

# BOMAC

エクストラ ワークス エクストラ ストロング

# WHEEL EXCAVATOR



**STRONG POWER &  
HIGH DURABILITY**



**FUEL SAVING &  
EFFICIENCY**



**SAFE FOR THE  
ENVIRONMENT**

**BOMAC** Wheel Excavator are highly flexible, working either on-road or off-road. The machine provides versatility, allowing you to working with higher efficiency and travel at high speeds in the comfort of your cab. Our fuel-efficient engines and well-matched components deliver top power and low-emissions for environmental care.

[www.indotara.co.id](http://www.indotara.co.id)

# DAFTAR ISI

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# BE69W-B

# WHEEL EXCAVATOR

| Specification                 |                         |                                |
|-------------------------------|-------------------------|--------------------------------|
| Operation weight              | 6900 Kg                 |                                |
| Bucket capacity               | 0.3 M³                  |                                |
| Engine                        | Model                   | Yanmar 4TNV94L-BVTY2C          |
|                               | Displacement            | 3.054L                         |
|                               | Rated power/speed       | 36.2 kW / 2100 rpm             |
|                               | Maximum torque          | 193.2~210.6N. m/1260 ± 100 rpm |
| Optional engine               | Model                   | Yanmar 4TNV98-ZCSLKC           |
|                               | Displacement            | 3.319L                         |
|                               | Rated power/speed       | 46.3 kW / 2200 rpm             |
|                               | Maximum torque          | 223.3~243.5N.m/1600±100 rpm    |
| Speed                         | Max. travel speed       | 30 km/h                        |
|                               | Swing speed             | 11 rpm                         |
|                               | Max. grade ability      | 30°                            |
| Hydraulic and liquid capacity | Pump type               | VariableX2 + GearX2            |
|                               | P1 , P2 pressure        | 24 MPa                         |
|                               | Flow rate P1, P2        | 60.5 x 2 L/min                 |
|                               | P3 Pressure             | 20.6 MPa                       |
|                               | Flow rate P3            | 40.3 L/min                     |
|                               | Hydraulic tank capacity | 150 L                          |
|                               | Fuel tank capacity      | 150 L                          |
| Engine fuel tank capacity     | 12 L                    |                                |

 **6900 KG Operation Weight**

 **YANMAR Engine**

 **Fuel Saving**



**YANMAR**  
ENGINE

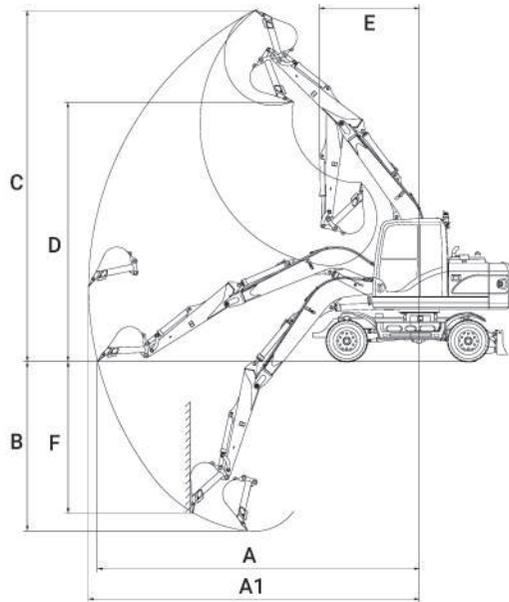


**Japanese YANMAR engine, stronger power, lower fuel consumption, 30% fuel saving.**

- ◆ Rexroth three pump combined flow hydraulic system can maximize the power output by the engine. It can play an excellent role in both high load operation and fine operation. It can provide strong power, reduce fuel consumption to the maximum extent, and greatly improve operation efficiency.
- ◆ Strong working force, fast action, coordinated compound action, high reliability and long practical life.

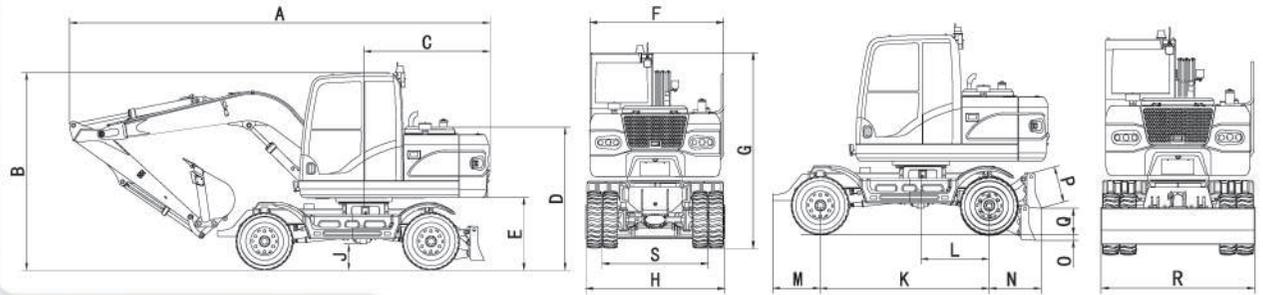


## OPERATING RANGE



|    |                               |         |
|----|-------------------------------|---------|
| A1 | Max. digging radius           | 6538 mm |
| A  | Max. digging radius on ground | 6361 mm |
| B  | Max. digging depth            | 3320 mm |
| C  | Max. digging height           | 6888 mm |
| D  | Max. dumping height           | 5093 mm |
| E  | Minimum turning radius        | 1974 mm |
| F  | Max. vertical digging depth   | 2975 mm |
|    | Bucket digging force          | 56 KN   |
|    | Bucket arm digging force      | 38 KN   |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 6066 mm | K | Wheel Tread                            | 2400 mm |
| B | Total height                    | 2880 mm | L | Distance of swing center to rear wheel | 966 mm  |
| C | Counter weight turning radius   | 1820 mm | M | Front extension                        | 668 mm  |
| D | Hood height                     | 2052 mm | N | Back extension                         | 740 mm  |
| E | Counter weight ground clearance | 1040 mm | O | Maximum reduction of the dozer blade   | 70 mm   |
| F | Upper structure width           | 1944 mm | P | Height of dozer blade                  | 510 mm  |
| G | Cab height                      | 2880 mm | Q | Maximum lift of dozer blade            | 377 mm  |
| H | Total Tire width                | 1990 mm | R | Overall width of dozer blade           | 2026 mm |
| J | Minimum ground clearance        | 380 mm  | S | Wheel / Base                           | 1540 mm |

DETAIL



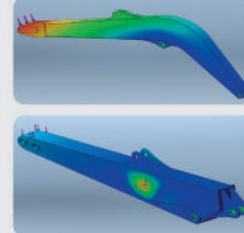
### LUXURIOUS, COMFORTABLE, AND ERGONOMIC OPERATION SPACE

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The gearbox lubrication monitoring system is added to automatically alarm when the pressure is low.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.
- ◆ Add the foot break switch, customers can manually break or foot break.



### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at any time. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.



### REASONABLE & RELIABLE STRUCTURE

After the optimization of simulation finite element analysis, the structure of boom and stick is more reasonable and reliable, and service life is longer.



### EQUIPPED WITH WHEEL REDUCTION AXLE, OPTIMIZED AND UPGRADED 280 GEARBOX AND SPLIT TYPE POWER TAKE-OFF BOX

- ◆ Equipped with wheel side reduction bridge, it has stronger driving force and better trafficability.
- ◆ After optimization and upgrading of 280 gearbox, the internal gear module is increased, the first shaft is thickened, and the diameter of clutch plate is increased, which greatly improves the transmission torque.
- ◆ The separated power take-off separates the operation from the traveling transmission, greatly improving the service life of the transmission system.



### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.



### POINT INSPECTION AND MAINTENANCE OBJECTS ARE WITHIN REACH

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.
- ◆ Electrical parts and fuses are all under the seat, which can be maintained after being pulled out.

# BE69W-9Y

# WHEEL EXCAVATOR

| Specification                 |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Machine weight                | 6900 Kg                 |                          |
| Bucket capacity               | 0.3 M <sup>3</sup>      |                          |
| Engine                        | Model                   | YC4DK70-T305             |
|                               | Displacement            | 3.621L                   |
|                               | Rated power/speed       | 50 kW / 2200 rpm         |
|                               | Maximum torque          | 270N.m/(1400-1700) r/min |
| Speed                         | Max. travel speed       | 28 km/h                  |
|                               | Swing speed             | 11 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Pump type               | Load Sensitive System    |
|                               | Pressure                | 24 MPa                   |
|                               | Flow rate               | 158 L/min                |
|                               | Hydraulic tank capacity | 150 L                    |
|                               | Fuel tank capacity      | 150 L                    |
| Engine fuel tank capacity     | 12 L                    |                          |

