

Construction Equipment



Allbest Creative Development Ltd. (ALLBEST)

Scope of Machinery

1. Excavation Machinery

Single-bucket Excavator, Multi-bucket Excavator, Tunnel Jumbo, Tube Jumbo, Trench-digging Jumbo, Multi ditch Excavator, Tunnel Excavator, Loader-excavator, etc.

2. Earth-moving Machinery

Bulldozer Loader, grader Scraper, Truck, Platform, Dumper, etc.

3. Lifting and Hoisting Machinery

Mobile, Crane, Wheel-type Crane, Crawler-type Crane, Tower Crane Pipe Crane, Lattice-boom Crane, Cable-operated Crane, Hoisting Machine, Lifting Machine etc.

4. Compacting Machinery

Roller, Vibrating Roller, Pneumatic Typed Roller, Compactor, etc.

5. Road Building Machinery

Road Plow Machinery, Soil Stabilizing Mixer, Soil Stabilizing Paver, Stone Paver, Niter Spreader, Asphalt Spraying Machine, Asphalt Concrete Paver, Cement Concrete Paver, Concrete Compactor, cold Milling Machine, Asphalt Emulsifying Machine, Asphalt Mixing Equipment, Asphalt Recovery Machine, In Situ Asphalt Recycler, Concrete finishing Machine Splitting Machine for Concrete Road, Snow-plow Machinery, Curb Repairing Machine, Comprehensive Road Service Truck etc.

6. Pile Work Equipment

Diesel Pile Hammer, Diesel Hammer Pile Frame, Vibrating Extract Pile Frame, Pile Engine. Drill Machine, Hole Shaping Machine, Vibrating Blast Machine, Fall-hammer Pile Engine, etc.

7. Concrete Machinery

Concrete Mixer, Concrete Mixing Center, Concrete Mixing Plant, Truck Mixer, Concrete Pump, Concrete shooting Machine, Concrete Placer, Concrete Vibrator, etc.

8. Prestressed Reinforcement Machinery

Steel Bar Reinforcing Machine, Reinforcement Machine Tool, Reinforcement welding Machine, Priestesses Oil Pump, Prestressed Reinforcement Pressing Machine, Prestressed Reinforcement Drawing Machine, Hole Shaping, Machine Bunching Machine, Placer, etc.

9. Fork-lift and other Industrial Vehicle

Fork-lift Truck, Stacking Truck, Mobile Carrying Truck, Hand Carrying Truck, Hand Lifting Truck, etc.

10. Equipment for Erection & Repair Work

Slurry Making and Painting Machine Coat Painting Machine, Floor Finishing Machine, Roof Machine, Decoration Lifting Platform & Basket, etc.

11. Machinery for City Infrastructure Construction

Municipal Engineering Machinery, Sanitary Machinery, Garden Machine, City Gassing and Heating Equipment, etc.

12. Rock driller

Rock Drilling , Jumbo. Drilling Machine, Breaker Rock Drilling, Attachments, etc.

13. pneumatic Tool

Rotary Pneumatic Tool, Blast Pneumatic Tool Other Kind of Pneumatic, etc.

14. Track Laying Equipment

Ballasting Machinery, Track Layer, Special Transport Vehicle, Special Loading-unloading Machinery Measuring Machine, Rail Base Maintenance Machinery, etc.

15. Military Construction Machinery

16. Other Special Construction Machinery

High-altitude Work Machinery, Pole Vehicle, Salt collecting Machine, etc.

17. Parts and Components of the Construction Machinery

Crane Chassis, Engine, Transmission Gear Box, Hydraulic Components, Steering Axle, Drive Axle, Track Roller Sprocket, Carrier Roller, Idler Track assembly, Electronic Monitor, Instrument Panel Rotary bearing, Electricity Unit, etc.

A close-up photograph of soil with a distinct, wavy, textured pattern, likely from a plowed field. The soil is a warm, golden-brown color. The lighting creates deep shadows in the crevices of the soil ridges, highlighting their three-dimensional structure. The background is softly blurred, focusing attention on the intricate details of the soil's surface.

Earth-moving Machinery

Grader (PY120)

Features:

Torque converter with advanced punch & welding technology, Power shifting transmission with constant shaft, type Z304 and the engine Matched in plateau area, working in elevation height of 4500m.

In Rear driving axle of three section structures, "No SPIN Differential "which has been patented is assembled in it.

Hydraulic operating system with synchronic/sensitive double. Pumps and double circuits, assembling operating valves made in American, confluent valve of the system make moving speed of oil cylinder increase a double.

Rim brake in medium-rear wheel, air and hydraulic combined operating.

Articulating frame, Front axle with large oscillating angle, Oscillating tandem Boxes.

Cab with "French Green" color glasses to inhibit ultraviolet light.

The whole front frame is formed by hot-press formation, NC-welding.

Heavy blade can lengthen service life to get 100%.



Overall dimension (L*W*H)

Standard.....7200×2310×3110mm

With front bulldozing plate/Rear
ripper8900×2400×3110mm

Wheel base between front axle and Rear
axle...5093mm

Track between front axle and Rear
axle.....1940mm

Engine

Model.....6100/125Z-5J

Rated output.....88KW/120PS

Rated rev.....2200r/min

Max.torque(1300-1400).....465Nm

Max. torque rev.....1350r/min

Weight

Standard.....9800kg

With front bulldozing plate/Rear ripper...10900Kg

Transmission

Traveling Speeds

Speeds/Gears I II

Working gear km/h 5.7 11.4

Traveling gear km/h 20.7 41.5

Max. tractive force (at adhesive coefficient
=0.75).....49KN

Min turning radius (central line of the outside on
front wheel)...6.7m

Max. Climbing gradient.....20°

Blade

L*Chord3355×570mm

Cycling angle.....360°

Max. Inclined angle (left/right)76° /117°

Max. depth in ground.....450mm

Wheels

Tyre specification 16/70-20EM

Bulldozing Plate (optional)

W*L 2350×775mm

To front axle.....1355mm

Max. depth in ground115mm

Ripper (optional)

Ripping width1650mm

Max. Cutting depth in ground.....275mm

Teeth numbers.....5

Grader (PY160C)

Standard version

Flywheel horsepower 125 kW 170 PS 168 HP

Blade width 3,660 mm 12 ft

Operating weights (approx.)

On front wheels 3,850 kg 8,490 lb

On rear wheels 9,800 kg 21,610 lb

Total (standard) 13,650 kg 30,100 lb

Engine

Flywheel power: 125 kW/ 170 PS/ 168 HP @ 2,200 RPM

Maximum torque: 617 Nm @ 1,500 RPM

Standard engine equipped with fan, air cleaner, alternator, water pump, oil pump, fuel pump, and muffler under SAE standard conditions.

Cummins 6BTA-C125 six-cylinders in-line direct injection diesel engine, water-cooled, turbocharged, 5.90 L In. displacement

Forced feed lubrication with full flow filter, dry type air filter with precleaner and safety cartridge, 24-volt electrical system,

Transmission

TG355A torque converter magnifies output torque for high traction. Constant meshed Z304 constant-shaft power shift transmission with 4 multi-disc clutches provides smooth hydraulic directional/ speed changes and mechanical high-low shifting.

Traveling speeds, forward & reverse (at rated engine RPM)

Low 1st 2nd High 1st 2nd

Km/h 6.05 12.1 21.45 38.61

MPH

Gradeability: 20% / 36%

Drawbar pull at 0.8 traction coefficient: 76,910 N/ 17,280 lb



Final Drive

Sturdy welded box section tandem case with heavy duty roller chain drives for four rear wheels

Tandem oscillation 15° forward 15° reverse

Axles

Front : box type beam oscillating and steering axle

Center ground clearance of 630 mm/ 25" and total oscillation angle of 30° assure stability in poor underfoot conditions. Front wheels lean 17° left and right.

Rear: 3-section axle with primary main shaft reduction and wheel side planetary reduction plus "NO-SPIN" differential provides full traction even with wheel slip on one side.

Wheels

Rims: 14.00/1.5-25(TB)

17.5-25 14PR traction type G-2 tires, optional G-3 tires

Interchangeable rim and wheel assembly with:

Inflation pressure: front & rear : 1.5 ?1.75 bar/ 26.9 - 29.0 PS

Steering

Front-wheel kingpin steering, 45° left and right.

Independent hydraulic system with gear pump supplies oil via the auxiliary steering with check valve and relief valve to two steering cylinders for accurate and smooth maneuvers. System relief pressure 150 bar/ 2,175 PSI

Articulated frame steering with two double acting hydraulic cylinders, 25° left and right.

Minimum turning radius:

Straight frame without wheel lean: 10,700 mm/ 35' 1"

Straight frame with wheel lean: 10,200 mm/ 33' 6"

Articulated frame with wheel lean: 7,500 mm/ 24' 7"

Frame

Front: two flat U profile sections welded together to form a high strength torsion resistant boxed section structure

Rear: torsion resistant welded box sectioned structure

ROPS/ FOPS Cab

ROPS/ FOPS according to DIN and ISO standards

Sound suppressed all steel cab with panorama safety glass provides excellent visibility and best possible view of all leveling and digging operations. Two sliding doors provide unobstructed access. Rear frame mounted cab position ensures that operator faces always in the natural direction of machine travel even during offset operation.

Ergonomic design with fully adjustable sprung seat, clear instrument panel, and easy to reach control levers and switches. Air conditioning with heating and cooling is optional.

Roadability

Headlamps, work lights, directional lights, tail/ stop lights, mirrors and horn are fitted to comply with regulations of most countries

Brakes

Service brakes: foot operated air over dual

circuit hydraulic system with standard drum brakes acting on all tandem wheels provides sure and effective braking even when engine stalls. Automatic adjusting disc brakes optional.

Parking brake: spring applied air release disc brake mounted on transmission output shaft, functioning also as auxiliary and emergency brake.

Continuous brake: torque converter with fixed stator functioning as permanent brake during long downhill travel.

Hydraulics

Tandem gear pump supplies oil to two independent

hydraulic circuits providing simultaneous actuation of all hydraulic functions. Blade rotation is effected by a sturdy hydraulic motor via a worm gear drive, while other functions through hydraulic cylinders with hard chromed piston rod and rolled cylinder wall for long life and minimum maintenance. Flow control valves ensure smooth hydraulic actions irrespective of engine speed; check valves and lock valves prevent blade drift due to implement weight.

Hydraulic functions:

Blade lift/ lower, left Blade rotation

Blade lift/ lower, right Wheel lean, left/ right

Blade center shift, left/ right Frame articulation, left/ right

Blade side shift, left/ right Front dozer, lift/ lower (option)

Blade tip, forward/ backward Rear ripper, lift/ lower (option)

System working/ relief pressure : 160 bar/ 2,320 PSI

Blade Equipment

Drawbar: welded box section triangular frame of

low-carbon alloy steel for maximum strength. Four widely spaced shoes all with vertical and horizontal adjustments support the circle.

Circle: special steel welded construction of diameter 1,350 mm/ 4' 5" provides smooth 360° rotation. Uniform CNC machine cut teeth, 32 mm/ 1.3" thick, all surface hardened. Optional roller type circle with special hardened steel balls ensures long life and accurate circle movement. Roller type circle is sealed for minimum maintenance.

Moldboard: wear resistant steel, with replaceable cutting edges and endbits, box-section reinforced.

Length x height x thickness: 3,660 mm x 610 mm x 20 mm/ 12' x 2' x 0.8"

Cutting edge: heat treated 65 Mn steel

Width x thickness 152 mm x 16 mm/ 6" x 0.6"

Blade Range

Maximum reach outside of tires (straight frame):

left 1,540 mm/ 5' 1" right 2,100 mm/ 6' 11"

Circle center shift: left 308 mm/ 12.1" right 868 mm/ 34.2"

Moldboard side shift: left & right 700 mm/ 27.6"

Maximum blade position, both side: 90°

Maximum lift above ground: 480 mm/ 19"

Maximum depth of cut: 500 mm/ 19.7"

Blade cutting angle 36° - 66°

Electrics

24 volt electrical system:

2 x 12 V 135 Ah batteries, 45 A alternator

Service Refill Capacities

Fuel tank: 180 l / 47.7 US Gallon

Hydraulic system: 80 l / 21.2 US Gallon

Engine crankcase: 24 l / 6.4 US Gallon

Transmission: 40 l / 10.6 US Gallon

Rear axle: 28 l / 7.4 US Gallon

Tandem case each side: 23 l / 6.1 US Gallon

Worm gear housing: 2.5 l / 0.66 US Gallon

Grader (PY180)

Shanghai Diesel Engine D6114 or WD615、6BTA, Specially matching for Engineering machineries. In Rear driving axle of three section structures, "No-SPIN Differential" which has been patented is assembled in it. Hydraulic operating system with synchronic/sensitive double pumps and double circuit, assembling operating valves made in American. In all hydraulic braking system, braking valve and pressure limit valve made in Rexroth company, Germany. All hydraulic steering of front wheel, small circling radius makes turning more flexible. "Circling Ring-gear of rolling plate" which has been patented is the structure for circling the blade, on-maintenance & adjustment, suitable for to assemble auto-leveling laser device. Cab with "French Green" color glasses to inhibit ultra violet light, moving console suitable for all operators. The whole front frame is formed by hot-press formation. NC welding. Heavy blade can lengthen service life to get 50%. Suitable for assembling ZF Transmission.



Standard.....
 8700×2595×3340mm
 With front bulldozing plate/Rear
 ripper10330×2740×3340mm
 Wheel base between front axle and Rear
 axle...6216mm
 Track between front axle and Rear
 axle.....2150mm
 Engine
 Model D6114ZG17Aa 6110/125Z2J 6110/125ZG9
 Maker ShangChai DaChai XiChai
 Rated output (KW/PS) 136/185 147/200 147/200
 Rated rev. (r/min) 2300 2500 2500
 Max. Torque (Nm) 678 650 650
 Max. Torque rev. (r/min) 1610 1600 1400-1600

Weight
 Standard/With front bulldozing plate/Rear
 ripper.....15400Kg
 Transmission
 Traveling Speeds
 Speed/Gear I II III IV V VI
 Forward km/h 5.23 7.94 11.84 17.85 25.0 36.08
 Reverse km/h 5.23 11.84 25.0

Max. tractive force (at adhesive coefficient
 =0.75).....79KN
 Min turning radius (central line of the outside on
 front wheel)...7.8m
 Max. Climbing gradient.....20°
 Blade
 L*Chord3965×650mm
 Cycling angle.....360°
 Max. Inclined angle (left/right) ...90°
 Max. depth in ground.....500mm
 Wheels
 Tyre specification 17.5-25PR14
 Bulldozing Plate (optional)
 W*L 2740×920mm
 To front axle.....1550mm
 Max. depth in ground 205mm
 Ripper (optional)
 Ripping width2000mm
 Max. Cutting depth in ground.....315mm
 Teeth numbers.....5

Grader (PY200)

Cold-starting at low temperature, normal working in elevation height of 4500m.

Plateau starting battery at low temperature (optional imported solid Battery).

In rear driving axle of three section structures, "No-SPIN Differential" which has been patented is assembled in it.

Hydraulic operating system with synchronic/sensitive double pumps and double circuit, assembling operating valves made in American.

In all hydraulic braking system, braking valve and pressure limit valve made in Rexroth company, Germany.

All hydraulic steering of front wheel, small circling radius makes turning more flexible.

"Circling Ring-gear of rolling plate" which has been patented is the structure for circling the blade, non-maintenance & adjustment, suitable for to assemble auto-leveling laser device.

Cab with "French Green" color glasses to inhibit ultra violet light, moving console suitable for all operators.

