

## SPECIFICATION

STAGE V



### LOADALL | COMPACT CONSTRUCTION RANGE

Gross power: 19kW - 55kW   Lift capacity: 1400kg - 2500kg   Lift height: 4m - 6m



# ULTIMATE PERFORMANCE IN A COMPACT PACKAGE

Every JCB telehandler is designed to offer superb productivity and our Compact Loadall range is no different. Excellent visibility and manoeuvrability, versatile performance, potent power and innovation-driven efficiency are all part of the package.

## ULTIMATE PRODUCTIVITY

Our Compact Loadall range provides powerful performance and versatility with excellent manoeuvrability, whilst making the most of every drop of fuel.



## ULTIMATE STRENGTH

We've used innovative, state-of-the-art design and manufacturing processes to ensure that strength, durability and reliability are built in.

## ULTIMATE COMFORT

Our Compact Loadall cabs are great places to work, with high levels of comfort, easy-to-use controls and good visibility, keeping operators productive.



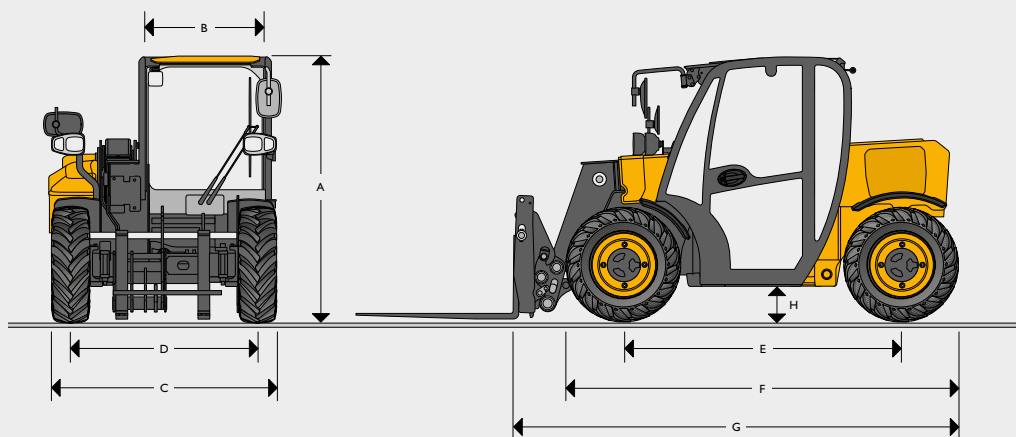
## ULTIMATE EFFICIENCY

Our Compact Loadall range offers extremely low operational costs in the short term, whilst holding their value in the long term.

## ULTIMATE SAFETY

Safety is paramount on any site. That's why we've designed our new JCB Compact Loadall range to protect machine, operator and bystanders alike.

