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**Worldwide Services**

# CONSTRUCTION MACHINERY



 **YTO INTERNATIONAL, LTD.**

Add: 154, JIANSHE ROAD, LUOYANG, HENAN, CHINA    Tel: (86)379-62799000    Fax: (86)379-62799099    P.C.: 471004

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Http: [www.yto.com.cn](http://www.yto.com.cn)    E-mail: [gm@yto.com.cn](mailto:gm@yto.com.cn)





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Construction machinery of YTO Group Corporation has got CE certificates.

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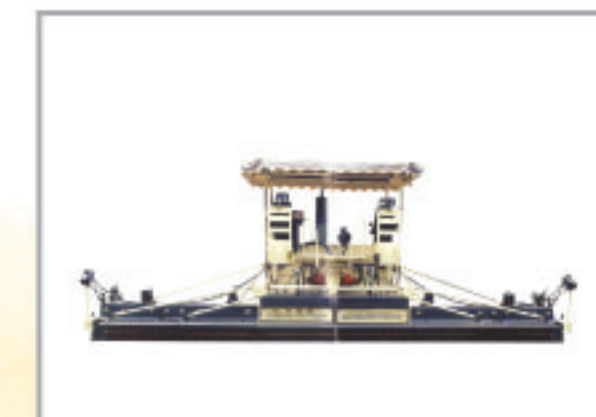
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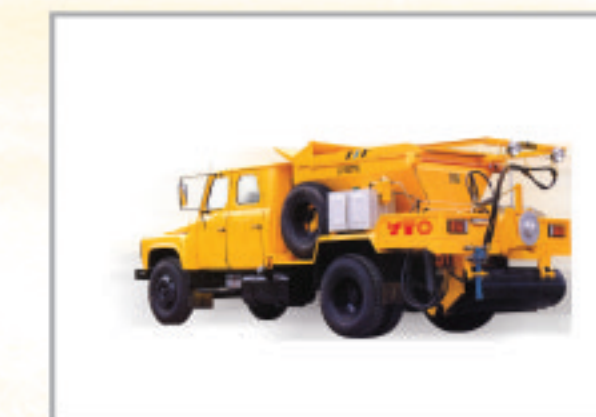
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## LSD226H/LSD220H/LSD218H Hydraulic Single Drum Vibratory Rollers

| Model                                         |       | LSD218H   | LSD220H        | LSD226H     |
|-----------------------------------------------|-------|-----------|----------------|-------------|
| Engine                                        |       |           |                |             |
| Model                                         |       |           | 6CTA8.3        |             |
| Rated power/<br>rotational speed              | r/min |           | 160kW / 2200   |             |
| Weight                                        |       |           |                |             |
| Operating weight<br>(with driver's cab)       | kg    | 18000     | 20000          | 26000       |
| Allocated mass to<br>front wheels/rear wheels | kg    | 9000/9000 | 10000/10000    | 13000/13000 |
| Vibration                                     |       |           |                |             |
| Amplitude of vibration                        | mm    |           | 2.0/1.0        |             |
| Frequency of vibration                        | Hz    |           | 28/35          |             |
| Exciting force                                | kN    | 360/280   | 380/300        | 420/340     |
| Transmission                                  |       |           |                |             |
| Speed 1 (front / rear)                        | km/h  |           | 2.1            |             |
| Speed 2 (front / rear)                        | km/h  |           | 4.3            |             |
| Speed 3 (front / rear)                        | km/h  |           | 11.2           |             |
| Gradeability                                  | %     |           | 45             |             |
| Machine specification                         |       |           |                |             |
| Inside turning radius                         | mm    |           | 4700           |             |
| Outside turning radius                        | mm    |           | 7000           |             |
| Steering angle                                |       |           | 36°            |             |
| Swinging angle                                |       |           | 10°            |             |
| Ground clearance                              | mm    |           | 472            |             |
| Axle base                                     | mm    |           | 3148           |             |
| Machine dimensions                            |       |           |                |             |
| L×W×H                                         | mm    |           | 6005×2298×2993 |             |
| Vibration wheel width                         | mm    |           | 2130           |             |
| Vibration wheel diameter                      | mm    |           | 1600           |             |
| Rim thickness of<br>the vibration wheel       | mm    |           | 35             |             |
| Refilling capacities                          |       |           |                |             |
| Fuel tank capacity                            | L     |           | 180            |             |
| Hydraulic oil tank capacity                   | L     |           | 200            |             |
| Tyres                                         |       |           |                |             |
| Tyre specifications                           |       |           | 23.1-26        |             |

### ■ Main Features

LSD226H is equipped with an originally mounted Cummins C series turbo-charged diesel engine, LSD220H can choose an originally mounted Cummins C series turbo-charged diesel engine, which has a large power reserve. It adopts the hydraulic all wheel traction transmission mode and has a variable frequency & variable amplitude rapping device, a DANA driving axle and REXROTH planetary reductor, and built-in wet multi-plate brakes. When fuel is off, braking is automatically applied, so it is safe and reliable. It has a high strength fully closed driver's cabin. Besides, there is an optional digital display type compactness detector so as to guarantee the quality of compacting.

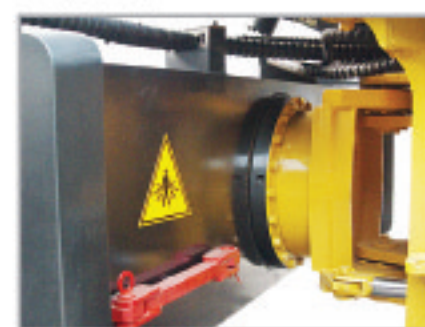
LSD218H model of road roller can choose an originally mounted Cummins C series turbocharged engine, which has a large power reserve coefficient and meets the diesel engine's performance demands when the roller is working in locations where altitude is over 4,000 meters. In designing, it adopts a ROPS that integrates the anti-toppling mechanism and the driver's cab, which is equipped with ultraviolet ray intercepting windshield glass, and inside the cab, heating-cooling air conditioning, defrosting and oxygen inhaling devices are optional to install. The roller is fully hydraulic and fully driven, with the variable frequency and amplitude. It adopts the articulated steering and the four-gear stepless variable drive, thus taking the lead in this field of technology. When fuel is off, the brakes are automatically applied, so it is safe and reliable. In addition, the road roller has a characteristic appearance style, because it is streamlined and has the curved surface windshield glass and the curved photographic-shape hood. Moreover, it is equipped with an automatic detecting system which can diagnose any failures at any time.



International brand hydraulic component



International brand heavy driving axle



Heavy duty articulated joint with pivotal bearing



Powerful Cummins engine

## LSD214H/LSD212H/LSD210H Hydraulic Single Drum Vibratory Rollers

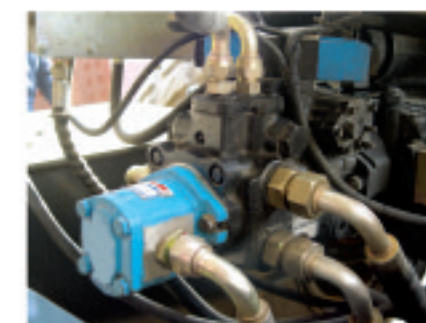


| Model                 |      | LSD214H            | CE LSD212H         | LSD210H            |
|-----------------------|------|--------------------|--------------------|--------------------|
| Operating mass        | kg   | 14000              | 12000              | 10000              |
| static linear load    | N/cm | 373                | 303                | 242                |
| Vibration amplitude   | mm   | 1.8/0.9            | 1.8/0.9            | 1.8/0.9            |
| Vibration frequency   | Hz   | 30/36              | 30/36              | 30/36              |
| Exciting force        | kN   | 290/200            | 270/180            | 250/160            |
| Max. travel speed     | km/h | 10                 | 10                 | 10                 |
| Gradeability          | %    | 40                 | 40                 | 40                 |
| Turning radius        | mm   | 6500               | 6500               | 6500               |
| Drum width            | mm   | 2100               | 2100               | 2100               |
| Wheelbase             | mm   | 3050               | 3050               | 3050               |
| Min. ground clearance | mm   | 472                | 472                | 472                |
| Diesel model          |      | 6BT5.9             | 6BT5.9             | 6BT5.9             |
| Diesel power          | kW   | 110                | 110                | 110                |
| Overall dimensions    | mm   | 6000 × 2250 × 2950 | 6000 × 2250 × 2950 | 6000 × 2250 × 2950 |

### ■ Main Features

LSD214H/LSD212H/LSD210H series roller are hydraulic vibratory rollers. They are suitable for compaction of non-cohesive materials such as gravel, crushed stone, sand-macadam mixture, sandy soil and rock filling etc. on base course, sub-base and embankment fill construction, which are ideal equipment for high-class highway, railway, airport, harbors, dams and large-scale industrial ground.

- LSD212H is equipped with powerful Cummins diesel engine; Optional diesel engine with electronic control.
- Hydrostatic wheel & drum travel drive operated by a single lever at two range infinitely variable speeds.
- Adjustable frequency and amplitude vibration device with imported vibrating pump and motor.
- Parking brake hydraulically mounted in central input of the driving axle with oil-cutoff braking for reliable safety.
- Circle arc glasses cabin with air conditioner(option) and curve engine hood for unique streamline shape appearance.
- Engine mounted with backward power output and turnover engine hood allow easy access to the main hydraulic components.



International brand hydraulic pump



International brand hydraulic motor



Cummins engine



Whole-opened engine hood





## LSS2301/LSS2101/LSS1901/LSS1701 Single Drum Vibratory Rollers

| Model               |      | LSS2301            | LSS2101            | LSS1901            | LSS1701            |
|---------------------|------|--------------------|--------------------|--------------------|--------------------|
| Operating mass      | kg   | 23000              | 21000              | 19000              | 17000              |
| static linear load  | N/cm | 529                | 483                | 437                | 437                |
| Vibration amplitude | mm   | 2.0/1.0            | 2.0/1.0            | 2.0/1.0            | 2.0/1.0            |
| Vibration frequency | Hz   | 28                 | 28                 | 28                 | 28                 |
| Centrifugal force   | kN   | 380/240            | 360/220            | 340/200            | 320/180            |
| Max. travel speed   | km/h | 10.5               | 10.5               | 10.5               | 10.5               |
| Gradeability        | %    | 35                 | 35                 | 35                 | 35                 |
| Turning radius      | mm   | 7500               | 7500               | 7500               | 7500               |
| Drum width          | mm   | 2130               | 2130               | 2130               | 2130               |
| Drum diameter       | mm   | 1600               | 1600               | 1600               | 1600               |
| Wheelbase           | mm   | 3430               | 3430               | 3430               | 3430               |
| Ground clearance    | mm   | 445                | 445                | 445                | 445                |
| Diesel model        |      | D6114              | D6114              | D6114              | D6114              |
| Diesel power        | kW   | 132                | 132                | 132                | 132                |
| Overall dimensions  | mm   | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 |

### ■ Main Features

This series single drum vibratory rollers are heavy duty vibratory rollers. They are suitable for compaction of non-cohesive materials such as gravel, crushed stone, sand-macadam mixture, sandy soil and rock filling etc. on base course sub-base and embankment fill construction etc., which are ideal equipment for high-class highway, railway, airport, harbors, dams and large-scale industrial ground etc.

- ⊙ High powerful D6114 Water cooled turbocharged diesel engine; Engine cooling air-path structure and large capacity of fuel tank.
- ⊙ Heavy-duty gearbox; Driving axle with greater braking torque.
- ⊙ Dual amplitude setting of vibration; New types of vibration device and drum travel bearing structure.
- ⊙ Modernized style overall appearance; Driver's cabin with T type angular glasses.
- ⊙ Joint-moving mechanism of the clutch pedal with engine throttle; Adjustable instrument desk with liquid crystal instrument panel.



Unique hydraulic hose hood



Cross-shaft type articulated joint



New engine cooling air-guide system



Joint-moving mechanism of clutch pedal with engine throttle

## LSS2302/LSS2102/LSS1902/LSS1702 Single Drum Vibratory Rollers



| Model               |      | LSS2302            | LSS2102            | LSS1902            | LSS1702            |
|---------------------|------|--------------------|--------------------|--------------------|--------------------|
| Operating mass      | kg   | 23000              | 21000              | 19000              | 17000              |
| static linear load  | N/cm | 529                | 483                | 437                | 437                |
| Vibration amplitude | mm   | 2.0/1.0            | 2.0/1.0            | 2.0/1.0            | 2.0/1.0            |
| Vibration frequency | Hz   | 28/35              | 28/35              | 28/35              | 28/35              |
| Centrifugal force   | kN   | 380/300            | 360/280            | 340/260            | 320/240            |
| Max. travel speed   | km/h | 10.5               | 10.5               | 10.5               | 10.5               |
| Gradeability        | %    | 35                 | 35                 | 35                 | 35                 |
| Turning radius      | mm   | 7500               | 7500               | 7500               | 7500               |
| Drum width          | mm   | 2130               | 2130               | 2130               | 2130               |
| Drum diameter       | mm   | 1600               | 1600               | 1600               | 1600               |
| Wheelbase           | mm   | 3430               | 3430               | 3430               | 3430               |
| Ground clearance    | mm   | 445                | 445                | 445                | 445                |
| Diesel model        |      | D6114              | D6114              | D6114              | D6114              |
| Diesel power        | kW   | 132                | 132                | 132                | 132                |
| Overall dimensions  | mm   | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 | 6600 × 2300 × 3050 |

### ■ Main Features

This series single drum vibratory rollers are heavy duty vibratory rollers. They are suitable for compaction of non-cohesive materials such as gravel, crushed stone, sand-macadam mixture, sandy soil and rock filling etc. on base course sub-base and embankment fill construction etc., which are ideal equipment for high-class highway, railway, airport, harbors, dams and large-scale industrial ground etc.

- ⊙ High powerful D6114 Water cooled turbocharged diesel engine; Engine cooling air-path structure and large capacity of fuel tank.
- ⊙ Heavy-duty gearbox; Driving axle with greater braking torque.
- ⊙ Dual amplitude setting of vibration; New types of vibration device and drum travel bearing structure.
- ⊙ Modernized style overall appearance; Driver's cabin with T type angular glasses.
- ⊙ Joint-moving mechanism of the clutch pedal with engine throttle; Adjustable instrument desk with liquid crystal instrument panel.





## LSS214/LSS214B Single Drum Vibratory Rollers

| Model               |      | LSS214             | LSS214B            |
|---------------------|------|--------------------|--------------------|
| Operating mass      | kg   | 14000              | 14000              |
| static linear load  | N/cm | 325                | 325                |
| Vibration amplitude | mm   | 1.8/0.9            | 1.8/0.9            |
| Vibration frequency | Hz   | 30                 | 30                 |
| Centrifugal force   | kN   | 290/160            | 290/160            |
| Max. travel speed   | km/h | 11                 | 11                 |
| Gradeability        | %    | 35                 | 35                 |
| Turning radius      | mm   | 7000               | 7000               |
| Drum width          | mm   | 2130               | 2130               |
| Drum diameter       | mm   | 1500               | 1500               |
| Wheelbase           | mm   | 3080               | 3080               |
| Ground clearance    | mm   | 410                | 410                |
| Diesel model        |      | D4114              | LR6105Z            |
| Diesel power        | kW   | 95                 | 103                |
| Overall dimensions  | mm   | 5800 × 2290 × 2970 | 5800 × 2290 × 2970 |

### ■ Main Features

The LSS214/LSS214B rollers are heavy duty vibratory rollers. They are suitable for compaction of non-cohesive materials such as gravel, crushed stone, sand-macadam mixture, sandy soil and rock filling etc. on base course sub-base and embankment fill construction etc., which are ideal equipment for high-class highway, railway, airport, harbors, dams and large-scale industrial ground etc.

- Powerful water-cooled turbocharged diesel engine, suited for compaction work even in the areas of plateau.
- Mechanical travel drive with rear driving axle, reliable travel transmissions.
- Proper frequency and dual amplitude setting of vibration for various soils and variable course depth.
- Unique stream-line shape appearance, engine hood turned over 800 for convenience of engine maintenance.
- Comfortable and spacious operator's cab with enhanced service space. Accessible control elements to reduce down operator tiredness.



## LTD220H/LTD218H/LTD216H/LTD214H/LTD212H/LTD210H Altiplano Hydraulic Vibratory Rollers

| Model                         |      | CE LTD220H/LTD218H | CE LTD216H/LTD214H    | CE LTD212H/LTD210H |
|-------------------------------|------|--------------------|-----------------------|--------------------|
| Operating mass                | Kg   | 20000/18000        | 16000/14000           | 12000/10000        |
| Static linear load            | N/cm | 600/540            | 457/400               | 342/285            |
| Vibration amplitude(high/low) | mm   | 1.9/0.95           | (2.0/1.0)/(1.70/0.78) | 1.70/0.78          |
| Vibration frequency(high/low) | Hz   | 28/35              | (28/35)(29/35)        | 29/35              |
| Centrifugal force(high/low)   | kN   | (410/300)(395/290) | (320/260)(290/180)    | (260/160)(240/120) |
| Max. travel speed             | km/h | 11                 | 10/12                 | 12                 |
| Gradeability                  | %    | 35                 | 35                    | 35                 |
| Turning radius                | mm   | 6500               | 6500                  | 6500               |
| Overall Dimension(L × W × H)  | mm   | 6000 × 2300 × 3200 | 6000 × 2300 × 3200    | 5860 × 2280 × 3020 |
| Vibration drum width          | mm   | 2100               | 2100                  | 2100               |
| Wheelbase                     | mm   | 3160               | 3160                  | 3160               |
| Ground clearance              | mm   | 472                | 472                   | 472                |
| Diesel power                  | kW   | 132                | 110/73.5              | 73.5               |
| Diesel model                  |      | CUMMINS 6BTA5.9    | CUMMINS 6BT5.9/4BT3.9 | CUMMINS 4BT3.9     |

### ■ Main Features

LTD220H/LTD218H/LTD216H/LTD214H/LTD212H/LTD210H Hydraulic vibratory roller is manufactured according to the international advanced technology and by use of imported components from abroad. The machine is super heavy duty vibratory roller, possesses a great working mass and strong centrifugal force. It is the best compaction equipment of high quality and high effect in the largescale mechanized construction. This machine is suitable for non-cohesive materials, Such as graves, macadam, macadam-aggregate mixtures and sandy soil etc. Also it can be a good effect compaction in cohesive material, Therefore the machine an ideal equipment for expressway, mining road, embankment, seaport and industrial sites.

- Motor: 6BTA5.9/4BT3.9 turbocharged diesel engine, with rich power surplus coefficient, which comply with the operating condition above 4000 meters altitude.
- Total hydraulic pressure, total drive, frequency and radiation conversion, articulated direction change, two stepless speed changes, advanced technology; Blocking the oil supply to brake the vehicle, safe and reliable.
- Streamline outline, circular windshield glass and curvy hood form a unique style.
- Equipped with automatic fault-checking system to carry out fault diagnosis at any time(selective assembly).
- Hydraulic pump and vibrating motors are of the 90 series made by the American manufacturer SAUER or the Germany manufacturer REXROTH.