The whole front frame is formed by hot-press formation. NC welding.

Suitable for assembling ZF Transmission..



Overall dimension (L*W*H)
 Standard.....
 8700×2595×3340mm
 With front bulldozing plate/Rear
 ripper10330×2740×3340mm
 Wheel base between front axle and Rear
 axle...6216mm
 Track between front axle and Rear axle...2150mm
 Engine
 Model.....WD615
 6CTA8.3-C215
 Rated
 output.....136KW/185PS
 Rated rev..... 2300r/min
 Max. Torque..... 678Nm
 Max. Torque rev. 1610r/min
 Weight
 Standard/With front bulldozing plate/Rear
 ripper...15400Kg
 Transmission
 Traveling Speeds
 Speed/Gear I II III IV V VI
 Forward km/h 5.23 7.94 11.84 17.85 25.0 36.08
 Reverse km/h 5.23 11.84 25.0

Max. tractive force (at adhesive coefficient
 =0.75).....79KN
 Min turning radius (central line of the outside on front
 wheel)...7.8m
 Max. Climbing gradient.....20°
 Blade
 L*Chord965×650mm
 Cycling angle.....360°
 Max. Inclined angle (left/right)90°
 Max. depth in ground.....500mm
 Wheels
 Tyre specification17.5-25PR14
 Bulldozing Plate (optional)
 W*L 2740×920mm
 To front axle.....1550mm
 Max. depth in ground 205mm
 Ripper (optional)
 Ripping width2000mm
 Max. Cutting depth in ground.....315mm
 Teeth numbers.....5

Grader (PY220)

STEYR Diesel Engine WD615, Specially matching for Engineering machineries.

In Rear driving axle of three section structures, "No-SPIN Differential" which has been patented is assembled in it.

Hydraulic operating system with synchronic/sensitive double pumps and double circuit.

All hydraulic steering of front wheel, small circling radius makes turning more flexible.

All hydraulic steering of front wheel, small circling radius makes turning more flexible.

Cab with "French Green" color glasses to inhibit ultra violet light.

Heavy blade can lengthen service life to get 50%.

The whole front frame is formed by hot-press formation. NC welding.



Overall dimension (L*W*H)
 Standard..... 9230×2800×3470mm
 With front bulldozing plate/Rear
 ripper10800×2890×3470mm
 Wheel base between front axle and Rear
 axle.....6560mm
 Track between front axle and Rear
 axle.....2280mm
 Engine
 Model.....
 ...H615561G20
 Rated
 output.....169KW/230PS
 Rated rev.....
 2600r/min
 Max. Torque.....
 750Nm
 Max. Torque rev. 1500-
 1700r/min
 Weight
 Standard.....19000Kg
 With front bulldozing plate/Rear
 ripper.....21000Kg

Transmission
 Traveling Speeds
 Speed/Gear I II III IV V VI
 Forward km/h 5.74 8.73 13.02 17.49 26.98 38.98
 Reverse km/h 5.74 13.02 26.98
 Max. tractive force (at adhesive coefficient
 =0.75)..... 108KN
 Min turning radius (central line of the outside on front
 wheel)...8.5m
 Max. Climbing gradient.....20°
 Blade
 L*Chord 4422×688mm
 Cycling angle.....360°
 Max. Inclined angle (left/right)90°
 Max. depth in ground.....500mm
 Wheels
 Tyre specification 20.5-25PR16
 Bulldozing Plate (optional)
 W*L 2890×1080mm
 To front axle.....1500mm
 Max. depth in ground 200mm
 Ripper (optional)
 Ripping width2000mm
 Max. Cutting depth in ground.....315mm
 Teeth numbers.....5

Bulldozer (T180)

T180 crawler type bulldozer is produced on the basis of Technical Cooperation Contract signed and manufactured and Inspected strictly In accordance with the drawings and technical documents of D65E-8 bulldozer provided by Komatsu Ltd. Its power-transmission system has utilized torque converter and power-shift transmission, so Its operation Is easy and light touch, high productivity. And the machine has been meet up to the 1980's world advanced level. TY180C bulldozer can be equipped with various kinds of blade (straight-tilt and angle) and other accessories, such as ripper, planetary winch, ROPS etc, therefore it is very suitable for hard soil and stone work.



Engine

Manufactured factory: CHONGQING CUMMINS
ENGINE COMPANY LTD.

Engine model: Cummins NT855-C280

Engine type: six cylinders, In-line, vertical, water-
cooled, 4-stroke-cycle, turbo-charged, overhead
valve directs Injection

Cylinder Number-Bore × Stroke: 6-140 × 152 (mm)

Rated Rotation speed: 1850(r/min)

Rated Horsepower: 132.4 (kw)

Max. Torque: 923 / 1250 (N·m / rpm)

Fuel Consumption: ≤212 (g/kw·h)

Starting method: 24V 7.5kw electric starting

Main specification

Mode of blade: Straight- tilt

Operating weight: 18392 (kg)

Ground pressure: 67 (kPa)

Min. turning radium: 3.2 (m)

Grade ability: 30 (°)

Max. pulling force: 147.2 (kN)

Speeds (km/h): Forward First speed: 0~3.9Second
speed: 0~6.8Third speed: 0~ 10.6

Backward First speed: 0~5.0Second speed:

0~8.6Third speed: 0~13.4

Track Gauge: 1880 (mm)

Track ground length: 2635 (mm)

Shoe width: 510 (mm)

Min. ground clearance: 400 (mm)

Overall dimension (length × width × height):
5025 × 3416 × 3041 (mm)

Blade overall dimension (width × height):
3416 × 1150 (mm)

Blade cutting angel: 55 (°)

Blade Max. tilt adjustment: 860 (mm)

Blade Max. lift above ground: 1125 (mm)

Blade Max. drop below ground: 585 (mm)

Blade capacity: 3.58 (m³)

Working efficiency (for 20m moving): 289

Bulldozer (TY160)

Length × Width × Height(mm)

5025 × 3416 × 2780

Operating weight (kg) 17385

Make and model WD615T 1-5 or NT855-C280

Rated horsepower(kw) 120

RPM at Max. torque (rpm) 1850

Length of track on Ground (mm) Ground

Pressure (KPa) 2430 / 68

Grade ability 30°

Speed range Forward (km/h) 0~3.8 / 0~6.6 /
0~10.6

Speed range Reverse (km/h) 0~4.9 / 0~8.5 /
0~13.6

Type Tilt dozer / Angle dozer

Width × Height (mm) 3416 × 1149 / 3970 × 1040

Max. drop below ground level (mm) 545 / 530

Max. lift above ground level (mm) 1095 / 1110

Max. ripping depth (mm) 572

Max. lifting height (mm) 702

Type 3shanks



Bulldozer (TY230)



ENGINE

Model CUMMINS NT855(BCIII)

Type Turbocharged, Water-cooled, Vertical, four-stroke

Number of cylinders-bore × stroke 6-

139.7mm × 152.4mm

Piston displacement 14010mL

Flywheel horsepower 169kW

Rated speed 2000rpm

Max. torque 1050N·m/1400rpm

Fuel consumption ratio 235g/kW.h

TRANSMISSION

Torque converter 3-element, single-stage, single phase

Transmission

Type planetary gear, multiple-disc clutch hydraulic actuated, hand operated, forced

Gearshift 3 forward and 3 reverse speeds

Bevel gear shaft Spiral bevel gear splash lubrication

Steering clutch Wet type, multiple-disc clutch type, spring pressured, hydraulically actuated, hand operated.

Steering brake Wet type, band brake, foot operated (with hydraulic booster), interconnected with clutch.

FINAL DRIVE

Final drive spur gear, double reduction, splash lubrication

TRAVELLING DEVICE

Suspension oscillation-type, equalizer bar

Number of carrier rollers (each side) 2

Number of track rollers (each side) 7

Number of front idler (each side) 1

TRACK

Type Assembled type, single grouser

Pitch × width 216 × 560mm

Number of track shoes (each side) 39

Ground pressure 79kPa

Ground Clearance 435mm

HYDRAULIC SYSTEM

Hydraulic system with pilot controlling

Rated pressure 13.7MPa

Rated pressure of pilot controlling 2.5MPa

Pump

Displacement 162L/1000rpm

Pilot pump

Displacement of pilot pump 10mL/rpm

Pilot valve Sliding spool

Main valve Sliding spool

EQUIPMENT

Angle dozer (optional) / Tilt dozer (standard)

Width × Height 4365 × 1055 / 3725 × 1365 mm

Max. lift above ground 1290 / 1210mm

Max. drop below ground 535 / 540mm

Max. tilt 500 / 735mm

RIPPER

COOLANT AND LUBRICANT

CAPACITY(REFILLING)

Cooling system 79L

Fuel tank 460L

Bevel gear case 122L

Final drive case (each side) 36L

Under carriage 6.2L

Hydraulic tank 110L

Bulldozer (TY320)

Length × Width × Height (mm) 6880 × 4130 × 3640

Operating weight (kg) 37200

Make and model Cummins NT855-C360

Rated horsepower (kw) 235

RPM at Max. torque (rpm) 2000

Length of track on Ground (mm) Ground Pressure (KPa) 3150 / 105

Grade ability 30°

Speed range Forward (km/h) F1 0~3.6 / F2 0~6.6 / F3 0~11.5

Speed range Reverse (km/h) R1 0~4.4 / R2 0~7.8 / R3 0~13.5

Type Tilt dozer

Width × Height (mm) 4130 × 1590

Max. drop below ground level (mm) 560

Max. lift above ground level (mm) 1560

Max. ripping depth (mm) 835

Max. lifting height (mm) 890

Type 3 shanks (variable)



TY320 Bulldozer

Bulldozer (TY220)

Length × Width × Height (mm)

5750 × 3725 × 3457

Operating weight (kg) 23450

Make and model CumminsNT855-C280

Rated horsepower (kw) 162

RPM at Max. torque (rpm) 1800

Length of track on Ground (mm) Ground

Pressure (KPa) 2730 / 77

Grade ability 30°

Speed range Forward (km/h) 0~3.6 / 0~6.5 /
0~11.2

Speed range Reverse (km/h) 0~4.3 / 0~7.7 /
0~13.2

Type Tilt dozer Angle dozer

Width × Height (mm) 3725 × 1315 / 4365 × 1055

/

Max. drop below ground level (mm) 540 / 535

Max. lift above ground level (mm) 1210 / 1290

Max. ripping depth (mm) 666

Max. lifting height (mm) 555

Type Single shank 3 shanks



Bulldozer (TY220) PD220Y-1

PD220Y-1 track type bulldozer is the new product which our plant absorb the design and manufacture technology of CATERPILLAR USA and KOMATSU JAPAN and develop. The product is as good as the same model D85A-21 bulldozer JAPAN, and in the lead level in domestic. It is applicable to the exploitation of forest and the large project, for example: mining large open pit, building wharf 、 irrigation work 、 electric power and motor road, and stripping the rock stratum



Bulldozer (TYS220)

TYS220 Swamp Bulldozer

Length × Width × Height (mm)

6060 × 4365 × 3435

Operating weight (kg) 25700

Make and model Cum minsNT855-C280

Rated horsepower (kw) 162

RPM at Max. torque (rpm) 1800

Length of track on Ground (mm) Ground

Pressure (KPa) 3480 / 40.2

Grade ability 30°

Speed range Forward (km/h) 0~3.6 / 0~6.5 /
0~11.2

Speed range Reverse (km/h) 0~4.3 / 0~7.7 /
0~13.2

Type Tilt dozer

Width × Height (mm) 4365 × 1330

Max. drop below ground level (mm) 550

Max. lift above ground level (mm) 1330



Bulldozer (PD410)

PD410Y track type bulldozer is the new product, which our Plant absorb the technology of KOMATSU D335A-3 track type bulldozer to manufacture. Its power is largest internal. The main performance reach targeted levels of the KOMATSU D355A-3. This machine match is rationally, structure is advanced and reliable, operating is light and cozy, production efficiency is very high. The machine engine is CUMMINS KTA-19C diesel engine. It has large power reserve, good dynamic characteristics and economical, reliable and durable. The transmission system adopt large power torque converter, power shift, planetary type final drive. It can cause the machine structure compact and has large bearing capacity. The track is sealed and lubricated. It has small travel resistance, less wear, and longer life. The hydraulic system adopt steering brace and hydraulic interlocking It can make operating reliably. Operating system adopt soft axle mechanism that is simple structure. The cab has good field of vision. The seat can be right-and-left rotated and reduce the operating strength greatly.



Engine Model Cummins KTA-19C
Flywheel (kW) 306
Rated speed (r/min) 2000
Type Turbocharged, after cooled, four-stroke
Starting method Electric starting 24V 11kw

Track pitch (mm) 260.6
Track width (mm) 610
Length of track on ground(mm) 3360
Ground clearance (mm) 575
Track gauge (mm) 2260
Ground pressure (Mpa) ≤ 0.112

Travel speed (Km/h)
Forward 0-3.3 / 0-5.1 / 0-8.5 / 0-12.7
Reverse 0-3.2 / 0-5.0 / 0-8.4 / 0-12.6

Blade type straight tilt blade
Width \times Height (mm) 4314 \times 1875
Max .lift above ground (mm) 1545
Max. drop below (mm) 700
Pitch adjustment($^{\circ}$) 52
Bit lifting speed (m/s) ≥ 0.35
Gradeability($^{\circ}$) 30
Max. tilt (mm) 1000

Bulldozer (PD120)

PD120 track type bulldozer is the improved product that is basis of Shanghai 120A bulldozer and adopts advanced imported technology. The engine power is 88.2 KW (120HP). The weight is 15800Kg. The Max. pulling force is 12 KN. This type machine is applicable to building cubic meter of earth and stonework, for example: irrigation work, motor road and industrial & civil architecture etc. .. Shanghai PD120 track type bulldozer is the improved product that is basis of Shanghai 120A bulldozer and adopts advanced imported technology. The engine power is 88.2 KW (120HP). The weight is 15800Kg. The Max. pulling force is 12 KN. This type machine is applicable to building cubic meter of earth and stonework, for example: irrigation work, motor road and industrial & civil architecture etc.