 **6900 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**

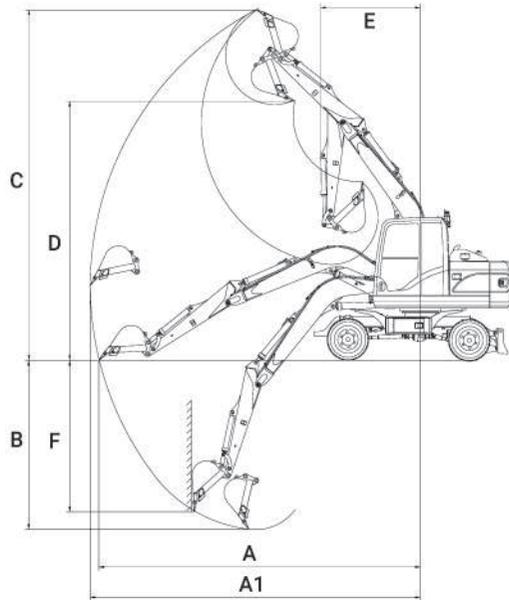


**POWERFULL ENGINE**

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

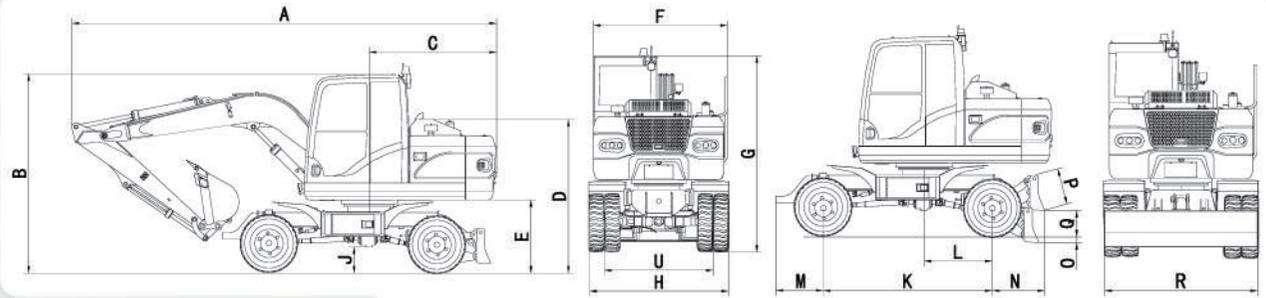
- ◆ The engine is equipped with the BOSCH common rail system, which is economical and fuel-efficient, with high matching with the whole vehicle, stable and reliable.
- ◆ Lower vibration, lower noise, and more comfortable driving experience.
- ◆ The maintenance period is increased to 500 hours, and the service life is more than 20000 hours.
- ◆ Remote monitoring and control can be achieve by using the technology of Artificial Intelligence of Things (AIoT).

## OPERATING RANGE



|    |                               |         |
|----|-------------------------------|---------|
| A1 | Max. digging radius           | 6538 mm |
| A  | Max. digging radius on ground | 6361 mm |
| B  | Max. digging depth            | 3320 mm |
| C  | Max. digging height           | 6888 mm |
| D  | Max. dumping height           | 5093 mm |
| E  | Minimum turning radius        | 1974 mm |
| F  | Max. vertical digging depth   | 2975 mm |
|    | Bucket digging force          | 56 KN   |
|    | Bucket arm digging force      | 38 KN   |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 6066 mm | K | Wheel Tread                                | 2400 mm |
| B | Total height                    | 2880 mm | L | Distance between swing center to rear axle | 966 mm  |
| C | Counter weight turning radius   | 1820 mm | M | Front extension                            | 668 mm  |
| D | Hood height                     | 2167 mm | N | Back extension                             | 740 mm  |
| E | Counter weight ground clearance | 1040 mm | O | Maximum reduction of the dozer blade       | 70 mm   |
| F | Upper structure width           | 1944 mm | P | Height of dozer blade                      | 510 mm  |
| G | Cab height                      | 2880 mm | Q | Maximum lift of dozer blade                | 377 mm  |
| H | Total Tire width                | 1990 mm | R | Overall width of dozer blade               | 2026 mm |
| J | Minimum ground clearance        | 380 mm  | U | Wheel / Base                               | 1540 mm |

DETAIL



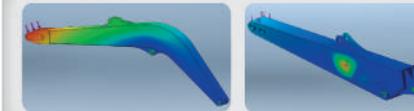
### LUXURIOUS AND COMFORTABLE OPERATION SPACE, DESIGNED WITH ERGONOMIC CONCEPT

The design concept of "driver centered" minimizes the noise and vibration inside the cab. At the same time, it has an air conditioning system to meet the needs of four seasons, adjustable steering gear, ergonomically designed operating handle and switch buttons, and multifunctional instrument panel to improve the comfort and convenience of operation.



### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at anytime. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.
- ◆ Parallel radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights inside the counterweight completely, avoid the collision at the complex conditions working.



### REASONABLE & RELIABLE STRUCTURE

The use of more advanced computer three-dimensional design, after many reliability tests, extends the service life of the equipment and creates higher added value for customers.



### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.



### ROUTINE INSPECTION AND MAINTENANCE ARE MORE CONVENIENT

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.

# BE82W-L

# WHEEL EXCAVATOR

| Specification                 |                         |                                |
|-------------------------------|-------------------------|--------------------------------|
| Operation weight              | 8200 Kg                 |                                |
| Bucket capacity               | 0.3 M <sup>3</sup>      |                                |
| Engine                        | Model                   | Yanmar 4TNV98-ZCSLK            |
|                               | Displacement            | 3.319 L                        |
|                               | Rated power/speed       | 44 kW / 2200 rpm               |
|                               | Maximum torque          | 223.3~243.5N.m/1600±100) r/min |
| Speed                         | Max. travel speed       | 30 km/h                        |
|                               | Swing speed             | 10.5 rpm                       |
|                               | Max. grade ability      | 30°                            |
| Hydraulic and liquid capacity | Hydraulic system        | Load Sensitive System Rexroth  |
|                               | Pump type               | Variable X1                    |
|                               | Pressure                | 25 MPa                         |
|                               | Flow rate               | 158.4 L/min                    |
|                               | Hydraulic tank capacity | 118 L                          |
| Fuel tank capacity            | 170 L                   |                                |
| Engine fuel tank capacity     | 12 L                    |                                |

 **8200 KG Operation Weight**

 **YANMAR Engine**

 **Fuel Saving**

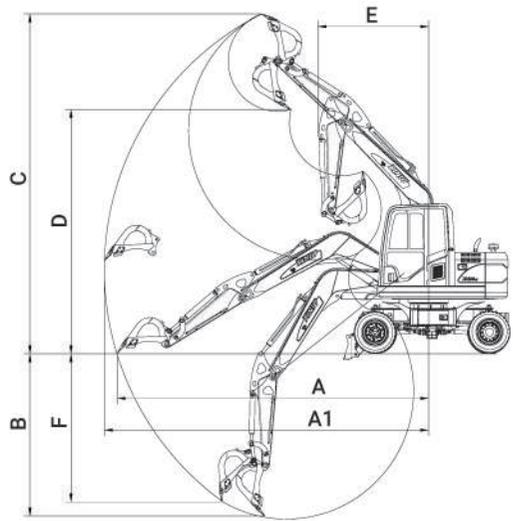


## YANMAR ENGINE

**Japanese YANMAR engine, stronger power, lower fuel consumption, 30% fuel saving.**

- ◆ Rexroth three pump combined flow hydraulic system can maximize the power output by the engine. It can play an excellent role in both high load operation and fine operation. It can provide strong power, reduce fuel consumption to the maximum extent, and greatly improve operation efficiency.
- ◆ Strong working force, fast action, coordinated compound action, high reliability and long practical life.

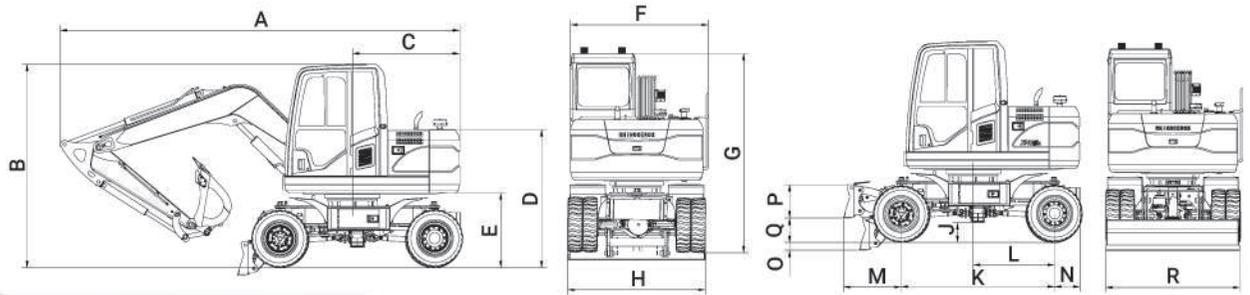
## OPERATING RANGE



Working Device Boom 3.5m + Bucket arm 1.75m

|    |                               |         |
|----|-------------------------------|---------|
| A  | Max. digging radius           | 6345 mm |
| A1 | Max. digging radius on ground | 6610 mm |
| B  | Max. digging depth            | 3330 mm |
| C  | Max. digging height           | 6820 mm |
| D  | Max. dumping height           | 4945 mm |
| E  | Minimum turning radius        | 2330 mm |
| F  | Max. vertical digging depth   | 3055 mm |
|    | Bucket digging force          | 58 KN   |
|    | Bucket arm digging force      | 40 KN   |

## MAIN DIMENSION



|   |   |         |
|---|---|---------|
| A | Total length (Boom 3.5m + Bucket arm 1.75m) | 6030 mm |
| B | Total height (Boom 3.5m + Bucket arm 1.75m) | 3005 mm |
| C | Counter weight turning radius               | 1570 mm |
| D | Hood height                                 | 2010 mm |
| E | Counter weight ground clearance             | 1090 mm |
| F | Upper structure width                       | 2085 mm |
| G | Cab height                                  | 2945 mm |
| H | Total Tire width                            | 2090 mm |
| J | Minimum ground clearance                    | 280 mm  |

|   |  |         |
|---|--|---------|
| K | Wheel Tread                            | 2260 mm |
| L | Distance of swing center to rear wheel | 1200 mm |
| M | Front extension                        | 855 mm  |
| N | Back extension                         | 376 mm  |
| O | Maximum reduction of the dozer blade   | 112 mm  |
| P | Height of dozer blade                  | 486 mm  |
| Q | Maximum lift of dozer blade            | 365 mm  |
| R | Overall width of dozer blade           | 2080 mm |

DETAIL



### FULL HYDRAULIC DRIVE, DOUBLE AXLE STEERING, OBTAINED THE INVENTION AND UTILITY MODEL PATENTS.

- ◆ Full hydraulic drive features: large transmission power, variable speed, low speed and large torque drive, no impact, high stability, with overload protection, effective protection of the bridge box transmission system.
- ◆ Double bridge steering features: reduce turning radius, reduce tire and ground friction. Using large torque to increase the vehicle bridge, improve the vehicle's passing and off-road performance.
- ◆ Chassis with super mining stability, self-balancing system and high and low speed switching system, four-wheel brake system, work more stable, driving more safe.