## YZ7G Single Drum Vibratory Roller

| Model                                |       | YZ7G               |
|--------------------------------------|-------|--------------------|
| Operating mass                       | kg    | 7000               |
| Static linear load                   | N/cm  | 202                |
| Vibration frequency                  | Hz    | 50                 |
| Vibration amplitude                  | mm    | 0.4                |
| Centrifugal force                    | kn    | 70                 |
| Vibration drum width                 | mm    | 1700               |
| Vibration drum diameter              | mm    | 1220               |
| Steering radius                      | mm    | 5000               |
| Gradeability                         | %     | 25                 |
| Wheelbase                            | mm    | 2750               |
| Min. ground clearance                | mm    | 320                |
| Travel speed                         | km/h  |                    |
| First Speed/ Second speed /3rd speed | km/h  | 2.2/4.7/15         |
| Tyre size                            |       | 12.00-24-16        |
| Engine model                         |       | 495AY              |
| Rated power                          | kW    | 36.75              |
| Rated speed                          | r/min | 2200               |
| Fuel tank capacity                   | L     | 110                |
| Hydraulic tank capacity              | L     | 110                |
| Sprinkler tank capacity              | L     | 300                |
| Electricity voltage                  | V     | 12V                |
| Overall dimensions(L × W × H)        | mm    | 5180 × 1880 × 2680 |

### ■ Main Features

This roller adopts the mechanical driving system, the hydraulic vibration and the articulated steering device. The complete roller is mobile and flexible. It adopts two sets of braking devices, that is, hydraulic steering handbrake and footbrake. The appearance of the roller is in conformity to the currently fashionable streamline design. The operator's driving environment is comfortable and spacious. Besides, it has a stable and reliable performance, and it is very convenient to maintain and repair. It is optional to match with a compactness meter.



## LDD212H/LDD210H/LDD208H Hydraulic Double Drum Vibratory Rollers

| Model               |      | CE LDD212H         | CE LDD210H         | CE LDD208H         |
|---------------------|------|--------------------|--------------------|--------------------|
| Operating mass      | kg   | 12000              | 10000              | 8000               |
| static linear load  | N/cm | 286                | 235                | 210                |
| Vibration amplitude | mm   | 0.74/0.35          | 0.74/0.35          | 0.67/0.35          |
| Vibration frequency | Hz   | 40/50              | 40/50              | 40/50              |
| Centrifugal force   | kN   | 150 × 2/99 × 2     | 115 × 2/85 × 2     | 90 × 2/69 × 2      |
| Travel speed range1 | Km/h | 0-6.5              | 0-6.5              | 0-6                |
| Travel speed range2 | Km/h | 0-13.0             | 0-13.0             | 0-12               |
| Max. travel speed   | km/h | 13                 | 13                 | 12                 |
| Gradeability        | %    | 40                 | 40                 | 40                 |
| Turning radius      | mm   | 7000               | 7000               | 7000               |
| Drum width          | mm   | 2130               | 2130               | 1870               |
| Drum diameter       | mm   | 1350               | 1250               | 1150               |
| Wheelbase           | mm   | 3420               | 3368               | 3340               |
| Ground clearance    | mm   | 350                | 320                | 300                |
| Diesel model        |      | Cummins4BTA3.9     | Cummins4BTA3.9     | Cummins4BTA3.9     |
| Diesel power        | kW   | 93                 | 93                 | 93                 |
| Overall dimensions  | mm   | 5440 × 2350 × 2995 | 5080 × 2350 × 2945 | 5080 × 2160 × 2850 |

### ■ Main Features

This series hydraulic double drum vibratory rollers are manufactured according to international advanced technology and key components are imported, suitable for compaction of various stabilized soils, bituminous concrete and rolling cement concrete (RCC) on road surface construction, also for compaction of road base course, which are universal compaction equipments for high-class highway, airport, harbors, dams, municipal road and industrial ground.

- Imported COMMINS B series water cooled diesel engine with rich power surplus.
- Hydrostatic all-drum travel drive by imported hydraulic motors at two range infinitely variable speeds.
- Dual frequency and amplitudes vibration system with imported piston pump and motors.
- Center articulated steering with crabwalk unit for flexible maneuverability.
- Integrated multi-disc wet brake with oil-cutoff braking for reliable safety.
- Beautiful streamline shape appearance and front mounted operator's platform for excellence sight.
- Comfortable and spacious operator's cab with dual steering wheels and seats for convenient operations.
- Electric power sprinkler system with large capacity reinforced polyethylene water tank.



Driving plate design of flower-pattern, exchangeable rubber dampers



Import hydraulic motor with integrated brake



Articulated steering with unique crab mechanism



Spacious operator's cab with dual side control





## YZC12/YZC8 Hydraulic Double Drum Vibratory Rollers

| Model                                         | YZC12                 | YZC8               |
|-----------------------------------------------|-----------------------|--------------------|
| <b>Engine</b>                                 |                       |                    |
| Model                                         | F6L912                | F4L912             |
| Rated power/<br>rotational speed              | r/min 82.4 kW/2300    | 51 kW/2300         |
| <b>Weight</b>                                 |                       |                    |
| Operating weight<br>(with driver's cab)       | kg 12000              | 8000               |
| Allocated mass to<br>front wheels/rear wheels | kg 6000/6000          | 4000/4000          |
| <b>Vibration</b>                              |                       |                    |
| Amplitude of vibration                        | mm 0.74/0.35          | 0.67/0.34          |
| Frequency of vibration                        | Hz 40/50              | 45/55              |
| Exciting force                                | kN 125 × 2/99 × 2     | 90 × 2/69 × 2      |
| <b>Transmission</b>                           |                       |                    |
| Speed 1 (front / rear)                        | km/h 6.9              | 6.5                |
| Speed 2 (front / rear)                        | km/h 13.8             | 13                 |
| Gradeability                                  | % 30/40               | 30/45              |
| <b>Machine specification</b>                  |                       |                    |
| Inside turning radius                         | mm 4250               | 4387               |
| Outside turning radius                        | mm 6350               | 6120               |
| Steering angle                                | 36°<br>8°             |                    |
| Swinging angle                                |                       |                    |
| Ground clearance                              | mm 340                | 350                |
| Axle base                                     | mm 3095               | 2638               |
| <b>Machine dimensions</b>                     |                       |                    |
| L × W × H                                     | mm 4800 × 2300 × 2920 | 3680 × 1930 × 2850 |
| Vibration wheel width                         | mm 2100               | 1930               |
| Vibration wheel diameter                      | mm 1250               | 1050               |
| Rim thickness of the<br>vibration wheel       | mm 22                 | 20                 |
| <b>Refilling capacities</b>                   |                       |                    |
| Fuel tank capacity                            | L 220                 | 125                |
| Hydraulic oil tank capacity                   | L 150                 | 70                 |



### ■ Main Features

The YZC12 tandem vibratory roller is of fully hydraulic dual driving, tandem steel-wheel vibration, and variable frequency and variable amplitude. It adopts the imported German DEUTSCH engine. It adopts the American SUNDSTRAND series products as the travel pump, vibration pump and vibration motor and the French POCLAIN low speed high torque motor for travel, which are equivalent to the BOMAG BW202AD. Its operating mass is 12 tons.

The YZC8 tandem vibratory roller is of fully hydraulic dual driving, tandem steel-wheel vibration, and variable frequency and variable amplitude. It adopts the imported German DEUTSCH engine. It adopts the American SUNDSTRAND series products as the travel pump and the vibration pump and the German REXROTH series motors for travel and vibration, which are equivalent to the BOMAG BW151AD. Its operating mass is 8 tons.

## LDD314H/312H/310HW/310H/308H Hydraulic Double Drum Vibratory Rollers

| Model                           |      | LDD314H            | LDD312H            | LDD310HW           | LDD310H            | LDD308H            |
|---------------------------------|------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Operating mass                  | kg   | 14000              | 12000              | 10500              | 10000              | 8000               |
| Front module mass               | kg   | 7000               | 6000               | 5250               | 5000               | 4000               |
| Rear module mass                | kg   | 7000               | 6000               | 5250               | 5000               | 4000               |
| Static linear load              | N/cm | 329                | 282                | 246                | 294                | 235                |
| Vibration amplitude             | mm   | 0.74/0.35          | 0.74/0.35          | 0.72/0.32          | 0.74/0.35          | 0.67/0.34          |
| Vibration frequency             | Hz   | 40/55              | 40/55              | 35/55              | 35/55              | 35/55              |
| Centrifugal force               | kN   | 175 × 2/110 × 2    | 150 × 2/95 × 2     | 125 × 2/85 × 2     | 125 × 2/85 × 2     | 105 × 2/65 × 2     |
| Speed                           | km/h | 0-6.5, 0-13.0      | 0-6.5, 0-13        | 0-6, 0-12          | 0-6, 0-12          | 0-6, 0-12          |
| Gradeability                    | %    | 35                 | 35                 | 35                 | 35                 | 35                 |
| Gradeability(without vibration) | %    | 40                 | 40                 | 40                 | 40                 | 40                 |
| Turning radius                  | mm   | 7000               | 7000               | 7000               | 7000               | 7000               |
| Vibration Drum width            | mm   | 2130               | 2130               | 2130               | 1700               | 1700               |
| Vibration Drum diameter         | mm   | 1300               | 1300               | 1250               | 1250               | 1050               |
| Crab working width              | mm   | 170                | 170                | 170                | 100                | 100                |
| Wheelbase                       | mm   | 3590               | 3590               | 3420               | 3420               | 3420               |
| Ground clearance                | mm   | 350                | 350                | 320                | 320                | 320                |
| Diesel engine model             | mm   | Cummins6BT5.9      | Cummins6BT5.9      | Cummins4BT3.9      | Cummins4BT3.9      | Cummins4BT3.9      |
| Diesel engine power             | kW   | 110                | 110                | 75                 | 75                 | 75                 |
| Rotate speed                    | RPM  | 2200               | 2200               | 2200               | 2200               | 2200               |
| Overall dimension               | mm   | 4890 × 2240 × 3120 | 4890 × 2240 × 3120 | 4670 × 2240 × 3070 | 4670 × 1790 × 3070 | 4470 × 1790 × 2970 |

### ■ Main Features

These hydraulic double drum vibratory rollers are manufactured according to international advanced technology and by use of imported main components abroad, suitable for compaction of various stabilized soils, bituminous concrete and rolling cement concrete (RCC) on road surface construction, also for compaction of road base course, which are universal compaction equipments for high-class highway, airport, harbors, dams, municipal road and industrial ground.

○Famous CUMMINS turbocharged, water-cooled diesel engine .It is equipped with cooling-air path structure. CUMMINS diesel engine with the Tier II or III emission standards is optional.

○Hydrostatic all-drum travel drive by the hydraulic motors at dual-gears infinitely variable speed. The two drums transmissions are intercrossed for more reasonable weight distribution, realizing higher compaction quality in operation.

○Dual frequency and amplitudes vibration system may obtain optimal compaction for different quality and course materials. The vibrating valve may reach three vibration modes, single drum vibrating, double drum vibrating and static compacting etc.

○Hydraulic power steering system and also can be used for handed steering. Standard-equipped crab travel mechanism assuring bending-road and road-edge compaction. Service brake with self-lock function of the hydraulic closed circuit is applied simultaneously with the parking brake for reliability and prompt.

○Large diameter of compaction drum reduces heaped material and wave for improved compaction smoothness. Large clearance of drum support fork helps effective compaction at road edge and crib corner.



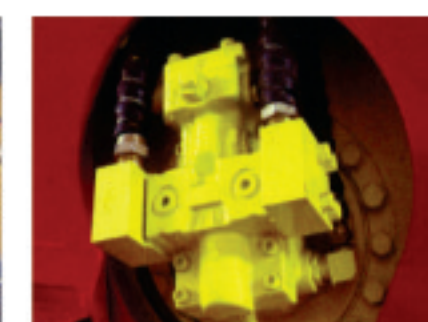
International famous vibration motor



Rotational operation table



International famous pump



International famous travel motor





## HDD630 Full hydraulic road roller

| Model                               |       | HDD630             |
|-------------------------------------|-------|--------------------|
| Operating mass                      | kg    | 3000               |
| Front module mass/ rear module mass | kg    | 1550/1450          |
| Static linear load Front wheel/F    | N/cm  | 119                |
| Static linear load Rear wheel/R     | N/cm  | 112                |
| Water tank capacity                 | L     | 110                |
| Fuel tank capacity                  | L     | 70                 |
| Hydraulic fuel tank capacity        | L     | 80                 |
| Steering radius                     | mm    | 5000               |
| Grade ability                       | %     | 30                 |
| Vibration amplitude                 | mm    | 0.45               |
| Vibration frequency                 | Hz    | 57                 |
| Turning angle                       | mm    | ± 30°              |
| Vibration drum diameter             | mm    | 700                |
| Vibration drum width                | mm    | 1300               |
| Vibration drum shell thickness      | mm    | 12                 |
| Swing angle                         | mm    | ± 7°               |
| Wheelbase                           | mm    | 1948               |
| Overall dimensions(L × W × H)       | mm    | 2650 × 1380 × 2540 |
| Min. ground clearance               | mm    | 220                |
| Diesel engine model                 |       | KUBOTA D1703       |
| Diesel engine rated power           | kw    | 26                 |
| Diesel engine rated speed           | r/min | 2600               |
| Driving pump                        |       | SAUER-SUNDSTRAND   |
| Driving speed                       | km/h  | 0-9                |



### ■ Main Features

It adopts the diesel engine made by the Japanese KUBOTA Corporation, which is imported with original packaging. It adopts the SAUER-SUNDSTRAND travel pump, which is imported from the United States with original packaging. It adopts the REXROTH travel motor, which is imported from Germany with original packaging. Besides, it adopts the shaft-coupler made by the German CENTA.

It can be driven by front wheel and rear wheel. It can realize front wheel vibration and front rear wheel vibration simultaneous. It is equipped with an emergency shutdown system to guarantee the safety of its traveling. The engine hood can tilt upward by 45 degrees, thus convenient for repair and maintenance. The wheel side exceeds the vehicle body's width, ensuring a good side-compacting performance. It is also equipped with an electrically controlled water-sprinkling system, which will sprinkle water evenly.

## YZC2.5/YZC3 Double Drum hydraulic road roller series

| Model                                |       | YZC2.5             | YZC3               |
|--------------------------------------|-------|--------------------|--------------------|
| Operating mass                       | kg    | 2500               | 3000               |
| Front module mass / Rear module mass | kg    | 1080/1420          | 1280/1720          |
| Front wheel static linear load       | N/cm  | 120                | 128                |
| Rear wheel static linear load        | N/cm  | 157.8              | 172                |
| Centrifugal force                    | kN    | 25                 | 30                 |
| Vibration frequency                  | Hz    | 50                 | 50                 |
| Vibration drum width                 | mm    | 900                | 1000               |
| Vibration drum diameter              | mm    | 750                | 800                |
| Min. steering radius                 | mm    | 4300               | 4600               |
| Gradeability                         | %     | 20                 | 20                 |
| Wheelbase                            | mm    | 1980               | 2100               |
| First speed/Second speed             | km/h  | 2/5.6              | 2.2/6.3            |
| Engine model                         |       | CZ380Q             | CA385Q             |
| Rated power                          | kW    | 14.7               | 21                 |
| Rated speed                          | r/min | 2200               | 2400               |
| Electricity voltage                  | V     | 12                 | 12                 |
| Overall dimensions(L × W × H)        | mm    | 2765 × 1060 × 2550 | 2900 × 1250 × 2600 |
| Sprinkler tank capacity              | L     | 100                | 100                |
| Fuel tank capacity                   | L     | 70                 | 70                 |

### ■ Main Features

These units adopt the mechanical running system, the hydraulic vibration, and the hydraulically articulated steering device. It prefers the top-quality highly efficient Changchai CZ380Q/CZ385Q engine, whose power output is 14.7/21kW. There are mud-scraping and water-sprinkling devices on both front and rear wheels. The roller have a compact structure and small size. Therefore, operation is convenient and flexible. Are optional to match a pallet truck and a compactness meter.





## YZC6B/YZC5/YZC4 Double Drum Vibratory Rollers

| Model                                |       | YZC4               | YZC5               | YZC6B              |
|--------------------------------------|-------|--------------------|--------------------|--------------------|
| Operating mass                       | kg    | 4000               | 5000               | 6000               |
| Front module mass / Rear module mass | kg    |                    |                    | 3600/2400          |
| Front wheel static linear load       | N/cm  | 164                | 220                | 288                |
| Rear wheel static linear load        | N/cm  | 200                | 180                | 192                |
| Centrifugal force                    | kN    | 40                 | 50                 | 60                 |
| Vibration frequency                  | Hz    | 54                 | 45                 | 50                 |
| Vibration drum width                 | mm    | 1100               | 1250               | 1250               |
| Vibration drum diameter              | mm    |                    |                    | 950                |
| Min. steering radius                 | mm    | ≤5000              | ≤5000              | ≤6000              |
| Grade ability                        | %     | 20                 | 20                 | 20                 |
| Wheelbase                            | mm    | 2220               | 2480               | 2479               |
| Working speed                        | km/h  |                    |                    |                    |
| First Speed/Second speed             | km/h  | 2.2/6.5            | 2.3/6.3            | 2.5/7              |
| Engine model                         |       | N390               | N485               | ZN490Q             |
| Rated power                          | kW    | 22                 | 27                 | 33.5               |
| Rated speed                          | r/min | 2400               | 2500               | 2600               |
| Electricity voltage                  | V     | 12                 | 12                 | 12                 |
| Overall dimensions(L × W × H)        | mm    | 3120 × 1410 × 2730 | 3430 × 1480 × 2730 | 3460 × 1480 × 2730 |
| Sprinkler tank capacity              | L     | 100                | 100                | 130                |
| Fuel tank capacity                   | L     | 70                 | 70                 | 70                 |

### ■ Main Features

The YZC6B two-wheel tandem vibratory roller is a kind of mechanically driven hydraulic vibratory roller which is manufactured by our company in accordance with advanced foreign technologies and on the basis of selecting top-quality domestic critical parts and components. This roller has many advantages, such as strong engine power output capacity, large power output reserve capacity, wide rolling wheel, high operation efficiency, and novel design.

1. The front wheels are hydraulic vibration while the rear wheels are mechanically driven.
2. It adopts the Changchai ZN490Q diesel engine, which is outstanding in performance and easy to start.
3. The rear wheels adopt the gear transmission driving mode, which is safe and reliable.
4. It is extremely convenient to service and maintenance.
5. The master clutch is of single-plate open normally engaged type. The transmission torque is large and performance is reliable.
6. It adopts the hydraulic centrally articulated steering device, which is convenient and flexible to operate.
7. The master clutch is operated by oil booster mode. The footbrake is controlled by a flexible shaft, which is convenient and flexible to operate.
8. The width of the front and rear rolling wheels is 1,250mm, thus guaranteeing high operation efficiency.