Engine

Model Dongfeng 6135K-2a

Type inline vertical four-stroke cycle semi-open combustion chamber

Flywheel (kW) 88.2(120PS)

Rated speed(r/min) 1500

No.of cylinders-bore×stroke (mm) 6- φ 135×140

Starting method Electric starting 24V 8kw

Transmission system

Main clutch Dry ,Multiple-disc ,Non-constantly engaged

Transmission spur gears ,splash lubricated , 5 forward and 4 reverse speeds

Bevel gear helical bevel gear ,splash lubricated

Steering clutch dry ,multiple disc hand-operated with hydraulic booster

Steering brake dry ,band brake ,foot-actuated

Final drive spur gear ,double reduction ,splash lubricated

Travel speed (Km/h)

Forward 2.25 3.61 5.15 7.42 10.34

Reverse 2.7 4.33 6.18 8.91

Undercarriage

Sprocket segmented

No.of track rollers (each side) 5 (3 single, 2 double flanged)

No.of carrier rollers (each side) 2

No.of front idler (each side) 1

Track tension hydraulic adjusted

* Floating seals are used in all track rollers, carrier rollers, sprocket and front idler

Tracks

Type Assembled, Single grouse

Track pitch (mm) 203

Track width (mm) 500

No .of track shoes (each side) 37

Length of track on ground(mm) 2465

Ground clearance (mm) >300

Track gauge (mm) 1880

Ground pressure (Mpa) 0.063

Work equipment

Blade type straight angle

Width × Height (mm) 3200×1130 3760×1000

Max .lift above ground (mm) 1020 990

Max .drop below (mm) 360 335

Pitch adjustment(°) 53 55

Bit lifting speed (m/s) >0.35 ≥0.32

Gradeability(°) ≤30 ≤30

Wheel Loader (ZL50C)

Engine Make and model 6135K-9a
Rated horsepower (kw/rpm) 155/2200
Loading capacity (kg) 5000
Bucket capacity(m³) 3
Max. dumping height (mm) 3060
Reach, fully raised (mm) 1215
Breakout force (KN) 170
Turning radius (mm) Outside corner of Bucket/
centerline of outside tires 7250/6280
Grade ability 30°
Weight (kg) 17620
Overall dimensions mm
Length × Width × Height 7902/2990/3440
Travel speed range km/h F1 0~10 / F2 0~34
Travel speed range km/h 0~13



Wheel Loader (ZL130)

Engine

Make and model LR6105G6

Rated horsepower (kw/rpm) 81/2600

Loading capacity (kg) 3000

Bucket capacity(m³) 1.5

Max. dumping height (mm) 2810

Reach, fully raised (mm) 1080

Breakout force (KN) 100

Turning radius (mm) Outside corner of Bucket/
centerline of outside tires 5680

Grade ability 30°

Weight (kg) 10000

Overall dimensions mm

Length × Width × Height 6480/2400/2980

Travel speed range km/h F1 0~8 / F2 0~14 / F3
0~24 / F4 0~32

Travel speed range km/h R1 0~13 / R2 0~28



Wheel Loader (ZL130E)

The model ZL30E wheel loader is one of the series leading products made in our works that is well received both at home and abroad for its reasonable design ,beautiful contour ,and advanced norms .By adopting of three-element torque converter , fixed-axle type power shifting transmission box, in-hub reduction, double-axle drive, hinged frame, all hydraulic steering, and clamping brake, the loader has such features as: large power reserve, fine accelerating performance ,comfortable operation ,wide field of vision. It's multi-function, high-efficient and flexible engineering machinery .Moreover, it can be equipped with many kinds of working attachments such as flat fort, log fort ,multi-function bucket, and smow plow, so it may be used for loading and unloading ,transporting, piling and leveling materials in various kinds of projects ,mines, enterprises and city.



Rated capacity for bucket:1.7m³
Rated loading :3000kg
Operating mass:9800kg
Dump height:2.8m
Engine model:LR6105G14

Wheel Loader (ZL10)

The model ZL10 wheel loader is one of the series leading products made in our works that is well received both at home and abroad for its reasonable design, beautiful contour, and advanced norms. By adopting of three-element torque converter, fixed-axle type power shifting transmission box, in-hub reduction, double-axle drive, hinged frame, all hydraulic steering, and clamping brake, the loader has such features as: large power reserve, fine accelerating performance, comfortable operation, wide field of vision. It's multi-function, high-efficient and flexible engineering machinery. Moreover, it can be equipped with many kinds of working attachments such as flat fort, log fort, multi-function bucket, and snow plow, so it may be used for loading and unloading, transporting, piling and leveling materials in various kinds of projects, mines, enterprises and city.



Rated capacity for bucket:0.5m³

Rated loading :1000kg

Operating mass:4500kg

Dump height:2.25m

Engine model:495K1

Wheel Loader (ZL15B)

Engine

Make and model 495k1-2

Rated horsepower (kw/rpm) 40.5/2400

Loading capacity (kg) 1500

Bucket capacity (m³) 0.8

Max. dumping height (mm) 2360

Reach, fully raised (mm) 850

Breakout force (KN) 45

Turning radius (mm) Outside corner of Bucket/
centerline of outside tires 4857/4273

Grade ability 30°

Weight (kg) 5000

Overall dimensions mm

Length × Width × Height 5010/1960/2650

Travel speed range km/h F1 0~10 / F2 0~24

Travel speed range km/h R1 0~10 / R2 0~24



Wheel Loader (ZL15E)

The model ZL15E wheel loader is one of the series leading products made in our works that is well received both at home and abroad for its reasonable design ,beautiful contour ,and advanced norms .By adopting of three-element torque converter , fixed-axle type power shifting transmission box, in-hubreduction, double-axle drive, hinged frame, all hydraulic steering, and clamping brake, the loader has such features as: large power reserve, fine accelerating performance ,comfortable operation ,wide field of vision. It's multi-function, high-efficient and flexible engineering machinery. Moreover, it can be equipped with many kinds of working attachments such as flat fort, log fort ,multi-function bucket, and snow plow, so it may be used for loading and unloading ,transporting, piling and leveling materials in various kinds of projects ,mines, enterprises and city



Rated capacity for bucket:0.9m³
Rated loading :1500kg
Operating mass:5000kg
Dump height:2.46m
Engine model:4102CG

Wheel Loader (ZL140)

EQUIPED WITH STEYR AND CUMMINS ENGINE;BUCKET AUTOMATIC LEVELLING ABILITY.

THE COUNTERSHAFT GEAR BOX IS SEPERATED FROM THE TORQUE CONVERTER.

ADVANCED SINGLE ROCK ARM,Z-SHAPED LINKAGE STRUCTURE.

SEALED PINS AND COMBINED SEAL CYLINDER.



Wheel Loader (ZL180)

Germany ZF's transmission and axles with wet type brake.
American Mico's full hydraulic braking control element.
Japanese Kawasaki's hydraulic valves.
American Permco's hydraulic pumps.
High productivity
American Cummins' diesel engine, Rated Power is 231kw, torque reverse coefficient is 1.36.
Automatic electro-hydraulic shift control with "KD" function has four forward and three-reverse.
Front and rear axles with limited slip differential locks, rear axle oscillates + 15. , can suit for abominable environment.
38. center-point articulation, small turning radius, good pass capability
Optimum designed by computer, the working equipment of the wheel loader has large breakout force and excellent motility.
Comfortable operate environment
New type cab with open visual field, sealed, sound insulation, dustproof,



damping and air-condition.
Matched adjustable steering control column with adjustable forward rear, up-down seat suit for driver of all figure. Working equipment is pilot, control, arm arising limited, automatic bucket positioned, Such increase efficiency.
ZL80G wheel loader is equip the "OPTIMA" dry type, free of service storage battery, power-lubricate system. Integrated engine cover can be opened backward.
Such make it easy for maintenance.

Rated Power: 231kw
Bucket Capacity: 4.5M3
Operating Weight: 28500kg

The image shows two excavators in silhouette against a bright, orange-hued sky, likely at sunset or sunrise. The excavators are positioned on a dark, elevated surface, possibly a construction site. The text "Excavation Machinery" is overlaid in the center in a bold, white font.

Excavation Machinery

Backhoe Loader (WZ25-20)

WZ25-20 backhoe loader is a newly developed product of our factory in the latest years, which filled a blank for one machine with multi-function of small-size loader of China. The loader is based on ZL15E loader on the rear of which the backhoe is equipped in addition. It not only has the loader's function, but also has the digging function. So it is widely used for material loading, unloading, transporting and piling, used for ground leveling, and used for underground water pipe, oil pipe, gas pipe and cable laying. It's a kind of wide use, high efficient engineering machinery.



Back capacity for bucket 0.25m³
Max excavating depth (back) 4.1m
Max excavating radius (back) 5.15m
Front capacity for bucket 0.9 m³
Rated loading (front) 1.6t
Dump height 2.5m
Engine model 4102CG

Excavator (XGE200)

Extra-Wide Operator's Cabin with a 1M Width: Spacious, Cozy and Luxurious

Featuring the most spacious and the least noisy and vibrating operator's cabin in products of the same kind; designed with internationally advanced ergonomic features, giving the operator a level of coziness equal to that of a sedan car.

Reduced Noise and Vibration; Stable and Cozy Operating (Elastically-supported Vibration-damping Operator's Cabin)

New-type high-efficiency damping structures are used (elastically-supported vibration-damping operator's cabin), which significantly reduce the vibration of the operator's cabin; six-point elastically-supported structures are utilized to prevent horizontal vibration of the operator's cabin and reduce noise, ensuring comfortable operation and requiring less operator effort.

Vibration-Free, Stable & Smooth Operation

The movable arm, bucket bar and bucket fuel tank are all equipped with vibration-absorbing buffer devices and damping valves in the fuel circuits, which greatly reduce vibration and provide buffering when the movable arm, bucket bar and bucket fuel tank stop running, thereby ensuring stable and smooth operations.

Low Noise Design



This machine features a number of unique noise-reducing devices, including a rigid non-vibrating canopy, a noise-deadening engine enclosure and sound-insulating braking and decelerating mechanisms, ensuring a minimum level of noise of the excavator.

User Friendly

Featuring a sensitive and ergonomic toggle-type operating grip, which facilitates operations and reduces operator fatigue.

Bucket Capacity:0.55~1.5m³ (ISO)

Rated Engine Power:125kw / 2200r / min

Operating Weight:23000kg (HD1023)

Excavator (YJ60C)

JY60 is our newly designed model, high-performance crawler hydraulic excavator equipped with imported main hydraulic pump and slew system

Specifications

digging capacity 72KN ground pressure (mpa) 0.045
hydraulic system flow 2×112 L/min slew velocity (r/m)
6.5
hydraulic system pressure 15MPa travel velocity
(km/h) 1.8
whole machine weight (ton) 14.2 grade climbing
capacity 45%
engine power 73.5 digging height (m) 6
engine rotate speed (r/m) 2300 digging depth (m) 4.7
engine model F6L912G3 digging radius (m) 7.7
bucket volume (m³) 0.6 0.6 dumping height (m) 4.3



Excavator (YJ200-3)

JY200-3 is our newly designed model, high-performance crawler hydraulic excavator equipped with imported main hydraulic pump and slew system. And adapt to the load trait through general power negative flow control, by this way, we can make sufficient use of engine power, and each performance index has reached international level, this machine is very safe and convenient in maintenance with high reliability, wide application scope and beautiful appearance. not only can be applied for air port and harbor construction, mining etc but also for city construction, road construction, emergency tackling and rush repair etc.



Dimensions

standard model (5710mm dynamic arm,
2920mm bucket lever)

Total length 9500mm

earthing length (transportation) 5500mm

total height (to top of dynamic arm) 3150mm

total width 2840mm

total height (to cab top) 2770mm

ground clearance and counter weight
1030mm

minimum ground clearance 454mm

stern rotating radius 2870mm

track earthing length 3400mm

track length 4200mm

gauge 2200mm

track width 2800mm

track shoe width 600mm

teeth height 36mm

housing height 2195mm

housing width 2625mm

Operating scope

Bucket lever length 2920mm

Max digging height 9000mm

Max dumping height 6300mm

Max digging depth 6700mm

Max digging radius 9910mm

Bucket digging capacity 135KN

Bucket lever approaching capacity 100KN

Excavator (YJ500)

JY500 is our newly designed up-to-date model, It has the features such as high-pressure intercrossing power modulation, positive control, three shifts power reelection, sound and light warning in designating the accident position, so the engine is available for its maximum power, and the energy consumption can be decreased as well.



digging capacity 245KN ground pressure (mpa) 0.102
hydraulic system flow 2×360 L/min slew velocity (r/m) 6.4
hydraulic system pressure 32MPa travel velocity (km/h) 2.8-4.5
whole machine weight (ton) 50 grade climbing capacity 63%
engine power 223 digging height (m) 10
engine rotate speed (r/m) 2100 digging depth (m) 8.4
engine model BF6M1015 digging radius (m) 12.5
bucket volume (m³) 2 0.6 dumping height (m) 8.1

Excavator (YJ220)

JY220 is our newly designed up-to-date model, Its has the features such as high-pressure intercrossing power modulation, positive control, three shifts power reelection, sound and light warning in designating the accident position, so the engine is available for its maximum power, and the energy consumption can be decreased as well.

whole machine quality: 22t whole machine
quality: 1.0m³
bucket volume scope: 0.5-1.7m³
diesel engine
model: 6BTA5.9-C power: 124kw/2100r/min
hydraulic system
flow: 2×220L/min pressure: 32/30MPa
max travel speed: 5.2/3.4km/h grade climbing
capacity: 60%
slew velocity: 12.5r/min bucket lever digging
capacity: 100kN
bucket digging capacity: 130kN



3000mmbucket lever

Max digging height 8960
Max dumping height 6200
Max digging depth 7050
Max digging depth in vertical operation 5600
Max digging depth in horizontal operation 6300
Max digging effective scope 10340
Ground max digging effective scope 10200
Minimum rotating radius 4800

Excavator (YJ320)

JY320 is our newly designed up-to-date model, Its has the features such as high-pressure intercrossing power modulation, positive control, three shifts power reelection, sound and light warning in designating the accident position, so the engine is available for its maximum power, and the energy consumption can be decreased as well.



digging capacity 137KN ground pressure (mpa) 0.0491
hydraulic system flow 2×235 L/min slew velocity (r/m) 12
hydraulic system pressure 30MPa travel velocity (km/h) 4.7-2.8
whole machine weight (ton) 29 grade climbing capacity 70%
engine power 152 digging height (m) 9.566
engine rotate speed (r/m) 2100 digging depth (m) 6.75
engine model 6CT8.3-C digging radius (m) 10.56
bucket volume (m³) 1.4 0.6 dumping height (m) 6.95

Excavator (YJL161)

JYL161-3 is our designed new model, high-performance wheeled hydraulic excavator, it is equipped with dozer blade and its appearance is beautiful and the operation is comfortable. Diesel engine, valve group, slew outfit main pump adopt imported components, double pumps and two circuit general power adjusted negative flow control system is adopted in the hydraulic system.

Bucket length 2200mm

Bucket maximum digging force 112KN

Bucket lever maximum digging force 93KN
Maximum digging height 9223mm

Maximum digging radius 6677mm

Maximum digging radius 5725mm

Maximum digging radius 9301mm

Application weight (approximation)

Application weight 20T, including 5648mm full dynamic arm, 2200mm bucket lever, SAE piling 0.8m³ reversible bucket, cab, lubricant, coolant and laden fuel oil tank and standard outfit.



Steering system

Steering pump----blade pump V20PIS9T38C6D
12

Displacement----19.5ml/r

Rating pressure----7Mpa

Traveling system

Traveling motor----GY-A2F80

Displacement----80ml/r

Working pressure----32Mpa

Traveling velocity----travel speed

Highway shift----0-30km/h

Off-road shift----0-7.5km/h

Grade climbing capability----40%

Excavator (YJL200)

JYL200G is a high-performance wheeled hydraulic excavator, the highest travel speed reaches 54km/h, and adopted with high pressure full power variable double pumps two circuit hydraulic system and hydraulic servo operation. Cab is beautiful and comfortable in figure and qualified for international standard with the optional air conditioner. The good hydraulic oil heart-radiating system is suitable for various temperature and different terrain, the travel is adopted with double motor driven concentrated hydraulic transmission, double axle drive, two shift gears, spring suspension with good steering performance. And the single-grounder inner joggle slew bearing can obtain great carrying capacity. JYL200G wheeled hydraulic excavator is beautiful in appearance and available for wide application scope, not only can be applied for air port and harbor construction, mining etc but also for city construction, road construction, emergency tackling and rush repair etc.



Application weight (approximation)

Application weight 20T, including 5648mm full dynamic arm, 2200mm bucket lever, SAE piling 0.8m³ reversible bucket, cab, lubricant, coolant and laden fuel oil tank and standard outfit.