### WORK SAFER WITH CLEANER DIESEL

Adopt the same rolling plastic diesel box with international first-line brand, make diesel cleaner and work safer. improves the strength and toughness of the turntable and the working device.



### REASONABLE VALVES LAYOUT

Control valves, oilsource valves, solenoid valves and other reasonable layout, more convenient maintenance.



### HEAT DISSIPATION EFFICIENCY

The use of parallel radiator, ventilation increased, greatly improved the heat dissipation efficiency.



### UPGRADED SHOVEL

Four connecting rod pushing shovel, the lifting height is increased, the passing property is good, the flat function is strengthened.



### LUXURIOUS AND COMFORTABLE OPERATION SPACE, ERGONOMIC CONCEPT

New upgrade cabin, beautiful out-looking, cabin ergonomic design, front gear institutions, adjustable suspension seats, air conditioner, large-screen LCD display, open field of vision, Operating more comfortable.



### REASONABLE & RELIABLE STRUCTURE

After the finite element analysis, the structure of the upper turntable and the working device is more reasonable, which greatly improves the strength and toughness of the turntable and the working device.

# WHEEL EXCAVATOR

**BE87W-9X**

**BACK & FRONT  
 DOZER BLADE**

 **8700 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**

## Specification

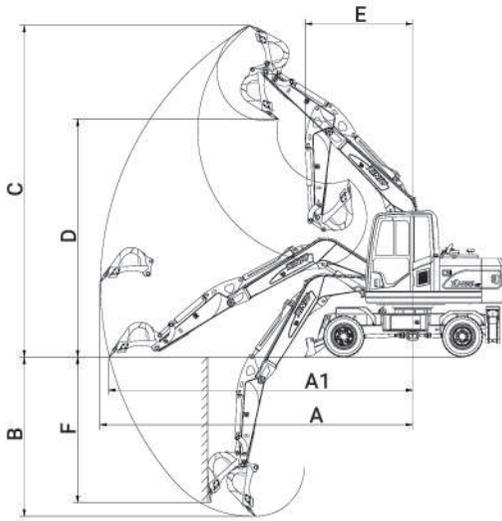
|                               |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 8700 Kg                 |                          |
| Bucket capacity               | 0.3 M <sup>3</sup>      |                          |
| Engine                        | Model                   | BTX4D3                   |
|                               | Displacement            | 3.5 L                    |
|                               | Rated power/speed       | 60 kW / 2200 rpm         |
|                               | Maximum torque          | 300N.m/(1600-1800) r/min |
| Speed                         | Max. travel speed       | 30 km/h                  |
|                               | Swing speed             | 12 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Pump type               | Gear X2 Gear Pump        |
|                               | Pressure                | 20.6 MPa                 |
|                               | Flow rate               | 114 L/min                |
|                               | Hydraulic tank capacity | 175 L                    |
|                               | Fuel tank capacity      | 150 L                    |
| Engine fuel tank capacity     | 12 L                    |                          |



Back Dozer Blade

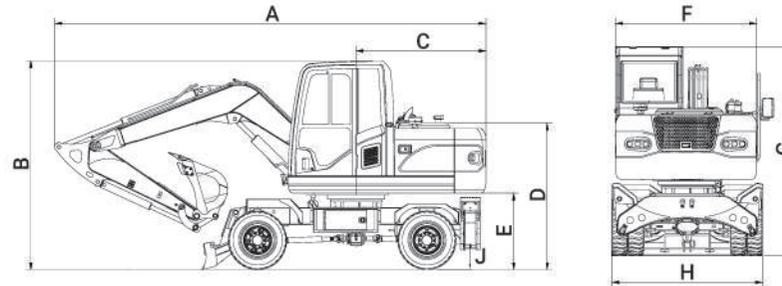
Front Dozer Blade

## OPERATING RANGE

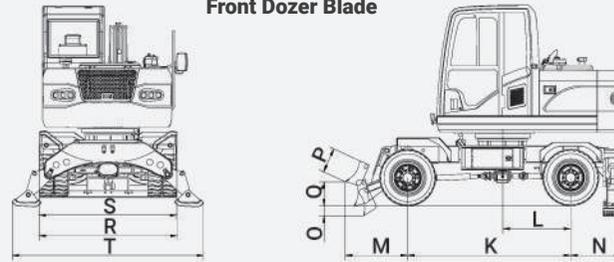


| Working Device                   | Boom 3.3m + Bucket arm 1.75m | Boom 3.5m + Bucket arm 2.00m |
|----------------------------------|------------------------------|------------------------------|
| A Max. digging radius            | 6323 mm                      | 6787 mm                      |
| A1 Max. digging radius on ground | 6144 mm                      | 6585 mm                      |
| B Max. digging depth             | 3200 mm                      | 3635 mm                      |
| C Max. digging height            | 6820 mm                      | 7105 mm                      |
| D Max. dumping height            | 4935 mm                      | 5230 mm                      |
| E Minimum turning radius         | 2177 mm                      | 2334 mm                      |
| F Max. vertical digging depth    | 2912 mm                      | 3325 mm                      |
| Bucket digging force             | 56 KN                        | 56 KN                        |
| Bucket arm digging force         | 38 KN                        | 36 KN                        |

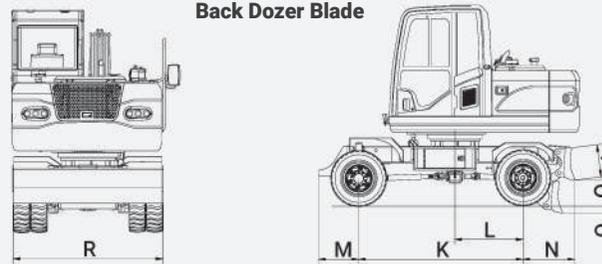
## MAIN DIMENSION



### Front Dozer Blade



### Back Dozer Blade



| Dimension                                       | Front dozer blade / rear outrigger | Rear dozer blade   |
|---|------------------------------------|--------------------|
| <b>A</b> Total length                           |                                    |                    |
| Boom 3.3m + Bucket arm 1.75m                    | BE87W-9X-A 6052 mm                 | BE87W-9X-B 6052 mm |
| Boom 3.5m + Bucket arm 2.00m                    | BE87W-9X-C 6216 mm                 | BE87W-9X-D 6216 mm |
| <b>B</b> Total height                           |                                    |                    |
| Boom 3.3m + Bucket arm 1.75m                    | BE87W-9X-A 2932 mm                 | BE87W-9X-B 2932 mm |
| Boom 3.5m + Bucket arm 2.00m                    | BE87W-9X-C 2932 mm                 | BE87W-9X-D 2932 mm |
| <b>C</b> Counter weight turning radius          | 1786 mm                            | 1786 mm            |
| <b>D</b> Hood height                            | 2054 mm                            | 2054 mm            |
| <b>E</b> Counter weight ground clearance        | 1070 mm                            | 1070 mm            |
| <b>F</b> Upper structure width                  | 2000 mm                            | 2000 mm            |
| <b>G</b> Cab height                             | 2932 mm                            | 2932 mm            |
| <b>H</b> Total tire width                       | 2130 mm                            | 1990 mm            |
| <b>J</b> Minimum ground clearance               | 338 mm                             | 338 mm             |
| <b>K</b> Wheel tread                            | 2400 mm                            | 2400 mm            |
| <b>L</b> Distance of swing center to rear wheel | 1000 mm                            | 1000 mm            |
| <b>M</b> Front extension                        | 920 mm                             | 590 mm             |
| <b>N</b> Back extension                         | 754 mm                             | 764 mm             |
| <b>O</b> Maximum reduction of the dozer blade   | 150 mm                             | 100 mm             |
| <b>P</b> Height of dozer blade                  | 360 mm                             | 470 mm             |
| <b>Q</b> Maximum lift of dozer blade            | 300 mm                             | 390 mm             |
| <b>R</b> Overall width of dozer blade           | 2138 mm                            | 2000 mm            |
| <b>S</b> Total width with outrigger back        | 2130 mm                            | -                  |
| <b>T</b> Total width with outrigger out         | 2965 mm                            | -                  |



### COMFORTABLE OPERATION SPACE

New upgrade cabin, beautiful out-looking, with ergonomic design concept, front gear institutions, adjustable suspension seats, air conditioner, open field of vision, Operating more comfortable.



### INTERNATIONAL BRAND QUALITY

Imported International brand pump, main valve, quick moving, compound movement harmoniously, high reliability, long service time.