## YZC10G/YZC12G Double Drum Vibratory Rollers

| Model                               |       | YZC12G             | YZC10G             |
|-------------------------------------|-------|--------------------|--------------------|
| Operating mass                      | kg    | 12000              | 10000              |
| Front module mass/ rear module mass | kg    | 5400/6600          | 4500/5500          |
| Static linear load Front wheel      | N/cm  | 277                | 265                |
| Static linear load Rear wheel       | N/cm  | 338                | 323                |
| Water tank capacity                 | L     | 2 × 450            | 2 × 280            |
| Fuel tank capacity                  | L     | 120                | 120                |
| Hydraulic fuel tank capacity        | L     | 120                | 120                |
| Steering radius                     | mm    | 6000               | 6000               |
| Gradeability                        | %     | 30                 | 30                 |
| Vibration amplitude                 | mm    | 0.35               | 0.35               |
| Vibration frequency                 | Hz    | 48                 | 50                 |
| Turning angle                       | mm    | ± 30°              | ± 30°              |
| Vibration drum diameter             | mm    | 1300               | 1260               |
| Vibration drum width                | mm    | 1950               | 1700               |
| Vibration drum shell thickness      | mm    | 20                 | 20                 |
| Wheelbase                           | mm    | 3240               | 3150               |
| Overall dimensions(L × W × H)       | mm    | 5540 × 2206 × 3000 | 5390 × 2030 × 2980 |
| Min. ground clearance               | mm    | 350                | 350                |
| Diesel engine model                 |       | CUMMINS EQ4BT3.9   | CUMMINS EQ4BT3.9   |
| Diesel engine rated power           | kW    | 80                 | 60                 |
| Diesel engine rated speed           | r/min | 2000               | 2000               |
| Driving speed                       | km/h  | 0-5.5              | 0-5.5              |

### ■ Main Features

This units adopt the mechanical driving system, the hydraulic vibration and the hydraulic steering device. The driver's cab is spacious and comfortable, and there are double driver's seats and double steering wheels. There are front and rear electric water-sprinkling devices. The Cummins diesel engine, which is low in specific fuel consumption and good in performance. They have a reliable performance and the best function/price ratio.





## LTC3B/LTC2.5B/LTC2B Double Drum Vibratory Rollers

| Model                        |      | LTC3B              | LTC2.5B            | LTC2B              |
|------------------------------|------|--------------------|--------------------|--------------------|
| Operating mass               | kg   | 3000               | 2500               | 2000               |
| Static linear load           | N/cm | 128/172            | 115/163            | 105/150            |
| Vibration frequency          | Hz   | 50                 | 50                 | 50                 |
| Centrifugal force            | kN   | 30                 | 28                 | 25                 |
| Travel speed                 | km/h | 5.6                | 5.6                | 5.6                |
| Gradeability                 | %    | 20                 | 25                 | 30                 |
| Turning radius               | mm   | 4600               | 4000               | 4000               |
| Overall Dimension(L × W × H) | mm   | 2970 × 1320 × 2700 | 2970 × 1320 × 2700 | 2970 × 1320 × 2700 |
| Vibration drum width         | mm   | 1000               | 900                | 900                |
| Wheelbase                    | mm   | 2100               | 2100               | 2000               |
| Diesel power                 | kW   | 21                 | 21                 | 21                 |
| Diesel model                 |      | ZN385Q             | ZN385Q             | ZN385Q             |

### ■ Main Features

LTC3B、LTC2.5B and LTC2B double steel-wheeled vibratory roller is applicable for maintenance of municipal roads and highways, as well as the compaction of the narrow road surfaces such as groove foundation with width above 1.1m, building construction, pipeline backfill and stadium.

- Mechanical movement, hydraulic vibration, hydraulic rotation, with reliable performance and optimum function/price ratio;
- Both front and rear wheels have scraping and water spray unit;
- Adopt N385Q diesel engine, very convenient for use and maintenance;
- Compact integral structure, small volume, capable of used for compaction on narrow site.



## LRS226H/YL16G Hydraulic Pneumatic Tire Rollers

| Model                          |        | LRS226H            | CE YL16G           |
|--------------------------------|--------|--------------------|--------------------|
| Max. operating mass            | kg     | 26000              | 16000              |
| Min. operating mass            | kg     | 16000              | 9000               |
| Max. travel speed              | km/h   | 20                 | 15                 |
| Tire number                    |        | 5+6                | 4+5                |
| Tire contact pressure          | kPa    | 250-420            | 150-300            |
| Turning radius                 | mm     | 7710               | 7500               |
| Rolling width                  | mm     | 2790               | 2290               |
| Wheel overlap                  | mm     | 40                 | 40                 |
| Gradeability                   | %      | 20                 | 20                 |
| Diesel model                   |        | Cummins6BT5.9      | Cummins4BT3.9      |
| Diesel power                   | kW     | 110                | 75                 |
| Diesel speed                   | r/min. | 2200               | 2400               |
| Overall dimensions(with cabin) | mm     | 4874 × 2790 × 3103 | 4770 × 2290 × 3162 |

### ■ Main Features

This series rollers are pneumatic smooth-tire rollers. They are suitable for compaction of various cohesive and non-cohesive materials such as sandy soil, crushed stone, stabilized soils, bituminous concrete and rolling cement concrete (RCC) on road surface construction, especially for final compaction of asphalt surface on high-class highway, which are super quality compaction equipments for high-class highway, airport, municipal road and industrial ground.

- Powerful CUMMINS B series diesel engine for various working conditions.
- Hydrostatic travel drive with imported hydraulic pump and motor at two-range infinitely variable speeds results in less shock to road surface.
- Operating weight and ground contact pressure can be adjusted by filling water or wet sand with greater adjusting scope.
- Power sprinkler system with corrosion free materials and reinforced polyethylene water tank and multi-stage water filters for reliable operation.
- Unique, beautiful and compact appearance design.
- Spacious and closed operator's cab with ventilating and air conditioning devices (optional).



Stream-shape appearance build



Hydraulic driving system



New wheel scraper and sprinkler system



Good control view





## LRS2030/LRS1626/LRS1016 Pneumatic Tire Rollers

| Model                                        |       | LRS2030            | LRS1626            | LRS1016            |
|----------------------------------------------|-------|--------------------|--------------------|--------------------|
| <b>Engine</b>                                |       |                    |                    |                    |
| Model                                        |       | 6BTA 5.9           | 6BTA 5.9           | 4BT3.9             |
| Rated power/rotational speed                 | r/min | 127 kW / 2200      | 110 kW / 2300      | 75 kW / 2400       |
| <b>Weight</b>                                |       |                    |                    |                    |
| Operating weight (with driver's cab)         | kg    | 20000-30000        | 16000 - 26000      | 10000 - 16000      |
| Allocated mass to front wheels / rear wheels | kg    | 13500/16500        | 11700/14300        | 7200/8800          |
| <b>Transmission</b>                          |       |                    |                    |                    |
| Speed 1 (front / rear)                       | km/h  | 4.22               | 4.8                | 4.7                |
| Speed 2 (front / rear)                       | km/h  | 6.98               | 9.5                | 8.0                |
| Speed 3 (front / rear)                       | km/h  | 12.5               | 20.2               | 14                 |
| Speed 4 (front / rear)                       | km/h  | 20.75              | -                  | -                  |
| Gradeability                                 | %     |                    | 20                 |                    |
| <b>Tyres</b>                                 |       |                    |                    |                    |
| Tyre quantity (front+rear)                   |       | 5+6                | 5+6                | 4+5                |
| Tyre specifications                          |       | 11.00-20.00        | 11.00-20.16        | 11.00-20.16        |
| Tyre inflation pressure                      | kPa   | 350-800            | 350-800            | 200-800            |
| Average specific ground pressure             | kPa   | 383-460            | 250 - 420          | 150-300            |
| Single tyre load                             | kg    | 2727               | 2360               | 1778               |
| Tyre overlay width                           | mm    |                    | 40                 |                    |
| Front wheel vertical float                   | mm    |                    | ± 100              |                    |
| <b>Machine specification</b>                 |       |                    |                    |                    |
| Rolling width                                | mm    | 2790               | 2790               | 2290               |
| Inside turning radius                        | mm    |                    | 5210               |                    |
| Outside turning radius                       | mm    | 8000               | 8000               | 7500               |
| Axle base                                    | mm    | 3800               | 3800               | 3630               |
| Wheel track                                  | mm    |                    | 500                |                    |
| <b>Machine dimensions</b>                    |       |                    |                    |                    |
| L × W × H                                    | mm    | 4874 × 2790 × 3103 | 4874 × 2790 × 3103 | 4770 × 2290 × 3162 |
| <b>Refilling capacities</b>                  |       |                    |                    |                    |
| Fuel tank capacity                           | L     | 320                | 320                | 240                |
| Sprinkler tank capacity                      | L     | 530                | 1600               | 480                |

### ■ Main Features

The LRS2030 adopts a humanistic design, equipped with a luxurious and wide field-of-view cab, and also equipped with an air conditioner, all this makes the operation comfortable. It adopts the CUMMINS 6BTA diesel engine, providing strong power and making the machine suitable for various bad working conditions. It has a double-set adjustable instrument stands and operating mechanisms. The instrument stands can move sideward and up and down to fit the operator's position. The left and right operating positions have their own operating mechanisms, whose functions are identical, making the operation of the vehicle very convenient and safe. The foot brake functions by the air pushing oil, while the hand brake functions by the shutoff of the air, therefore the vehicle's driving and operation is very convenient and safe. The front fiberglass reinforced plastic sprinkler tank and the multilevel sprinkling filtering system can guarantee the reliable working of the vehicle. There are four forward and four reverse gears for speed changes, which can adapt to the traveling requirements of various working conditions.

LRS1016 mechanical driving, equipped with slick tyres whose inflation pressure adjustable. CUMMINS engine, providing strong power. Operating weight 10-16 tons.



Imported sprinkler electric pump



Spacious operator's cab with dual side control



Full floating compacting front wheel



Compact structure with lower gravity center



## YSZ08DB-1/YSZ08DB/YSZ06B Pedestrian Rollers

| Model                         |       | YSZ08DB-1         | YSZ08DB           | YSZ06B            |
|-------------------------------|-------|-------------------|-------------------|-------------------|
| Operating mass                | kg    | 770               | 780               | 735               |
| Static linear load            | N/cm  | 46/73             | 46/73             | 46/73             |
| Vibration amplitude           | mm    | 0.25              | 0.25              | 0.25              |
| Vibration frequency           | Hz    | 48                | 48                | 48                |
| Centrifugal force             | kN    | 12                | 12                | 12                |
| Travel speed                  | km/h  | 2.5               | 2.5               | 2.5               |
| Grade ability                 | %     | 40                | 40                | 40                |
| Steering angle                | °     | 30                | 30                | 30                |
| Turning radius                | mm    | 2700              | 2700              | 2700              |
| Wheelbase                     | mm    | 470               | 470               | 470               |
| Min. Ground clearance         | mm    | 275               | 275               | 275               |
| Overall dimensions(L × W × H) | mm    | 2330 × 795 × 1050 | 2500 × 795 × 1050 | 2500 × 795 × 1050 |
| Drum width                    | mm    | 600               | 600               | 600               |
| Drum diameter                 | mm    | 405               | 405               | 405               |
| Drum shell thickness          | mm    | 12                | 12                | 12                |
| Packing case (L × W × H)      | mm    | 1800 × 950 × 1330 | 1800 × 950 × 1330 | 1800 × 950 × 1330 |
| Gross weight                  | kg    | 950               | 950               | 950               |
| Diesel engine model           |       | CF186F            | R180AD            | R175AN            |
| Diesel engine power           | kW    | 5.68              | 5.15              | 3.7               |
| Diesel engine speed           | r/min | 2600              | 2600              | 2600              |
| Fuel tank capacity            | L     | 5                 | 5                 | 5                 |
| Sprinkler tank capacity       | L     | 30                | 30                | 35                |

### ■ Main Features

YSZ08DB-1 pedestrian roller:

- The roller adopts the mechanical double-drum driving mode, thus having a large gradeability.
- The structure is compact and the size is small, and thus it can be used for the compaction operations on narrow sites.
- It adopts the CF186F vertical direct-injection wind-cooled diesel engine.
- It has two sets of starting device, electric and hand-operated starting devices.

YSZ06B Walking Behind Vibratory Rollers:

- The overall structure of the roller is compact and it has a small size, thus suitable for the compaction operations on narrow yard sites.
- It is driven by all the drums and thus has a strong gradeability. The YSZ06B roller has a guide wheel and a control lever, thus saving much labor in steering.





## YSZ08DC-1/YSZ06C Pedestrian Rollers

| Model                         |       | YSZ08DC-1         | YSZ06C            |
|-------------------------------|-------|-------------------|-------------------|
| Operating mass                | kg    | 880               | 860               |
| Static linear load            | N/cm  | 46/73             | 46/73             |
| Vibration amplitude           | mm    | 0.25              | 0.25              |
| Vibration frequency           | Hz    | 48                | 48                |
| Centrifugal force             | kN    | 12                | 12                |
| Travel speed                  | km/h  | 2.5               | 2.5               |
| Grade ability                 | %     | 40                | 40                |
| Steering angle                | °     | 30                | 30                |
| Turning radius                | mm    | 3900              | 3900              |
| Wheelbase                     | mm    | 470               | 470               |
| Min. Ground clearance         | mm    | 275               | 275               |
| Overall dimensions(L × W × H) | mm    | 2050 × 795 × 1280 | 2050 × 795 × 1280 |
| Drum width                    | mm    | 600               | 600               |
| Drum diameter                 | mm    | 405               | 405               |
| Drum shell thickness          | mm    | 12                | 12                |
| Packing case (L × W × H)      | mm    | 2280 × 950 × 1465 | 2280 × 950 × 1465 |
| Gross weight                  | kg    | 1200              | 1200              |
| Diesel engine model           |       | CF186F            | R175AN            |
| Diesel engine power           | kW    | 5.68              | 3.7               |
| Diesel engine speed           | r/min | 2600              | 2600              |
| Fuel tank capacity            | L     | 5                 | 5                 |
| Sprinkler tank capacity       | L     | 30                | 35                |

### ■ Main Features

YSZ08DC-1 pedestrian roller:

◎The roller adopts the mechanical double-drum driving mode, thus having a large gradeability.

◎The structure is compact and the size is small, and thus it can be used for the compaction operations on narrow sites.

◎It adopts the CF186F vertical direct-injection wind-cooled diesel engine.

◎It has two sets of starting device, electric and hand-operated starting devices.

YSZ06C Walking Behind Vibratory Rollers:

◎The overall structure of the roller is compact and it has a small size, thus suitable for the compaction operations on narrow yard sites.

◎It is driven by all the drums and thus has a strong gradeability.



## YSZ025 Pedestrian Roller

| Model                  |      | YSZ025           |
|------------------------|------|------------------|
| Operating mass         | kg   | 245              |
| Centrifugal force      | kN   | 8.5              |
| Travel speed           | km/h | 0-2.4            |
| Gradeability           | %    | 25               |
| Overall dimensions     | mm   | 1460 × 630 × 980 |
| Diesel engine model    |      | EY20-3D          |
| Rated power            | kW   | 2.61             |
| Rated rotational speed | rpm  | 3600             |
| Gas tank capacity      | L    | 3.8              |

### ■ Main Features

◎It adopts the highly efficient Japanese Robin EY20-3D gasoline engine, the totally enclosed hydraulic driving device, and the stepless speed changing mode.

◎It is large in power output reserve, reliable performance, stable quality, and low specific fuel consumption.

◎It adopts the adjustable handles, which make it handy and convenient to operate the roller.

◎The operating handle integrates the forward and reverse throttle and the start-oscillation, thus suitable for repair various kinds of roads and for the rolling of road shoulders, pavements, stadiums, and garden lawns as well as for the compaction operations conducted on narrow sites.



## LTC08/LTC06 Pedestrian Rollers

| Model                        |      | LTC08             | LTC06             |
|------------------------------|------|-------------------|-------------------|
| Operating mass               | kg   | 770               | 735               |
| Static linear load           | N/cm | 46/73             | 35/55             |
| Vibration amplitude          | mm   | 0.25              | 0.25              |
| Vibration frequency          | Hz   | 48                | 48                |
| Centrifugal force            | kN   | 12                | 12                |
| Travel speed                 | km/h | 2.5               | 2.5               |
| Gradeability                 | %    | 40                | 40                |
| Turning radius               | mm   | 2700              | 2700              |
| Overall Dimension(L × W × H) | mm   | 2450 × 820 × 1030 | 2450 × 820 × 1030 |
| Vibration drum width         | mm   | 600               | 600               |
| Wheelbase                    | mm   | 470               | 470               |
| Diesel power/ model          |      | 5.68kW/CF186F     | 5.68kW/CF186F     |

### ■ Main Features

LTC08 & LTC06 manual vibrating road roller can be used for municipal road construction, highway maintenance, and rolling work at narrow road surface, such as foundation of groove wider than 0.8m, building construction, backfilling for pipeline and gymnasium ground.

◎The whole machine has a nice shape, compact structure and small size; it can be work in narrow ground;

◎All wheel drive, strong climbing capability;

◎Using CF186F vertical direct-spray air-cooled engine, with both electrical and manual startup devices;

◎Designed with guide wheel and joystick, it is labor saving and easy to control.





## 2Y6X8B ( D ) /2Y8X10B ( D ) Static Rollers

| Model                              |       | 2Y8X10B            | 2Y6X8B             |
|------------------------------------|-------|--------------------|--------------------|
| Operating mass                     | kg    | 8000-10000         | 6000-8000          |
| Front module mass/Rear module mass | kg    | 3800/6200          | 2900/5100          |
| Front wheel static linear load     | N/cm  | 230/310            | 177/237            |
| Rear wheel static linear load      | N/cm  | 410/500            | 294/410            |
| Front drum width/ Reardrum width   | mm    | 1270/1270          | 1270/1270          |
| Drum diameter                      | mm    | 1320               | 1320               |
| Min. steering radius               | mm    | 6500               | 6500               |
| Grade ability                      | %     | 20                 | 20                 |
| Wheelbase                          | mm    | 3150               | 3150               |
| Working speed                      | km/h  |                    |                    |
| First Speed/ Second speed          | km/h  | 2.0/4.0            | 2.0/4.0            |
| Engine model                       |       | 495AY(4BT3.9-C60)  | 495AY(4BT3.9-C60)  |
| Rated power                        | kW    | 36.75(60KW)        | 36.75(60KW)        |
| Rated speed                        | r/min | 2000               | 2000               |
| Electricity voltage                | V     | 12                 | 12                 |
| Overall dimensions(L × W × H)      | mm    | 4500 × 1580 × 2660 | 4500 × 1580 × 2660 |
| Sprinkler tank capacity            | L     | 100                | 100                |
| Fuel tank capacity                 | L     | 100                | 100                |

### ■ Main Features

The steering hand-wheel is of the frame type, low center of gravity and its stability is good. The vehicle body's front part is narrow, thus the steering field of vision is good. It has two seats and two steering wheels. Its side compacting capacity is good. It is equipped with water sprinkling devices. The surface of the front and rear wheels can sprinkle evenly. It is optional to install a Cummins diesel engine.