Traveling system

travel motor----GY-A6V160HA

displacement----160ml/r

operating pressure----32Mpa

travel speed

highway shift----54km/h

off-road shift----13.4km/h

grade climbing capacity----40%

Slew system

drive-----axle trend piston motor

slew retardation-----two grades planetary

retarding mechanism

slew braking-----flake hydraulic brake

slew velocity-----0-15r/min

Braking system

braking device-----hydraulic brake

foot brake-----hoof brake

hand brake (parking brake)-----normal close

type

Operating scope

bucket lever length2600mmmaximum

digging height 9250mm

maximum dumping height 6600mm

maximum digging depth 5500mm

maximum digging radius 9100mm

Excavator (W4-60C)

W4-60C excavator is single bucket entirely slewing wheeled hydraulic one with 0.6 cubic meters of bucket, and adopted with general bucket for both positive and negative operation. Except the travel is machinery and pneumatic braking, the steering and all of the digging operation are hydraulic transmission, and it is suitable for I-IV grade soil digging and dumping operation in city construction, road construction, military project and farmland irrigation works etc. Its high efficiency causes the consequence in labor saving and construction term shortening.



whole machine quality 13.6t standard bucket
volume 0.6m³
bucket volume scope 0.4-1.0m³
Diesel engine
model F6L912G1 power 70kw
Hydraulic system
flow 286L/min pressure 14MPa
max travel speed 31.38km/h grade climbing
capacity 40%
slew velocity 6r/min bucket lever digging
capacity 65.77kN
bucket digging capacity 75.86kN Total
length 7595mm
Total height (to top of housing) 2780mm
Total height (to top of dynamic arm) 3850mm
Total width (rear wheel outside) 2712mm
Total height (to cab top) 3084mm
Ground clearance and counter weight
1334mm
Maximum ground clearance 275mm

Stern rotating radius 2440mm
Wheelbase 2960mm
Total width 2750mm
Bucket lever length 1900mm
Max digging height 6400mm
Max dumping height 4700mm
Max digging depth 3700mm
Max digging effective scope 7300mm
Ground max digging effective scope
7000mm

Excavator (HXW200)

Operating Weight: 22600kg
Bucket Capacity Range (SAE): 0.6-1.2m³
Standard Bucket Capacity (SEA): 1.0m³
Engine Rated Horsepower: 116kW(155hp) at 2100r/min Working range
Max digging radius (mm) 10150
Max digging depth (mm) 6720
Max digging height (mm) 9800
Vertical digging depth (mm) 6240
Max dumping height (mm) 6700
Min swing radius (mm) 3890
Engine
Model COMMINS 6BT5.9-C145
TYPE 4-cycle water-cooled column, direct-injection turbo charger type
Numbers of cylinders-bore × stoke 6-102mm × 120mm
Piston displacement 5.88L
Rated power 108kW(145hp)
Rated speed 2100r/min
Maximum torque 597N.M(1600r/min)



Excavator (HXW220)

Operating Weight: 22600kg
Bucket Capacity Range (SAE): 0.6-1.2m³
Standard Bucket Capacity (SEA): 1.0m³
Engine Rated Horsepower: 116kW(155hp) at 2100r/min Working range
Max digging radius (mm) 10160
Max digging depth (mm) 6725
Max digging height (mm) 9825
Vertical digging depth (mm) 6250
Max dumping height (mm) 6695
Min swing radius (mm) 3890
Engine
Model COMMINS 6BT5.9-C155
TYPE 4-cycle water-cooled column, direct-injection turbo charger type
Numbers of cylinders-bore × stroke 6-102mm × 120mm
piston displacement 5.88L
Rated power 116kW(155hp)
Rated speed 2100r/min
Maximum torque 609N.M(1600r/min)



Excavator (WD400A)

The crawler mounted, full swing WD400A excavator is a kind of large I-sized, multifunctional mining machinery which takes SCR as excitation system and is driven by DC multi-motors. It is equipped mainly with face shovel attachment and secondarily earth crane attachment.

When shovel attachment is equipped it can be used to excavate all kinds of blasted rocks, minerals of strop soil of various grades. It is suitable for the open-pit excavation of metal ,coal or construction materials, and other basic earth-moving projects such as water conservancy and civil engineering.

When the machine is equipped with crane attachment, it can be used to accomplish cement grouting operation and lifting operation at construction site, power station or large port.

Reasonable in construction, advanced in performance, reliable in service, high efficient and multiple usage, those are the key features of the machine.



WD400A Main Specifications for Excavator

Bucket capacity m³ 4

Hoisting speed m/s 0.87

Rowding speed m/s 0.45

Propel speed km/h 0.45

Working cycle time S 24

Max hoisting force KN 450

Max crowding force KN 230

Max gradeability ° 12

Ground pressure Kpa 192

Main motor output kw 250

Max. digging radius m 14.3

Max. digging height m 10

Max. dumping radius m 12.5

Max. dumping height m 6.3

Max. digging depth below ground l m 3.2

Operating mass t 212(215)

Theoretical productivity m³/h 600-690

Counter weight mass t 30(33)

Lifting and Hoisting Machinery



Crawler Crane (QUY50)

QUY50 Hydraulic crawler crane

Max. Rated Lifting Capacity kg 50000

Max. Hoisting Moment kN.m 1815

Main Boom m 13-52

Boom working angle (°) 30-80

Main lifting speed (single rope) m/min 0-65

Auxiliary lifting speed (single rope) m/min 0-65

Derricking speed m/min 0-52

Max. Gradability (°) 20

Slewing Speed r/min 0-1.5

Max. Travel Speed Km/h 0-1.1

Ground Pressure Mpa 0.069

Max. Power of engine kw 117.6

Jib m 9.15-15.25

Offset angle of jib (°) 10/30



Crawler Crane (QUY35)

QUY35 Hydraulic crawler crane

- Max. Rated Lifting Capacity kg 35000
- Max. Hoisting Moment kN.m 294.92
- Main Boom m 10-40
- Boom working angle (°) 30-80
- Main lifting speed (single rope) m/min 0-110
- Auxiliary lifting speed (single rope) m/min 0-110
- Derricking speed m/min 0-55
- Max. Gradability (°) 20
- Slewing Speed r/min 0-1.5
- Max. Travel Speed Km/h 0-1.34
- Ground Pressure Mpa 0.058
- Max. Power of engine kw 117.6
- Jib m 9.15-15.25
- Offset angle of jib (°) 30



Crawler Crane (QUY50C)

QUY50C Hydraulic crawler crane is a kind of full hydraulic, multiple purpose, crawler mounted crane is designed and manufactured with advanced technology from abroad, It can be widely used in various departments such as construction, transportation, port, energy and agriculture, water conservancy etc. to accomplish all kinds of operation such as lifting, mounting and material handling. The ground pressure of this machine is small, so it is able to travel and work on gloofland and field, Small turning radius makes it suitable for restricted working environment, it is a machine with functions, crane, pile drover, tower crane dragline and clamshell attachments etc. can also be fitted on the main machine; it can travel with heavy load and the load can be lowered through free fall motion which results in high productivity; it is light in dead weight, small in built-up and good in performance. Its various performance. Its various and reliabilities have caught up with the world's early90's advanced level of the same kind product.



QUY50C General Specifications

Max. rated load capacity t 50

Basic boom length m 13-52

Basic boom luffing angle ° 30-80

Hoisting speed m/min 80;40

Lowering speed m/min 80;40

Jib boom lifting speed m/min 90;45

Luffing up speed m/min 52

Luffing down speed m/min 52

Bare machine dimensions LxWxH mm 6745X3300X3080

Traveling speed Km/h 1.3

Gradeability % 40

Diesel engine model D6114ZG2A

Diesel engine rated power output kw/rpm 125/2000

Slewing speed r/min *3.2

Mass of counterweight t 17.5

Total weight (with basic boom) t 50

Average ground pressure MPa 0.069

Max. hoisting Moment KN.m 1850

Crawler Crane (QUY100)

QUY100 hydraulic crawler crane is a kind of product with early 1995s' world level manufactured by our works on the basis of importing and digesting Hitachi technology on the KH500 full hydraulic crawler crane.

The machine adopts structures as full power variable displacement system, full hydraulic driving, hydraulic pilot, crawler traveling and so on.

The key parts, main pump, motor, main valve, moment limiter, lattice boom tube, hoisting rope and so on all imported from abroad.

It takes crane as its major working attachment, in addition, it can be equipped with dragline, clamshell and tower crane according to requirements.

In order to keep the machine stable and safe in working, the machine is equipped with moment limiter, boom and hook over-hoist protection devices with the characteristics of being less in noise, stable in working, compact in structure, easy to operate, broad in applying scope and so on. It is widely used in the field of construction, metallurgy, chemical industry, petroleum, transportation, port and energy section and so on for lifting, installing and material handling.



QUY100 General specifications

Max. load capacity t 100

Main boom length m 16-70

Jib boom Length m 9-13.8,18

(Max.+Jib boom) Max.Length m 61+18

Boom luffing angle ° 30-80

Hoisting rope speed m/mim high:60 low:30

Lowering rope speed m/mim high:60 low:30

Luffing up rope speed m/mim 40

Luffing down rope speed m/mim 40

Slewing speed r/mim high:2.2 low:1.1

traveling speed km/h high:2 low:0.5

Gradeability % 30(with basic boom in rear)

Diesel engine model Deutsch F10L413F

Diesel engine rated power output ps/r/mim 250/2000

Ground pressure Mpa 0.08 (basic boom with 100t hook)

Mass of balance t 30pieces

Total wt. t 108 (basic boom with 100t hook)

Dimensions (LxWxH) mm mm 8910x5790x3536

Crawler Crane (KH700-2)

KH700-2 Hydraulic Crawler Crane is manufactured in our factory under the license of technology from Hitachi Construction Machinery Co, Ltd, Japan It is a machine which possesses the advanced level of early 90's in the world The machine is quipped with a full power mounted crane.

Its key components, such as the diesel engine, main pump, hydraulic motor, valves and the moment limiter are all imported devices.



The normal crane attachment can be changed as desired with clamshell, dragline and tower crane attachments. The machine is appropriate for construction work, metallurgical or chemical industries, oil, transportation, port and energy resources sections to carry out lifting, assembling and material handling tasks.

This machine features very good performances owing to its microcomputerised moment limiter and hydraulic servo-operating devices which make it a low noise, high productivity, smooth running, safe and reliable machine with widely acceptability.

KH700-2 General specifications

Max. rated load capacity t 150

Main boom length m 18-81

Jib boom Length m 13-31

Max.+Jibboom) Max.Length m 69+31

Boom luffing angle ° 30-80

Hoisting rope speed m/mim high:60low:30

Lowering rope speed m/mim high:60low:30

Luffing up rope speed m/mim *22X2

Luffing down rope speed m/mim *22X2

Slewing speed r/mim high:2 low:1

traveling speed km/h high:2low:0.5

Gradeability % 30(with basic boom in rear)

Diesel engine model 6CTA83-C260

Diesel engine rated power output kw/r/mim 184/2000

Ground pressure Mpa 0.093(basic boom with 150t hook)

Mass of balance t 54.6(4pieces)

Total wt. t 150.6(basic boom with 150thook)

Dimensions (LxWxH)mm mm 13910x6450x3775

Tyre Crane (QLY25)

QLY25 Hydraulic tyre crane

Max. Rated Lifting Capacity kg 25000
Max. Lifting Height m 32.5
Main Boom m 4 sections 8.4-26.0
Jib m 8.15
Max. Hoisting Moment kN.m 833
Max. Lifting Speed (single rope) m/min 84
Slewing Speed r/min 2.0
Outline Dimension m $10.35 \times 2.5 \times 3.336$
Weight Data t 23.541
Diesel engine model Cummins 6BTA509C
Max. Power of engine kw/rpm 132/2500
Max. Torque of engine N.m/rpm 617/1500
Min. Turing Radius m 2.955
Max. Gradeability % 45
Max. Travel Speed km/h 40
Approach Angle ° 24.5
Angle of Departure ° 24.5
Outriggers Distance (longitudinal X lateral) m
 5.716×5.6



Tyre Crane (QAY25)

QAY25 All Terrain Crane is designed and manufactured by Xuzhou Heavy Machinery Works XCMG with its many year's successful experiences in manufacture of truck crane, in absorption of foreign high-tech and combined with the development of international all terrain crane. It is designed with computer in 3D configuration. The crane has the advanced technology including open type variable displacement system, hydraulic proportional control, hydro-pneumatic suspension and multiple chord boom profile. It features outstanding performance of load lift and road travel, not only meet the need of ordinary customers at home and abroad but also is suitable for use in western plateau, oil-field, semi-desert, etc., particularly for narrow site and rough road. It is truly an all terrain crane suited to the conditions in China.



Outline dimensions (L×W×H) 10700×2490×3550 mm

Total mass 25.2 t

Lifting performance Max. load moment 948 kN.m

Max. lifting height Boom 28.2m, Boom + Jib 36.6m

Max. lifted load for travel 6t

Travel performance Approach angle/Departure angle

20° /21°

Min. ground clearance 360mm

Max. travel speed 70km/h

Min. turning diameter 20m for front wheel steering, 14m for all wheel steering, crab walk possible.

Max. gradeability 58%

Boom No.of section/Length 8.9—28m/4 pitch

Cross-section Hexagonal large round angle cross- section, reasonable load, heavy load bearing capability.

Telescoping Single cylinder plus wire ropes, synchronous telescoping.

Jib No.of section/Type Triangle lattice structure, good stability and light-weight.

Length/Pitch number 8.15m/1 pitch

Hoisting Type Main and auxiliary winches, build-in planetary reducer, driven by constant displacement piston motor.

working speed Not less than 140m/min.

Swing Type Two-stage planetary reducer, external coupling and central-adjusting, convenient for adjustment and maintenance, and controlled free-swing available.

working speed 360° full swing, swing speed is not less than 2.5r/min.

Elevating Single cylinder with imported balance valve for front support elevation, hoist down by gravity, low energy consumption.

Outrigger Type H-type outriggers at front and rear
Extension width lateral extension 6.2m, longitudinal extension 6.325m, mid-position extension (4.4m) permissible.

Hydraulic system Oil pump Imported triplex gear pumps, main pump is piston variable displacement pump with load feedback function.

Control Hydraulic pilot proportional control, convenient, sensitive and accurate.

Safety device Automatic moment limiter (AML) contributes dynamic display of crane motions by configuration, and with automatic overload protection. Overwind cut-out device, height limiter, outrigger hydraulic lock and balance valve.

Carrier Self-made 2-axle carrier with all-axle drive, all wheel steering and crab walk possible.

Engine 6-cylinder, water cooling and turbo- charged after cooled diesel engine, exhaust emission complies with regulations EURO II , max. output 184kW, plateau type engine is for option.

Transmission Mechanical control, change gear with synchronizator, eight gears plus one off-road gear.

Suspension Hydro-pneumatic suspension with auto-leveling, manually raise/lower and rigidly lock the carrier. Max. stroke 160mm.