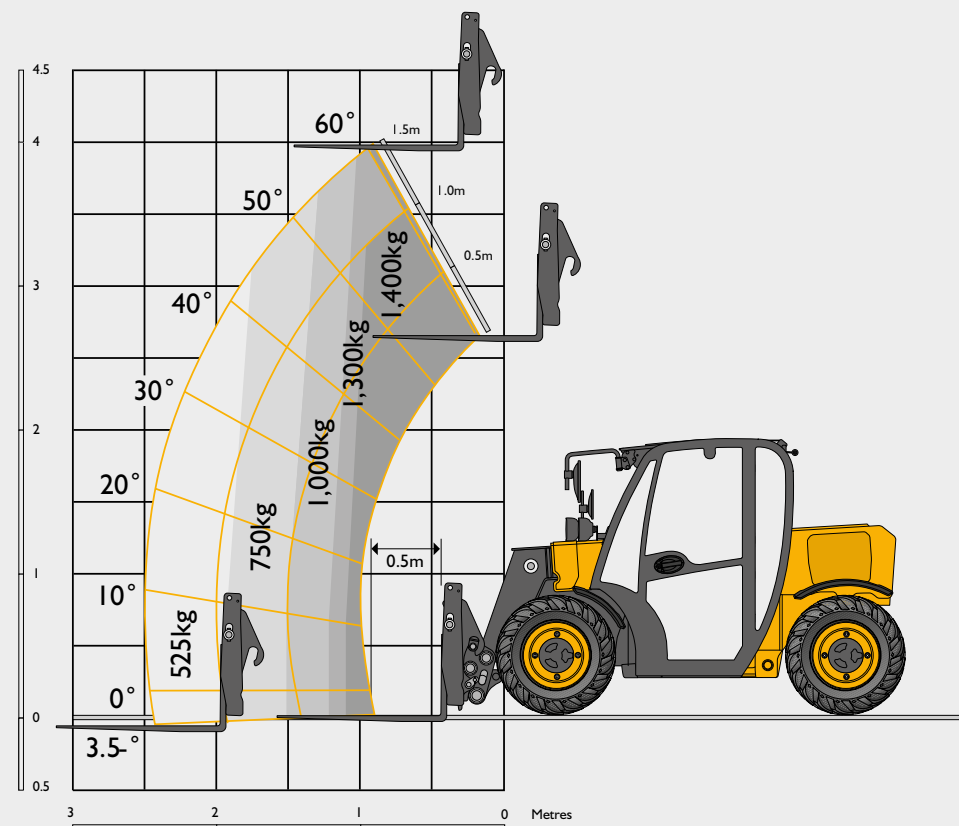
## STATIC DIMENSIONS



| Machine model |                                     | 514-40             |
|---------------|-------------------------------------|--------------------|
| A             | Overall height                      | m 1.80             |
| B             | Inside width of cab                 | m 0.87             |
| C             | Width over tyres                    | m 1.56             |
| D             | Front track                         | m 1.29             |
| E             | Wheelbase                           | m 1.88             |
| F             | Overall Length to front tyres       | m 2.61             |
| G             | Overall length to front carriage    | m 2.99             |
| H             | Ground clearance                    | m 0.19             |
|               | Outer turn radius over tyres        | m 2.81             |
|               | Carriage roll back angle at ground  | degrees 12/30*     |
|               | Carriage dump angle at max height   | degrees 35         |
|               | Weight (operating weight)           | kg 2915            |
|               | Weight (unladen with forks & frame) | kg 2840            |
|               | Weight (unladen, no attachment)     | kg 2700            |
|               | Tyres                               | turf 10x16.5       |
|               |                                     | industrial 12x16.5 |

\*Bucket.

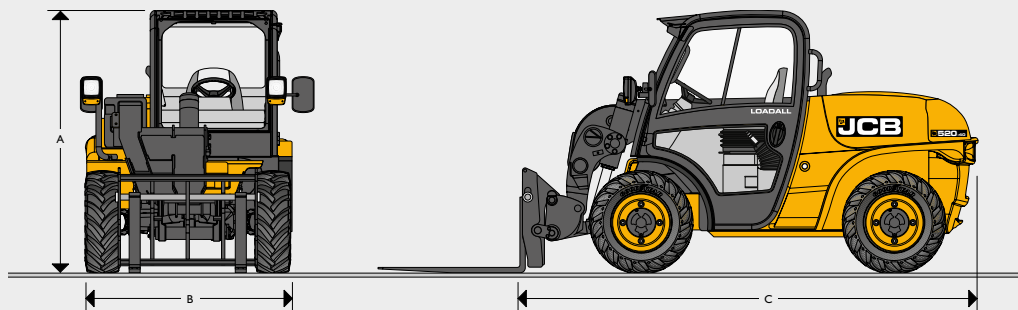
## LIFT PERFORMANCE



| Machine model                |    | 514-40 |
|------------------------------|----|--------|
| Maximum lift capacity        | kg | 1400   |
| Lift capacity to full height | kg | 1300   |
| Lift capacity at full reach  | kg | 525    |
| Maximum lift height          | mm | 4035   |
| Reach at max. lift height    | mm | 890    |
| Maximum forward reach        | mm | 2510   |
| Reach with 1 tonne payload   | mm | 1510   |