## 2Y8 × 10C/2Y6 × 8C/2YJ8 × 10/2YJ6 × 8 Two Wheel Static Rollers

| Model                          |      | 2Y8 × 10C          | 2Y6 × 8C           | 2YJ8 × 10          | 2YJ6 × 8           |
|--------------------------------|------|--------------------|--------------------|--------------------|--------------------|
| Operating mass                 | Kg   | 8000/10000         | 6000/800           | 8000/10000         | 6000/8000          |
| Front linear load              | N/cm | 230/285            | 171/230            | 242/303            | 182/242            |
| Rear linear load               | N/cm | 343/429            | 257/343            | 343/429            | 257/343            |
| Travel speed                   | km/h |                    |                    |                    |                    |
| 1st gear                       |      | 2.62               | 2.62               | 2.62               | 2.62               |
| 2nd gear                       |      | 5.18               | 5.18               | 5.18               | 5.18               |
| 3rd gear                       |      | 10.3               | 10.3               | 10.3               | 10.3               |
| Gradeability                   | %    | 20                 | 20                 | 20                 | 20                 |
| Turning radius(inside/outside) | mm   | 5165/6565          | 5165/6565          | 5050/6450          | 5050/6450          |
| Overall Dimension(L × W × H)   | mm   | 4500 × 1710 × 2760 | 4500 × 1850 × 2760 | 4400 × 1750 × 2550 | 4400 × 1750 × 2550 |
| Wheelbase                      | mm   | 3150               | 3150               | 3150               | 3150               |
| Ground clearance               | mm   | 320                | 320                | 320                | 320                |
| Diesel power/model             |      | 42kW/4100AY        | 42kW/4100AY        | 42kW/4100AY        | 42kW/4100AY        |

### ■ Main Features

2Y8 × 10C、2Y6 × 8C、2YJ8 × 10、2YJ6 × 8 TANDEM ROLLER is mostly suitable for flattening and compacting surfaces of the roads including hornblende, broken stone, asphalt and concrete ones. It can be also used for compaction based of roads. Articulated connection and flexible steering. It adopted the hydraulic braking, safe and dependable. The nose of the roller is narrow with an excellent turning sight.

- ⊙ Articulated connection and flexible steering. It adopted the hydraulic braking, safe and dependable.
- ⊙ There is simple chair in the cab and single steering wheel. It has good capacity of stitching hems.
- ⊙ The nose of the roller is narrow with an excellent turning sight.
- ⊙ A sprinkling set is equipped for evenly sprinkling water on the surfaces of both front and rear drums.





## LGS1822B Three Wheel Static Roller

| Model                     |      | LGS1822B           |
|---------------------------|------|--------------------|
| Max. operating mass       | kg   | 22000              |
| Min. operating mass       | kg   | 18000              |
| Static linear load, rear  | N/cm | 920/1100           |
| Static linear load, front | N/cm | 400/500            |
| Max. travel speed         | km/h | 9.6                |
| Rolling width             | mm   | 2300               |
| Wheel overlap width       | mm   | 290 × 2            |
| Gradeability              | %    | 20                 |
| Turning radius            | mm   | 6640               |
| Wheelbase                 | mm   | 3330               |
| Ground clearance          | mm   | 473                |
| Diesel model              |      | LRC6105            |
| Diesel power              | kW   | 90                 |
| Overall dimensions        | mm   | 6200 × 2300 × 2995 |

### ■ Main Features

The LGS1822B articulated heavy duty three wheel static roller is suitable for compaction of various such as gravel, crushed stone, sand-macadam mixture, sandy soil, stabilized soils and bituminous concrete etc. on base course and surface construction, which is a universal compaction equipment for highway, municipal road parking area and industrial ground.

◎YITUO LRC6105 diesel engine from technology of Ricardo company U.K. with rich power surplus.

◎Hydraulic power steering system, forward and backward three travel speed gears.

◎Articulated machine frame with smaller turning radius, flexible maneuverability.

◎The diameters of front and rear drum are large enough for smooth and effective compaction.

◎Electric power sprinkler system with reinforced polyethylene water tank (optional).

◎Robust operator's cab with air conditioning system can be equipped as optional.



## LGU2124/LGU1822 Three Wheel Static Rollers



| Model                     |      | LGU2124            | LGU1822            |
|---------------------------|------|--------------------|--------------------|
| Max. operating mass       | kg   | 24000              | 22000              |
| Min. operating mass       | kg   | 21000              | 18000              |
| Static linear load, rear  | N/cm | 1010/1200          | 920/1100           |
| Static linear load, front | N/cm | 450/540            | 400/500            |
| Max. travel speed         | km/h | 9.6                | 9.6                |
| Rolling width             | mm   | 2300               | 2300               |
| Wheel overlap width       | mm   | 260 × 2            | 260 × 2            |
| Gradeability              | %    | 20                 | 20                 |
| Turning radius            | mm   | 6780               | 6780               |
| Wheelbase                 | mm   | 3350               | 3350               |
| Ground clearance          | mm   | 425                | 425                |
| Diesel model              |      | LRC6105            | LRC6105            |
| Diesel power              | kW   | 90                 | 90                 |
| Overall dimensions        | mm   | 5724 × 2300 × 3079 | 5724 × 2300 × 3079 |

### ■ Main Features

The LGU2124/LGU1822 articulated heavy duty three wheel static roller is suitable for compaction of various such as gravel, crushed stone, sand-macadam mixture, sandy soil, stabilized soils and bituminous concrete etc. on base course and surface construction, which is a universal compaction equipment for highway, municipal road parking area and industrial ground.

◎YITUO LRC6105 diesel engine from technology of Ricardo company U.K. with rich power surplus.

◎Hydraulic power steering system, forward and backward three travel speed gears.

◎Electric power sprinkler system with reinforced polyethylene water tank.

◎Robust operator's cab with air conditioning system can be equipped as option.

◎Unique beautiful and compact appearance with lower gravity-center.

◎Beautiful streamline shape appearance with front mounted operator's cab was awarded two State Patents.





## LLC226/LLC228 Refuse Compactors

| Model                                   |      | LLC226             | LLC228             |
|-----------------------------------------|------|--------------------|--------------------|
| Operating mass                          | kg   | 26000              | 28000              |
| Rolling width                           | mm   | 3430               | 3430               |
| Travel speed                            | km/h | 4.41/7.1/10.87     | 4.41/7.1/10.87     |
| Gradeability                            | %    | 100                | 100                |
| Dozer blade height × width              | mm   | 1880 × 3800        | 1880 × 3800        |
| Wheelbase                               | mm   | 3500               | 3500               |
| Ground Clearance                        | mm   | 490                | 490                |
| Wheel width                             | mm   | 1195/970           | 1195/970           |
| Wheel diameter (front / rear)           | mm   | 1220/1220          | 1220/1220          |
| Teeth quantity per wheel (front / rear) |      | 50/40              | 50/40              |
| Diesel engine model                     |      | C6121              | C6121              |
| Diesel engine power                     | kW   | 187                | 187                |
| Overall dimensions (from dozer blade)   | mm   | 8150 × 3800 × 3810 | 8150 × 3800 × 3810 |
| Overall dimensions (from front wheel)   | mm   | 8150 × 3430 × 3810 | 8150 × 3430 × 3810 |

### ■ Main Features

The LLC226/LLC228 refuse compactors are essential equipments for refuse landfill site. It has the functions of pushing, spreading, pulverizing, demolishing and compacting the refuse. Using this refuse compactor will help to save the land, protect the environmental and extend the operating life of the refuse landfill site.

◎SHANGCHAI water-cooled turbocharged diesel engine with the cold starting system.

◎Torque converter and power gearshift transmission are applied on four wheels.

◎The high wear life teeth are arranged specially, two scraper bars and two wire cutters on four compaction wheels will avoid the wire wrap-around and keep the wheel clean.

◎Hydraulic system is driven by a piston pump with load sensing system, provides smooth and light control, high efficiency and energy economy.

◎The 12 crucial spots are maintained regularly by the central lubrication system. The disinfectant spray device is equipped to guard against mosquito.

◎The Roll-Over Protective Structure (ROPS) as an integral part of the frame, service brakes on the front and rear axles and central parking brake will guarantee most reliable safety.

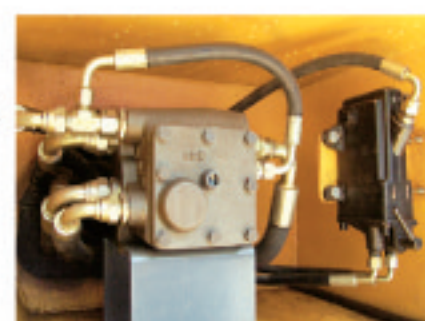
◎Turnover driver's cabin, engine hood with three windows at dual sides, access step and protective ladder in both sides make main components accessible.



Sealed and arc tube type chassis



Turnover driver's cabin with ROPS/FOPS structure



Import piston pump with load sensing system



Shanghai water cooled turbocharged diesel engine



## LLC223/220 Refuse Compactors

| Model                                      |       | LLC223                                          | LLC220    |
|--------------------------------------------|-------|-------------------------------------------------|-----------|
| Mass                                       |       |                                                 |           |
| Operating mass                             | kg    | 23000                                           | 20000     |
| Axle load (front)                          | kg    | 11000                                           | 9500      |
| Axle load (rear)                           | kg    | 12000                                           | 10500     |
| Dimensions                                 |       |                                                 |           |
| Overall length                             | mm    | 7355                                            | 7355      |
| Overall width at dozer blade               | mm    | 3000                                            | 3000      |
| Overall width at front wheel               | mm    | 2910                                            | 2910      |
| Overall width at rear wheel                | mm    | 2705                                            | 2705      |
| Overall height                             | mm    | 3590                                            | 3590      |
| Wheelbase                                  | mm    | 3350                                            | 3350      |
| Clearance                                  | mm    | 435                                             | 435       |
| Compacting wheel                           |       |                                                 |           |
| Wheel width                                | mm    | 1040/835                                        | 1040/835  |
| Wheel diameter (front / rear, out teeth)   | mm    | 1500/1500                                       | 1500/1500 |
| Wheel diameter (front / rear, inner teeth) | mm    | 1200/1200                                       | 1200/1200 |
| Teeth No. per wheel (front / rear)         |       | 50/40                                           | 50/40     |
| Drive                                      |       |                                                 |           |
| Diesel engine manufacture                  |       | SHANGCHAI                                       | SHANGCHAI |
| Diesel engine model                        |       | D6114ZG                                         | D6114ZG   |
| Diesel engine power                        | kW    | 147                                             | 147       |
| Diesel engine rated speed                  | r/min | 2000                                            | 2000      |
| Electrical system                          | V     | 24                                              | 24        |
| Number of driven wheels                    |       | 4                                               | 4         |
| Forward travel speed (1)                   | km/h  | 0-4.2                                           | 0-4.2     |
| Forward travel speed (2)                   | km/h  | 0-10.0                                          | 0-10.0    |
| Backward travel speed                      | km/h  | 0-5.8                                           | 0-5.8     |
| Max. gradeability                          | %     | 100                                             | 100       |
| Dozer blade                                |       |                                                 |           |
| Dozer blade height                         | mm    | 1650                                            | 1650      |
| Dozer blade width                          | mm    | 3000                                            | 3000      |
| Blade lifting height                       | mm    | 1000                                            | 1000      |
| Dozer blade depth below ground             | mm    | 150                                             | 150       |
| Brake                                      |       |                                                 |           |
| Serve brake                                |       | Air-over-oil, caliper disk brakes               |           |
| Parking/Emergency brake                    |       | Mechanical, expanding hoofed brake              |           |
| Steering                                   |       |                                                 |           |
| Steering method                            |       | Hydraulic central articulation with oscillation |           |
| Steering angle                             | ± °   | 40                                              | 40        |
| Oscillating angle                          | ± °   | 15                                              | 15        |
| Steering radius (outer front wheel)        | mm    | 6150                                            | 6150      |
| Capacities                                 |       |                                                 |           |
| Fuel tank                                  | L     | 450                                             | 450       |
| Hydraulic oil                              | L     | 236                                             | 236       |

### ■ Main Features

LLC220/223 refuse compactors are a essential equipment for refuse landfill site. It has the functions of pushing, spreading, pulverizing demolishing and compacting the refuse. Using this refuse compactor will help to save the land, protect the environmental and extend the operating life of the refuse landfill site.

◎ Powerful and reliable SHANGCHAI water-cooled turbocharged diesel engine with the cold starting system

◎ Torque converter and power gearshift transmission are applied on four wheels at three speed gears either forward or reverse, suitable for extreme demands in landfill ground.

◎ The high wear life teeth are arranged specially on four compaction wheels. The two scraper bars and two wire cutters per wheel will avoid the wire wrap-around and keep the wheel clean.

◎ The front and rear frames are articulated with a massive oscillating movement, ensuring full four-wheel contact on the ground.

◎ The Roll-Over Protective Structure (ROPS) as an integral part of the frame, service brakes on the front and rear axles and central parking brake will guarantee most reliable safety.

◎ Hydraulic steering and blade lifting system is driven by a piston pump with load sensing system, provides smooth and light control, high efficiency and energy economy.

◎ The 13 crucial spots are maintained regularly by computerized central lubrication system. The disinfectant spray device is equipped to guard against mosquito.

◎ Efficient and free-maintenance OPTIMA battery features cold working performance and extended operating life.

◎ Sealed and comfortable driver's cabin with dual sides of the doors is entered into by fresh air from up to higher point through a fine filter. Air conditioner with heated and cooled system is available as standard equipment for excellent environments.

◎ The strong frame with sealed and arc type tube design prevents the refuse into the engine compartment and reduces travel resistance.

◎ A No-Spin self-lock differentials integrated in the drive axles achieves the optimum traction performance even on rugged terrain.

◎ The 10 working lamps supply wide view over the landfill site even during night.

◎ Turnover driver's cabin, engine hood with three windows at dual sides and access step and protective ladder in both sides bring convenience for operation and maintenance.

◎ Infrared vehicle video monitor system and backup buzzer are greatly convenient for driver's travel and working with more safe in increased rear view



Famous brand hydraulic component



Imported maintenance-free battery



Infrared vehicle backup monitor system



Microprocessor centralized lubricant system





## ZL30-II /ZL30F Wheel loaders

| Model                                               |                | ZL30-II                 | ZL30F              |
|-----------------------------------------------------|----------------|-------------------------|--------------------|
| <b>Machine specification</b>                        |                |                         |                    |
| Bucket capacity                                     | m <sup>3</sup> | 1.5                     | 1.7                |
| Rated load                                          | kg             | 3000                    | 3000               |
| Movable arm lifting time                            | s              | 6.5                     | ≤5.5               |
| Three-item-sum time                                 | s              | 12                      | ≤10.5              |
| Max. digging force                                  | kN             | 88                      | 92                 |
| Gradeability                                        |                | 28°                     | 28°                |
| Min. turning radius<br>(external rear wheel center) | mm             | 5770                    | 5175               |
| Total weight                                        | kg             | 9950                    | 10200              |
| Fuel tank capacity                                  | L              | 150                     | 140                |
| Hydraulic oil tank capacity                         | L              | 130                     | 160                |
| <b>Diesel engine</b>                                |                |                         |                    |
| Model                                               |                | LR6108G6F1              | LR6108GF1A         |
| Rated power                                         | kW             | 92                      | 92                 |
| Fuel consumption specific                           | g/kW.h         | ≤224                    | ≤232               |
| <b>Traveling speed</b>                              |                |                         |                    |
| Speed of forward gears                              | km/h           | 6.5-40(I-IV gear shift) | 7.7-40             |
| Speed of reverse gears                              | km/h           | 7.5-27(I-II gear shift) | 9.5-33             |
| <b>Overall dimensions</b>                           |                |                         |                    |
| Overall dimensions (L × W × H)                      | mm             | 7100 × 2420 × 3100      | 7500 × 2350 × 3080 |
| <b>Operation range</b>                              |                |                         |                    |
| Dumping height                                      | mm             | 3050                    | 3135               |

### ■ Main Features

The ZL30-II loader adopts the YTO LR6108 G6F1 diesel engine, which is produced on the basis of technologies from the British Ricardo Consulting Engineers, and is featured with a big power reserve, strong output power, low specific fuel consumption, environmental protection-oriented. The loader adopts the single-stage 3-element hydraulic torque converter, the fixed-spindle 4F+2R power gearshift transmission box, and both are featured with their reliable performance. The loader adopts the full hydraulic steering device, which is flexible and easy to operate, small in its turning radius and stable in its performance. The front and rear frames adopt the box-type structure, which is strong in its strength and good in its rigidity. The four-wheel double-tube caliper-disc type brakes and the air reservoirs positioned on both sides guarantee the desirable brake performance in traveling and operations, making the loader safe and reliable. The loader adopts the Z-shaped link mechanism and has strong lifting power, thus the shoveling and digging work is high in efficiency. The vehicle has a new-type steel-structured driver's cab, which is good at its sealing and vibration absorption and can provide a broad field of view. Besides, the loader adopts the advanced traversing combination instrument panel and the anti-misstart electronic switch lock, bringing the human-centered designing philosophy into full play.

#### ZL30F:

- ◎ YTO LR6108G6F1A or Yuchai YC6108G diesel engine is applied as it features bigger power reserve, stronger power, bigger torque reserve coefficient, and fuel features economical and environmentally protected.
- ◎ Torque-varied device features high efficiency and big torque-varied coefficient; as it equips with higher reliable gear-box and drive axis.
- ◎ As fully hydraulic turning system equips with equidistant hinged car rack, frontal and rear wheel have the same track.
- ◎ As rear car rack is applied to single-plate T-shaped girder.
- ◎ Double-pipe tie rod construction features bigger up-growth force, higher unloading position and bigger unloading distance.
- ◎ Z-type connection rod, high digging force, and high shovel efficiency.
- ◎ Luxurious car is sound insulated, heat insulated, broad visual field; seat chair specialized for engineering machinery features superior damping performance.
- ◎ Expand torque-varied oil heat radiator and water one, make it high efficiently radiated.
- ◎ Integral operation platform, streamline design, and humanized operation layout, equipped with new type of electronic instrument, capable of quickly monitoring the working condition of the whole unit.
- ◎ Standard heating and ventilation equipment, air conditioner optional. All specialized operation devices should be selected out and configured with.