Mobile Crane (QY25A)

Max. Rated Lifting Capacity kg 25000
Max. Lifting Height m 32
Main Boom m 3 sections 10.2-25
Jib m 7.5
Max. Hoisting Moment kN.m 932
Max. Lifting Speed (single rope) m/min 120
Slewing Speed r/min ≤ 3
Outline Dimension m $12.25 \times 2.5 \times 3.5$
Weight Data t 29.09
Chassis Model , Self-made QY25
Diesel engine model , D6114ZG33A
Hangzhou $\times 6130$ Shanghai 6135Q-9
Max. Power of engine kw/rpm 152/2200 154/2100
162/2200
Max. Torque of engine N.m/rpm 790/1400
780/1300 784/1400
Min. Turing Radius m 10
Max. Gradeability % 24
Max. Travel Speed km/h 72
Approach Angle $^{\circ}$ 21
Angle of Departure $^{\circ}$ 11
Outriggers Distance (longitudinal X lateral) m
 5.07×5.4



Mobile Crane (QY16B)

Max. Rated Lifting Capacity kg 16000

Max. Lifting Height m 23.6

Main Boom m 3 pitch 9.8-24

Max. Hoisting Moment kN.m 627

Max. Lifting Rope Speed m/min 100

Slewing Speed r/min 2.5

Outline Dimension m 11.9*2.5*3.35

Weight Data t 19.2

Chassis Model XZ16C

Diesel Model D6114

Max. Power of Engine kW/(r/min)

152/2200

Max. Torque of Engine N.m/(r/min)

790/1400

Min. Turning Diameter m 19.5

Max. Gradeability % 28

Max. Traveling Speed km/h 72

Approach Angle ° 21

Angle of Departure ° 10

Outriggers Distance m 4.5*5.4



Mobile Crane (QY32B)

Max. Rated Lifting Capacity kg 32000
Max. Lifting Height m 39.9
Main Boom m 4 sections 10.4-32
Jib m 7.5
Max. Hoisting Moment kN.m 956
Max. Lifting Speed (single rope) m/min 130
Slewing Speed r/min ≤ 2.5
Outline Dimension m $12.75 \times 2.5 \times 3.53$
Weight Data t 31.47
Chassis Model , Mitubishi K305RLA
Diesel Model , 8DC9-2A
Max. Power of engine kw/rpm 213/2200
Max. Torque of engine N.m/rpm 980/1400
Min. Turing Radius m 11
Max. Gradeability % 28
Max. Trave Speed km/h 65
Approach Angle ° 18
Angle of Departure ° 10
Outriggers Distance (longitudinal X lateral) m
 5.33×5.9



Compacting Machinery

Tyred Roller (YL20C)

YL20C Pneumatic roller is of self-propelled roller, which is mainly applied to compaction work for base, sub-base, fill and asphalt surface. It is the ideal and necessary compacting equipment for constructing high-grade express highway, airport, seaport, embankment and industrial buildings. And this type of road roller has super compaction performance much superior than the other compacting machines, especially when it is used to compact the asphalt surface of high-grade motorway.



YL20C pneumatic roller can obtain excellent compaction performance without any "false rolling" when being used for compacting the sandy soil, combination soil and clay by increasing/decreasing its balance weight, changing the inflation pressure of tyres and adjusting the rolling pressure of tyres. Due to the flexible compacting of tyres on the rolling surface, the road surface is even and dense after being compacted by the machine.

This type of road roller adopts fully hydraulic steering, pneumatic & hydraulic braking and 3-gear transmission system, with fast speed and great flexibility and being very easy to move upon different jobsites. This type of road roller is equipped with water pump which can make sprinkling to large area and spray water onto tyre surface; and also equipped, on both front and rear tyres, with scrappers which are used to clean the tyres and to improve the compaction quality.

This type of pneumatic roller also has spacious and good-view driving cab and ROPS as option for the customers.

Minimum Working Mass (Kg) 16000

Maximum Working Mass (Kg) 20000

Driving speed

1st sp (Km/h) 4

2nd sp (Km/h) 7.5

3rd sp (Km/h) 14

4th sp (Km/h) 2.4

Gradeability(%) 20

Min. turning radius(mm) 8000

Min. clearance (mm) ≥ 280

Rolling width (mm) 2250

Overlapping (mm) 45

Ground pressure (Kpa) 160—340

Tyres

Specification 11.00-20(Smooth)

Quantity Front 4 Rear 5

Engine

Model 4135AK-4b

Type 水冷

Rated power 1800r/min(kW) 73.5

Rated speed (r/min) 1500

Outline dimensions

Total length (mm) 4760 5090

Total width (mm) 2090 2350

Total height (mm) 3170 3240

Tyred Roller (XP261)

XP261 pneumatic roller is of super-heavy self-propelled pneumatic roller, which is mainly applied to compaction work for base, sub-base, fill and asphalt surface. It is the ideal compacting equipment for constructing high-grade express way, airport, seaport, embankment and industry buildings.

XP260 is featured in its 2-gear infinitely various speed, dynamic-hydraulic transmission, pneumatic-hydraulic braking, easy operation, comfortable seat, water suction and sprinkling system with big power, compressed sprinkling structure for tyre surface and hydraulic steering mechanism, etc.

XP260 pneumatic rollers characterized of high working efficiency and compaction performance. By increasing or decreasing ballast and changing the pneumatic pressure in tyres may adjust the rolling pressure of tyres, which realizes the dense compaction on the layer material without leaving any false compaction, so as to ensure the road surface hardness and shearing strength.



Min. working mass (Kg) 14500
Max. working mass (Kg) 26000
Rolling pressure (kPa) 250—420
Driving speed
 I (Km/h) 0—8
 II (Km/h) 0—20
Theoretical gradeability (%) 40
Min. outer turning radius (mm) 9000
Min. ground clearance (mm) 290
Compacting width (mm) 2750
Swinging distance of front tyre (mm) ± 45
Overlapping of front & rear tyre (mm) 50
Tyre specification Smooth 11.00—20
Tyre numbers 5-tyre front & 6-tyre rear
Engine model D6114ZG39A
 Type water-cooling, supercharged
 Max. power@2000r/min(kW) 115
Total size (contour size)
 Length (mm) 4910
 Width (mm) 2845
 Height (mm) 3380

Tyred Roller (XP300)

XP300 Pneumatic roller is of super-heavy self-propelled pneumatic roller, which is mainly applied to compaction work for base, sub-base, fill and asphalt surface. It is the ideal compacting equipment for constructing high-grade express highway, airport, seaport, embankment and industry buildings.

XP300 Pneumatic roller is featured with its 3-gear mechanical drive, pneumatic-hydraulic braking, water suction and sprinkling system with big power, compressed sprinkling structure for tyre surface and hydraulic steering mechanism, etc.

XP300 Pneumatic roller is characterized of high working efficiency and compaction performance. By increasing or decreasing ballast and changing the pneumatic pressure in tyres may adjust the rolling pressure of tyres, which realizes the dense compaction on the layer material without leaving any false compaction, so so to ensure the road surface hardness and shearing strength



Min. working mass (Kg) 17000
Max. working mass (Kg) 30000
Rolling pressure (Kpa) 260—480
Driving speed
Forward, 1st (Km/h) 6.5
 Forward 2nd (Km/h) 11.0
 Forward 3rd (Km/h) 19.0
Reverse speed (Km/h) 5.0
Gradeability (%) 40
Min. turning radius (mm) 9000
Min. clearance (mm) 290
Compacting width (mm) 2750
Overlapping of front tyre (mm) ± 45
Overlapping of front & rear tyre (mm) 50
Tyres Smooth 11.00—20
Number of tyres Front 5, Rear 6
Engine model D6114ZG39A
 Type Water cooling, turbo-charged
 Max. power @ 2000r/min (kW) 132
Overall dimensions (Contour size)
 length (mm) 5060
 Width (mm) 2845
 Height (mm) 3380

Vibrating Roller (YZ14)

Applications:

Highway, mine, dam, airport, harbor, railway and industrial site etc.

Main Features:

Mechanical travel drive, hydraulic vibration and steering with optimal function/worth ratio and reliable performance.

Herringbone tread tires with great cohesive force for excellent passage and high travel speed.

Two sets of brake devices. a hand brake and foot pedal brake, assure the machine's safety and dependability.

Spacious and comfortable cab mounted on top quality rubber damping elements.

Operating weight 14 t

Diameter of vibrating drum 1530 mm

Rolling width 2130 mm

Static Linear Pressure 314 N/cm

Excitation force 266(141) KN

Vibration frequency 31 Hz

Theoretical amplitude of vibration 1.6(1.8) mm



Traveling speed 1 gear 1.8 Km/h

2 Traveling speed 2 gear 3.8

3 Traveling speed 3 gear 11.5

Gradeability 30%

Diesel engine: model Rated rotation speed Rated power 4135AK-3150073.5 r /minKW

Overall dimensions L W H 5700*2322*3220 mm

Vibrating Roller (YZ08)

Applications:

Road, sidewalk, country road, parking ground, trenches and courtyard etc.

Main Features:

Mechanical travel and vibration with reliable performance.

Vertical vibration with great excited force and high efficiency.

Compact design and small size assure rolling compaction into narrow ground.

Operating weight 0.8 t

Diameter of vibrating drum 700 mm

Rolling width 750 mm

Static Linear Pressure 80 N/cm

Excitation force 16 KN

Vibration frequency 50 Hz

Theoretical amplitude of vibration 0.7 mm

Traveling speed 1 gear 1.7 Km/h

2 Traveling speed 2 gear 3.5

Gradeability 20%

Diesel engine: model Rated rotation speed Rated power D185NM24006.38 r/minKW

Overall dimensions L W H 1646*890*1200 mm



Vibrating Roller (YSZ1.6)

Applications:

Road, sidewalk, country road, parking ground, trenches and courtyard etc.

Main Features:

Hydraulic transmission with two-range travel speeds.

All wheel drive with great gradeability.

Vertical vibration with great excited force and high efficiency.

Scraper and sprinkling on drums.

Operating weight 1.6 t

Diameter of vibrating drum 500 mm

Rolling width 800 mm

Static Linear Pressure 280 N/cm

Excitation force 45 KN

Vibration frequency 53 Hz

Theoretical amplitude of vibration 0.48 mm

Traveling speed 1 gear 2 Km/h

2 Traveling speed 2 gear 5.6

Gradeability 20%

Diesel engine :model Rated rotation speed Rated power

275300010.29 r/minKW

Overall dimensions L W H 2500*1050*2100 mm



Vibrating Roller (YZ4)

Applications:

Road, municipal work, parking area, sports ground and other projects etc.

Main Features:

Mechanical travel and vibration drives with reliable performance.

Compact design and beautiful appearance.

Spacious and comfortable cab mounted on top quality rubber damping elements.

Scraper and comfortable cab mounted on top quality rubber damping elements.



Operating weight 4 t

Diameter of vibrating drum 750 mm

Rolling width 1250 mm

Static Linear Pressure 201 N/cm

Excitation force 39.2 KN

Vibration frequency 47 Hz

Theoretical amplitude of vibration 0.5 mm

Traveling speed 1 gear 3.6 Km/h

2 Traveling speed 2 gear 7.4

Gradeability 20%

Diesel engine: model Rated rotation speed Rated power N485260029.4 r/minKW

Overall dimensions L W H 3000*1469*1960 mm

Vibrating Roller (YZ12)

YZ12 series vibratory roller is one kind of medium self-propelled vibratory roller. It is mainly used for the compacting work of infrastructure, sub-base and backfilling, which combined of sorts of materials. It is the ideal compacting machine for the building of high-level highway, airport, seaport, dam, and industrial yards.

All of YZ12 series vibratory roller's main components and system are in line with international standard, with characteristics and constructions such as: three-gear stepless speed drive, three independent brake system, three-level vibratory reductions, as well as hydraulic conjoint steering, etc.

YZ12 series includes three types: double drive and smooth drum, double drive and welded blocked wheel (DB as said in following table), as well as double drive and cover-shaped blocked wheel (DCB as said in following table). The changing work between the smooth and blocked drums is very simple.



Working mass (Kg) 11500
Module mass on front drum (Kg) 7000
Module mass on rear wheels (Kg) 4500
Static liner load (N/cm) 322
Speed range (Km/h) 0—9
Gradeability(%) 45
Min. outer turning radius (mm) 5900
Min. clearance (mm) 400
Max. shell protuberating (mm) 300
Steering angle $\pm 38^\circ$
Swing angle $\pm 9^\circ$
Vibrating frequency (high/low)(Hz) 30
Nominal amplitude (high/low)(mm) 1.50/0.73
Centrifugal force@high/low amplitude (kN) 254/123
Vibrating drum diameter (mm) 1550
Vibrating drum width (mm) 2134
Engine
 Model Deutz F6L912
 Type Air-cooling, aspiration automatically
 Max.power@2400r/min(kW) 80
Total length (mm) 5380
Total width (mm) 2540
Total height (mm) 2960

Vibrating Roller (YZ18JD)

YZ18JD vibratory roller is a heavy-duty self-propelled vibratory, which is mainly used for compaction during the engineering construction of high-class highways, airports, harbors, dams and industrial yards. Also lends itself to be used on the large-scale base course, sub-base and embankment fill compaction.

YZ18JD vibratory roller adopts the following described characteristics on its structure and performance: articulated beam-frame, mechanical 3-gear gearbox, open hydraulic vibrating system, 3-level vibration damper and hydraulic articulated steering system, etc.



Working mass (Kg): 18000

Mass distributed on front drum(Kg): 8700

Mass distributed on rear drum (Kg): 9300

Static linear load (N/cm): 390

Speed range (Km/h)

I speed: 2.86

II speed: 5.3

III speed: 9.7

Theoretical gradeability (%): 30

Min. outer turning radius (mm): 6500

Min. ground clearance(mm): 385

Max. shell protuberating (mm): 120

Steering angle: $\pm 34^\circ$

Swinging angle: $\pm 11^\circ$

Vibrating frequency (low/high) (Hz): 28

Nominal amplitude @ low/high fre.(mm):

Centrifugal force @ high/low amp. (kN): 330

Vibrating drum diameter (mm): 1523

Vibrating drum width (mm): 2178

Engine

Model: YC6108ZG7B

Type: water-cooling,
supercharged

Max. power @ 2500r/min(kW): 110

Rated speed (r/min): 18000

Total length (mm): 5610

Total width (mm): 2370

Total height (mm): 3160

Vibrating Roller (XS200)

XS200 vibratory roller is a super heavy self-propelled single-drum vibratory roller, which is mainly suited for compaction during the engineering construction of high-class highways, airports, harbors, dams and industrial yards, also lends itself to be used on the large-scale base course, sub-base and embankment fill compaction. The machine has original imported high-power engine and special hydraulic driving system, which can make the machine fit with construction work better in areas of plateau and desert.



XS200 series of vibratory roller takes its main components and system according to international style. It has following described advantages in its structure and performance: four-level infinitely speeding of closed hydraulic driving system, double frequency and double amplitude, on-line density inspecting system, wholly closed air-conditioned driving cab, ROPS system, the operating system which fulfills the principle of human engineering, suspension seat, hydraulic articulated steering and the configuration of stream line

Working mass (Kg) 20100
Mass distributed on front drum (Kg) 13350
Mass distributed on rear drum (Kg) 6750
Static linear load (N/cm) 627
Speed range (Km/h) 0—12
Theoretical gradeability (%) 50
Min. outer turning radius (mm) 6870
Min. ground clearance (mm) 450
Max. shell protuberating (mm) 150
Steering angle $\pm 30^\circ$
Swinging angle $\pm 9^\circ$
Vibrating frequency (low/high) (Hz) 28/35
Nominal amplitude @ low/high fre. (mm)
1.90/0.83
Centrifugal force @ low fre. high amp./high
fre. low amp. (kN) 395/270
Vibrating drum diameter (mm) 1600
Vibrating drum width (mm) 2130

Engine

Model CUMMINS 6CTA8.3
Type Air-cooling supercharged
Max. power @ 2500r/min(kW) 141
Total length (mm) 6295
Total width (mm) 2430
Total height (mm) 3188

Vibrating Roller (XS160A)

XS160A Vibratory roller is the heavy self-propelled single-drum vibratory roller, which is mainly suited for compaction during constructions of high-class highways, airports, harbors, dams and industrial yards, Also lends itself to be used on the large-scale base course, sub-base and embankment fill compaction. The machine has original high-power engine and special hydraulic driving system, which can make the machine fit with construction work better in areas of plateau and desert.