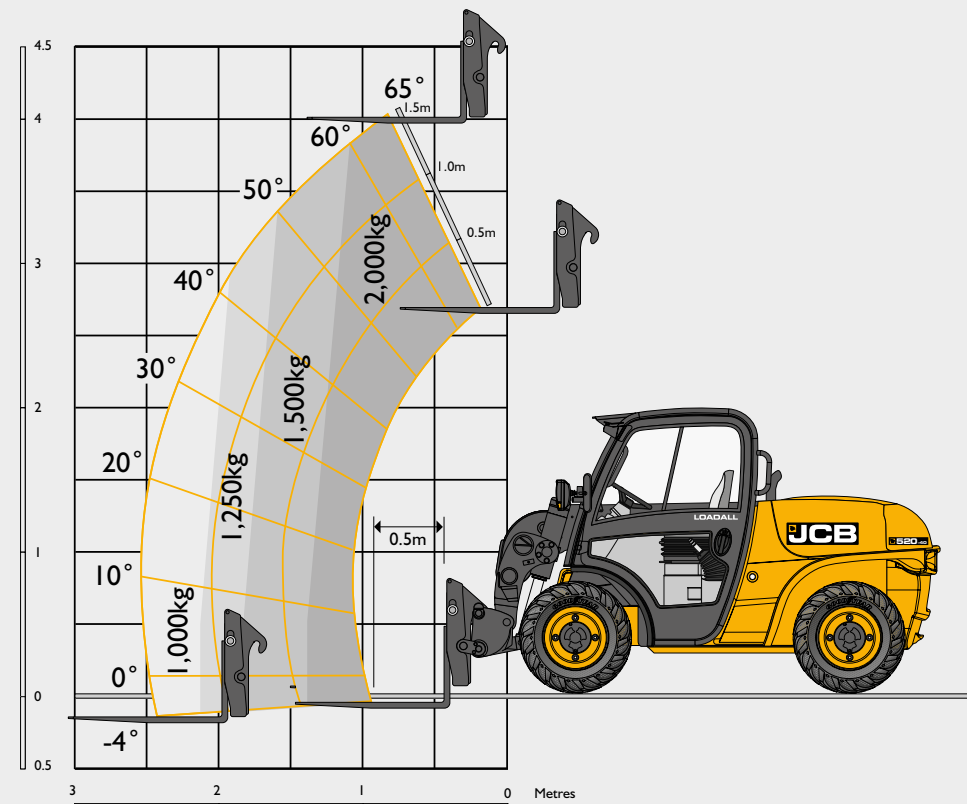
Complies with stability test EN 1459 Annex B.

## STATIC DIMENSIONS



| Machine model |                                    | 520-40     |
|---------------|------------------------------------|------------|
| A             | Overall height                     | m 1.97     |
| B             | Inside width of cab                | m 0.92     |
| C             | Width over tyres                   | m 1.56     |
| D             | Front track                        | m 1.29     |
| E             | Wheelbase                          | m 1.90     |
| F             | Overall Length to front tyres      | m 2.92     |
| G             | Overall length to front carriage   | m 3.38     |
| H             | Ground clearance                   | m 0.27     |
|               | Outer turn radius over tyres       | m 3.05     |
|               | Carriage roll back angle at ground | degrees 48 |
|               | Carriage dump angle at max height  | degrees 33 |
|               | Weight                             | kg 4400    |
|               | Tyres                              | 10x16.5    |

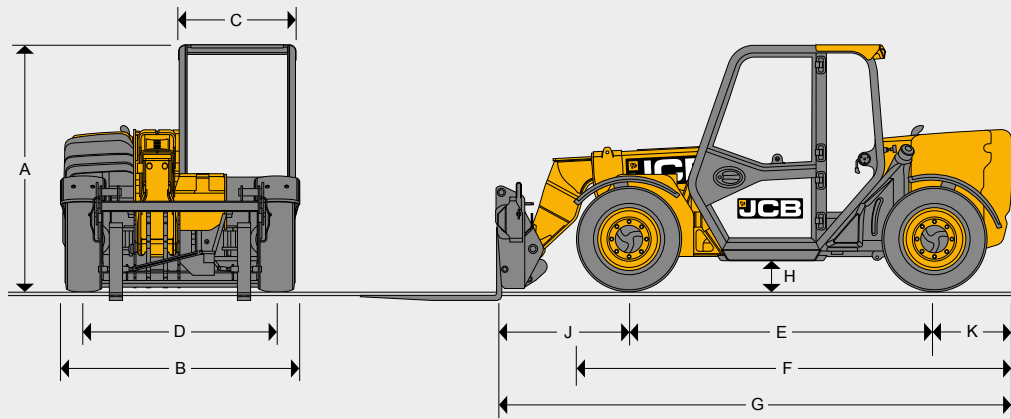
## LIFT PERFORMANCE



| Machine model                |    | 520-40 |
|------------------------------|----|--------|
| Maximum lift capacity        | kg | 2000   |
| Lift capacity to full height | kg | 2000   |
| Lift capacity at full reach  | kg | 1000   |
| Maximum lift height          | mm | 4035   |
| Reach at max. lift height    | mm | 890    |
| Maximum forward reach        | mm | 2590   |
| Reach with 1 tonne payload   | mm | 2100   |

Complies with stability test EN 1459 Annex B.