## ZL50F Wheel loaders

| Model                          |                | CE ZL50F             |
|--------------------------------|----------------|----------------------|
| <b>Machine specification</b>   |                |                      |
| Bucket capacity                | m <sup>3</sup> | 3                    |
| Rated load                     | kg             | 5000                 |
| Movable arm lifting time       | s              | 5.7                  |
| Three-item-sum time            | s              | 10.6                 |
| Max. digging up force          | kN             | 165                  |
| Gradeability                   |                | 28°                  |
| Min. turning radius            | mm             | 6770                 |
| Total weight                   | kg             | 16500                |
| <b>Traveling speed</b>         |                |                      |
| Speed of forward gear          | km/h           | 0 ~ 11.5             |
| Speed of forward gear II       | km/h           | 0 ~ 38               |
| Speed of reverse gears         | km/h           | 0 ~ 16               |
| <b>Diesel engine</b>           |                |                      |
| Model                          |                | WD615G220/C6121/ZG50 |
| Rated power                    | kW             | 162                  |
| Fuel tank capacity             | L              | 280                  |
| Hydraulic oil tank capacity    | L              | 210                  |
| <b>Overall dimensions</b>      |                |                      |
| Overall dimensions (L × W × H) | mm             | 7935 × 2975 × 3450   |
| <b>Operation range</b>         |                |                      |
| Dumping height                 | mm             | 3200                 |
| Dumping distance               | mm             | 1180                 |

### ■ Main Features

The ZL50F loader adopts a fashionable European-style design equipped with the optimal parts and auxiliary components in China. The loader adopts the single-stage 4-element hydraulic torque converter and the planetary power gearshift transmission box, which can automatically adjust the output torque. The high-speed light-load operating mode can automatically be shifted to low-speed heavy-load operating mode. The loader adopts the full hydraulic flow-enlarged steering system, which is flexible and easy to operate, small in its turning radius and stable in its performance. The hydraulic system of the working mechanism adopts the flexible shaft operation mode with the preset operating valve, ensuring easy, convenient and reliable operation. The rear frame adopts the single-plate T-shaped beam structure, which is good at its stability, roomy in its interior, and convenient in its repair and maintenance. The integrated operating console is streamline in design, highlighting the humanistic philosophy. The vehicle has a new-type steel-structured driver's cab, which provides a broad field of view and is good at its sealing and comfortable to drive. Besides, the covering parts are pleasing to the eye and ingenious, which are made out of high-quality materials with delicate workmanship.





## ZL50CX/ZL50D- II Wheel loaders

| Model                          |                | ZL50CX             | CE ZL50D- II       |
|--------------------------------|----------------|--------------------|--------------------|
| <b>Machine specification</b>   |                |                    |                    |
| Bucket capacity                | m <sup>3</sup> | 3                  | 3                  |
| Rated load                     | kg             | 5000               | 5000               |
| Movable arm lifting time       | s              | ≤6.8               | ≤6.8               |
| Three-item-sum time            | s              | ≤11.8              | ≤11.8              |
| Max. digging up force          | kN             | ≥145               | ≥145               |
| Gradeability                   |                | 25°                | 25°                |
| Min. Turning radius            | mm             | 5900               | 5900               |
| Total weight                   | kg             | 16500              | 16500              |
| <b>Traveling speed</b>         |                |                    |                    |
| Speed of forward gear I        | km/h           | 0-11.5             | 0-11.5             |
| Speed of forward gear II       | km/h           | 0-36               | 0-36               |
| Speed of reverse gears         | km/h           | 0-16               | 0-16               |
| <b>Diesel engine</b>           |                |                    |                    |
| Model                          |                | D9-220             | WD615G220          |
| Rated power                    | kW             | 162                | 162                |
| Fuel tank capacity             | L              | 220                | 220                |
| Hydraulic oil tank capacity    | L              | 220                | 220                |
| <b>Overall dimensions</b>      |                |                    |                    |
| Overall dimensions (L × W × H) | mm             | 7500 × 2990 × 3400 | 7500 × 2990 × 3400 |
| <b>Operation range</b>         |                |                    |                    |
| Dumping height                 | mm             | 3050               | 3050               |
| Dumping distance               | mm             | 1290               | 1290               |

### ■ Main Features

The ZL50CX/ZL50D- II loader adopts the STEYR construction machinery specific diesel engine made by Weifang Diesel Engine Factory, which has strong horsepower, improved energy efficiency and specific low fuel consumption. The loader adopts the single-stage 4-element hydraulic torque converter and the planetary power gearshift transmission box, which can automatically adjust the output torque. The high-speed light-load operating mode can automatically be shifted to low-speed heavy-load operating mode. The loader adopts the full hydraulic flow-enlarged steering system, which is flexible and easy to operate, small in its turning radius and stable in its performance. The dual-pump flow-converging system is desirable in its power performance, outstanding in its high efficiency and improved energy efficiency, and high efficiency in its operations. The loader adopts the box-shaped frame and the welded rocker arms are strong in strength and good in rigidity. The vehicle adopts the modularized design, making the complete machine's layout more reasonable. The integrated operating console is streamline in design, highlighting the humanistic philosophy. The vehicle has a new-type steel-structured driver's cab, which provides a broad field of view and is good at its sealing and comfortable to drive. Besides, the covering parts are pleasing to the eye and ingenious, which are made out of high-quality materials with delicate workmanship.



## X200PZ-605/X200PZ-605Z Loaders



| Model                                          |                | X200PZ-605         | X200PZ-605Z        |
|------------------------------------------------|----------------|--------------------|--------------------|
| Rated load                                     | kg             | 400                | 400                |
| Total mass                                     | kg             | 1900               | 1480               |
| Engine rated power                             | kW             | 18.25              | 16.17              |
| Engine rated rotation speed                    | r/min          | 2200               | 2200               |
| Rated bucket capacity                          | m <sup>3</sup> | 0.2                | 0.2                |
| Max. traveling speed                           | km/h           | 30                 | 19.66              |
| Driving model                                  |                | 4WD                | 4WD                |
| Min. turning radius                            | mm             | 3200               | 3625               |
| Rated working pressure of the hydraulic system | MPa            | 16                 | 16                 |
| Movable arm lifting time                       | s              | 5                  | 5                  |
| Max. dumping height                            | mm             | 2000               | 1940               |
| Dumping distance at the max. height            | mm             | 780                | 680                |
| Overall dimensions(L × W × H)                  | mm             | 4000 × 1500 × 2200 | 3850 × 1300 × 2000 |
| Min. ground clearance                          | mm             | 200                | 260                |
| Axle base                                      | mm             | 1650               | 1600               |
| Wheelbase                                      | mm             | 1180               | 1220/1300          |

### ■ Main Features

#### X200PZ-605:

- It adopts the streamline appearance design, which is beautiful and pleasing to the eye, enabling it to have the minimum resistance when it is traveling or working.
- It adopts the hydraulic braking system, which is safe and reliable.
- The chassis is firm in its structure and the complete machine is compact in its structure and flexible in its operation.
- It adopts the transmission mode of mechanical direct coupling and its transfer case is advanced in its structure, which is stable and reliable.
- It is driven by four wheels, thus having a good tractive performance and a powerful bucket thrust force.
- It can realize hydraulic bowing and steering with a small turning radius, thus making loading mobile and flexible.

#### X200PZ-605Z:

- It adopts the streamline appearance design, which is beautiful and pleasing to the eye, enabling it to have the minimum resistance when it is traveling or working.
- It can realize hydraulic bowing and steering with a small turning radius, thus making loading mobile and flexible.
- The chassis is firm in its structure and the complete machine is compact in its structure and flexible in its operation.
- It adopts the mechanical transmission mode, which is stable and reliable.
- It is versatile in function and has a wide range of application. Thus, it is the ideal tool to be used in sand plants, coal works, ports, stations, power plants, and small-scale earth work. Besides, it is the ideal tool to load and unload materials on the sites that require small-sized loading equipment in the course of the building of small- and medium-sized cities and towns.





## X200PZ-606/X200PZ-606L/X200PZ-908 Loaders

| Model                                          |                | X200PZ-606         | X200PZ-606L        | X200PZ-908         |
|------------------------------------------------|----------------|--------------------|--------------------|--------------------|
| Rated load                                     | kg             | 500                | 500                | 600                |
| Total mass                                     | kg             | 2100               | 1500               | 2200               |
| Engine rated power                             | kW             | 22                 | 17.64              | 18.38              |
| Engine rated rotation speed                    | r/min          | 2300               | 2200               | 2200               |
| Rated bucket capacity                          | m <sup>3</sup> | 0.28               | 0.28               | 0.3                |
| Max. traveling speed                           | km/h           | 20.88              | 19.66              | 18                 |
| Driving model                                  |                | 4WD                | 2WD                | 4WD                |
| Min. turning radius                            | mm             | 3300               | 3400               | 5000               |
| Rated working pressure of the hydraulic system | MPa            | 16                 | 16                 | 16                 |
| Movable arm lifting time                       | s              | 5                  | 5                  | 5                  |
| Max. dumping height                            | mm             | 1900               | 1900               | 2320               |
| Dumping distance at the max. height            | mm             | 600                | 780                | 820                |
| Overall dimensions(L × W × H)                  | mm             | 3900 × 1500 × 2500 | 4200 × 1300 × 2400 | 4700 × 1460 × 2500 |
| Min. ground clearance                          | mm             | 220                | 250                | 340                |
| Axle base                                      | mm             | 1700               | 1600               | 2120               |
| Wheelbase                                      | mm             | 1240               | 1050               | 1320               |

### ■ Main Features

#### X200PZ-606:

- ⊙The complete machine adopts the international cutting-edge designing principles, and therefore it is beautiful and pleasing to the eye.
- ⊙The bucket is simple and unique in its external shape and has a reliable quick-change mechanism, which enables the customer to change other devices quickly.
- ⊙It adopts the famous-brand two-cylinders diesel engine. It is driven by four wheels, and thus it is excellent in its tractive performance and powerful in its bucket thrust force.
- ⊙It can realize hydraulic bowing and steering with a small turning radius, thus making loading mobile and flexible.
- ⊙The designing of the electric devices is novel in appearance.
- ⊙It adopts the totally enclosed steel-structured driver's cab, which is spacious and broad in field of vision. All the operating devices are designed by professionals by engineering designing, which are hand and reliable to operate.

#### X200PZ-606L

- ⊙It adopts a new type of design and has a good quality.
- ⊙It adopts the hydraulic steering and has a strong power.
- ⊙It is controlled by a single rod and it is convenient and flexible.
- ⊙It is high in energy utilization and low in specific fuel consumption, and its quality is reliable.
- ⊙It adopts the totally enclosed steel-structured driver's cab, which is spacious and broad in field of vision.

#### X200PZ-908:

- ⊙It is driven by the front and rear axles. The front axle is rigidly fixed while the rear axle oscillates with the frame, thus increasing the complete vehicle's driving performance and trafficability.
- ⊙It is intermediately articulated. Its turning radius is small and it can work on narrow sites.
- ⊙It adopts the hydraulic braking system with double circuits, enhancing traveling safety.
- ⊙It adopts a new type of steel-structured driver's cab, which is safe and reliable, novel in appearance, and broad in field of vision.
- ⊙It is optional to install grass-grabbing spuds, wood-grabbing shovels, grabbing-digging buckets or lifting platforms and so on in order to meet the various needs of customers.



## X354Z-910/X354Z-912/X918 Loaders

| Model                                          |                | X354Z-910          | X354Z-912          | X918               |
|------------------------------------------------|----------------|--------------------|--------------------|--------------------|
| Rated load                                     | kg             | 800                | 900                | 1600               |
| Total mass                                     | kg             | 2620               | 2820               | 4800               |
| Engine rated power                             | kW             | 25                 | 26                 | 45                 |
| Engine rated rotation speed                    | r/min          | 2400               | 2200               | 2400               |
| Rated bucket capacity                          | m <sup>3</sup> | 0.4                | 0.4                | 0.8                |
| Max. traveling speed                           | km/h           | 22.1               | 20.25              | 24                 |
| Driving model                                  |                | 4WD                | 4WD                | 4WD                |
| Min. turning radius                            | mm             | 3500               | 4750               |                    |
| Rated working pressure of the hydraulic system | MPa            | 16                 | 16                 | 16                 |
| Movable arm lifting time                       | s              | 4.8                | 4.8                | 4.8                |
| Max. dumping height                            | mm             | 2700               | 2850               | 2330               |
| Dumping distance at the max. height            | mm             |                    | 1100               | 885                |
| Overall dimensions(L × W × H)                  | mm             | 5040 × 1600 × 2400 | 4970 × 1580 × 2570 | 4952 × 1910 × 2900 |
| Min. ground clearance                          | mm             | 255                | 255                | 310                |
| Axle base                                      | mm             | 1870               | 1870               | 2150               |
| Wheelbase                                      | mm             | 1320               | 1320               | 1440               |

### ■ Main Features

#### X354Z-912:

- ⊙It is driven mechanically and the driving efficiency is high.
- ⊙It is driven by four wheels, and thus it is good at towing performance and trafficability and suitable for various kinds of complex road surfaces.
- ⊙It has top starting performance. Its noise is weak and it can save much fuel.
- ⊙Its discharge height attains 2.7m, thus broadening its range of operations.
- ⊙It adopts a type of fully enclosed driver's cab, providing broad field of vision, and it is comfortable to ride in.

#### X918:

- ⊙It adopts the hydraulic torque conversion mode; it is driven by four wheels; and it adopts the stageless speed changing mode.
- ⊙It adopts the articulated frame and the hydraulic steering system.
- ⊙Its quality is stable and reliable, and its efficiency is quite high.
- ⊙The overall shape is novel, beautiful, and pleasing to the eye.





## X354Z-915/X354Z-915Y Loaders

| Model                                          |                | X354Z-915          | X354Z-915Y         |
|------------------------------------------------|----------------|--------------------|--------------------|
| Rated load                                     | kg             | 1200               | 1200               |
| Total mass                                     | kg             | 3440               | 3260               |
| Engine rated power                             | kW             | 38.8               | 39                 |
| Engine rated rotation speed                    | r/min          | 2200               | 2500               |
| Rated bucket capacity                          | m <sup>3</sup> | 0.6                | 0.6                |
| Max. traveling speed                           | km/h           | 21.3               | 21.88              |
| Driving model                                  |                | 4WD                | 4WD                |
| Min. turning radius                            | mm             | 4800               | 4800               |
| Rated working pressure of the hydraulic system | MPa            |                    |                    |
| Movable arm lifting time                       | s              |                    |                    |
| Max. dumping height                            | mm             | 2800               | 2800               |
| Dumping distance at the max. height            | mm             | 900                | 900                |
| Overall dimensions(L × W × H)                  | mm             | 5350 × 1700 × 2670 | 4800 × 1510 × 2720 |
| Min. ground clearance                          | mm             |                    |                    |
| Axle base                                      | mm             | 2100               | 2100               |
| Wheelbase                                      | mm             | 1410               | 1410               |



### ■ Main Features

#### X354Z-915:

◎The steering system adopts the fully hydraulic steering mode, which is hand to operate and flexible in steering.

◎It integrates speed changing device and the transfer case, and thus its structure is compact, making it convenient for complete vehicle layout.

◎It adopts the direct-injection four-cylinder diesel engine as its power, which is easy to start, low in specific fuel consumption, and weak in noise.

◎It adopts the four-wheel driving mode, which is powerful in its driving force, and its tractive performance and field trafficability are excellent.

◎The main working gears of the speed-changing transfer case adopt the mode of engagement sleeve gear shifting and single-rod operation, which is convenient and labor-saving.

◎It adopts a new type of enclosed driver's cab, and thus its operating environment is more agreeable.

#### X354Z-915Y:

◎It is hydraulically driven, which is stable and reliable and convenient for customers to maintain and service.

◎The steering system adopts the fully hydraulic steering mode, which is handy to operate and flexible in steering.

◎The hydraulic system uses a purpose-made powerful intensive cooling and radiating device, thus enhancing the high-temperature operation capacity.

◎It adopts the is hydromechanical driving mode, which can make full of the diesel engine's power output and keep it from being shut down due to the sudden increase of external load on the engine.

◎It adopts the direct-injection diesel engine as its power device, which is easy to start, low in specific fuel consumption, and weak in noise.

◎It adopts the four-wheel driving mode, and its tractive performance and field trafficability are excellent.

◎Its discharge height is the highest among the products of the kind, reaching 2.8m, thus broadening its range of operations.

◎It adopts the streamline appearance design and a new type of enclosed driver's cab, and thus its operating environment is more agreeable.

◎The complete machine has such advantages as being reasonable in structure, handy in operation, and reliable in quality.



## CPC15/CPC20/CPC40 Machanic Forklift Trucks



| Model                                     |       | CE CPC15           | CE CPC20            | CPC40              |
|-------------------------------------------|-------|--------------------|---------------------|--------------------|
| Machine specification                     |       |                    |                     |                    |
| Rated lifting capacity                    | kg    | 1500               | 2000                | 4000               |
| Load center distance                      | mm    | 500                | 500                 | 500                |
| Max. lifting height                       | mm    | 3000               | 3000                | 3000               |
| Min. turning radius                       | mm    | 2000               | 2170                | 2710               |
| Max. gradeability with full load          | %     | 20                 | 20                  | 20                 |
| Parking brake gradient with full load     | %     | 15                 | 15                  | 15                 |
| Axle base                                 | mm    | 1354               | 1600                | 1900               |
| Front tread                               | mm    | 912                | 960                 | 1040               |
| Rear tread                                | mm    | 906                | 970                 | 980                |
| Max. working height                       | mm    | 3975               | 4030                | 4240               |
| Deadweight                                | kg    | 2660               | 3540                | 5000               |
| Traveling speed                           |       |                    |                     |                    |
| Forward speed(without load)               | km/h  | 0-18/19            | 0-18/19             | 0-19/20            |
| Reverse speed(without load)               | km/h  | 0-18/19            | 0-18/19             | 0-19/20            |
| Diesel engine                             |       |                    |                     |                    |
| Model                                     |       | YD480              | 490BPG              | YTR3105            |
| Rated power                               | kW    | 25                 | 37                  | 41                 |
| Rated rotational speed                    | r/min | 2600               | 2650                | 2400               |
| Max.torque corresponding rotational speed |       |                    | 148Nm/1800          |                    |
| rotational speed                          | r/min | 131 N.m/ 2000      | 148 N.m/1800 ~ 2000 | 188 N.m/1600       |
| Overall dimensions                        |       |                    |                     |                    |
| Overall dimensions (L × W × H)            | mm    | 3317 × 1082 × 2110 | 3550 × 1150 × 2120  | 3550 × 1150 × 2120 |

### ■ Main Features

The CPC15 operating mechanism is designed on the basis of ergonomics; therefore it is comfortable and highly efficient. The forklift truck's appearance is compact and it can wind its way freely in narrow working sites. The diesel engine is made on the basis of the introduced Ricardo technology, so it can run stably and work reliably. The truck's steering mechanism adopts the full- hydraulically-operated, transverse oil cylindered and double-slider mechanism, making steering flexible, easy and convenient. The small combined hydraulic multiple unit valve equipped with a forward self-lock is advanced in its structure and reliable in its performance. The wide field-of-view gantry mechanism is concise, therefore its lifting speed is fast and the loading and unloading efficiency is high. The engine adopts the integral lightweight, high-strength, soundproof, heat-insulating and vibration-absorbing fiberglass reinforced plastic hood, which provides the driver and other passengers with a good working environment. The combination instrument has a delicate appearance, and it can provide the driver and his or her companions with the vehicle status indications anywhere at any time.