### STRONG & FLEXIBLE MOBILIZATION

The overall box-type structure chassis, with reinforced front and rear driven axles, reinforcement gearbox, reinforcement up and down box, more load carry capacity. Front and rear driven axles with hub reduction, more passing ability, suitable for complex road, more driving power, suitable for climbing.



### UPGRADED COOLING EFFICIENCY

Parataxis radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights hidden inside the counterweight completely, avoiding the collision at the complex conditions working.



### REASONABLE & RELIABLE STRUCTURE

After the finite element analysis, the structure of the upper turntable and the working device is more reasonable, which greatly improves the strength and toughness of the turntable and the working device.

# WHEEL EXCAVATOR

## BE91W-Y

### Specification

|                               |                         |                               |
|-------------------------------|-------------------------|-------------------------------|
| Operation weight              | 9100 Kg                 |                               |
| Bucket capacity               | 0.3 M <sup>3</sup>      |                               |
| Engine                        | Model                   | Yanmar 4TNV98-ZCSLK           |
|                               | Displacement            | 3.319 L                       |
|                               | Rated power/speed       | 46.3 kW / 2200 rpm            |
|                               | Maximum torque          | 223.3~243.N. m/1600 ± 100 rpm |
| Optional engine               | Model                   | Yanmar 4TNV98T-ZCSTYC         |
|                               | Displacement            | 3.319L                        |
|                               | Rated power/speed       | 56.5 kW / 2200 rpm            |
|                               | Maximum torque          | 273.3~298.2N.m/1650±100 rpm   |
| Speed                         | Max. travel speed       | 30 km/h                       |
|                               | Swing speed             | 12 rpm                        |
|                               | Max. grade ability      | 30°                           |
| Hydraulic and liquid capacity | Hydraulic system        | Load Sensitive System Rexorth |
|                               | Pump type               | Variable X1                   |
|                               | P1 , P2 pressure        | 25 MPa                        |
|                               | Flow rate P1, P2        | 132 L/min                     |
|                               | Hydraulic tank capacity | 175 L/min                     |
|                               | Fuel tank capacity      | 150 L                         |
| Engine fuel tank capacity     | 12 L                    |                               |



**YANMAR**  
ENGINE



9100 KG Operation Weight



YANMAR Engine



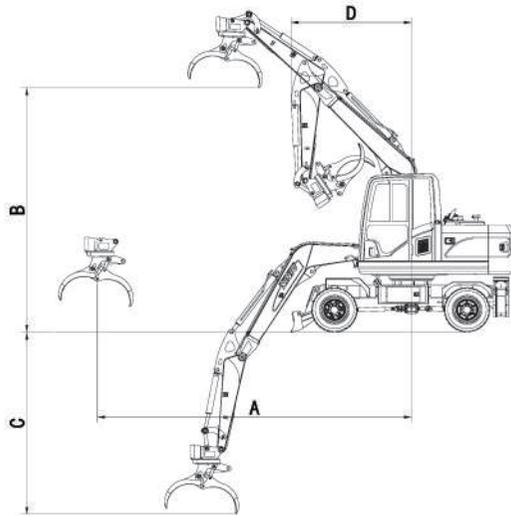
Fuel Saving



Japanese **YANMAR** engine, stronger power, lower fuel consumption, 30% fuel saving.

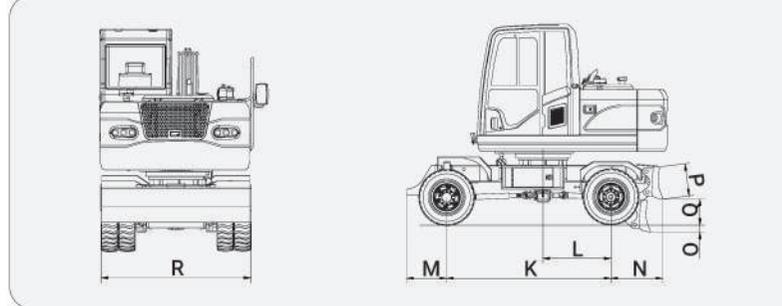
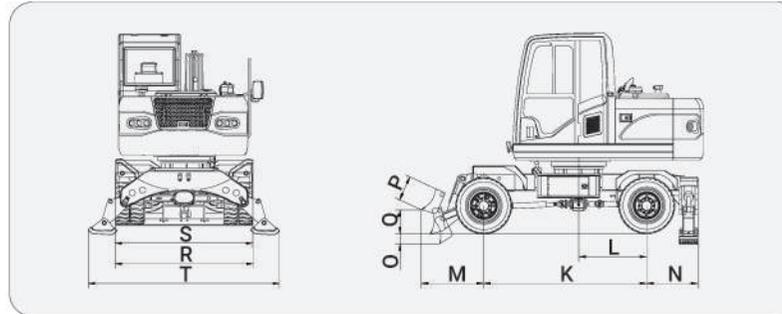
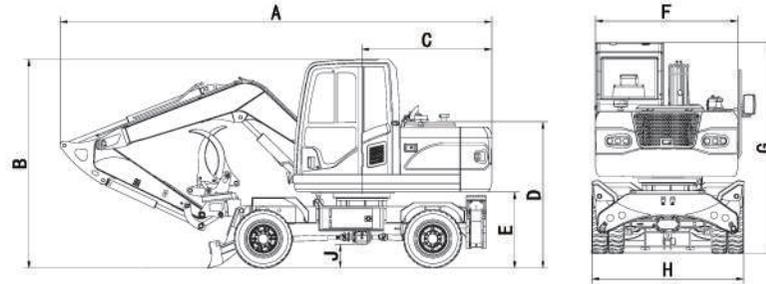
- ◆ Rexroth three pump combined flow hydraulic system can maximize the power output by the engine. It can play an excellent role in both high load operation and fine operation. It can provide strong power, reduce fuel consumption to the maximum extent, and greatly improve operation efficiency.
- ◆ Strong working force, fast action, coordinated compound action, high reliability and long practical life.

## OPERATING RANGE



| Working Device        | Boom 3.5m + Bucket arm 2.00m | Boom 3.7m + Bucket arm 2.20m |
|-----------------------|------------------------------|------------------------------|
| A Max. grab radius    | 6272 mm                      | 6600 mm                      |
| B Max. dumping height | 4972 mm                      | 5630 mm                      |
| C Max. grab depth     | 3789 mm                      | 3740 mm                      |
| D Min. turning radius | 2334 mm                      | 2395 mm                      |

## MAIN DIMENSION



| Dimension                                      | Front dozer blade / rear outrigger | Rear dozer blade  |
|--|------------------------------------|-------------------|
| <b>A</b> Total length                          |                                    |                   |
| Boom 3.5m + Bucket arm 2.00m                   | BE91W-Y-A 6266 mm                  | BE91W-Y-B 6266 mm |
| Boom 3.7m + Bucket arm 2.20m                   | BE91W-Y-C 6485 mm                  | BE91W-Y-D 6485 mm |
| <b>B</b> Total height                          |                                    |                   |
| Boom 3.5m + Bucket arm 2.00m                   | BE91W-Y-A 2932 mm                  | BE91W-Y-B 2932 mm |
| Boom 3.7m + Bucket arm 2.20m                   | BE91W-Y-C 2932 mm                  | BE91W-Y-D 2932 mm |
| <b>C</b> Counter weight turning radius         | 1836 mm                            | 1836 mm           |
| <b>D</b> Hood height                           | 2054 mm                            | 2054 mm           |
| <b>E</b> Counter weight ground clearance       | 1070 mm                            | 1070 mm           |
| <b>F</b> Upper structure width                 | 2000 mm                            | 2000 mm           |
| <b>G</b> Cab height                            | 2932 mm                            | 2932 mm           |
| <b>H</b> Total tire width                      | 2130 mm                            | 1990 mm           |
| <b>J</b> Minimum ground clearance              | 338 mm                             | 338 mm            |
| <b>K</b> Wheel tread                           | 2400 mm                            | 2400 mm           |
| <b>L</b> Distance of swing center to rear axle | 1000 mm                            | 1000 mm           |
| <b>M</b> Front extension                       | 920 mm                             | 590 mm            |
| <b>N</b> Back extension                        | 754 mm                             | 764 mm            |
| <b>O</b> Maximum reduction of the dozer blade  | 150 mm                             | 100 mm            |
| <b>P</b> Height of dozer blade                 | 360 mm                             | 470 mm            |
| <b>Q</b> Maximum lift of dozer blade           | 300 mm                             | 390 mm            |
| <b>R</b> Overall width of dozer blade          | 2138 mm                            | 2000 mm           |
| <b>S</b> Total width with outrigger back       | 2130 mm                            | -                 |
| <b>T</b> Total width with outrigger out        | 2965 mm                            | -                 |



### INTERNATIONAL BRAND QUALITY

Imported International brand plunger pump, main valve, quick moving, compound movement harmoniously, high reliability, long service time.



### COMFORTABLE OPERATION SPACE

New upgrade cabin, beautiful out-looking, with ergonomic design concept, front gear institutions, adjustable suspension seats, air conditioner, open field of vision, Operating more comfortable.



### STRONG & FLEXIBLE MOBILIZATION

The overall box-type structure chassis, with reinforced front and rear driven axles, reinforcement gearbox, reinforcement up and down box, more load carry capacity. Front and rear driven axles with hub reduction, more passing ability, suitable for complex road, more driving power, suitable for climbing.



### UPGRADED COOLING EFFICIENCY

Parataxis radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights hidden inside the counterweight completely, avoiding the collision at the complex conditions working.



