulic locking will follow date TBC

Language Packs (F Code)

555F001:LANGUAGE PACK: ENGLISH RTH
- Includes LiveLink and CESAR tags

555F002:LANGUAGE PACK: GERMAN RTH
- Includes LiveLink
- TUV Equipment: Sunblind, Wheel Chocks, Q-fit safety guard

555F003:LANGUAGE PACK: SWEDISH RTH
- Includes live link
- Artic diesel
- Cold start
- Screen wash – cold climate
- Grid heater

Lighting Options (G Code)

555G020: GREEN AND AMBER FILAMENT BEACONS

- Green flashing beacon signalling that the operator is wearing their seatbelt.
- Amber beacon for machine visibility
- Does not inhibit start of machine
- Includes orange seat belt

555G021: HINGED AMBER BEACON FILAMENT

- Hinged to allow for protection when travelling

555G024: GREEN AND AMBER BEACON LED

- Green flashing beacon signalling that the operator is wearing their seatbelt.
- Includes an orange seat belt
- Amber beacon for machine visibility
- Does not inhibit start of machine
- LED Bulb for longevity

555G025: LED AMBER BEACON

- Amber flashing beacon to increase visibility of machine on a site

Lighting Options (G Code)

555G029: WHITE NOISE ALARM

- To replace standard reverse alarm

'White Noise' reversing alarm is the safest and yet quietest on the market. The distinct "ssh ssh" sound is less irritating than tonal beeping alarms, preventing workers from becoming de-sensitised to the warning.

LED WORK LIGHT PACKAGES

555G041: FULL LED WORK LIGHT PACKAGE, NOT FOR AIRCON

- Front road lights
- Rear road lights
- Front and rear cab worklights
- Front lh lower chassis light
- Side worklights (1 each side)
- Boom worklights (two under boom)
- Not to be selected with air conditioning

555G042: FULL LED WORK LIGHT PACKAGE, FOR AIRCON

- Front road lights
- Rear road lights
- Front and rear cab worklights
- Front LH lower chassis light
- Side worklights (1 each side)
- Boom worklights (two under boom)
- Only to be selected with air conditioning

Drive Train Options (H Code)

555H010: REMOTE HYDRAULIC DRAIN KIT

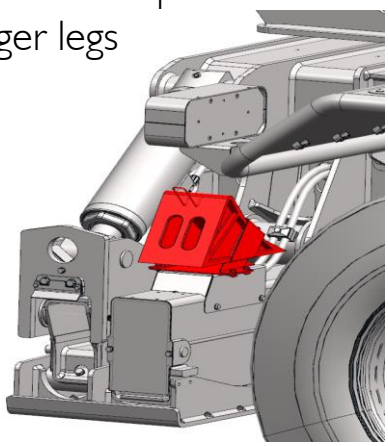
- Option drain kit for easily draining hydraulic tank

555H011: 20KPH SPEED LIMIT

- 20kph speed limit for site / regional restrictions

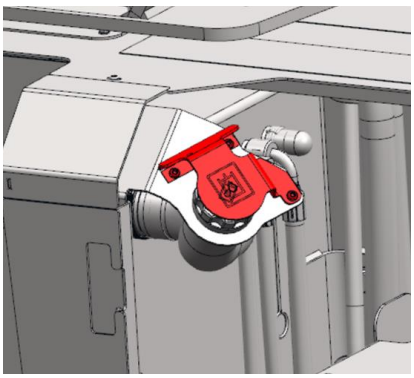
555H012: WHEEL CHOCKS

- Optional wheel chocks to prevent machine rolling on a slope
- Stored on outrigger legs



555H013: HYDRAULIC CAP LOCK

- Optional locking cover for hydraulic tank fill point to prevent inadvertent use of the wrong fluid



Drive Train Options (H Code)

A block heater is used in cold climates to warm an engine prior to starting

555H020: ENGINE BLOCK HEATER 110V

555H021: ENGINE BLOCK HEATER 240V

555H022: ENGINE BLOCK HEATER 5K

555H025: EMERGENCY STOP KIT

- 4 Ground level E-Stops
- Mounted on the road light housing
- Stops engine and hydraulic function