The CPC20/CPC40 steering axle adopts the transverse oil cylinder, which is easy to repair and maintain. The driving axle is made by using the French SOMA technology. The main reducing gear and the wheel rim are used in the double speed reduction, which is rich in technical content and good in reliability. The wide field-of-view gantry mechanism is concise, therefore its lifting speed is fast and the loading and unloading efficiency is high. The engine adopts the high-strength soundproof and heat-insulating fiberglass reinforced plastic hood. The instrument panel is highly integrated, smart and combined. The product has passed CE certification.





## CPCD25/CPCD30A Hydraulic Forklift Trucks

| Model                                     |       | CPCD25             | CE CPCD30A         |
|-------------------------------------------|-------|--------------------|--------------------|
| <b>Machine specification</b>              |       |                    |                    |
| Rated lifting capacity                    | kg    | 2500               | 3000               |
| Load center distance                      | mm    | 500                | 500                |
| Max. lifting height                       | mm    | 3000               | 3000               |
| Min. turning radius                       | mm    | 2240               | 2410               |
| Max. gradeability with full load          | %     | 20                 | 20                 |
| Parking brake gradient with full load     | %     | 15                 | 15                 |
| Axle base                                 | mm    | 1600               | 1700               |
| Front wheel tread                         | mm    | 960                | 1000               |
| Rear wheel tread                          | mm    | 970                | 980                |
| Max. working height                       | mm    | 4030               | 4225               |
| Deadweight                                | kg    | 3840               | 4220               |
| <b>Traveling speed</b>                    |       |                    |                    |
| Forward speed (with/without load)         | km/h  | 0-18/19            | 0-18/19            |
| Reverse speed (with/without load)         | km/h  | 0-18/19            | 0-18/19            |
| <b>Diesel engine</b>                      |       |                    |                    |
| Model                                     |       | 490BPG             | YTR3105            |
| Rated power                               | kW    | 37                 | 41                 |
| Rated rotational speed                    | r/min | 2650               | 2400               |
| Max.torque corresponding rotational speed | r/min | 148Nm/1800         | 188 N.m/1600       |
| <b>Overall dimensions</b>                 |       |                    |                    |
| Overall dimensions (L × W × H)            | mm    | 3615 × 1150 × 2120 | 3836 × 1225 × 2160 |

### ■ Main Features

The steering axle adopts the transverse oil cylinder, which is easy to repair and maintain. The driving axle is made by using the French SOMA technology. The main reducing gear and the wheel rim are used in the double speed reduction, which is rich in technical content and good in reliability. The wide field-of-view gantry mechanism is concise, therefore its lifting speed is fast and the loading and unloading efficiency is high. The engine adopts the high-strength soundproof and heat-insulating fiberglass reinforced plastic hood. The instrument panel is highly integrated, smart and combined. The product has passed CE certification.



## CPCD50A/CPCD60A/CPCD100 Hydraulic Forklift Trucks



| Model                                     |       | CE CPCD50A         | CE CPCD60A         | CPCD100            |
|-------------------------------------------|-------|--------------------|--------------------|--------------------|
| <b>Machine specification</b>              |       |                    |                    |                    |
| Rated lifting capacity                    | kg    | 5000               | 6000               | 10000              |
| Load center distance                      | mm    | 600                | 600                | 600                |
| Max. lifting height                       | mm    | 3000               | 3000               | 3000               |
| Min. turning radius                       | mm    | 3300               | 3300               | 3950               |
| Max. gradeability with full load          | %     | 20                 | 20                 | 20                 |
| Parking brake gradient with full load     | %     | 15                 | 15                 | 15                 |
| Axle base                                 | mm    | 2250               | 2250               | 2800               |
| Front wheel tread                         | mm    | 1470               | 1470               | 1600               |
| Rear wheel tread                          | mm    | 1700               | 1700               | 1760               |
| Max. working height                       | mm    | 4330               | 4330               | 4315               |
| Deadweight                                | kg    | 8080               | 8780               | 13200              |
| <b>Traveling speed</b>                    |       |                    |                    |                    |
| Forward speed (with/without load)         | km/h  | 0-20/21            | 0-20/21            | 0-23/26            |
| Reverse speed (with/without load)         | km/h  | 0-20/21            | 0-20/21            | 0-23/26            |
| <b>Diesel engine</b>                      |       |                    |                    |                    |
| Model                                     |       | LR4105G74A         | 6105G64            | 6108G73            |
| Rated power                               | kW    | 59                 | 70                 | 88                 |
| Rated rotational speed                    | r/min | 2400               | 2200               | 2200               |
| Max.torque corresponding rotational speed |       | 274Nm/1700         | 400Nm/1600         | 440Nm/1600         |
| <b>Overall dimensions</b>                 |       |                    |                    |                    |
| Overall dimensions (L × W × H)            | mm    | 4700 × 1994 × 2500 | 4700 × 1994 × 2500 | 5460 × 2164 × 2570 |

### ■ Main Features

The steering axle adopts the transverse oil cylinder, which is easy to repair and maintain. The driving axle is made by using the French SOMA technology. The main reducing gear and the wheel rim are used in the double speed reduction, which is rich in technical content and good in reliability. The wide field-of-view gantry mechanism is concise, therefore its lifting speed is fast and the loading and unloading efficiency is high. The engine adopts the high-strength soundproof and heat-insulating fiberglass reinforced plastic hood. The instrument panel is highly integrated, smart and combined. The product has passed CE certification.





| Model                                            |      | CPD15              | CPD20              |
|--------------------------------------------------|------|--------------------|--------------------|
| Machine specification                            |      |                    |                    |
| Rated load                                       | kg   | 1500               | 2000               |
| Load center distance                             | mm   | 500                | 500                |
| Max. lifting height                              | mm   | 3000               | 3000               |
| Gantry tilt angle (front / rear)                 |      | 6° / 12 °          | 6° /12°            |
| Min. turning radius                              | mm   | 1995               | 2050               |
| Min. ground clearance (beneath the driving axle) | mm   | 130                | 130                |
| Max. traveling speed (empty load)                | km/h | 12                 | 12                 |
| Max. gradeability with full load                 | %    | 15                 | 10                 |
| Max. lifting speed (with full load)              | mm/s | 260                | 260                |
| Deadweight                                       | kg   | 3000               | 4100               |
| Accumulator                                      |      |                    |                    |
| Voltage                                          | V    | 48                 | 48                 |
| Capacity                                         | Ah   | 450                | 630                |
| Power of motor                                   |      |                    |                    |
| Traveling motor                                  | kw   | 5.2                | 6.5                |
| Working motor                                    | kw   | 8.2                | 8.6                |
| Overall dimensions                               |      |                    |                    |
| L × W × H                                        | mm   | 3020 × 1070 × 2070 | 3450 × 1150 × 2150 |

#### Main Features

The CPD15/CPD20 electric forklift truck employs the scientific ergonomic design, has effectively expanded the operating space, and reduces the operator's fatigue to the maximum. The electric control system adopts the internationally renowned controllers, which have multiple functions, such as failure warning, regenerative braking, stepless speed regulation,etc. The overall layout is clear-cut and reasonable. All the hydraulic pipelines and wires are fixed by pipe clamps, and their arrangement is orderly and pleasing to the eye. The repair space is large and the disassembling work is more convenient.



| Model                               |        | T80                |
|-------------------------------------|--------|--------------------|
| Total weight                        | kg     | 9000(with ripper)  |
| Max towing force                    | kN     | 82                 |
| Engine model                        |        | LR4105ZG52         |
| Engine rated power                  | kW     | 60                 |
| Engine rated speed                  | r/min  | 2200               |
| Fuel consumption of the engine      | g/kw.h | ≤235               |
| Engine max torque                   | N.m    | 282                |
| Traveling speed                     | km/h   |                    |
| Forward I-IV gears                  | km/h   | 2.4-10.4           |
| Reverse I-II gears                  | km/h   | 4.9-8.9            |
| Max slope angle                     | -      | ≥30                |
| Caterpillar track board width       | mm     | 400                |
| Land pressure                       | kpa    | 51                 |
| Overall length                      | mm     | 4860(with ripper)  |
| Overall width                       | mm     | 2485               |
| Overall height                      | mm     | 2860               |
| Blade width                         | mm     | 2485               |
| Blade height                        | mm     | 880                |
| Blade max lifting height            | mm     | 724                |
| Blade max digging depth             | mm     | 357                |
| Cutting angle(adjustable)           | °      | 55                 |
| Twing equipment/Scar fier(Optional) |        | Fixed type/3 teeth |

#### Main Features

- ◎The machine is installed with the YTO LR4105ZG52 boosting engine, with high power, low noise, energy conservation and low consumption.
- ◎Gearbox is 4F+2R fixed-shaft mechanical gear shifting.
- ◎Integral trolley traveling construction adopting rigid chassis and semi-rigid hanger.
- ◎Advanced operation control system, fully hydraulic aided steering.
- ◎Driver cab is welded with profile steel.
- ◎Applicable for construction in narrow ground.
- ◎Standard heating and ventilation equipment, air conditioner optional.
- ◎Each maintenance center has humanized design.
- ◎The complete machine has good economical power and high reliability.





## T100G/TS100 Bulldozers

| Model                             |        | T100G              | TS100      |
|-----------------------------------|--------|--------------------|------------|
| Total weight                      | kg     | 10650(with ripper) | 11360      |
| Max towing force                  | kN     | 81                 | 87         |
| Engine model                      |        | LR6105T13A         | LR6105T13A |
| Engine rated power                | kW     | 73.5               | 73.5       |
| Engine rated speed                | r/min  | 2300               | 2300       |
| Fuel consumption of the engine    | g/kw.h | ≤238               | ≤238       |
| Engine max torque                 | N.m    | 400                |            |
| Traveling speed                   | km/h   |                    |            |
| Forward I-IV gears                | km/h   | 2.6-10.4           | 2.6-10.4   |
| Reverse I-II gears                | km/h   | 3.1-6.7            | 3.7-7.1    |
| Caterpillar track board width     | mm     | 450                | 720        |
| Land pressure                     | kpa    | 54.5               | 36         |
| Overall length                    | mm     | 4990(with ripper)  | 4175       |
| Overall width                     | mm     | 2935               | 3230       |
| Overall height                    | mm     | 2982               | 3002       |
| Blade width                       | mm     | 2935               | 3230       |
| Blade height                      | mm     | 960                | 960        |
| Blade max lifting height          | mm     | 830                | 830        |
| Blade max digging depth           | mm     | 350                | 350        |
| Cutting angle(adjustable)         | °      | 55                 | 55         |
| Towing equipment/ripper(Optional) |        | Fixed type/3 teeth |            |

### ■ Main Features

#### T100G:

⊙Engine:Choose the pressure rising engine produced with British Ricardo joint-venture technology, lower oil consumption, stronger torsion.

⊙Master clutch:Choosedry, double piece and constant combining clutch.

⊙Gearbox:Choose 4F+2R mechanical gearbox.

⊙Turning clutch:Choosedry and multi-piece turning clutch, manually operating with hydraulic pressure.

⊙Transmission:Choose two classes, straight teeth, big modulus gear transmission.

⊙Work device:Many kinds of work device are chosen for users according to requirements.

⊙Operating environment:Choose fully completed close, low noise cab.

⊙Electric system is characterized by electronic monitor.

⊙Reliably using, conveniently maintaining, spare parts are easily purchased.

#### TS100:

The model of bulldozer adopts the energy efficiency improved, low-pollution, high-efficiency and low-consumption YTO-LR6105 diesel engine, which is manufactured by using the British Ricardo Consulting Engineers. low in its noise and reliable in its operation. It adopts an overall car-type bogie traction structure which has a rigid chassis and a semi-rigid suspension. The bulldozer adopts the advanced technology of full hydraulic power-assisted steering working mechanism. It adopts broad delta section tracks which are featured with low specific ground pressure and strong adhesive power, so its working efficiency in wetlands, swamps, sandy zones and the like is fairly high. The driver's cab is welded from formed steel, which is good in strength and highly impact resistant. The bulldozer has an instrument mechanism to provide system warning and automatically remind the driver of the failures. The complete machine is desirable in its power economy, high reliability, sound structure, and convenient in repair and maintenance. Therefore, this high quality model of bulldozer is an ideal machine for muddy earthwork projects.



## T120N Bulldozer

| Model                             | T120N              |                         |
|-----------------------------------|--------------------|-------------------------|
| Total weight                      | kg                 | 13000/13300(tilt blade) |
| Max towing force                  | kN                 | 115                     |
| Engine model                      | LR6105ZT56D        |                         |
| Engine rated power                | kW                 | 88.2                    |
| Engine rated speed                | r/min              | 2000                    |
| Fuel consumption of the engine    | g/kw.h             | ≤235                    |
| Engine max torque                 | N.m                | 526                     |
| Traveling speed                   | km/h               |                         |
| Forward I-IV gears                | km/h               | 2.4-10.6                |
| Reverse I-II gears                | km/h               | 3.8-7.0                 |
| Caterpillar track board width     | mm                 | 500                     |
| Land pressure                     | kpa                | 51/58(tilt blade)       |
| Overall length                    | mm                 | 4575(without ripper)    |
| Overall width                     | mm                 | 3130/3743(tilt blade)   |
| Overall height                    | mm                 | 2900                    |
| Blade width                       | mm                 | 3130/3743(tilt blade)   |
| Blade height                      | mm                 | 970/956(tilt blade)     |
| Blade max lifting height          | mm                 | 894                     |
| Blade max digging depth           | mm                 | 400                     |
| Cutting angle(adjustable)         | °                  | 55                      |
| Towing equipment/ripper(Optional) | Fixed type/3 teeth |                         |

### ■ Main Features

⊙Engine:Choose the pressure rising engine produced with British Ricardo joint-venture technology, lower oil consumption, stronger torsion.

⊙Main clutch comprises of dry, dual-sheet and common combined with featur es bigger torque reserve.

⊙Gear box is applied to 4F plus 2R mechanical shift.

⊙Turning clutch:Choose dry and multi-piece turning clutch, manually operating with hydraulic pressure.

⊙Filter applied in desert is more applicable for coal reserve site, desert and other special work condition.

⊙Operation environment is fully closed, hexahedral cab with lower noise.

⊙Electric system is characterized by electronic monitor.

⊙Standard heating and ventilation equipment, air conditioner optional.

⊙Operation device:option directpouring shovel, environmentally hygienic, angle shovel, coal-pushed shovel and so on.





## T140 Bulldozer

| Model                                  | T140               |                                 |
|----------------------------------------|--------------------|---------------------------------|
| Total weight                           | kg                 | 17500(with ripper)              |
| Max towing force                       | kN                 | ≥ 141                           |
| Engine model                           | D6114ZG5B          |                                 |
| Engine rated power                     | kW                 | 115                             |
| Engine rated speed                     | r/min              | 1800                            |
| Fuel consumption of the engine         | g/kw.h             | ≤ 230                           |
| Track gauge                            | mm                 | 1880                            |
| Caterpillar track ground length        | mm                 | 2570                            |
| Caterpillar track board width          | mm                 | 500                             |
| Land pressure                          | kPa                | 65                              |
| Overall dimension(L × W × H)           | mm                 | 6432 × 3305 × 3175(with ripper) |
| Bulldozer shovel(W × H)                | mm                 | 3305 × 1167                     |
| Max towing force                       | °                  | longitudinal direction 30°      |
| Max slope angle                        | °                  | can brake safely at 30° slope   |
| Minimum turning radius                 | mm                 | 3900                            |
| Minimum ground clearance               | mm                 | 360                             |
| Forward five-step driving speed        | km/h               | 2.52-10.6                       |
| Backward four-step driving speed       | km/h               | 3.53-10.5                       |
| Max lifting height of bulldozer shovel | mm                 | 915                             |
| Max in-soil depth of bulldozer shovel  | mm                 | 400                             |
| Towing equipment/ripper(Optional)      | Fixed type/3 teeth |                                 |

### ■ Main Features

◎ Pass the test and inspection of the relevant national authorities, technical performance of the advanced level of the similar domestic models.

◎ Use D6114 engine jointly made by Shanghai Diesel and Austrian AVL as the auxiliary power.

◎ Incorporate the operation handles on both sides of the driver based on the function, and adopt pilot control for the working unit.

◎ Hexahedral cab equips with high-class damping seat chair, rear view glass with armrest and adjustable for direction.

◎ Electromechanically integrated and automatic electronic monitoring system.

◎ Each maintenance center has humanized design.

◎ Several devices such as direct-pouring shovel, environmentally hygienic and so on.

◎ Standard heating and ventilation equipment, air conditioner optional.



## WLY3.5JQT/WLY110Y Excavators

| Model                                    | WLY3.5JQT      |                    | WLY110Y            |
|------------------------------------------|----------------|--------------------|--------------------|
| Total mass                               | kg             | 4250               | 10760              |
| Engine rated power                       | kW             | 46.2               | 83                 |
| Engine rated rotation speed              | r/min          | 2200               | 2400               |
| Rated bucket capacity                    | m <sup>3</sup> | 0.3                | 0.4                |
| Max. traveling speed                     | km/h           | 21.95              | 19                 |
| Gradeability                             | %              | 20                 | 40                 |
| Revolving angle                          | °              | 180                | 360                |
| Revolving speed                          | r/min          |                    | 11                 |
| Working pressure of the hydraulic system | MPa            | 16                 | 21                 |
| Hydraulic system rated flow              | L/min          | 130                | 180                |
| Max. digging depth                       | mm             | 3000               | 3768               |
| Max. excavating height                   | mm             | 5616               | 7000               |
| Max. excavating radius                   | mm             | 5585               | 6918               |
| Max. dumping height                      | mm             | 3810               | 5094               |
| Bulldozer plate(W × H)                   | mm             | 1800 × 420         | 2500 × 500         |
| Overall dimensions(L × W × H)            | mm             | 7380 × 2210 × 2820 | 6770 × 2500 × 2650 |
| Min. ground clearance                    | mm             | 210                | 320                |
| Axle base                                | mm             | 2500               | 2650               |
| Wheelbase                                | mm             | 1470/1550          | 1860               |

### ■ Main Features

#### WLY3.5JQT:

◎ The frame crossbeam adopts the 25b channel steel, thus increasing its non-deformability.