### REASONABLE & RELIABLE STRUCTURE

After the finite element analysis, the structure of the upper turntable and the working device is more reasonable, which greatly improves the strength and toughness of the turntable and the working device.



# BE94W-9Y

# WHEEL EXCAVATOR

| Specification                 |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 9400 Kg                 |                          |
| Bucket capacity               | 0.3 M³                  |                          |
| Engine                        | Model                   | YC4DK85-T302-DKDOWC      |
|                               | Displacement            | 3.621L                   |
|                               | Rated power/speed       | 62.5 kW / 2200 rpm       |
|                               | Maximum torque          | 340N.m/(1400-1700) r/min |
| Speed                         | Max. travel speed       | 35 km/h                  |
|                               | Swing speed             | 12 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Hydraulic system        | Load Sensitive System    |
|                               | Pump type               | Variable X1 Piston Pump  |
|                               | Pressure P1, P2         | 32 MPa                   |
|                               | Flow rate P1, P2        | 176 L/min                |
|                               | Hydraulic tank capacity | 175 L                    |
|                               | Fuel tank capacity      | 150 L                    |
| Engine fuel tank capacity     | 12 L                    |                          |

 **9400 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**



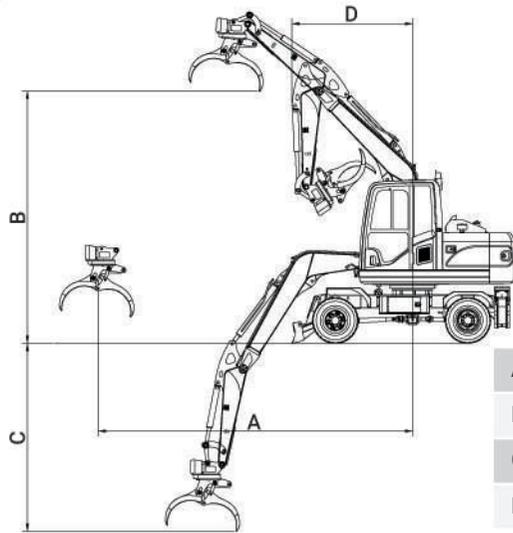
### UPGRADED AIR FILTER

Equipped with upgraded high-end air filter, it can filter the dust and impurities in the air more effectively and prolong the life of the engine.

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

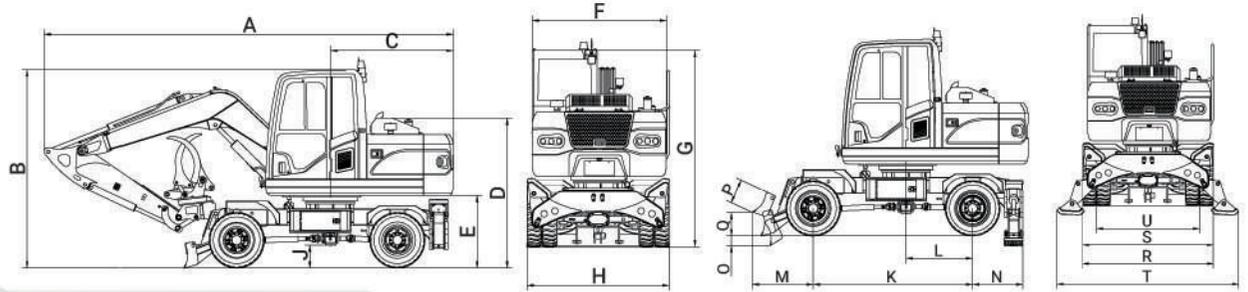
- ◆ The engine is equipped with the BOSCH common rail system, which is economical and fuel-efficient, with high matching with the whole vehicle, stable and reliable.
- ◆ Lower vibration, lower noise, and more comfortable driving experience.
- ◆ The maintenance period is increased to 500 hours, and the service life is more than 20000 hours.
- ◆ Remote monitoring and control can be achieved by using the technology of Artificial Intelligence of Things (AIoT).

## OPERATING RANGE



|   |                     |         |
|---|---------------------|---------|
| A | Max. grab radius    | 6600 mm |
| B | Max. dumping height | 5660 mm |
| C | Max. grab depth     | 3770 mm |
| D | Min turning radius  | 2395 mm |

## MAIN DIMENSION



|   |   |         |   |  |         |
|---|---|---------|---|--|---------|
| A | Total length (Boom 3.7m + Bucket arm 2.20m) | 6485 mm | L | Distance between swing center to rear axle | 1000 mm |
| B | Total height (Boom 3.7m + Bucket arm 2.20m) | 2932 mm | M | Front extension                            | 920 mm  |
| C | Counter weight turning radius               | 1836 mm | N | Back extension                             | 754 mm  |
| D | Hood height                                 | 2220 mm | O | Maximum reduction of the dozer blade       | 150 mm  |
| E | Counter weight ground clearance             | 1100 mm | P | Height of dozer blade                      | 360 mm  |
| F | Upper structure width                       | 2000 mm | Q | Maximum lift of dozer blade                | 300 mm  |
| G | Cab height                                  | 2932 mm | R | Overall width of dozer blade               | 2138 mm |
| H | Total Tire width                            | 2165 mm | S | Total width with outrigger back            | 2130 mm |
| J | Minimum ground clearance                    | 338 mm  | T | Total width with outrigger out             | 2965 mm |
| K | Wheel Tread                                 | 2400 mm | U | Wheel / Base                               | 1700 mm |

DETAIL

### RELIABLE PLUNGER PUMP & MAIN VALVE

Large displacement load sensitive plunger pump and large diameter main valve are adopted, with fast action, coordinated compound action and high reliability. There is a boom holding valve inside the main valve to prevent the boom from falling.



### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at anytime. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.
- ◆ Parallel radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights inside the counterweight completely, avoid the collision at the complex conditions working.



**REASONABLE & RELIABLE STRUCTURE**  
After the optimization of simulation finite element analysis, the structure of boom and stick is more reasonable and reliable, and service life is longer.



### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.



### LUXURIOUS AND COMFORTABLE OPERATION SPACE, DESIGNED WITH ERGONOMIC CONCEPT

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.

### ROUTINE INSPECTION AND MAINTENANCE ARE MORE CONVENIENT

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.

# BE94W-9C

# WHEEL EXCAVATOR

| Specification                 |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 9400 Kg                 |                          |
| Bucket capacity               | 0.3 M <sup>3</sup>      |                          |
| Engine                        | Model                   | YC4DK85-T301-DKDOWC      |
|                               | Displacement            | 3.621L                   |
|                               | Rated power/speed       | 62.5 kW / 2200 rpm       |
|                               | Maximum torque          | 340N.m/(1400-1700) r/min |
| Speed                         | Max. travel speed       | 35 km/h                  |
|                               | Swing speed             | 12 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Hydraulic system        | Load Sensitive System    |
|                               | Pump type               | Variable X1 Piston Pump  |
|                               | Pressure P1, P2         | 32 MPa                   |
|                               | Flow rate P1, P2        | 176 L/min                |
|                               | Hydraulic tank capacity | 175 L                    |
| Fuel tank capacity            | 150 L                   |                          |
| Engine fuel tank capacity     | 12 L                    |                          |



**9400 KG Operation Weight**

**Strong & Durable**

**Fuel Saving**



**TWO CYLINDERS**  
 ◆ STRONGER  
 ◆ MORE STABLE  
 ◆ HIGHER EFFICIENCY

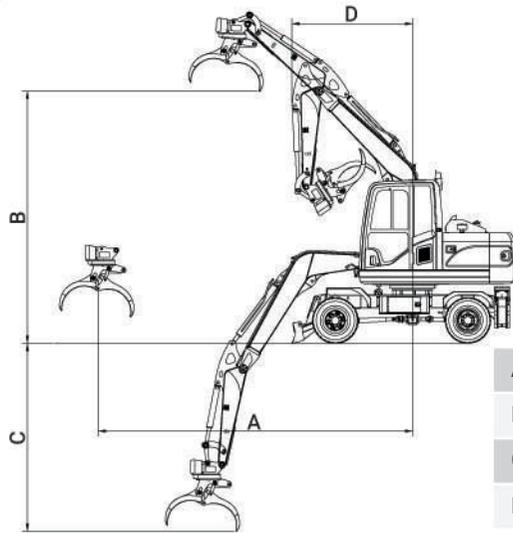


**UPGRADED AIR FILTER**  
 Equipped with upgraded high-end air filter, it can filter the dust and impurities in the air more effectively and prolong the life of the engine.

**STRONG, DURABLE & FUEL EFFICIENT ENGINE**

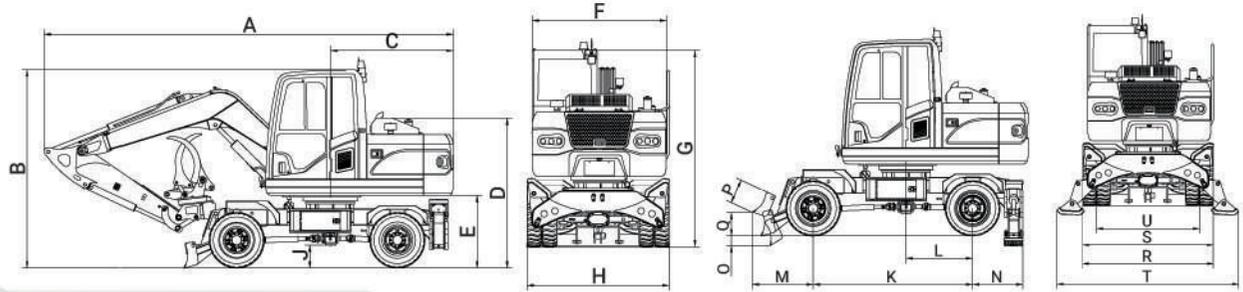
- ◆ The engine is equipped with the BOSCH common rail system, which is economical and fuel-efficient, with high matching with the whole vehicle, stable and reliable.
- ◆ Lower vibration, lower noise, and more comfortable driving experience.
- ◆ The maintenance period is increased to 500 hours, and the service life is more than 20000 hours.
- ◆ Remote monitoring and control can be achieved by using the technology of Artificial Intelligence of Things (AIoT).