XS160A Vibratory roller takes its main components and system according to international style. It has following described advantages in its structure and performance: Four-level infinitely speeding of closed hydraulic driving system, double frequency and double amplitude, wholly closed air-conditioned driving cab, the operating system which fulfills the ergonomically principle, suspension seat, hydraulic articulated steering and the configuration of stream line

Working mass (Kg) 16800
Module mass on front drum (Kg) 10700
Module mass on rear wheels (Kg) 6100
Static liner load (N/cm) 492
Speed range (Km/h) 0—12
Gradeability(%) 55
Min. turning radius (mm) 6320
Min. clearance (mm) 450
Max. protuberating (mm) 150
Steering angle $\pm 33^\circ$
Swinging angle $\pm 9^\circ$
Vibrating frequency (low/high) (Hz) 28/38
Nominal amplitude @ low/high frequency
(mm) 1.80/0.79
Centrifugal force@ low frequency high
amplitude/high frequency high amplitude
(kN) 350/240
Vibrating drum diameter (mm) 1523
Vibrating drum width (mm) 2130

Engine

Model Deutz BF6L913

Type Air cooling ,turbo-charged

Max.Power@2500r/min(kW) 118

Total length (mm) 6295

Total width (mm) 2430

Total height (mm) 3188

Vibrating Roller (XS260)

XS260 vibratory roller are the extra-heavy self propelled single-drum vibratory roller, which is mainly suited for compacting jobs with construction of high class highway, airports, harbors, dam and industrial yards. Also lends itself to be used on the large-scale base course, sub-base and embankment fill compaction.

- * The diesel engine with air-cooling supercharged, middle cool and strong power.

- * Anti-slip hydraulic driving system and anti-slip hydraulic driving axle could meet various requirement for traction.

- * Dual frequency & dual amplitude closed vibrating system and the rational static linear load matching with centrifugal force could make the machine satisfy different compaction requirement under different working condition.

- * The streamline design and wide vision make it easy for operation and control.

- * The control cab is equipped with ultra-violet radiation-proof, air conditioner, low-temperature starting system and electrical frost removing device, which makes the machine being applied in plateau area. (only for plateau -type machine)



Working mass (Kg) 25600

Mass distributed on front drum (Kg) 17500

Mass distributed on rear drum (Kg) 8100

Static linear load (N/cm) 805

Speed range (Km/h) 0—12

Theoretical gradeability (%) 50

Min. outer turning radius (mm) 6870

Vibrating frequency (Hz) 27/32

Nominal amplitude (low/high fre.) (mm) 2.1/1.0

Centrifugal force (low fre. high amp./ high fre. low amp.) (kN) 430/290

Vibrating drum diameter (mm) 1600

Vibrating drum width (mm) 2130

Engine model Deutz BF6L913C

Rated power (kW) 141

Roller (2YJ10)

Applications:

Highway, municipal work, parking area and industry ground etc.

Main Features:

This roller has reliable function, flexible, steering, good stability and smooth compact.

Two sets of brake devices, a hand brake and foot pedal brake, assure the machine's safety and dependability.

Sprinkle system, water sprayed smoothly on roll faces.



Without ballast weight 8 t

With ballast weight 10 t

Diameter of rear-wheel 200 mm

Compacted width 1450 mm

Maximum Linear pressure 414 N/cm

Minimum steering radius 5.98 m

Traveling speed 1 gear 2 Km/h

2 Traveling speed 2 gear 4

3 Traveling speed 3 gear 7

Gradeability 20%

Diesel engine: model Rated rotation speed Rated power N485260029.4 r/minKW

Overall dimensions L W H 4305*1762*2550 mm

Roller (3Y21)

3Y21 are of super heavy-duty self-propelled smooth-drum road roller, which are mainly used for compaction work of base course and surface layer of different materials. They are also the ideal equipment for the compaction job of highways, industrial yards and construction fields.

3Y21 are mainly featured in 3-gear mechanical driving, ballast increasing or decreasing and hydraulic steering, etc.

Min. operating mass (Kg) 18000

Max. operating mass (Kg) 21000

Max. linear load of rear drum (N/cm) 1170

Driving speed

I speed (Km/h) 2.3

II speed (Km/h) 4.4

III speed (Km/h) 7.9

Theoretical gradeability (%) 20

Min. outer turning radius (mm) 6500

Min. ground clearance (mm) 420

Compacting width (mm) 2320

Compaction overlapping (mm) 100



Engine

Model 4135Ak-2a、YC6108G

Type Water-cooling, natural air

Max. power @2400r/min(kW) 73.5

Contour dimension

Total length (mm) 5150

Total width (mm) 2320

Total height (mm) 3010

Roller (3Y15)

3Y15 are of super heavy-duty self-propelled smooth-drum road roller, which are mainly used for compaction work of base course and surface layer of different materials. They are also the ideal equipment for the compaction job of highways, industrial yards and construction fields.

3Y15A are mainly featured in 3-gear mechanical driving; ballast increasing or decreasing and hydraulic steering, etc.

Min. operating mass (Kg) 12000

Max. operating mass (Kg) 15000

Max. linear load of rear drum (N/cm) 960

Driving speed

I speed (Km/h) 2

II speed (Km/h) 4

III speed (Km/h) 7

Theoretical gradeability (%) 20

Min. outer turning radius (mm) 6500

Min. ground clearance (mm) 320

Compacting width (mm) 2120

Compaction overlapping (mm) 100



Engine

Model 4135k-2b

Type Water-cooling, natural air

Max. power @2400r/min(kW) 59

Contour dimension

Total length (mm) 4910

Total width (mm) 2120

Total height (mm) 2800

Road Building Machinery

Asphalt Road Milling Machine (LZXY500)

Milling Width mm 500
Milling Depth mm 0~60
Milling Speed m/min 0~28
Traveling Speed km/h 0~14
Axle Base mm 2000
Wheel Distance (Front Wheel) mm 844
Wheel Distance (rear Wheel) mm 1147
Climbing Capacity % ≥ 15
Min. Turning Diameter m ≤ 14
Min. Distance from Ground mm ≥ 80
Water Tank Volume L 150
Electric System Voltage V 12
Engine Model F4L912T
Rated Power kw 46
Rated Rotate Speed r/min 2000
Weight kg 4800
Oversize (Traveling Situation) mm
3160x1420x2700



Asphalt Road Milling Machine (LXZY1000B)

Milling Width mm 1000
Milling Depth mm 0~100
Milling Speed m/min 0~13
Traveling Speed km/h 0~11
Axle Base mm 2235
Wheel Distance (Front Wheel) mm 1650
Wheel Distance (rear Wheel) mm 1810
Climbing Capacity % ≥ 15
Min. Turning Diameter mm ≤ 11
Min. Distance from Ground mm ≥ 80
Water Tank Volume L 350
Electric System Voltage V 24
Engine Model F6L913T
Rated Power kw 86
Rated Rotate Speed r/min 2300
Weight kg 12500
Oversize mm 4000x2170x2740



Asphalt Road Milling Machine (ZJY5100TYHL)

Hopper Capacity kg 2500~3000

Asphalt Tank Capacity L 100

Roller Length mm 1625

Roller Pressure n/cm 200~350

Rolling Speed km/h 1.5~3

Max. Running Speed km/h 85

Seats 6

Axle Base mm 3950

Wheel Distance (Front Wheel) mm 1810

Wheel Distance (Rear Wheel) mm 1800

Near Angle (Full Load) ° 28

Away Angle (Full Load) ° 12

Min. Turning Diameter m ≤ 16

Brake Distance m ≤ 9

Min. Distance from Ground mm ≥ 230

Chassis Model EQ3092FJ

Engine Model EQ6100-1

Max. Power kw 99

Weight kg 6500

Oversize mm 7000x2455x2600



Reclaim Asphalt Road Milling Machine (LXZYH1000)



Milling Width mm 1000

Milling Depth mm 0~100

Milling Speed m/min 0~13

Traveling Speed km/h 0~11

Axle Base mm 2235

Wheel Distance (Front Wheel) mm 1650

Wheel Distance (rear Wheel) mm 1810

Climbing Capacity % ≥ 15

Min. Turning Diameter mm ≤ 11

Min. Distance from Ground mm ≥ 80

Water Tank Volume L 350

Electric System Voltage V 24

Engine Model BF6L913-G31

Rated Power kw 112

Rated Rotate Speed r/min 2300

Weight kg 13500

Oversize mm 9800x2170x3000

Reclaim Asphalt Road Milling Machine (LXZYH2000)



Milling Width mm 2000
Milling Depth mm 0~200
Milling Speed m/min 0~35
Traveling Speed km/h 0~7.5
Axle Base mm 3800
Wheel Distance (Front Wheel) mm 1950
Wheel Distance (rear Wheel) mm 1950
Climbing Capacity % ≥ 20
Min. Turning Diameter mm 8000
Min. Distance from Ground mm ≥ 180
Conveyor Belt Width mm 800

Max. Discharge Height mm ≥ 4200
Electric System Voltage V 24
Engine Model NYA855-C400
Rated Power kw 298
Rated Rotate Speed rpm 2100
Weight kg 24500
Oversize (Traveling Situation) mm
13760x3100x4200

Slipform Concrete Paver (1220MAXI-PAV)



Basic Paving Width m 4.25

Max. Paving Width m 8.5

Paving Thickness mm 0~450(Full-width)

Paving Speed m/min 0~5

Theoretical Productivity t/h 350

Climbing Capacity % Working

Climbing $\geq 10\%$

No-load Climbing $\geq 15\%$

Vibrator Frequency Hz 150

Engine Model 3306B

Rated Power kw 194

Rated Rotate Speed Rpm 2000

Auger Speed Rpm 34

Weight T 25

Oversize mm 3660×9800×2650

Slipform Concrete Paver (HTH8500)



Basic Paving Width m 3.5
Max. Paving Width m 8.5
Paving Thickness mm 0~450(Full-sized)
Paving Speed m/min 0~5
Max. Theory Productivity t/h 350
Climbing Capacity % Working
Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 150

Engine Model 3306B
Rated Power kw 194
Rated Rotate Speed Rpm 2000
Auger Speed Rpm 34
Weight T 45
Oversize mm 11550×3280×3200

Versatile Paver (WLT85B)

Basic Paving Width mm 3000
Max. Paving Width mm 8500
Paving Thickness mm 20~320
Paving Speed m/min 2.00-6.25
Driving Speed km/h 0.90~2.86
Hopper Capacity t 12
Max. Theory Productivity t/h 500
Climbing Capacity % Working
Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~33.3
Tammer Impact Time 次/min 0~1500
Tammer Traveling mm 5
Max. Paving Crown % 3
Engine Model BF6L913
Rated Power kw 112
Rated Rotate Speed r/min 2300
Weight t 16.5~19.5
Oversize mm 6220×3270×3050



Versatile Paver (WLT90)

Basic Paving Width mm 3000
Max. Paving Width mm 9000
Paving Thickness mm 20~320
Paving Speed m/min 2.00-6.25
Driving Speed km/h 0.90~2.86
Hopper Capacity t 12
Max. Theory Productivity t/h 500
Climbing Capacity % Working Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~33.3
Tammer Impact Time Times/min 0~1500
Tammer Traveling mm 5
Max. Paving Crown % 3
Engine Model BF6L913
Rated Power kw 112
Rated Rotate Speed r/min 2300
Weight t 16.5~20.5
Oversize mm 6220×3270×3050



Versatile Paver (WLT105)

Basic Paving Width mm 3000
Max. Paving Width mm 10500
Paving Thickness mm 20~320
Paving Speed m/min 2.00-3.347
Driving Speed km/h 0.90~2.55
Hopper Capacity t 14
Max. Theory Productivity t/h 500
Climbing Capacity % Working
Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~50
Tamper Impact Time Times/min 0~1500
Tamper Traveling mm 5
Max. Paving Crown % 3
Engine Model BF6L913
Rated Power kw 133
Rated Rotate Speed r/min 2300
Weight t 21.7~26.2
Oversize mm 6481 \times 3400 \times 3300



Versatile Paver (WLT125)



Basic Paving Width mm 3000
Max. Paving Width mm
12500(Asphalt),9500(Double Ash)
Paving Thickness mm 20~320
Paving Speed m/min 2.00~3.34
Driving Speed km/h 0.92~2.55
Hopper Capacity t 14
Max. Theory Productivity t/h 800
Climbing Capacity % Working Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~50

Tamper Impact Time 次/min 0~1500
Tamper Traveling mm Main: 3,5,7,9
Subsidiary: 0,3,6,9,12
Max. Paving Crown % 3
Engine Model BF6M1013
Rated Power kw 133
Rated Rotate Speed r/min 2300
Scraper Speed m/min 20.6—34.3
Auger Speed r/min 0~98
Heating Method by gas
Weight t 21.7~28.2
Oversize mm 6481×3400×3300

Versatile Paver (HP75)

Basic Paving Width mm 3000
Max. Paving Width mm 7500
Paving Thickness mm 20~320
Paving Speed m/min 0~12
Driving Speed km/h 0~3
Hopper Capacity t 13
Max. Theory Productivity 600
Vibrator Frequency Hz 0~50
Rated Rotate Speed r/min 2300
Weight t 19~22
Oversize mm 6220×3182×3872



Versatile Paver (HP105)



Basic Paving Width mm 3000
Max. Paving Width mm 10500
Paving Thickness mm 20~320
Paving Speed m/min 0~17
Max. Running Speed km/h 4
Hopper Capacity t 13
Max. Theory Productivity t/h 600
Max. Climbing Capacity % Working
Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~50
Impact Time times/min 0~1500

Tamper Traveling mm Main 3.5.7.9
Subsidiary 0.3.6.9.12
Max. Paving Crown % 3
Engine Model BF6M1013
Rated Power kw 133
Rated Rotate Speed r/min 2300
Scraper Speed m/min 0~25
Auger Speed r/min 0~112
Heating Method Gas Heating
Weight t 19~25
Oversize mm 6130×3182×3713

Asphalt Paver (2LTLZ45B)

Basic Paving Width mm 2500
Max. Paving Width mm 4500
Paving Thickness mm 10~250
Paving width 2500mm, Max. Thickness 250mm
Paving width 4500mm, Max. Thickness 150mm
Paving Speed m/min 3.01~8.97
Driving Speed km/h 2.29~16.74
Hopper Volume t 10
Max. Theoretical Productivity t/h 220
Climbing Capacity % Working Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 50
Max. Paving Crown % 4
Diesel Model F4L912
Rated Power kw 46
Rated Rotate Speed r/min 2000
Plate Feeder Speed m/min 11.6~34.5
Auger Screw Rotate Speed r/min 49~146
Heating Method Fuel Heating
Weight t 11
Oversize mm 5550×2494×2450



Asphalt Paver (LTL60B)

Basic Paving Width mm 2500
Max. Paving Width mm 6000
Paving Thickness mm 10~250
Paving width 2500mm, Max. Thickness 250mm
Paving width 4500mm, Max. Thickness 150mm
Paving width 6000mm, Max. Thickness 100mm
Paving Speed m/min 2.03~6.07
Driving Speed km/h 1.55~4.62
Hopper Volume t 10
Max. Theoretical Productivity t/h 220
Climbing Capacity % Working Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 50
Max. Paving Crown % 4
Diesel Model F4L912
Rated Power kw 46
Rated Rotate Speed r/min 2000
Scraper Speed m/min 9.9~29.4
Auger Speed r/min 39~118
Heating Method Fuel Heating
Weight t 11
Oversize mm 5740×2494×2450



Asphalt Paver (LTL80)

Basic Paving Width mm 3000
Max. Paving Width mm 8000
Paving Thickness mm 20~300
Paving Speed m/min 2.00~3.60
Driving Speed km/h 0.90~2.86
Hopper Capacity t 12
Max. Theoretical Productivity 400
Climbing Capacity % Working
Climbing $\geq 10\%$
No-load Climbing $\geq 15\%$
Vibrator Frequency Hz 0~50
Max. Paving Crown % 4
Diesel Model F6L913T
Rated Power kw 86
Rated Rotate Speed r/min 2300
Scraper Speed m/min 19.6~33.2
Auger Speed r/min 71~120
Heating Method Fuel Heating
Weight t 18.4
Oversize mm 6565 \times 3210 \times 3050



An aerial photograph showing a coastal region. The land is covered in dense, green vegetation, with some lighter patches indicating cleared areas or roads. A large, dark blue body of water, likely a bay or a large lake, is visible on the right side of the image. The coastline is irregular, with several small inlets and peninsulas. The overall scene is a natural, undeveloped landscape.