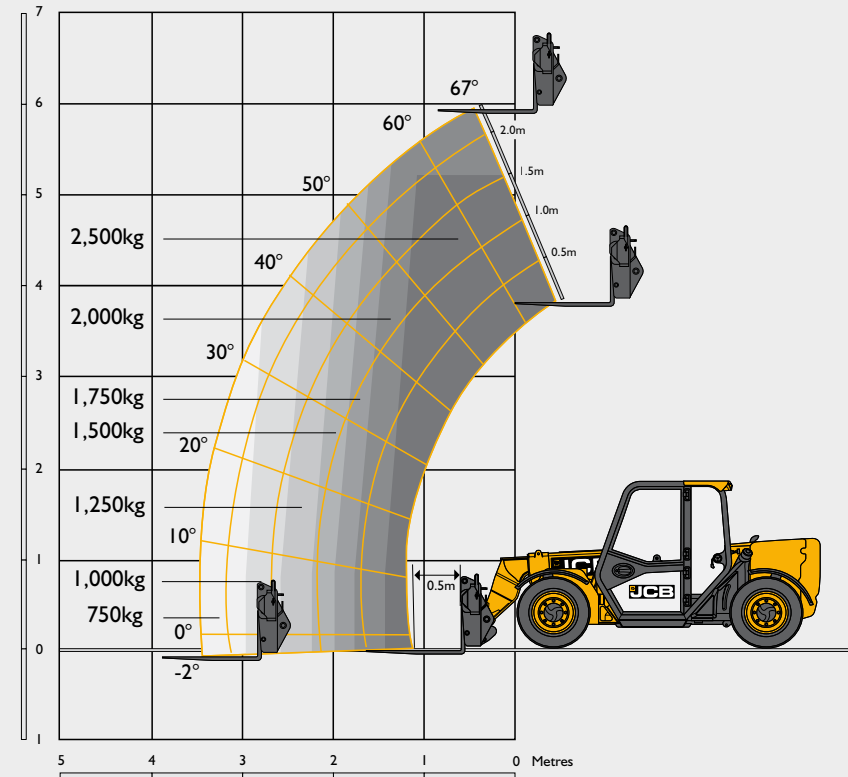
## STATIC DIMENSIONS



| Machine model |                                    | 525-60 Hi-Viz      |
|---------------|------------------------------------|--------------------|
| A             | Overall height*                    | m 1.89             |
| B             | Overall width (over tyres)*        | m 1.84             |
| C             | Inside width of cab                | m 0.88             |
| D             | Front track                        | m 1.53             |
| E             | Wheelbase                          | m 2.39             |
| F             | Overall Length to front tyres      | m 3.38             |
| G             | Overall length to front carriage   | m 4                |
| H             | Ground clearance                   | m 0.23             |
| J             | Front wheel centre to carriage     | m 1.02             |
| K             | Rear wheel centre to rear face     | m 0.6              |
|               | Carriage roll back angle at ground | degrees 11         |
|               | Carriage dump angle at max height  | degrees 114        |
|               | Weight                             | kg 5490            |
|               | Tyres                              | industrial 12x16.5 |

\* Dependant upon tyre specified.

## LIFT PERFORMANCE



| Machine model                |    | 525-60 Hi-Viz |
|------------------------------|----|---------------|
| Maximum lift capacity        | kg | 2500          |
| Lift capacity to full height | kg | 2000          |
| Lift capacity at full reach  | kg | 800           |
| Maximum lift height          | mm | 6000          |
| Reach at max. lift height    | mm | -150          |
| Maximum forward reach        | mm | 3060          |
| Reach with 1 tonne payload   | mm | 3000          |

Complies with stability test EN 1459 Annex B.