## OPERATING RANGE



|          |                     |         |
|----------|---------------------|---------|
| <b>A</b> | Max. grab radius    | 6600 mm |
| <b>B</b> | Max. dumping height | 5660 mm |
| <b>C</b> | Max. grab depth     | 3770 mm |
| <b>D</b> | Min turning radius  | 2395 mm |

## MAIN DIMENSION



|          |                                 |         |          |  |         |
|----------|---------------------------------|---------|----------|--|---------|
| <b>A</b> | Total length                    | 6485 mm | <b>L</b> | Distance between swing center to rear axle | 1000 mm |
| <b>B</b> | Total height                    | 2932 mm | <b>M</b> | Front extension                            | 920 mm  |
| <b>C</b> | Counter weight turning radius   | 1836 mm | <b>N</b> | Back extension                             | 754 mm  |
| <b>D</b> | Hood height                     | 2057 mm | <b>O</b> | Maximum reduction of the dozer blade       | 150 mm  |
| <b>E</b> | Counter weight ground clearance | 1100 mm | <b>P</b> | Height of dozer blade                      | 360 mm  |
| <b>F</b> | Upper structure width           | 2000 mm | <b>Q</b> | Maximum lift of dozer blade                | 300 mm  |
| <b>G</b> | Cab height                      | 2932 mm | <b>R</b> | Overall width of dozer blade               | 2138 mm |
| <b>H</b> | Total Tire width                | 2165 mm | <b>S</b> | Total width with outrigger back            | 2130 mm |
| <b>J</b> | Minimum ground clearance        | 338 mm  | <b>T</b> | Total width with outrigger out             | 2965 mm |
| <b>K</b> | Wheel Tread                     | 2400 mm | <b>U</b> | Wheel / Base                               | 1700 mm |

DETAIL

### RELIABLE PLUNGER PUMP & MAIN VALVE

Large displacement load sensitive plunger pump and large diameter main valve are adopted, with fast action, coordinated compound action and high reliability. There is a boom holding valve inside the main valve to prevent the boom from falling.



### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at anytime. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.
- ◆ Parallel radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights inside the counterweight completely, avoid the collision at the complex conditions working.



**REASONABLE & RELIABLE STRUCTURE**  
After the optimization of simulation finite element analysis, the structure of boom and stick is more reasonable and reliable, and service life is longer.



### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.



### LUXURIOUS AND COMFORTABLE OPERATION SPACE, DESIGNED WITH ERGONOMIC CONCEPT

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.

### ROUTINE INSPECTION AND MAINTENANCE ARE MORE CONVENIENT

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.

# WHEEL EXCAVATOR

## BE110W-9B

### Specification

|                               |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 11000 Kg                |                          |
| Bucket capacity               | 0.4 M <sup>3</sup>      |                          |
| Engine                        | Model                   | WP4.1G125E302            |
|                               | Displacement            | 4.088 L                  |
|                               | Rated power/speed       | 92 kW / 2200 rpm         |
|                               | Maximum torque          | 480N.m/(1600-1800) r/min |
| Speed                         | Max. travel speed       | 32 km/h                  |
|                               | Swing speed             | 11 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Pump type               | Piston Pump              |
|                               | Pressure P1, P2         | 30 MPa                   |
|                               | Flow rate P1, P2        | 231 L/min                |
|                               | Hydraulic tank capacity | 145 L                    |
|                               | Fuel tank capacity      | 175 L                    |
| Engine fuel tank capacity     | 12 L                    |                          |

 **11000 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**



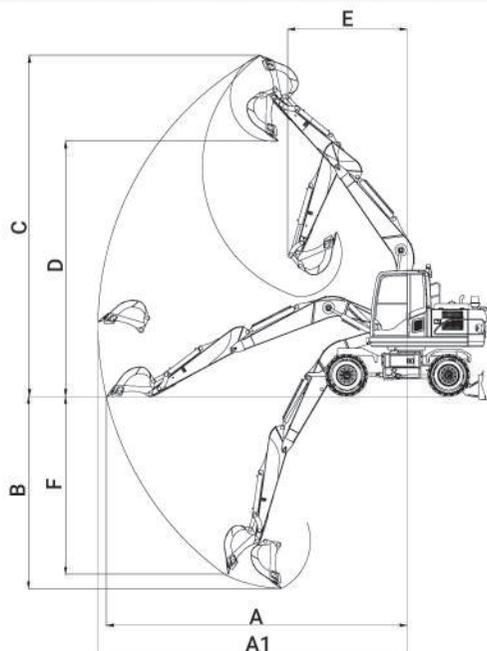
### TWO CYLINDERS

- ◆ STRONGER
- ◆ MORE STABLE
- ◆ HIGHER EFFICIENCY

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

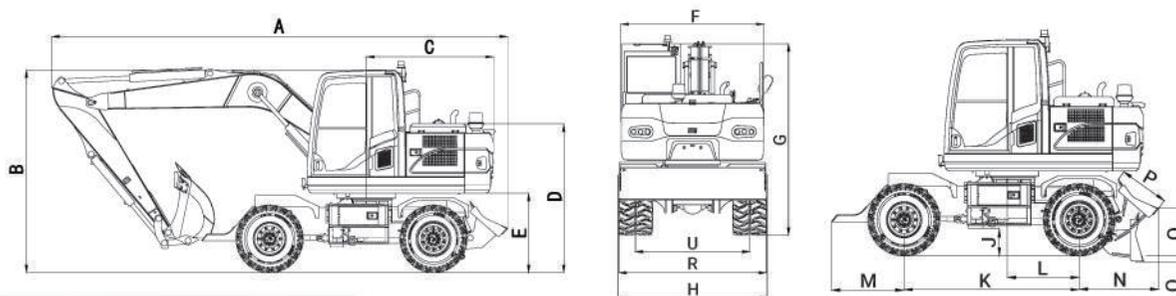
According to the engine universal characteristic curve, the economy and power performance are calculated, and the maximum torque reserve is reserved to make the whole machine and the hydraulic system perfectly match.

## OPERATING RANGE



|    |                               |         |
|----|-------------------------------|---------|
| A1 | Max. digging radius           | 7559 mm |
| A  | Max. digging radius on ground | 7354 mm |
| B  | Max. digging depth            | 4673 mm |
| C  | Max. digging height           | 8292 mm |
| D  | Max. dumping height           | 6208 mm |
| E  | Minimum turning radius        | 2913 mm |
| F  | Max. vertical digging depth   | 4320 mm |
|    | Bucket digging force          | 85 KN   |
|    | Bucket arm digging force      | 61 KN   |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 7137 mm | K | Wheel Tread                                | 2500 mm |
| B | Total height                    | 3071 mm | L | Distance between swing center to rear axle | 1025 mm |
| C | Counter weight turning radius   | 1941 mm | M | Front extension                            | 1032 mm |
| D | Hood height                     | 2255 mm | N | Back extension                             | 1134 mm |
| E | Counter weight ground clearance | 1206 mm | O | Maximum reduction of the dozer blade       | 80 mm   |
| F | Upper structure width           | 2300 mm | P | Height of dozer blade                      | 703 mm  |
| G | Cab height                      | 3072 mm | Q | Maximum lift of dozer blade                | 676 mm  |
| H | Total Tire width                | 2403 mm | R | Overall width of dozer blade               | 2380 mm |
| J | Minimum ground clearance        | 388 mm  | U | Wheel / Base                               | 1840 mm |

DETAIL

### ADVANCE OPTIMIZED WORKING DEVICE

- ◆ Upgrade to articulated balance cylinder, directly connected with the axle, which is more secure and reliable.
- ◆ Rotational plastic mailbox is adopted to ensure fuel cleanliness and provide strong fuel guarantee for the equipment.
- ◆ Develop and design a new type of seam tire to prevent hard objects from getting stuck, effectively protect the tire and make the tire safe, reliable and durable. The tire pattern designed according to the grip performance index has better grip, wider tread and large grounding area, making the whole vehicle more stable.
- ◆ The boom is supported by two cylinders, with stronger lifting force, more stable and higher working efficiency.



### LUXURIOUS, COMFORTABLE, & ERGONOMIC SPACE

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.



### REASONABLE & RELIABLE STRUCTURE

After the optimization of simulation finite element analysis, the structure of boom and stick is more reasonable and reliable, and service life is longer.

### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.

### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at any time. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.



### ROUTINE INSPECTION AND MAINTENANCE OBJECTS ARE WITHIN REACH

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.