Pile Work Equipment

Hydraulic Hammer (NH-70)

This hydraulic hammer has advantages as followings: shorter length of hammer, lower noise, without oil-smoke, lower fuel consumption, etc. This hydraulic hammer is suitable for the foundation projects of harbor, airport, high-rise, bridge, etc.

Item Model NH70

Driving mechanism Hydraulic cylinder with double-action mechanism

Ram weight 7000 kg

Max ram stroke (equivalent to free drop) 1280 mm

Driving energy 8.96 TON-m

Driving cycle (At max, ram stroke with the following hydraulic power source)
25-70 (1/min)

Rated pressure Hydraulic power source Operating pressure 21 MPa

Max. oil flow 218 (l/min)

Suitable pile dia. Concrete 300~600 mm

Steel pipe 300~800 mm

Driving direction Vertical

Operating weight (Including lifting device and hammer cap) 14400 kg

Guide: pitch × pipe dia. 300 × 70 mm



Hydraulic Hammer (NH-100)

We imported the advanced technology from the Japanese NIPPON SHARYO LTD to produce this hydraulic hammer. This hydraulic hammer has advantages as followings: shorter length of hammer, lower noise, without oil-smoke, lower fuel consumption, etc. This hydraulic hammer is suitable for the foundation projects of harbor, airport, high-rise, bridge, etc

Item Model NH100

Driving mechanism Hydraulic cylinder with double-action mechanism

Ram weight 10000 kg

Max ram stroke (equivalent to free drop) 1440 mm

Driving energy 14.4 TON-m

Driving cycle (At max, ram stroke with the following hydraulic power source)
25-56 (1/min)

Rated pressure Hydraulic power source Operating pressure 21 MPa

Max. oil flow 242 (l/min)

Suitable pile dia. Concrete 400~800 mm

Steel pipe 400~1500 mm

Driving direction Vertical

Operating weight (Including lifting device and hammer cap) 22500 kg

Guide: pitch × pipe dia. 600 × 101.6 mm



Vibratory Hammer (DZ120)

This model of vibratory pile hammer is integrated with advantages of series DZ vibratory pile hammer which are currently put into use. The construction of this machine has already been modified and is designed as multifunction vibratory hammer. There is holed. $\Phi 500\text{mm}$ at the centre of the hammer. So it can work by free fall or set reinforcement cage directly. It can impact pipe less than dia. $\Phi 600\text{mm}$, cast-in-place concrete pile as well as steel plate pile, shape steel pile and concrete prefabricated pile.

APPLICATION

1. When used in combination with a crane, this machine is suitable for driving & extracting steel sheet piles. H steel piles etc.
2. When used in combination with a pile frame which is equipped with guide device. It is suitable to drive steel pipe pipes & prefabricated concrete piles. It is most suitable for driving cast in place concrete or sand piles.
3. If two more vibratory hammers are operated in synchronization. They could be used to drive larger pipe piles.



Technical data Unit DZ120

Motor Power kw 120

Torque of eccentricity N.m(kg-cm) 700

centrifugal force kN(t) 782

Amplitude during idling mm 13.33

Acceleration during idling g 14

Number of Vibration r.p.m 1000

Weight kg 7303

Crane lifting capacity kN(t) 350

Pile clamping force kN(t) 240

Maximum N value motor power 120kw

Sandy ground N

Clay ground silt ground N

Power source capacity NVA

Overall dimensions

Height mm

Width mm

Length mm

Dia of centre hole mm

Vibratory weight kg 5350

Hanging weight kg 1963

Vibratory Hammer (DZ90KS)

This model of vibratory pile hammer is integrated with advantages of series DZ vibratory pile hammer which are currently put into use. The construction of this machine has already been modified and is designed as multifunction vibratory hammer. There is holed. Φ 500mm at the centre of the hammer. So it can work by free fall or set reinforcement cage directly. It can impact pipe less than dia. Φ 600mm, cast-in-place concrete pile as well as steel plate pile, shape steel pile and concrete prefabricated pile.

APPLICATION

1. When used in combination with a crane, this machine is suitable for driving & extracting steel sheet piles. H steel piles etc.
2. When used in combination with a pile frame which is equipped with guide device. It is suitable to drive steel pipe pipes & prefabricated concrete piles. It is most suitable for driving cast in place concrete or sand piles.
3. If two more vibratory hammers are operated in synchronization. They could be used to drive larger pipe piles.



Technical data Unit DZ90KS

Motor Power kw 90

Torque of eccentricity N.m(kg-cm) 468

centrifugal force kN(t) 618

Amplitude during idling mm 8.4

Acceleration during idling g 9.42

Number of Vibration r.p.m 1050

Weight kg 7650

Crane lifting capacity kN(t) 260

Pile clamping force kN(t) 200

Maximum N value motor power 45kw $\times 2/90$

Sandy ground N

Clay ground silt ground N

Power source capacity NVA

Overall dimensions middle hole diameter m/m $\Phi 600$

Height mm

Width mm

Length mm

Dia of centre hole mm

Vibratory weight kg 5674

Hanging weight kg 1976

Diesel Pile Hammer (D16)

brand D series diesel hammers have some advantages such as: strong working power, low oil consumption, high working efficiency, good economics performance, long working life and etc., comparing with other diesel hammer.

brand D series diesel hammers not only have good reputation in domestic market, but also were exported to east-south Asia, Korea, American and other counties.

Technical data Unit D16-321:3 1:2

Impact weight (piston) Kg 1600

Energy per blow Nm 53460-25585

Number of blows 1/min 36-52

Force of explosion pressure on pile max KN 686

Suitable for driving piles, up to (The data mentioned refers to average values mainly valid for concrete piles. Depending on the soil conditions deviations are possible) Kg 5000

Permissible rope diameter for deflector sheave of tripping device max mm 20

Consumption Diesel oil l/h 5.50

Lubricant l/h 1

Capacity for vertical piling Diesel oil tank l 32

Lube tank l 9

Ether tank l 1.20

Weights Diesel pile hammer approx Kg 3250

Tripping device approx Kg 100

Transport bracket/cradle approx Kg 11

Transport guard approx Kg 15

Tool box approx Kg 75

Dimensions Length of Diesel pile hammer a/a1 mm 4730/5570

Outer diameter of impact block b mm 440

Over all dimensions measured over fastening screw of the guide jaws mm 560

Width of Diesel pile hammer d mm 485

Width for connection of guide jaws e mm 320

Centre of Diesel pile hammer up to pump guard f mm 345

Centre of Diesel pile hammer up to centre of threaded hole for fastening screws of the guide jaws g mm 280

Depth of diesel pile hammer h mm 665

Minimum (standard) distance from centre of diesel pile hammer up to the center lead H mm

Distance between center L(x guide clamps) mm 330(x Φ 70)



Diesel Pile Hammer (D50A)

These diesel pile hammers are suitable for various types of piles such as precast concrete piles, steel pipe piles, steel plate piles, etc. They are important equipments for high building, bridge and harbor construction in their foundation work.

These hammers feature light, steady performance, easy operation and high efficiency.

The strokes of piston and impact block of these hammers are directly proportional to the penetration resistance. The stroke increases, when the resistance increases. That means that the impact energy increases so as to fit the working in hard soil particularly.

Cooling method (Water cooled) Unit D50A

Impact weight t 5

Max impact energy kN·m 122.6

Number of blows 1/min 42~52

Max. driving inclination angle 18.5°

Total weight t 10.5



Diesel Pile Hammer (DIA260)

Diesel pile driving machine is suitable for the wooden-bridge-foot (under 40 tons class) of different kinds of structure-bridge, and different kinds of small types of the wooden pile, the concrete pile of buildings and highways, the fence-railing pile on both sides of expressways.

The tube type pile hammer of the diesel pile driving machine is the working machine using diesel oil, with the guide rod structure, the mechanical mechanism, and the high pressure oil jetting. So this machine is more effective, economical and has better soft-soil starting performance comparing with other forms of diesel pile driving machines.

Technical data

Unit DIA260

MAX. Diameter of pile mm 240

RAM Weight Kg 140

MAX Jumping Height mm 1450

Number of blows per minute

blow/mm 46-80

Energy per blow kg-m 260

Diameter of Cylinder mm 120

Distance of RAM stroke mm 2080

Compressions ratio 1:15

Fuel consumption L/Hr 0.75

Capacity of fuel tank L 1.2

Diameter of plunger mm 10

MAX. Distance of plunger mm 10

Diameter of injector mm 0.2

Total Weight Kg 1000

impact block journey mm 18

Electric or handle winch Lifting

WT. Ton 0.5

Capacity J(25%) Kw 2.2

Speed M.Pmin 17

Type Y18L-4

Weight kg 110

Overall dimensions

Height m 4.98

Width m 3.5

Length m 2.30



Diesel Pile Driving Machine (DD1.8)

Diesel pile driving machine is suitable for the wooden-bridge-foot (under 40 tons class) of different kinds of structure-bridge, and different kinds of small types of the wooden pile, the concrete pile of buildings and highways, the fence-railing pile on both sides of expressways.

The tube type pile hammer of the diesel pile driving machine is the working machine using diesel oil, with the guide rod structure, the mechanical mechanism, and the high pressure oil jetting. So this machine is more effective, economical and has better soft-soil starting performance comparing with other forms of diesel pile driving machines.

Technical data Unit DD1.8

MAX. Diameter of pile mm 240

RAM Weight Kg 180

MAX Jumping Height mm 1450

Number of blows per minute blow/mm
70-75

Energy per blow kg-m 240

Diameter of Cylinder mm 120

Distance of RAM stroke mm 152.8

Compressions ratio 1:15

Fuel consumption L/Hr 0.95

Capacity of fuel tank L 1

Diameter of plunger mm 10

MAX. Distance of plunger mm 10

Diameter of injector mm 0.2

Total Weight Kg 980

impact block journey mm

Electric or handle winch Lifting

WT. Ton 0.3

Capacity J(25%) Kw 1.1

Speed M.Pmin 17

Type JJK—0.3

Weight kg 100

Overall dimensions

Height m 4.98

Width m 3.5

Length m 2.35



Diesel Pile Driving Machine (DD2)

This series of Diesel Pile Drivers are specially for bridge, embankment, road, and irrigation constructions. It is suitable for driving wooden piles, concrete piles, and metal piles etc.

This kind of pile drivers is light in weight and convenient in assembling and transportation, and can be put in operation in a short time.

Technical data Unit DD2

MAX. Height of pile m 5

MAX. diameter of pile mm
200

RAM: Weight kg 220

MAX: Jumping Height mm
1300

Diameter of Cylinder mm
120

Energy per blow KJ 3

compression ration 1:18

Winch KN 5

Hammer Dimension Length
mm 460

Width mm 460

Height mm 2080

Total weight kg 460

Pile Frame Dimension
Length m 2.9

Width m 2.2

Height m 7.4

Total weight kg 1080



Diesel Pile Driving Machine (DD25)

This series of Diesel Pile Drivers are specially for bridge, embankment, road, and irrigation constructions. It is suitable for driving wooden piles, concrete piles, and metal piles etc.

This kind of pile drivers is light in weight and convenient in assembling and transportation, and can be put in operation in a short time.

Technical data Unit DD25

MAX. Height of pile m 16

MAX. diameter of pile mm 450

RAM: Weight kg 2500

MAX: Jumping Height mm
2100

Diameter of Cylinder mm 370

Energy per blow KJ 41.2

compression ration 1:18

Winch KN 30

Hammer Dimension Length mm
970

Width mm 960

Height mm 4920

Total weight kg 4200

Pile Frame Dimension Length
m 8.2

Width m 6.3

Height m 21.9

Total weight kg 17750



Diesel Pile Driving Machine (DD3.2)

Diesel pile driving machine is suitable for the wooden-bridge-foot (under 40 tons class) of different kinds of structure-bridge, and different kinds of small types of the wooden pile, the concrete pile of buildings and highways, the fence-railing pile on both sides of expressways.

The tube type pile hammer of the diesel pile driving machine is the working machine using diesel oil, with the guide rod structure, the mechanical mechanism, and the high pressure oil jetting. So this machine is more effective, economical and has better soft-soil starting performance comparing with other forms of diesel pile driving machines.

Technical data Unit DD3.2

MAX. Diameter of pile mm 240

RAM Weight Kg 320

MAX Jumping Height mm 1450

Number of blows per minute blow/mm
60-70

Energy per blow kg-m 415

Diameter of Cylinder mm 135

Distance of RAM stroke mm 152.8

Compressions ratio 1:15

Fuel consumption L/Hr 0.95

Capacity of fuel tank L 1

Diameter of plunger mm 10

MAX. Distance of plunger mm 10

Diameter of injector mm 0.2

Total Weight Kg 1120

impact block journey mm

Electric or handle winch Lifting WT.
Ton 0.5

Capacity J(25%) Kw 2.2

Speed M.Pmin 17

Type Y18L-4

Weight kg 110

Overall dimensions

Height m 4.98

Width m 3.5

Length m 2.30



FORKLIFT TRUCK

28TON DIESEL FORKLIFT TRUCK

Rated capacity (Kg): 27000
Maximum lift height (mm): 4000
Load centre distance (mm): 1220
Maximum lift speed (loaded) (mm/s): 240
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): 29
Minimum turning radius (mm): 6800
Gradeability (%): 20
Overall length (G) (mm): 9640
Overall width (H) (mm): 3670
Overall height (J) (mm):
Overhead height (mm): 3570
Wheel base (L) (mm): 4800
Tread (mm): FRONT 2635
REVERSE 2750

Service weight (Kg): 42050
Engine: MODEL MITSUBISHI 6D24-TCE1
DISPLACEMENT 11945cc
RATED POWER/SPEED 235 Kw /2200 rpm
MAX.TORQUE/ SPEED 1152/1400 rpm

Tyre: FRONT 16.00-25-28PR
REAR 16.00-25-28PR

Transmission form: HYDRAULIC



25TON DIESEL FORKLIFT TRUCK

Truck model: FD250Q
Rated capacity (Kg): 25000
Maximum lift height (mm): 4000
Load centre distance (mm): 1220
Maximum lift speed (loaded) (mm/s): 190
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): 30
Minimum turning radius (mm): 6070
Gradeability (%): 17.5
Overall length (G) (mm): 8977
Overall width (H) (mm): 3180
Overall height (J) (mm):
Overhead height (mm): 3510
Wheel base (L) (mm): 4500
Tread (mm): FRONT 2350 REVERSE 2480
Service weight (Kg): 33300
Engine: MODEL MITSUBISHI 6D24-E1 DISPLACEMENT
11945cc RATED POWER/SPEED 143.4 Kw /2000 rpm
MAX. TORQUE/ SPEED 745.3/1600 rpm
Tyre: FRONT 14.00-24-28PR REAR 14.00-24-28PR
Transmission form: HYDRAULIC