◎ The excavator adopts the turbocharged high-power YTO-4100 diesel engine.

◎ The movable arms and the bucket rods have been lengthened and widened; the bucket capacity has been enlarged; and the working mechanism can conduct 180-degree excavating operations.

◎ The multi-way valves are of the DL series, which are small in pressure loss and are equipped with gyration cushion valves, thus enabling the working mechanism to gyrate smoothly.

◎ The movable arms, the revolving arms, the bucket rods, and the bucket can be compositely operated; the bulldozing plate can be operated both in the front and in the rear, thus making its operation more convenient. The bulldozing plate is used for earth leveling operations.

◎ The tyres are of the construction tyre type.

◎ The cover member adopts a new type of driver's cab, which is beautiful and pleasing to the eye, providing a broad field of vision. Besides, it adopts the instrumentation console specific for agricultural vehicles.

#### WLY110Y:

◎ The hydraulic pilot mechanism makes it convenient to operate.

◎ It adopts the YTO-4105 turbocharged diesel engine.

◎ It adopts a hydraulic system with double pumps and double circuits, which has the function of accelerating.

◎ It is hydraulically driven, and therefore its power is strong.

◎ Its gear shifting is realized within the driver's cab.

◎ It has a strong capability to digging deep.

◎ It has the functions of digging, retracting, lifting, and gyrating, thus making it capable of composite operations.

◎ Its traveling adaptability is very outstanding.





## YT40-6 I Excavator

| Model                                    |                | YT40-6 I           |
|------------------------------------------|----------------|--------------------|
| Total mass                               | kg             | 3900               |
| Engine rated power                       | kW             | 28                 |
| Engine rated rotation speed              | r/min          | 2200               |
| Rated bucket capacity                    | m <sup>3</sup> | 0.14               |
| Max. traveling speed                     | km/h           | 4.5                |
| Gradeability                             | %              | 58                 |
| Revolving angle                          | °              | 360                |
| Revolving speed                          | r/min          | 13                 |
| Working pressure of the hydraulic system | MPa            | 21                 |
| Hydraulic system rated flow              | L/min          | 105                |
| Max. Digging depth                       | mm             | 3700               |
| Max. excavating height                   | mm             | 5050               |
| Max. excavating radius                   | mm             | 5720               |
| Max. dumping height                      | mm             | 3500               |
| Bulldozer plate(W × H)                   | mm             | 1650 × 315         |
| Overall dimensions(L × W × H)            | mm             | 5560 × 1650 × 2495 |
| Min. ground clearance                    | mm             | 350                |
| Axle base                                | mm             |                    |
| Wheelbase                                | mm             | 1710               |

### ■ Main Features

□ The internationally renowned hydraulic components guarantee the reliability of the system and the superiority of its operation performance.

□ The rubber crawlers will not do harm to road surfaces when the excavator is traveling (you can choose the totally interchangeable steel crawlers). The two speed alternatives of high speed and low speed ensure the convenience of the excavator in its site changing.

□ Its structure is compact, guaranteeing that the excavator is suitable for operations on narrow sites. The reinforced bucket and the highly wear-resistant bucket teeth support high-intensity operations.

□ Its efficiency is high because the excavating frequency is as high as 5 times per minute.

□ Its after sale service is guaranteed because its quality assurance period is as long as one year, so that you can use it without any worry in mind.

□ It is suitable to select the five-star products of small-sized excavators in the domestic market.



## WY10B Excavator

| Model                                           |                | WY10B                                                 |
|-------------------------------------------------|----------------|-------------------------------------------------------|
| Machine specification                           |                |                                                       |
| Operating mass                                  | kg             | 10800                                                 |
| Bucket capacity                                 | m <sup>3</sup> | 0.4                                                   |
| Track tread                                     | mm             | 2600                                                  |
| Counter weight ground clearance                 | mm             | 920                                                   |
| Tail turning radius                             | mm             | 1945                                                  |
| Track tread                                     | mm             | 1900                                                  |
| Engine                                          |                |                                                       |
| Engine model                                    |                | LR4105ZG56                                            |
| Engine type                                     |                | four cylinder four stroke, water-cooled turbo-charged |
| Rated power                                     | kW             | 60                                                    |
| Rated rotational speed                          | r/min          | 2200                                                  |
| Max. Travelling speed                           | km/h           | 0 ~ 4.6                                               |
| Revolving speed                                 | km/h           | 0 ~ 12.4                                              |
| Gradeability                                    |                | 28 °                                                  |
| Hydraulic system                                |                |                                                       |
| Solid multiple way valve                        |                | Japanese Toshiba                                      |
| Hydraulic pump                                  |                | Japanese Toshiba                                      |
| Revolving motor                                 |                | Japanese Toshiba                                      |
| Traveling motor                                 |                | Made Teijiuseiki                                      |
| Rated working pressure                          | MPa            | 28                                                    |
| Overall dimension                               |                |                                                       |
| Width of the tip                                | mm             | 2410                                                  |
| Overall height (to the top of the driver's cab) | mm             | 2771                                                  |
| Overall length                                  | mm             | 6760                                                  |

### ■ Main Features

The WY10B caterpillar excavator adopts the YTO-LR4105ZG56 turbo-charged diesel engine, which is produced by using the advanced technologies from the British Ricardo Consulting Engineers. and is low in fuel consumption and low in noise. The hydraulic system adopts the full power range regulating variable load sensing open-style hydraulic system, which is mature in its technology, excellent in its operational performance and high in its reliability. The variable pump, the solid multiple way valve, and rotary-motor are from the Japanese Toshiba Co., Ltd. The travel motor is from the Japanese Teijin Seiki Company, Ltd., and its performance is outstanding. The hydraulic hoses are from the Italian Manuli Co., Ltd. All the sealing members are from the Italian Parker Hannifin Co., Ltd. and famous domestic companies. The running system adopts the fully rigid chassis of standard excavators. The frames are reinforced & X-shaped. The spring cushion tensioner protects the running mechanism from being impacted. The tension oil cylinder facilitates adjustment of the tensy of the tracks, which are impact resistant, outstanding in stability, reliable in utilization and able to cope with various kinds of working conditions calmly.





## YTO-WY6 Crawler Hydraulic Excavator

| Model                                     |                                       | WY6                |
|-------------------------------------------|---------------------------------------|--------------------|
| <b>Diesel engine</b>                      |                                       |                    |
| Model                                     | Cummins B3.3                          |                    |
| Type                                      | in-line, 4-cylinder, direct injection |                    |
| Rated power/ Rated rotational speed       | kW/(r/min)                            | 45/2200            |
| Bore × stroke                             | mm                                    | 95 × 115           |
| Displacement                              | L                                     | 3.3                |
| <b>Weight</b>                             |                                       |                    |
| Operating weight                          | kg                                    | 6000               |
| Counter weight-including bolts and spacer | kg                                    | 245                |
| <b>Service refill capacity</b>            |                                       |                    |
| Fuel tank capacity                        | L                                     | 110                |
| Cooling system                            | L                                     | 12                 |
| Hydraulic tank                            | L                                     | 90                 |
| <b>Hydraulic system</b>                   |                                       |                    |
| Main implement system- Max. flow          | L/min                                 | 155                |
| Max. pressure-implements(full time)       | MPa                                   | 22                 |
| Max. pressure-travel                      | MPa                                   | 22                 |
| Max. pressure-swing                       | MPa                                   | 19                 |
| Pilot system- Max. flow                   | L/min                                 | 10                 |
| Pilot system- Max. pressure               | MPa                                   | 3                  |
| <b>Dimensions</b>                         |                                       |                    |
| Overall Dimensions L × W × H              | mm                                    | 5945 × 1920 × 2600 |
| Track gauge                               | mm                                    | 1520               |
| Wheelbase                                 | mm                                    | 1990               |
| Ground clearance                          | mm                                    | 325                |
| Tail swing radius                         | mm                                    | 1548               |
| <b>Drive</b>                              |                                       |                    |
| Max. travel speed                         | km/h                                  | 0-2.52 / 0-4.81    |
| Swing speed                               | r/min                                 | 0-10.7             |
| Max. drawbar pull                         | kN                                    | 50                 |
| Max. gradeability                         | °                                     | 30                 |
| Track shoe pressure                       | kpa                                   | 31.7               |
| <b>Working ranges</b>                     |                                       |                    |
| Bucket max. digging force                 | kN                                    | 40                 |
| Boom max. digging force                   | kN                                    | 25                 |
| Max. digging Radius                       | mm                                    | 6100               |
| Max. digging depth                        | mm                                    | 3890               |
| Max. digging height                       | mm                                    | 5330               |
| Max. loading height                       | mm                                    | 3630               |
| <b>Bucket specifications</b>              |                                       |                    |
| Capacity                                  | m <sup>3</sup>                        | 0.18               |
| Width                                     | mm                                    | 705                |
| Teeth Qty.                                |                                       | 4                  |

### ■ Main Features

Flexibility for ideal use in urban construction and other space restricted sites.

◎Powerful and reliable originally mounted Cummins B3.3 engine, there is an optional engine as to the customer need.

◎Strong and durable construction components and undercarriage, rubber track is optional.

◎Exceptional efficiency and unmatched controllability from Japan and Italy renowned companies hydraulic for consistently high performance in all applications.

◎A dozer blade is equipped for shoving soil flat, also proven flexibility and versatility hammers, grab and ditch buckets.

◎Interior operator station layout increase operator space, exceptional comfort and accessible control elements easy of operation.

◎Complete customer support.



## WY10R Excavator



|                                      |       |                                                                                                    |
|--------------------------------------|-------|----------------------------------------------------------------------------------------------------|
| Model                                |       | WY10R                                                                                              |
| Machine specification                |       |                                                                                                    |
| Operating mass (rubber crawler type) | Kg    | 10300                                                                                              |
| Bucket capacity                      | M3    | 0.4                                                                                                |
| Max. traveling speed                 | Km/h  | 3.9                                                                                                |
| Revolving speed                      | R/min | 0-12                                                                                               |
| Gradeability                         |       | 28 °                                                                                               |
| Main pump                            |       |                                                                                                    |
| Type                                 |       | Variable plunger pump                                                                              |
| Max. Flow                            | L/min | 190                                                                                                |
| Hydraulic motor                      |       |                                                                                                    |
| Running                              |       | Radial plunger motor                                                                               |
| Diesel engine                        |       |                                                                                                    |
| Model                                |       | LR4105ZG56                                                                                         |
| Type                                 |       | 4-cylinder, water-cooled, vertical, 4-stroke,<br>turbo-charged direct injection combustion chamber |
| Rated power                          | k W   | 60                                                                                                 |
| Rated rotational speed               | R/min | 2200                                                                                               |

### ■ Main Features

The WY10R caterpillar excavator adopts the DFH-LR4105ZG56 turbo-charged diesel engine, which is produced by using the technologies from the British Ricardo Consulting Engineers, and is low in fuel consumption and low in noise. The hydraulic system adopts the full power range regulating variable load sensing open-style hydraulic system, which is mature in the technology, excellent in its operational performance and high in its reliability. The variable pump, the solid multiple way valve, and rotary-motor are from the Japanese Toshiba Co., Ltd. The travel motor is from the Italian Sauer Co., Ltd., and its performance is outstanding. The hydraulic hoses are from the Italian Manuli Co., Ltd. All the sealing members are from the Italian Parker Hannifin Co., Ltd. and famous domestic companies. The running system adopts the brand-new and special chassis designed on the basis of the mature DFH crawler tractor chassis manufacturing technologies combined with the specific requirements of the excavator to be used in operations, therefore the chassis has stronger reliability and better versatility. The excavator adopts the special-purpose- rubber tracks produced by the Japanese Bridgestone Co., Ltd, which have outstanding vibration-absorbing performance and realize the all road surface trafficability, making it more convenient and facile to be transferred from one site to another.





## PY220C-2/PY180D-2/PY180C-2/PY165C-2 Hydrodynamic Self-Propelled Motor Graders

| Model                      |       | CE PY220C-2         | CE PY180D-2        | CE PY180C-2        | CE PY165C-2        |
|----------------------------|-------|---------------------|--------------------|--------------------|--------------------|
| Operating mass             | kg    | 16900               | 16000              | 16000              | 15000              |
| Front axle load            | kg    | 5820                | 5150               | 5150               | 4150               |
| Rear axle load             | kg    | 11080               | 10850              | 10850              | 10850              |
| Max.forward speed          | km/h  | 36.8                | 38.2               | 38.2               | 40.4               |
| Max.backward speed         | km/h  | 24.8                | 24.5               | 24.5               | 25.7               |
| Speed gear number          |       | F6/R3               | F6/R3              | F6/R3              | F6/R3              |
| Turning radius             | mm    | 7800                | 7800               | 7800               | 7500               |
| Articulation angle         | °     | ± 25                | ± 25               | ± 25               | ± 25               |
| Steering angle,front wheel | °     | ± 45                | ± 45               | ± 45               | ± 45               |
| Hydraulic system pressure  | Mpa   | 18                  | 18                 | 18                 | 18                 |
| Blade lengthxheight        | mm    | 3965 × 610          | 3965 × 610         | 3965 × 610         | 3660 × 610         |
| Circle rotation angle      | °     | 360                 | 360                | 360                | 360                |
| Band cutting angle         | °     | ± 90                | ± 90               | ± 90               | ± 90               |
| Front wheel leaning angle  | °     | ± 17                | ± 17               | ± 17               | ± 17               |
| Wheel track                | mm    | 2150/2340           | 2150/2340          | 2150/2340          | 2150/2340          |
| Wheelbase                  | mm    | 6362                | 6362               | 6362               | 6062               |
| Engine manufacture         |       | CUMMINS             | SHANGHAI           | CUMMINS            | CUMMINS            |
| Engine model               |       | CUMMINS 6CT8.3-C215 | SHANGHAI D6114     | CUMMINS            | CUMMINS 6BTA5.9    |
| Engine power               | kW    | 158                 | 140                |                    | 125                |
| Engine speed               | r/min | 2200                | 2200               | 2200               | 2300               |
| Overall dimensions         | mm    | 8585 × 2790 × 3340  | 8585 × 2790 × 3340 | 8585 × 2790 × 3340 | 8285 × 2790 × 3340 |

### ■ Main Features

The self-propelled articulated motor grader is suitable for large-scale land leveling in foundation constructions. It can be used for ditching, grading, slope scraping, bulldozing, ripping, virgin land scarifying and snow-removing etc., which is modernized construction equipment of multi-functions and high-efficiency for high-class highway, railway, airport, harbors, dams, industrial ground and farmland.

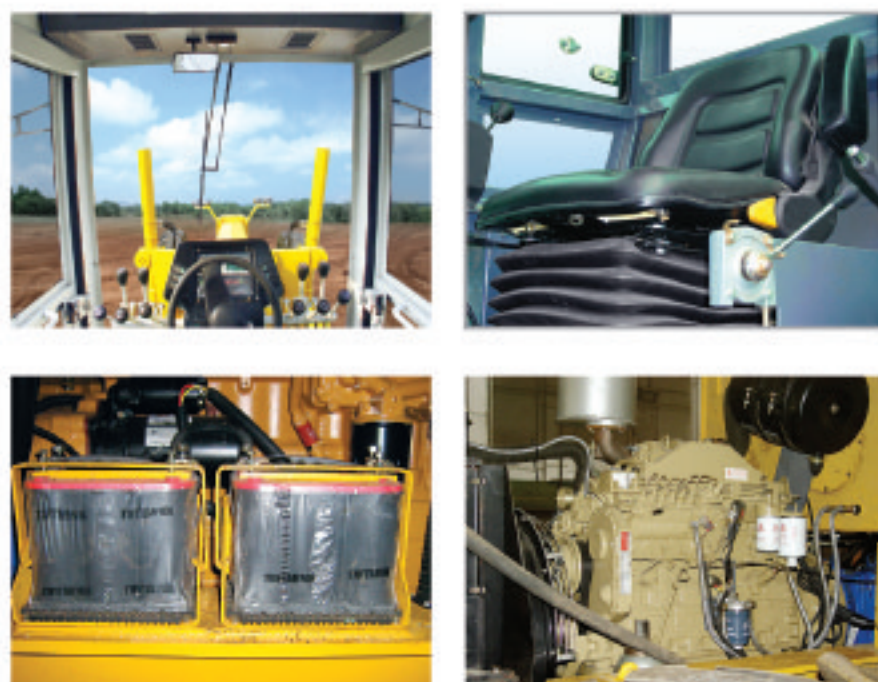
◎ Main components such as diesel engine hydraulic pumps, multiply control valve, dividing valve and differentials are made from international advanced companies.

◎ Whole engine hood and spacious operator's cab for good visibility within 1m × 1m distance, ease to maintain and operate.

◎ Torque converter and power-shift gearbox is operated electro-hydraulically, all the instruments and warning lights are indicated on the liquid-crystal screen digitally with flexible and light operations.

◎ Steering system with center articulated joint and tilt-able front wheels, together with oscillating balance case enhance the maneuverability of machine.

◎ Braking system with single-circuit accumulator brake control, caliper disc brake and mechanical parking brake for more safety and reliability.



## PY280G Hydrodynamic Self-Propelled Motor Grader

| Model                                                           |      | PY280G              |
|-----------------------------------------------------------------|------|---------------------|
| Engine                                                          |      |                     |
| Rated power                                                     | kW   | 231                 |
| Rated rev                                                       | rpm  | 2100                |
| Overall dimensions                                              |      |                     |
| Standard                                                        | mm   | 10595 × 3140 × 3650 |
| Standard with front bulldozing plate/rear ripper                | mm   | 12315 × 3140 × 3650 |
| Operating weight                                                |      |                     |
| Standard                                                        | kg   | 25000               |
| Standard with front bulldozing plate/rear ripper                | kg   | 27540               |
| Travelling speeds                                               |      |                     |
| Gear/speed(front)                                               | km/h | 8/4.4-39.9          |
| Gear/speed(rear)                                                | km/h | 4/4.4-30.2          |
| Machine specification                                           |      |                     |
| Min turning radius (central line of the outside on front wheel) | mm   | 9200                |
| Max tractive force                                              | kN   | 143                 |
| Gradeability                                                    | °    | 20                  |
| Blade size(L × W)                                               | mm   | 4920 × 787          |

### ■ Main Features

PY280G Grader:

◎ The most powerful engine with the Max. rated output in China.

◎ Cummins QSM11 EPA engine.

◎ Germany ZF transmission, forward 6/reverse 3, ensure better working efficiency.

◎ Germany REXROTH working pump, Germany ZF main transmission with proportion differential wheel side speed down with wet type arrester, all these ensure the transmission system's credibility and placidity.

◎ Emergency turning system to make sure the safety of both the drivers and machines.

◎ American made controlling valve makes it more agility for all kinds of operations.

◎ Blade floating device, worm wheel box with protection against over load can meet requirements of varies working conditions.