# WHEEL EXCAVATOR

## BE111W-9C

### Specification

|                               |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 11100 Kg                |                          |
| Bucket capacity               | 0.4 M <sup>3</sup>      |                          |
| Engine                        | Model                   | WP4.1G125E302            |
|                               | Displacement            | 4.088 L                  |
|                               | Rated power/speed       | 92 kW / 2200 rpm         |
|                               | Maximum torque          | 480N.m/(1600-1800) r/min |
| Speed                         | Max. travel speed       | 32 km/h                  |
|                               | Swing speed             | 11 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Pump type               | Piston Pump              |
|                               | Pressure P1, P2         | 30 MPa                   |
|                               | Flow rate P1, P2        | 231 L/min                |
|                               | Hydraulic tank capacity | 145 L                    |
|                               | Fuel tank capacity      | 175 L                    |
| Engine fuel tank capacity     | 12 L                    |                          |

 **11100 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**



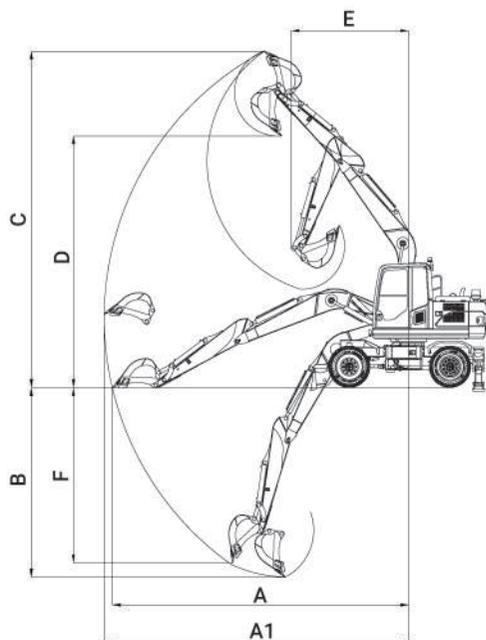
### TWO CYLINDERS

- ◆ STRONGER
- ◆ MORE STABLE
- ◆ HIGHER EFFICIENCY

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

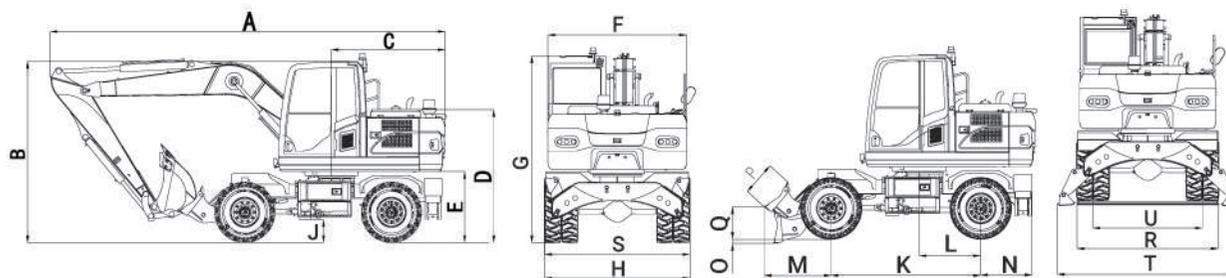
According to the engine universal characteristic curve, the economy and power performance are calculated, and the maximum torque reserve is reserved to make the whole machine and the hydraulic system perfectly match.

## OPERATING RANGE



|    |                               |         |
|----|-------------------------------|---------|
| A1 | Max. digging radius           | 7559 mm |
| A  | Max. digging radius on ground | 7354 mm |
| B  | Max. digging depth            | 4673 mm |
| C  | Max. digging height           | 8292 mm |
| D  | Max. dumping height           | 6208 mm |
| E  | Minimum turning radius        | 2913 mm |
| F  | Max. vertical digging depth   | 4320 mm |
|    | Bucket digging force          | 85 KN   |
|    | Bucket arm digging force      | 61 KN   |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 6730 mm | L | Distance between swing center to rear axle | 1025 mm |
| B | Total height                    | 3071 mm | M | Front extension                            | 1121 mm |
| C | Counter weight turning radius   | 1941 mm | N | Back extension                             | 862 mm  |
| D | Hood height                     | 2255 mm | O | Maximum reduction of the dozer blade       | 67mm    |
| E | Counter weight ground clearance | 1206 mm | P | Height of dozer blade                      | 703 mm  |
| F | Upper structure width           | 2300 mm | Q | Maximum lift of dozer blade                | 676 mm  |
| G | Cab height                      | 3072 mm | R | Overall width of dozer blade               | 2380 mm |
| H | Total Tire width                | 2403 mm | S | Total width with outrigger back            | 2402 mm |
| J | Minimum ground clearance        | 388 mm  | T | Total width with outrigger out             | 3060 mm |
| K | Wheel Tread                     | 2500 mm | U | Wheel Base                                 | 1840 mm |

DETAIL

### ADVANCE OPTIMIZED WORKING DEVICE

- ◆ Upgrade to articulated balance cylinder, directly connected with the axle, which is more secure and reliable.
- ◆ Rotational plastic mailbox is adopted to ensure fuel cleanliness and provide strong fuel guarantee for the equipment.
- ◆ Develop and design a new type of seam tire to prevent hard objects from getting stuck, effectively protect the tire and make the tire safe, reliable and durable. The tire pattern designed according to the grip performance index has better grip, wider tread and large grounding area, making the whole vehicle more stable.
- ◆ The boom is supported by two cylinders, with stronger lifting force, more stable and higher working efficiency.



### LUXURIOUS, COMFORTABLE, & ERGONOMIC SPACE

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.



### REASONABLE & RELIABLE STRUCTURE

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### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

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- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
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### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at any time. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.



### ROUTINE INSPECTION AND MAINTENANCE OBJECTS ARE WITHIN REACH

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.



# BE11W-9B

# WHEEL EXCAVATOR

| Specification                 |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 11100 Kg                |                          |
| Bucket capacity               | 0.4 M <sup>3</sup>      |                          |
| Engine                        | Model                   | YC4DK100-T301            |
|                               | Displacement            | 3.621 L                  |
|                               | Rated power/speed       | 73.5 kW / 2400 rpm       |
|                               | Maximum torque          | 350N.m/(1800-2200) r/min |
| Speed                         | Max. travel speed       | 32 km/h                  |
|                               | Swing speed             | 10 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Hydraulic system        | Load sensitive system    |
|                               | Pump type               | Variable X1 Piston pump  |
|                               | Pressure P1, P2         | 30 MPa                   |
|                               | Flow rate P1, P2        | 175 L/min                |
|                               | Hydraulic tank capacity | 170 L                    |
| Fuel tank capacity            | 175 L                   |                          |
| Engine fuel tank capacity     | 19 L                    |                          |

 **11100 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**



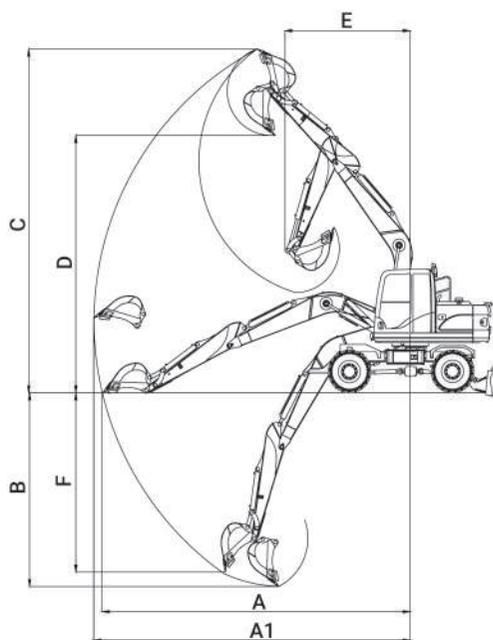
### TWO CYLINDERS

- ◆ STRONGER
- ◆ MORE STABLE
- ◆ HIGHER EFFICIENCY

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

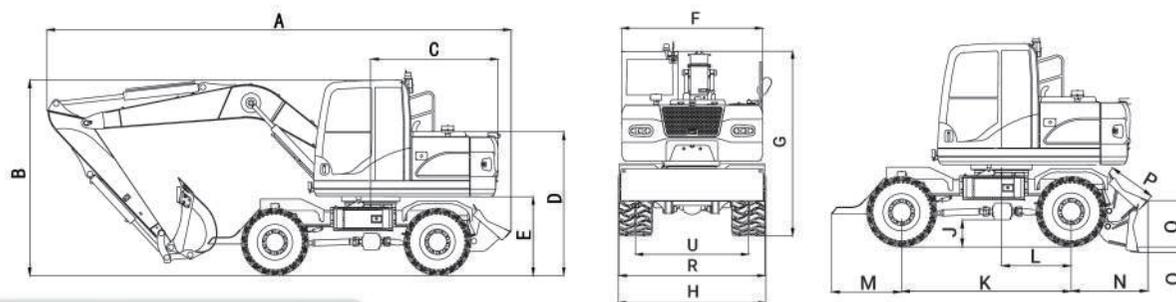
- ◆ The engine is equipped with the BOSCH common rail system, which is economical and fuel-efficient, with high matching with the whole vehicle, stable and reliable.
- ◆ Lower vibration, lower noise, and more comfortable driving experience.
- ◆ The maintenance period is increased to 500 hours, and the service life is more than 20000 hours.
- ◆ Remote monitoring and control can be achieved by using the technology of Artificial Intelligence of Things (AIoT).