15TON DIESEL FORKLIFT TRUCK

Rated capacity (Kg): 15000
Maximum lift height (mm): 3000
Load centre distance (mm): 600
Maximum lift speed (loaded) (mm/s): 310
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): FORWARD 34
(3rd)REVERSE 34(3rd)
Minimum turning radius (mm): 5000
Gradeability (%): 20
Overall length (G) (mm): 7115
Overall width (H) (mm): 3100
Overall height (J) (mm): 3555
Overhead height (mm): 3250
Wheel base (L) (mm): 3500
Tread (mm): FRONT 2300REVERSE 2500
Service weight (Kg): 22250
Engine: MODEL MITSUBISHI 6D24-E1RATED
POWER/SPEED 143.4 Kw /2000 rpm MAX.TORQUE/
SPEED 745.3/1600 rpm
Tyre: FRONT 4X12.00-24-16PRREAR 2X12.00-24-16PR
Transmission form: HYDRAULIC



10TON DIESEL FORKLIFT TRUCK

Rated capacity (Kg): 10000
Maximum lift height (mm): 4000
Load centre distance (mm): 600
Maximum lift speed (loaded) (mm/s): 320
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): FORWARD 26 REVERSE
26
Minimum turning radius (mm): 4000
Gradeability (%): 20
Overall length (G) (mm): 5775
Overall width (H) (mm): 2280
Overall height (J) (mm): 3515
Overhead height (mm): 2830
Wheel base (L) (mm): 2800
Tread (mm): FRONT 1690 REVERSE 1790
Service weight (Kg): 14900
Engine: MODEL DALIAN 6113B GRATED
POWER/SPEED 112 Kw /2200 rpm MAX.TORQUE/
SPEED 500 /1600 rpm
Tyre: FRONT 4X10.00-20-16 PR REAR 2X10.00-20-
16 PR
Transmission form: HYDRAULIC



6TON DIESEL FORKLIFT TRUCK

Rated capacity (Kg): 6000
Maximum lift height (mm): 3000
Load centre distance (mm): 600
Maximum lift speed (loaded) (mm/s): 400
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): FORWARD 28
REVERSE 28

Minimum turning radius (mm): 3450
Gradeability (%): 20
Overall length (G) (mm): 4835
Overall width (H) (mm): 2060
Overall height (J) (mm): 2560
Overhead height (mm): 2420
Wheel base (L) (mm): 2200
Tread (mm): FRONT 1550
REVERSE 1520

Service weight (Kg): 8600
Engine: MODEL ISUZU 6BG1QC-02
RATED POWER/SPEED 82.4 Kw /2000 rpm
MAX.TORQUE/ SPEED 417N.m /1500 rpm

Tyre: FRONT 4X8.25-15-14PR
REAR 2X8.25-15-14PR



3TON DIESEL FORKLIFT TRUCK

Rated capacity (Kg): 3000
Maximum lift height (mm): 3000
Load centre distance (mm): 500
Maximum lift speed (loaded) (mm/s): 380
Tilting angle forward/backward (deg): 6/12
Travel speed (unload) (Km/h): FORWARD
20 REVERSE 20
Minimum turning radius (mm): 2424
Gradeability (%): 15
Overall length (G) (mm): 3765
Overall width (H) (mm): 1225
Overall height (J) (mm): 2090
Overhead height (mm): 2090
Wheel base (L) (mm): 1700
Tread (mm): FRONT 1000 REVERSE 970
Service weight (Kg): 4320
Engine: MODEL NISSAN H25 RATED
POWER/SPEED 41.2 Kw /2500 rpm
MAX.TORQUE/ SPEED 179.5N.m /1600 rpm
Tyre: FRONT 28X9-15-12P REAR 6.50-10.0-
10PR
Transmission form: HYDRAULIC



2.5TON ELECTRIC FORKLIFT TRUCK

Rated capacity (Kg): 2500
Maximum lift height (mm): 3000
Load centre distance (mm): 500
Free lift height (mm): 260
Tilting angle forward/backward (deg): 5/10
Maximum lift speed (loaded) (mm/s): 270
Maximum lower speed (loaded) (mm/s):
Travel speed (unload/loading): FORWARD 14.5/12
(NO LOAD/RATED LOAD)
REVERSE 14.5/12 (NO LOAD/RATED LOAD)

Minimum turning radius (mm): 2045
Gradeability (%): 20
Overall length (mm): 2098
Overall width (mm): 1165
Overall height (mm): TO TOP OF MAST LOWERED
2040
MAST EXTENDED 4030
TO TOP OF OVERHEAD GUARD 2080



Wheel base(mm): 1450
Under clearance (mm): 105
Service brake: HYDRAULIC
Parking brake: MECHANICAL/MANUAL
Service weight (Kg): 3945
Tyre: FRONT 23X9-10-16PR
REAR 18X7-8-14PR

Battery box dimension (L*H) (mm):
1096X868X462
Voltage (V): 48

1.5TON ELECTRIC FORKLIFT TRUCK

Rated capacity (Kg): 1500
Maximum lift height (mm): 3000
Load centre distance (mm): 500
Free lift height (mm): 260
Tilting angle forward/backward (deg): 5/10
Maximum lift speed (loaded) (mm/s): 320
Maximum lower speed (loaded) (mm/s):
Travel speed (unload/loaded): FORWARD 14.5/12 (NO
LOAD/RATED LOAD)
REVERSE 14.5/12 (NO LOAD/RATED LOAD)

Minimum turning radius (mm): 1850
Gradeability (%): 21
Overall length (mm): 2025
Overall width (mm): 1120
Overall height (mm): TO TOP OF MAST LOWERED
2047
MAST EXTENDED 4030
TO TOP OF OVERHEAD GUARD 2080



Wheel base (mm): 1270
Under clearance (mm): 110
Service brake: HYDRAULIC
Parking brake: MECHANICAL/MANUAL
Service weight (Kg): 2960
Tyre: FRONT 21X8-9-14PR
REAR 5.00X8-10PR

Battery box dimension (L*H) (mm):
996X678X462
Voltage (v): 48

Military Construction Machinery

High Speed Multipurpose Engineering Vehicle

The vehicle is a high speed, all terrain, multi-function engineering vehicle. The high mobility on formed and unformed road is exceptional. The vehicle has a top speed of 100km/h, and can easily maintain an average speed of over 80 Km/h. The non independent air suspension system contributes to superior stability and comfort. Furthermore .the vehicle can tow an 8-ton trailer.

The advanced computer-aided electric-hydraulic system can easily control the accurate flow to carry out the smooth operation. Self-leveling, position returning and memory function makes the loading operation fast and simple.

The major optional accessories can be quick changed by Quick Hitch, which provides operation of digging, loading, drilling, forklifting, rock breaking, etc.



Main Specifications

Total weight	12t		Backhoe	
Diesel Engine	Type	Cummins 6BTA5.9-C	Bucket volume	0.18m ³
	Power	138KW@2500r/min	4 in 1 FEL bucket	
			Bucket volume	0.8m ³



Travel speed

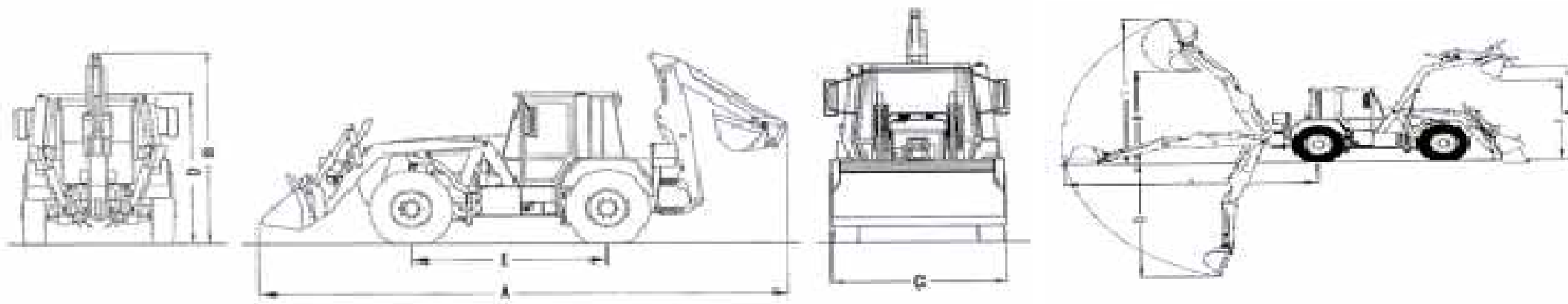
Low Range	I	7km/h	High Range	I	17km/h
	II	15km/h		II	37km/h
	III	26km/h		III	64km/h
	IV	42km/h		IV	100km/h
Wheelbase	3150mm		Road Range (highway)	512km per 200 litres fuel	
Tyres	14.00 R24 SR		Fording (no preparation)	760mm	
Configuration	4*4		Angle of Departure	29 ⁰	
Gradient	30 ⁰		Hyd.sys	Pressure	21 Mpa
Crew	1+1			Max. flow	100L/min
Turning cycle	15.6			Operating Valves	Electric-control hydraulic valves

Working Range

Max. reach	5440mm	E	Loadover height	3225mm
Max. dig depth	4360mm	F	Dump height	2724mm
Max. dig height	5850mm		Fork lift	
Max. loadover height	3070mm	G	Max. lifting height	2600
			Max. lifting weight	2t
Dipper tearout	43.2kN		Bucket tearout	35.3kN

Dimensions

A	Overall length	8541mm
B	Overall height	3847mm
C	Overall width(outer rear wheel)	2490mm
D	Overall height(to top of cab)	2677mm
E	Wheelbase	3150mm



Wheel Trencher

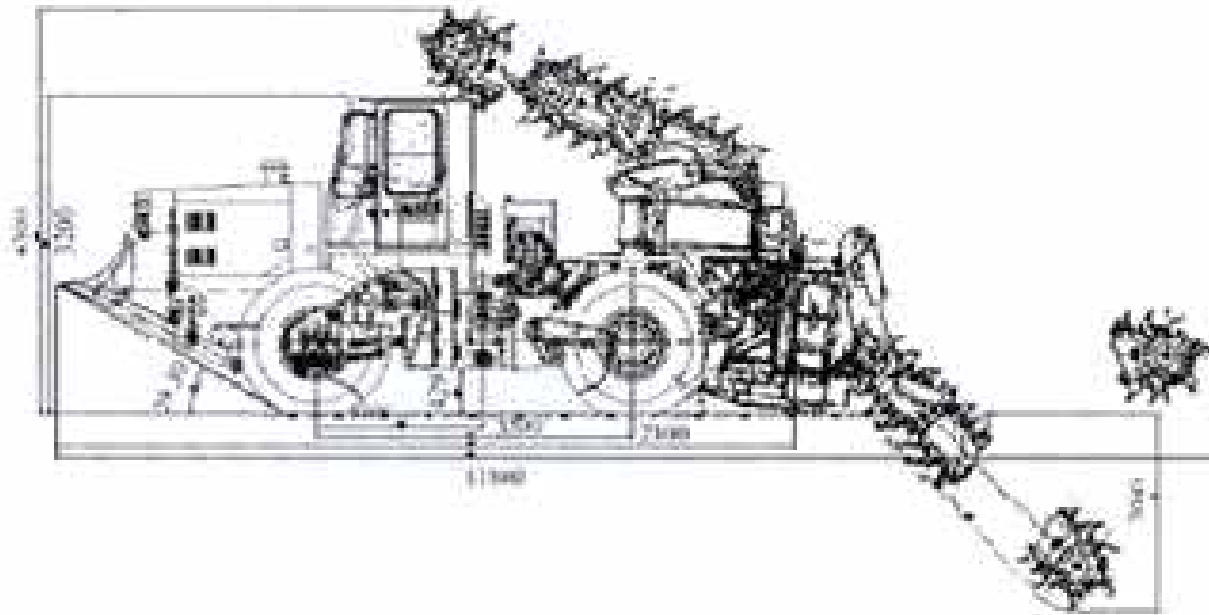
Designed for excavation and trenching on the coast, plain and hill, wheel trencher is applied to installation of municipal cable, water pipe, oil and gas pipeline, farmland and water conservancy construction, as well as digging trees hole. The trencher is also used in fieldwork of digging trench. According to the user's requirement, various tools are at option to adapt to different depth and width. The machine is characterized by strong mobile ability, excellent operation performance and broad scope of application.

Wheel trencher is made up of Chassis structure and operation device. The engine is designed with Steyr Engine. Hydraulic transmission and overload protection are used in operation device. It fitted with impeller type hurling device. The direction and distance can be adjusted. The machine has the ability to excavate frozen earth and weathered granite directly.

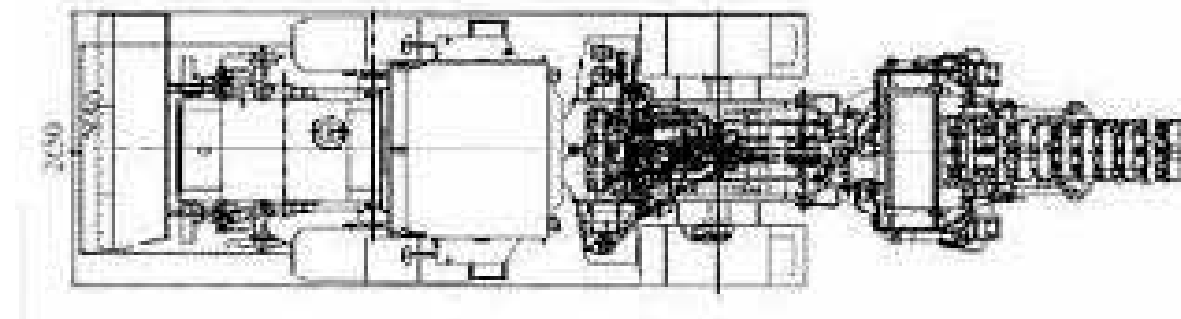


Total Operation Weight	16000kg
Gradeability	30°
Dimension (L x W x H) mm	Unfold 11800*2650*3200
	Fold 7800*2650*4300
Engine	Weifang Diesel Engine Factory
Type	WD61567G3-29C
Model	in-line, water cooling four-stroke, direct injection
Cylinders-Inside Diameter*Stroke	6-126*130
Max. Torque	779Nm
Rated Power	162kw
Min. Fuel Consumption Rate	≤214g/kw.h
Rated Rotated Speed	2200r/min
Transmission System	Torque and transmission box into an organic whole
Gear shift	Hangzhou Qianjin Gear Box Factory
Type	W180
Gear shift Model	Electrohydraulic control gear shift
Forward & reverse	six forward Three reverse
Reducer Box	Two Gear Pneumatic Gear Shift
Max. Travel Speed	50km/h
Main Drive Type	single stage, spur gear
Final reducer type	single stage planetary shift

Tire	
Specification	20.5-25
Front Tire Pressure	392 kpa
Back Tire Pressure	343 Kpa
Steering System	
Type	Full Hydraulic Articulated Steering
Turning Angle	$\pm 35^{\circ} \pm 1^{\circ}$
Min. Turning Radius	6222mm
Operation Hydraulic System	
Operation Distributing Valve	VDL15.3-QT.OW.QT-J
Three Gear Valves	CBZb1016.CBZb1025.CBZb1050
Hydraulic Pump	90R075
Motor	MRC1200
Fuel Volume	200L
Hydraulic System Pressure	160kgf/cm ²
Max. Digging Depth	2000mm
Max. Digging Width	650mm
Max. Digging Speed	100m/h



Unit: mm



CREATE THE FUTURE



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