| ENGINE              |        |                  |                 |                      |
|---------------------|--------|------------------|-----------------|----------------------|
|                     |        | 514-40           | 520-40          | 525-60 Hi-Viz        |
| Engine model        |        | Perkins 403J-I I | Perkins 403J-I7 | JCB Diesel by Kohler |
| Power               | kW     | 18.4             | 18.4            | 55                   |
| Torque              | Nm     | 66.9Nm @ 1400rpm | 98Nm @ 1400rpm  | 300Nm @ 1500rpm      |
| Displacement        | litres | 1.1              | 1.7             | 2.5                  |
| Number of cylinders |        | 3                | 3               | 4                    |

| TRANSMISSION  |     |                         |        |               |
|---------------|-----|-------------------------|--------|---------------|
|               |     | 514-40                  | 520-40 | 525-60 Hi-Viz |
| Type          |     | Hydrostatic             |        |               |
| Modes         |     | 2 Speed                 |        |               |
| Drive         |     | Permanent 4 Wheel Drive |        |               |
| Maximum speed | kph | 15                      | 15     | 25            |

| ELECTRICAL SYSTEM |          |        |        |               |
|-------------------|----------|--------|--------|---------------|
|                   |          | 514-40 | 520-40 | 525-60 Hi-Viz |
| System voltage    | Volt     | 12     | 12     | 12            |
| Alternator output | Amp hour | 62     | 85     | 100           |
| Battery capacity  | Amp hour | 65     | 80     | 120           |

| HYDRAULICS              |         |                         |            |                    |
|-------------------------|---------|-------------------------|------------|--------------------|
|                         |         | 514-40                  | 520-40     | 525-60 Hi-Viz      |
| Maximum system pressure | bar     | 230                     | 230        | 260                |
| Flow rate               | ltr/min | 23                      | 40         | 80                 |
| Joystick control        |         | Twin lever              | Twin lever | Single lever Servo |
| Steer modes             |         | Permanent 4 Wheel Steer |            | 3 modes            |
| Cycle times             |         |                         |            |                    |
| Boom Raise              | seconds | 7                       | 8.9        | 7.6                |
| Boom Lower              | seconds | 5                       | 5.9        | 5.3                |
| Extend                  | seconds | 8.6                     | 4.7        | 7.5                |
| Retract                 | seconds | 4.3                     | 4.7        | 3.7                |
| Bucket Dump             | seconds | 2.7                     | 4.8        | 1.9                |
| Bucket Crowd            | seconds | 3.7                     | 4          | 2.9                |

| SERVICE CAPACITIES |        |        |        |               |
|--------------------|--------|--------|--------|---------------|
|                    |        | 514-40 | 520-40 | 525-60 Hi-Viz |
| Fuel tank          | litres | 27     | 61     | 65            |
| Hydraulic tank     | litres | 25     | 33     | 75            |

| BRAKES         |                                       |        |                               |
|----------------|---------------------------------------|--------|-------------------------------|
|                | 514-40                                | 520-40 | 525-60 Hi-Viz                 |
| Service brakes | Hydraulically operated self-adjusting |        |                               |
| Parking brake  | Cable manually operated drum brake    |        | SAHR Handbrake self adjusting |

| OPTIONS                   |        |        |               |
|---------------------------|--------|--------|---------------|
|                           | 514-40 | 520-40 | 525-60 Hi-Viz |
| CAB                       |        |        |               |
| ROPS ISO3471              | •      | •      | •             |
| FOPS ISO 3449             | •      | •      | •             |
| Hourmeter                 | •      | •      | •             |
| Adjustable fabric seat    | •      | •      | •             |
| Digital dash display      | •      | •      | •             |
| LiveLink telematics       | •      | •      | •             |
| Load control system (LMI) | •      | •      | •             |

| ACCESSORIES                                   |   |   |   |
|-----------------------------------------------|---|---|---|
| Reversing alarm                               | • | • | • |
| 50mm towing ball with 7 pin trailer electrics | • | - | - |
| Halogen work lights                           | - | + | + |
| LED work lights                               | + | - | + |
| Amber beacon                                  | + | + | + |
| Green beacon with orange seat belt            | + | + | + |
| Competitor carriages                          | + | + | + |
| Window guards                                 | - | + | + |
| Sun blind                                     | + | + | + |
| Immobiliser                                   | + | + | + |
| Air conditioning                              | - | - | + |
| FM radio kit                                  | + | + | + |

STANDARD •

OPTIONAL +

NOT APPLICABLE -





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### **Loadall Compact Construction Range**

Gross power: 19kW - 55kW    Lift capacity: 1400kg - 2500kg    Lift height: 4m - 6m

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