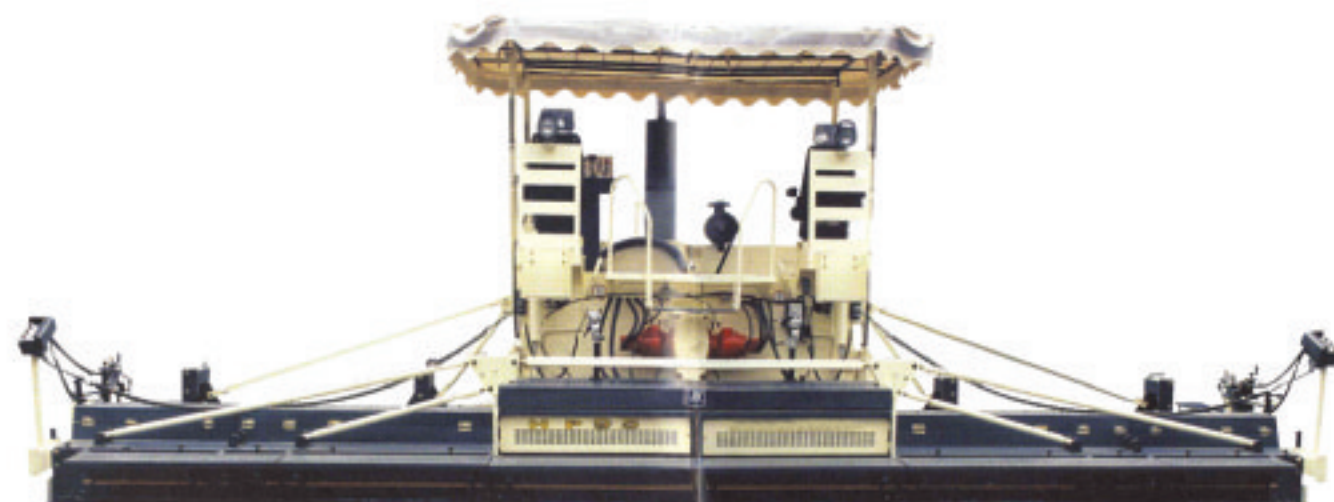
## LTL60B/WLT85B Paving Equipment

| Model                          |       | LTL60B             | WLT85B             |
|--------------------------------|-------|--------------------|--------------------|
| <b>Paving specification</b>    |       |                    |                    |
| Basic paving width             | mm    | 2500               | 3000               |
| Max. Paving width              | mm    | 6000               | 8500               |
| Paving thickness               | mm    | 10 ~ 250           | 20 ~ 320           |
| Paving speed                   | m/min | 2.03 ~ 6.07        | 2.00-6.25          |
| Max. amount of paved crown     | %     | 4                  | 3                  |
| Screw driving speed            | r/min | 39~118             |                    |
| <b>Machine specification</b>   |       |                    |                    |
| Traveling speed                | km/h  | 1.55 ~ 4.62        | 0.90 ~ 2.86        |
| Hopper capacity                | t     | 10                 | 12                 |
| Max. theoretical productivity  | t/h   | 220                | 500                |
| Gradeability Working climbing  | %     | ≥10                | ≥10                |
| No-load Climbing               | %     | ≥15                | ≥15                |
| Vibration frequency            | Hz    | 50                 | 0 ~ 33.3           |
| Scraper speed                  | m/min | 9.9~29.4           |                    |
| Heating method                 |       | Fuel heating       |                    |
| Total weight                   | t     | 11                 | 16.5 ~ 19.5        |
| <b>Diesel engine</b>           |       |                    |                    |
| Model                          |       | F4L912             | BF6L913            |
| Rated power                    | kW    | 46                 | 112                |
| Rated rotational speed         | r/min | 2000               | 2300               |
| <b>Overall dimensions</b>      |       |                    |                    |
| Overall dimensions (L × W × H) | mm    | 5740 × 2494 × 2450 | 6220 × 3270 × 3050 |

### ■ Main Features

The WLT85B paver has multiple functions and is suitable for such materials as stabilized soil, mixture of cement and lime powder and asphalt concrete. It is suitable for operations on general occasions. The paver adopts the advanced straight ironing plates and automatic leveling mechanism. It adopts the DEUTZ wind-cooled engine. The hydraulic pump and vibrating motor are products of Tianjin Hydraulic Machinery Plant. The transmission box is made by the China Second Automobile Works Group. The control valves are products from Beijing Huade Co., Ltd. The automatic leveling mechanism adopts domestic products. The main electric apparatus & switches are products of the German Moeller Electrical Equipment Co., Ltd. The relays are from the Shanghai Yili Nuoji Electrical Appliance Co., Ltd. The gear pumps are products of the German BOSCH Co., Ltd. The vibrating and stamping motor is imported.

The LTL60B paver has multiple functions and is suitable for paving asphalt on the road surface. It is suitable for operations on general occasions. The paver adopts the advanced double-layer hydraulically operated stretching ironing plates and the automatic leveling mechanism. It adopts the DEUTZ wind-cooled engine. The hydraulic pump and vibrating motor are products from Tianjin Hydraulic Machinery Plant. The transmission box is made by China Second Automobile Works Group. The control valves are products from Beijing Huade Co., Ltd. The automatic leveling mechanism is the product made in Changzhou Tonglian Co., Ltd.



Centralized control makes console very intuitionistic and convenient, shock absorption chair adjusted by any direction making operator very comfortable.



Auger hydraulic driving, stepless gear speed. Ultrasonic controlling.



Whole skeleton structure, hydraulic driving.



Double tamper screed

## ABH Series Asphalt Mixing Equipments



| Model                                      |                    | ABH1500                        | ABH2000       | ABH2500       | ABH3000            |
|--------------------------------------------|--------------------|--------------------------------|---------------|---------------|--------------------|
| Production capacity                        | t/h                | 90-120                         | 120-160       | 150-200       | 180-240            |
| Mixer                                      | kg/batch           | 1500                           | 2000          | 2500          | 3000               |
| Drying drum                                | mm                 | φ 1980 × 8000                  | φ 2200 × 8000 | φ 2650 × 9000 | φ 2650 × 9000      |
| Vibrating screen                           |                    | Four-layer and four-size       |               |               | 5-layer and 5-size |
| Accumulative stone measuring accuracy      | %                  | ± 0.5                          |               |               |                    |
| Stone powder material's measuring accuracy | %                  | ± 0.35                         |               |               |                    |
| Asphalt measuring accuracy                 | %                  | ± 0.25                         |               |               |                    |
| Noise around the operator's ears           | dB(A)              | ≤ 70                           |               |               |                    |
| Dust discharge density                     | mg/Nm <sup>3</sup> | Bag-type dust collection ≤ 100 |               |               |                    |
| Cold burden hopper capacity                | m <sup>3</sup>     | 8 × 4                          | 8 × 4         | 10 × 4        | 10 × 4             |

### ■ Main Features

It adopts the advanced modularized design, guaranteeing rapid transfer of working sites and convenient installation. The specially designed drying drum is high in its heat efficiency. The imported famous brand burner has a large turndown ratio. The full electronic scale sensors are precise and reliable. The double horizontal axles agitate powerfully so that the materials inside can be rapidly mixed evenly. The entire system is computerized and modernized for operation.





## MODU/BUDI Series Cement Concrete Mixing Plants

| Model                        |                   | MODU120  | MODU150 |
|------------------------------|-------------------|----------|---------|
| Production capacity          | m <sup>3</sup> /h | 90 – 109 | 120-150 |
| Mixing host machine capacity | m <sup>3</sup>    | 2        | 3       |
| Main electromotor power      | kW                | 74       | 110     |
| Aggregate measuring accuracy | %                 | ± 2      | ± 2     |
| Powder measuring accuracy    | %                 | ± 1      | ± 1     |
| Water measuring accuracy     | %                 | ± 1      | ± 1     |
| Discharging height           | m                 | 3.8      | 3.8     |
| Aggregate storage capacity   | m <sup>3</sup>    | 54       | 60      |
| Powder storage capacity      | t                 | 600      | 1000    |

| Model                        |                   | BUDI120 | BUDI150 | BUDI180 |
|------------------------------|-------------------|---------|---------|---------|
| Production capacity          | m <sup>3</sup> /h | 90-109  | 120-150 | 150-180 |
| Mixing host machine capacity | m <sup>3</sup>    | 2       | 3       | 4       |
| Main electromotor power      | kW                | 74      | 110     | 150     |
| Aggregate measuring accuracy | %                 | ± 2     | ± 2     | ± 2     |
| Powder measuring accuracy    | %                 | ± 1     | ± 1     | ± 1     |
| Water measuring accuracy     | %                 | ± 1     | ± 1     | ± 1     |
| Discharging height           | m                 | 3.8     | 3.8     | 3.8     |
| Aggregate storage capacity   | m <sup>3</sup>    | 54      | 60      | 100     |
| Powder storage capacity      | t                 | 600     | 1000    | 1000    |

### ■ Main Features

It is composed of the power system, mixing system, lubricating and sealing system, monitoring system, discharge gate which can discharge manually, etc. It is characterized by the totally accurate electronic weighing & measuring system, the imported double horizontal axle mixer for powerful agitating and automatic control by the computer. The computer control system can carry out production system control, management system control, monitoring system control, manual and automatic control, formula storage, report & list printing, modernized operation, etc., and so the system works reliably. The high-voltage control system adopts imported branded electric control elements and devices, which are high in quality, good in performance and reliable in functioning.

It adopts the magnificent storied building-type design, displaying enormous vigor. The roomy repair and maintenance space is convenient for maintenance and overhaul. It adopts the brand-new environmental protection philosophy in its designing. It is characterized by the totally accurate electronic weighing & measuring system, the imported double horizontal axle mixer for powerful agitating and control by computer. It has a fully closed structure, guaranteeing low noise and little dust.



## ZJY5100TYHL/LXZYH1000/LXZYH1300 Asphalt Pavement Maintenance Truck/Asphalt Milling Machines

| Model                                |      | ZJY5100TYHL        |
|--------------------------------------|------|--------------------|
| Chassis model                        |      | dongfengEQ3092FJ   |
| Engine power                         | KW   | 99                 |
| Max. traveling speed                 | Km/h | 85                 |
| Max. number of passengers in the cab |      | 6 persons          |
| Hopper capacity                      | Kg   | 3000               |
| Asphalt tank capacity                | L    | 100                |
| Roller length                        | mm   | 1625               |
| Roller's linear pressure             | N/cm | 200-300            |
| Road rolling operation's speed       | Km/h | 1.5-3              |
| Total mass                           | Kg   | 6500               |
| Overall dimensions (L × W × H)       | mm   | 7000 × 2455 × 2600 |

### ■ Main Features

It adopts the Japanese Seigi technology, providing multi-functional asphalt road surface maintenance. It is fully hydraulically driven. Its structure is compact, flexible and mobile, contributing to its high operational efficiency. Its major performance indexes have reached the levels of the same kind of foreign products. Mobile and flexible: The high-quality Dongfeng chassis truck is stable and reliable in its performance and safe and fast in its driving, expanding the maintenance range.

| Model                 |       | LXZYH1000 | LXZYH1300 |
|-----------------------|-------|-----------|-----------|
| Milling width         | mm    | 1000      | 1300      |
| Milling depth         | mm    | 0-100     | 0-120     |
| Milling speed         | m/min | 0-13      | 0-14      |
| Traveling speed       | km/h  | 0-11      | 0-12      |
| Discharge belt width  | mm    | 400       | 400       |
| Max. discharge height | mm    | 3100      | 3100      |
| Min. turning diameter | m     | 18        | 20        |
| Engine power          | kW    | 112       | 136       |
| Total weight          | kg    | 13500     | 15800     |

### ■ Main Features

It is self-propelled by its tyres and is fully hydraulically driven. It can mill flat and trim the asphalt waves, asphalt humps and ruts on the road surface and can mill cement road surface. It can conduct large-area road surface milling and antiskid galling of the road surface.





## DZ-100/DZ80G/YTO2302R-100 Self-Propelled Rubber Crawler Power Stations

| Model                                |        | DZ80G              | DZ-100               | YTO2302R-100       |
|--------------------------------------|--------|--------------------|----------------------|--------------------|
| <b>Machine specification</b>         |        |                    |                      |                    |
| Chassis model                        |        | 1352-JZK           | T90                  |                    |
| Overall dimensions (L × W × H)       | mm     | 5100 × 2370 × 2800 | 5050 × 2370 × 2800   | 5954 × 2385 × 2950 |
| Total weight of the complete machine | kg     | 8800               | 11200                |                    |
| Average specific ground pressure     | kPa    | ≤35.3              | ≤52.7                | 48                 |
| Rated traction force                 | kN     | 85                 | 35                   | 35                 |
| Generator model                      |        | UCL274C2           | UCL274E2             |                    |
| <b>Engine</b>                        |        |                    |                      |                    |
| Model                                |        | LR6105ZT51         | 6BTA5.9/LR, 6105ZT55 | CA6110/125ZL       |
| Rated power                          | KW     | 100                | 132/140              | 145 (12h)          |
| Rated rotational speed               | rpm    | 2300               | 2500                 | 2300               |
| Specific fuel consumption            | g/kw.h | ≤228               | ≤235                 | ≤202               |
| <b>Lorry-mounted crane</b>           |        |                    |                      |                    |
| Height                               | mm     | 1500               | 1500                 | 1700               |
| Arm length                           | mm     | 3000/5000          | 3000/5500            | 4000/5000          |
| Rated static lifting height          |        | 1000kg at 5m kg    | 1500kg at 5m kg      | 1100kg at 5m kg    |

### ■ Main Features

The self-carried power generating system can provide a power supply of 100KW/125KVA. The vehicle adopts the YTO T90 industrial chassis. The engine adopted is from either the LR105ZT55 turbo-charged or the Cummins 6BTA engine series, which guarantees adequate power reserve and sufficiently guarantees the power demands of the complete machine. It has a mating lorry-mounted crane, which is of the hydraulic hoisting, variable amplitude, turning, extending and retracting type, and the lazy arm's total length is 5.5m. The vehicle has a relatively strong traveling and trafficability performance, and meanwhile, it can provide enough space for the arrangement mounted onto the top of it.

The self-carried power generating system can provide a power supply of 80KW/100KVA or 100KW/125KVA. The vehicle adopts the 1352-JZK chassis, which is specifically used in mobile power stations and is developed by our own. This chassis can be used as a carrier of full automatic welding machines. The vehicle has a good stability when traveling with lifted load. The approach angle and the departure angle are enlarged, the climbing capacity is strong, and the traction force is powerful. The narrow axle base on either side is deployed with 3 sets of bogies and 6 carrier rollers, whose load-carrying capacity is extremely strong. The tracks' ground length is long and therefore the average specific ground pressure is small. The Stamford generator adopts technologies from SIEMENS. The welding machines are LIMCEN products.

The engine is of the CA6110/125ZL model of turbocharged intercooled diesel engine produced by Wuxi Diesel Engine Factory, which can guarantee the power station's reliable traveling in plateau regions. Alternatively, it may be the Cummins 6BTA5.9-C132 engine. The power station's engine has an additional electronic speed-regulating device made by the German EETS Co., Ltd, and it greatly enhancing the stability of the generator's rotational speed when the load is variable. The power output can guarantee the simultaneous work of four LINCON DC400 welding machines. Besides, the power station can be equipped with output interfaces for an air compressor, medium frequency power supply, drying box and various other kinds of electric apparatus. The transfer case adopts the bevel gear trans-mission and engagement sleeve gear shifting, and it also adopts the pressure lubrication mode, thus enhancing the load-carrying capacity of the gears and lowering the transmission noises. The transfer case adopts a two-gear structure and can select different gears when carrying different loads. The operating system adopts the remote pilot-controlled hydraulic servo, making the operating of the complete machine lighter and more convenient and labor-saving. The driver's cab adopts the British TM cab for the heavy-duty vehicle, whose internal space is capacious and comfortable to ride inside. Besides, the cab can turn upwards, convenient for the maintenance of the engine. The hydraulic bracket crane adopts a fully automatic structure which can extend and retract hydraulically, rise and fall hydraulically and turn hydraulically, and its maximum lifting weight can reach 1.5 t. The lengthened working mechanism platform can be matched together with four DC400 welding machines, air compressors, drying boxes, etc.



## HBT60S/HBT60C/HBT60D/HBT70RS Towed Concrete Pumps



| Model                              |                   | HBT60S             | HBT60C             | HBT60D             | HBT70RS            |
|------------------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| Operating mass                     | kg                | 6750               | 6400               | 6250               | 6790               |
| Pumping pressure, low mode         | MPa               | 11                 | 11                 | 8                  | 10                 |
| Pumping pressure, high mode        | MPa               | 16                 | 16                 | 13                 | 14                 |
| Concrete output, low model         | m <sup>3</sup> /h | 67                 | 67                 | 71                 | 77                 |
| Concrete output, high model        | m <sup>3</sup> /h | 46                 | 46                 | 41                 | 53                 |
| Delivrey height                    | m                 | 350                | 250                | 200                | 250                |
| Delivrey distance                  | m                 | 1500               | 850                | 700                | 850                |
| Concrete cylinder(Diameter/stroke) | mm                | 200 × 1800         | 200 × 1800         | 200 × 1600         | 200 × 1800         |
| Hopper capacity                    | m <sup>3</sup>    | 0.8                | 0.8                | 0.8                | 0.8                |
| Main motor power                   | kW                | 110                | 90                 | 90                 | 138                |
| Overall dimensions                 | mm                | 6500 × 2100 × 2250 | 6500 × 2100 × 2250 | 6200 × 2100 × 2200 | 6500 × 2250 × 2310 |

### ■ Main Features

This series are excellent modernized concrete machinery developed with aid of advanced technology at home and abroad. They are made up of imported components at all the spot parts, suited for concrete pumping working onto height and distance in various construction sites such as buildings, bridges and tunnels, irrigations, airports, seaports and industrial grounds etc.

- ◉Germany REXROTH electric-ratio hydraulic pump with EH control valve to achieve adjustable output of cement concrete for various working conditions.
- ◉Germany BECK-MAX concentrating lubrication system at 28Mpa system pressure with fully lubricating to key spots to prolong service life.
- ◉JAPAN MITSUBUSHI PLC controller to realize intelligent control of concrete pump.
- ◉France SCHNIDER soft starter to assure normal operation at zero-pulse starting even if electricity supply is poor in the building site.
- ◉Optimal designed hopper with less dead mixing corner to reduce remain of concrete for convenient cleaning.
- ◉Concrete pistons can be spot-moved or stopped at any position for easy to dismount.
- ◉The reverse pumping function can be used to clean the concrete tube when it is blocked temporarily.
- ◉Excellent maintainability in machine design and structure.



International brand hydraulic component



New concrete hopper structure



Patented mixing device



Hydraulic filtering device with clog warning device