## OPERATING RANGE



|    |                               |         |
|----|-------------------------------|---------|
| A1 | Max. digging radius           | 7683 mm |
| A  | Max. digging radius on ground | 7479 mm |
| B  | Max. digging depth            | 4673 mm |
| C  | Max. digging height           | 8292 mm |
| D  | Max. dumping height           | 6208 mm |
| E  | Minimum turning radius        | 3038 mm |
| F  | Max. vertical digging depth   | 4320 mm |
|    | Bucket digging force          | 85 KN   |
|    | Bucket arm digging force      | 61 KN   |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 7137 mm | K | Wheel Tread                                | 2500 mm |
| B | Total height                    | 2984 mm | L | Distance between swing center to rear axle | 1025 mm |
| C | Counter weight turning radius   | 1960 mm | M | Front extension                            | 1032 mm |
| D | Hood height                     | 2195 mm | N | Back extension                             | 1134 mm |
| E | Counter weight ground clearance | 1205 mm | O | Maximum reduction of the dozer blade       | 80 mm   |
| F | Upper structure width           | 2300 mm | P | Height of dozer blade                      | 703 mm  |
| G | Cab height                      | 2983 mm | Q | Maximum lift of dozer blade                | 676 mm  |
| H | Total Tire width                | 2403 mm | R | Overall width of dozer blade               | 2380 mm |
| J | Minimum ground clearance        | 394 mm  | U | Wheel / Base                               | 1840 mm |

DETAIL

### ADVANCE OPTIMIZED WORKING DEVICE

- ◆ Upgrade to articulated balance cylinder, directly connected with the axle, which is more secure and reliable.
- ◆ Rotational plastic mailbox is adopted to ensure fuel cleanliness and provide strong fuel guarantee for the equipment.
- ◆ Develop and design a new type of seam tire to prevent hard objects from getting stuck, effectively protect the tire and make the tire safe, reliable and durable. The tire pattern designed according to the grip performance index has better grip, wider tread and large grounding area, making the whole vehicle more stable.
- ◆ The boom is supported by two cylinders, with stronger lifting force, more stable and higher working efficiency.



### LUXURIOUS, COMFORTABLE, & ERGONOMIC SPACE

- ◆ All operation handles and switch buttons are ergonomically designed.
- ◆ The adjustable direction indicator can adjust the angle according to your own needs.
- ◆ Vertical air conditioner outlet, better cooling effect.



### REASONABLE & RELIABLE STRUCTURE

After the optimization of simulation finite element analysis, the structure of boom and stick is more reasonable and reliable, and service life is longer.

### ALUMINUM ALLOY GAS CYLINDER IS ADOPTED, & AIR FILTER, AUTOMATIC DRAIN VALVE & QUICK AIR CONNECTION ARE ADDED

- ◆ Aluminum alloy gas cylinder is used to avoid the rust in the gas cylinder.
- ◆ Added air filter to filter impurities in the air.
- ◆ Automatic drain valve, the moisture in the gas cylinder is discharged automatically, without artificial drainage.
- ◆ Quick air circuit connector is convenient for users to use pneumatic grease gun for oiling and tire inflation.

### SECURITY AND SAFETY DESIGN

- ◆ Add rear view camera rear lighting, makes reversing safer no matter day or night.
- ◆ Add the work warning light to warn the surrounding personnel at anytime. It is strictly prohibited to approach the work scope.
- ◆ Fixed base of license plate and license plate lamp are added to meet the national licensing requirements.
- ◆ Parallel radiator, full steel mesh back door, increase ventilation, improving the cooling efficiency, the back lights inside the counterweight completely, avoid the collision at the complex conditions working.

### ROUTINE INSPECTION AND MAINTENANCE OBJECTS ARE WITHIN REACH

- ◆ The layout of all hydraulic components is reasonable, open the hood for maintenance.
- ◆ The engine, air conditioner, brake air circuit and other components are all placed behind the cab, open the side door for maintenance.

# WHEEL EXCAVATOR

## BE116W-9C

### Specification

|                               |                         |                          |
|-------------------------------|-------------------------|--------------------------|
| Operation weight              | 11600 Kg                |                          |
| Bucket capacity               | 0.4 M <sup>3</sup>      |                          |
| Engine                        | Model                   | YC4DK100-T301            |
|                               | Displacement            | 3.621 L                  |
|                               | Rated power/speed       | 73.5 kW / 2400 rpm       |
|                               | Maximum torque          | 350N.m/(1800-2200) r/min |
| Speed                         | Max. travel speed       | 32 km/h                  |
|                               | Swing speed             | 10 rpm                   |
|                               | Max. grade ability      | 30°                      |
| Hydraulic and liquid capacity | Hydraulic system        | Load sensitive system    |
|                               | Pump type               | Variable X1 Piston pump  |
|                               | Pressure P1, P2         | 30 MPa                   |
|                               | Flow rate P1, P2        | 175 L/min                |
|                               | Hydraulic tank capacity | 170 L                    |
| Fuel tank capacity            | 175 L                   |                          |
| Engine fuel tank capacity     | 19 L                    |                          |

 **11600 KG Operation Weight**

 **Strong & Durable**

 **Fuel Saving**



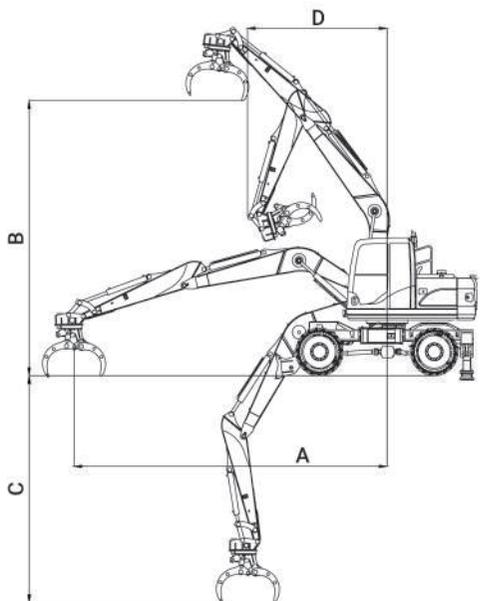
### TWO CYLINDERS

- ◆ STRONGER
- ◆ MORE STABLE
- ◆ HIGHER EFFICIENCY

### STRONG, DURABLE & FUEL EFFICIENT ENGINE

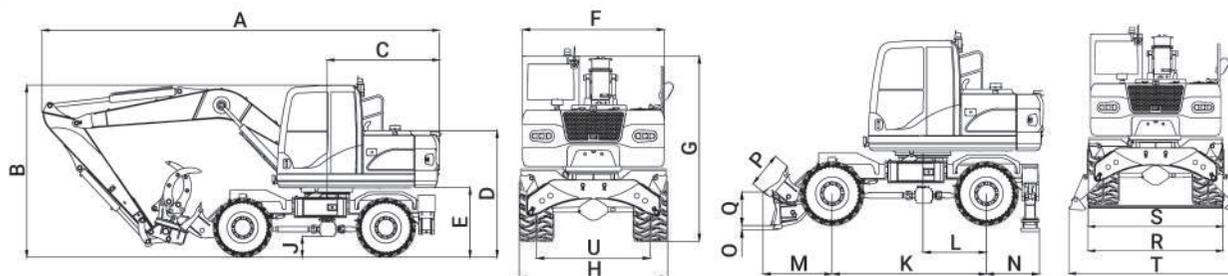
- ◆ The engine is equipped with the BOSCH common rail system, which is economical and fuel-efficient, with high matching with the whole vehicle, stable and reliable.
- ◆ Lower vibration, lower noise, and more comfortable driving experience.
- ◆ The maintenance period is increased to 500 hours, and the service life is more than 20000 hours.
- ◆ Remote monitoring and control can be achieved by using the technology of Artificial Intelligence of Things (AIoT).

## OPERATING RANGE



|   |                     |         |
|---|---------------------|---------|
| A | Max. grab radius    | 6280 mm |
| B | Max. dumping height | 5945 mm |
| C | Max. grab depth     | 4930 mm |
| D | Min. turning radius | 3038 mm |

## MAIN DIMENSION



|   |                                 |         |   |  |         |
|---|---------------------------------|---------|---|--|---------|
| A | Total length                    | 6938 mm | L | Distance between swing center to rear axle | 1025 mm |
| B | Total height                    | 2984 mm | M | Front extension                            | 1121 mm |
| C | Counter weight turning radius   | 1960 mm | N | Back extension                             | 862 mm  |
| D | Hood height                     | 2195 mm | O | Maximum reduction of the dozer blade       | 67 mm   |
| E | Counter weight ground clearance | 1205 mm | P | Height of dozer blade                      | 571 mm  |
| F | Upper structure width           | 2300 mm | Q | Maximum lift of dozer blade                | 543 mm  |
| G | Cab height                      | 2983 mm | R | Overall width of dozer blade               | 2380 mm |
| H | Total Tire width                | 2403 mm | S | Total width with outrigger back            | 2378 mm |
| J | Minimum ground clearance        | 361 mm  | T | Total width with outrigger out             | 3048 mm |
| K | Wheel Tread                     | 2500 mm | U | Wheel Base                                 | 1840 mm |

DETAIL

### ADVANCE OPTIMIZED WORKING DEVICE

- ◆ Upgrade to articulated balance cylinder, directly connected with the axle, which is more secure and reliable.
- ◆ Rotational plastic mailbox is adopted to ensure fuel cleanliness and provide strong fuel guarantee for the equipment.
- ◆ Develop and design a new type of seam tire to prevent hard objects from getting stuck, effectively protect the tire and make the tire safe, reliable and durable. The tire pattern designed according to the grip performance index has better grip, wider tread and large grounding area, making the whole vehicle more stable.
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**BOMAC**  
エクストラ ワークス エクストラ ストロング