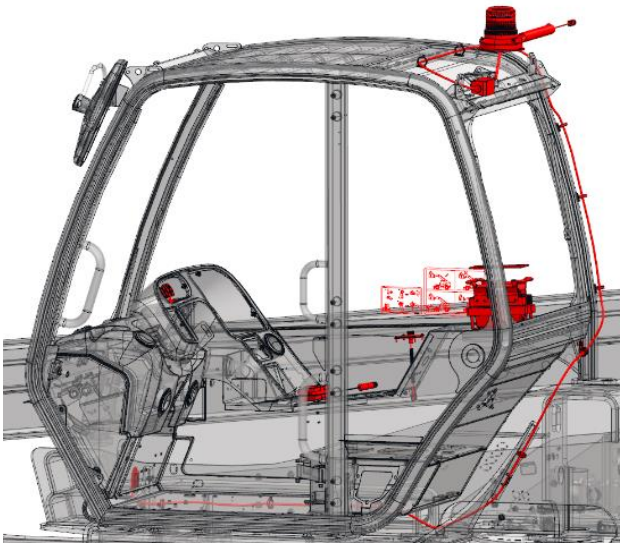
Lift End Options (J Code)

555J020: HIGH FLOW AUX FRONT CONNECTORS

- Extra set of SAE auxiliary connectors mounted underneath the outer boom for running high flow attachments / tools with the boom retracted
- Flow rate: 100 L / min

555J040: REMOTE CONTROL, MANPLATFORM EQUIPMENT

- HBC Remote control with full hydraulic control
- Storage bracket in cab
- Charger and spare battery



Cab (K Code)

The air con ensures good air circulation for the entire cab. Windows can be kept shut in dusty environments to keep the operator safe, but continue to keep them feeling refreshed.

Heater build provides heat within the cab providing the operator with a comfortable working environment and all windows can be heated quickly.

555K010: OPTIONAL: AIR CONDITIONING FOR HALOGEN LIGHTS ONLY

- Roof mounted AC

555K011: OPTIONAL: AIR CONDITIONING FOR LED LIGHTS ONLY

- Roof mounted AC

555K032: OPTIONAL: EBERSPACHER HEATER

Eberspacher air heaters are independent both of the engine and of the vehicle's own heat balance. They draw in cool room or outside air, heat this up and then deliver it to the interior of the cab. Production fitted system ideal for cold climates.

Cab (K Code)

555K033: OPTIONAL: CAMERA KIT, REAR MOUNTED

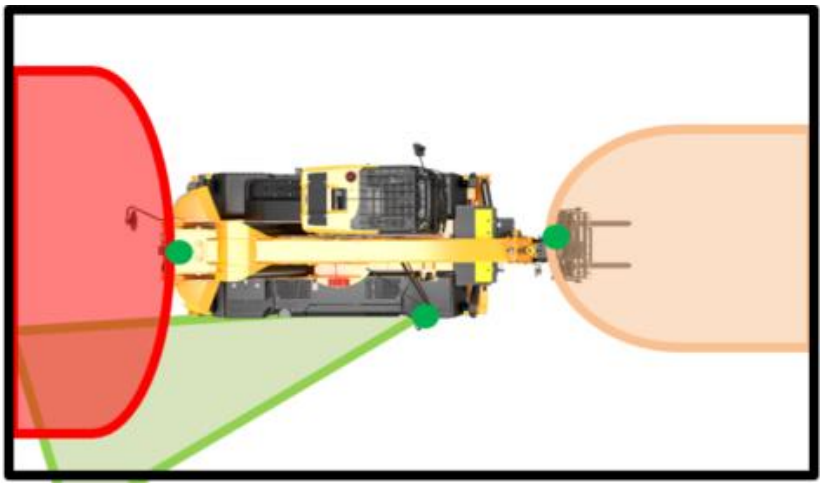
- MOUNTED ON LOWER CHASSIS REAR?

555K034: OPTIONAL: CAMERA KIT, REAR AND SIDE MOUNTED

- MOUNTED ON LOWER CHASSIS REAR AND XXX

555K035: OPTIONAL: CAMERA KIT, REAR, SIDE & BOOM NOSE MOUNTED

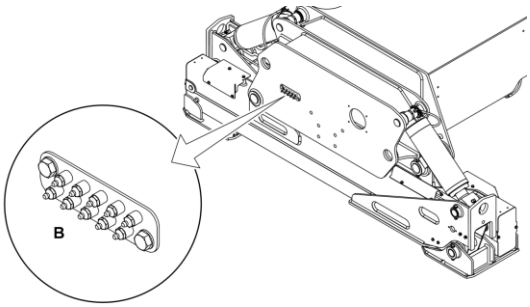
- Nose end magnetically mounted so can position exactly where the operator needs it, on the boom / carriage / attachments.



Cab (K Code)

555K018: OPTIONAL: MACHINE GREASING KIT CHASSIS FRONT/REAR & BOOM

- Three ground level grease packs
- Lower chassis front
- Lower chassis rear
- Upper structure off side
- Axles still need greasing separately



555K019: OPTIONAL: CHAIN BOX

- Secure metal box bolted to front lower chassis
- Lockable storage for chains and accessories

555K020: OPTIONAL: TOOL KIT

- Secure metal box bolted to side upper chassis
- Lockable storage for tools
- Includes grease gun, cartridge and wheel brace

555K023: OPTIONAL: ROOF AND SCREEN GUARD

- Metal roof and screen guard to protect from falling debris

555K029: OPTIONAL: FIRE EXTINGUISHER

- Stowage behind seat

555K031: OPTIONAL: BOOM MIRROR KIT

Cab (K Code)

555K036: OUTRIGGER MATS AND STOWAGE

- 4 x 600mm x 600mm outrigger mats for decreasing ground bearing pressure
- 2 stored at front of machine and 2 at rear to reduce manual handling
- Stowage includes anti slip material and increases the area of the upper structure that is safe to stand on

555K037: MACHINE IMMOBILSER

- Optional key pad immobiliser for security
- Code can be changed remotely over Live Link to lock out an operator if needed.

Attachments (L and M Code)

The range of all attachments are available:

555L010: FORK FRAME AND FORKS CLEARVIEW TUV
Q-fit fork frame
Individually floating 1200mm forks
Integrated fork stowage
Integrated load guard
Racking to keep forks correctly placed
Rfid tag for recognition

NEW
555L020 / 555L021: (555-210R / 555-260R) 360 ROTATING FORKS 1700kg
1700kg Maximum Load Capacity*
Manual Attachment Selection
745kg Attachment Weight
JCB Q-FIT mount, single auxiliary
Continuous 360°, Red Locking Bar Limits to 180°
*Varies with load position and machine configuration

555M014: OPTIONAL: TRASH BUCKET1850MM WIDE

555M021: OPTIONAL: Q-FIT SAFETY GUARD
- Flat plate cover to protect carriage during transport

555M022: OPTIONAL: TOE PLATE GUARD FOR M014

Attachments (L and M Code)

The range of all attachments are available:

555M023: OPTIONAL: REDUCED HEIGHT 2M JIB
- Additional lifting points of 3.5T at 1m and 5.5T at 0.5m
- Lifting point on top for ease of transport

555M024: OPTIONAL: 680MM JIB - 5.5T
- Includes hook

555M025: OPTIONAL: WINCH JIB 2T AT 2M
- Integrated stand
- Single fall for increased cycle times
- Winch speed: 21.5m/min
- RFID tag for recognition

555M026: OPTIONAL: JCB 5.5T CARRIAGE WINCH
- Carriage winch capable of lifting

5.5tonnes Common applications
- Width 1100mm x Breadth 820 X Height 1260mm (without stand operational).
- Width 1100mm x Breadth 1200mmX Height 1950mm (with stand operational)
- Mass 452 KG (with out stand)
- Mass 557 KG (with stand)
- Flow rate of 90lpm
- Winch speed of 21.5m/min

NEW

ROTATING TELEHANDLER YELLOW SERIES KITS

555K038: CAB KIT
- Roof and screen guard (555K023)
- Fire extinguisher (555K029)

555J025: REMOTE KIT
- Emergency stop kit (555H025)
- Machine radio remote control (555J040)

555K038: LIGHT KIT
- Green ans amber LED beacons (555G024)
- Full LED work lights (555G042)
- Air conditioning (555K011/13)

555K039: LIFT PRO
- Grouped greasing kit (555K018)
- Tool box and kit (555K020)
- Wheel chocks (555-H012)
- Outrigger mats and stowage (555K036)
- Front chassis lockable chain (555K019)

555L015: ATTACHMENT KIT
- Fork frame and forks clearview (555L010)
- JCB carriage winch 5.5T (555M026)
- Man basket: 1000kg capacity (555M041)
- Carriage level (555M030)

Product Selling Guide

Sales / Marketing material:

Please visit the JCB HUB App, JCB.com or Media Manager for more information; here you will find:
Videos, Brochures, Spec Sheets, Sales Flashes and Images.

For further information download the quick start guide

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