

WJ-6 UNDERGROUND WHEEL LOADER



Main features:

➤ **Structure**

Quality structural steel;

Boom fast descend protection system;

Specially designed bucket blade with wear resistance material NM450;

Swinging locking device to assure transport safety;

➤ **Operation**

Central articulated frame

Side-view cab, to enlarge the view range of the operator;

Suspension seat with safety belt;

➤ **PowerTrain**

Engine: EU 3 emission standard water-cooled diesel engine with turbo charger;

DANA transmission, converter, drive axles;

➤ **Hydraulic system**

Electro-hydraulic proportional joystick, easy to operator;

Main hydraulic components from global famous brand;

Travelling brand+Parking brake: multiple wet discs brake, maintenance free;

Braking method: SAHR system; Spring brake, hydraulic release, with great mobility;

Main specifications

Size	
Length	10,750 mm±150mm
Width	2,800 mm±150mm
Height	2,600 mm±150mm

Weight	
Empty weight	34,450 kg
Complete weight	48,450 kg

Loading capacity	
Maximum loading capacity	14 Metric Ton
Standard bucket volume	6 m ³

Traveling speed (Full load, Forward Reverse, on plat road with no inclination)	
1 gear	5.3 km/h
2 gear	9.2 km/h
3 gear	15.6 km/h
4 gear	26.4 km/h

Mobility	
Grade ability at 4.0 km/h full load	25%
Maximum grade ability	15°
Maximum traction force	240 kN
Oscillate angle	±10°

PowerTrain	
Standard engine brand	SCANIA
Model	DC13 076A
Cooling method	Water-cooled

Control method	CAN BUS
Rated power	257 kW/2100 rpm
Maximum torque output	1671 Nm/1400 rpm
Emission standard	Euro III
Options: Volvo Penta, Cummins, MTU Benz, Weichai, etc.	

Torque converter	
Brand	DANA
Model	8000 series

Transmission	
Brand	DANA
Model	6000 series
Shifting method	Electric control

Drive method	
Rigid planetary drive axle with multi-discs wet brake, front axle with limited pin, rear axle with standard differential;	
Brand	DANA
Model	53R300 series
Rim size	22.00-25
Tire size	26.5-25
Inflation pressure	Front tires 7.0±0.1 bar Rear tires 3.5±0.1 bar

Control method	
Engine with CAN BUS controller, electric throttle pedal, status display and failure auto-detecting;	
Electro-hydraulic proportional joystick;	

Steering hydraulics	
Central articulation structure, power steering with 2 dual drive hydraulic cylinder and 1 joystick	
Steering angle	±42°
Turning radius (inner)	3,690±250 mm
Turning radius (outer)	7,220±250 mm
System hydraulic pressure	210 bar
Time	4.0 sec
Main steering hydraulic components	

Multiple directional valve	HAWE
Hydraulic pump	Parker
Control joystick	GESMANN

Working hydraulics	
Clockwise six-link structure with 2 lifting cylinder+1 tilting cylinder+1 electric joystick	
System pressure	230 bar
Time	
Boom lifting	7.3 sec
Boom descend	5.0 sec
Bucket tilting	8.2 sec
Bucket retreat	6.2 sec
Main boom hydraulic components	
Multiple directional valve	HAWE
Hydraulic pump	Parker
Control joystick	GESMANN

Braking system	
Spring brake, hydraulic depressurized, external forced-cooling, travelling & parking integrated multi-discs wet brakes on each wheels, with brake unlocking device.	
System pressure	158 bar
Main braking hydraulic components	
Hydraulic pump	Tianjin Permco
Charing valve	MICO
Footage brake valve	MICO

Electric system	
Generator	28 V,100 A
Battery	2x12 V, 195 Ah
Starter motor	6.0 kW, 24 V
Front Rear work light	6x40 W, LED

Liquid fill-in	
Diesel	300 L
Hydraulic oil	375 L
Tank volume may be adjusted to clients request	

Options
LoS remote control (Line of Sight)
Tele remote control
Automatic-weighing system
Auto-shift system
Automatic fire suppression system
Automatic central lubrication system
Travel aid system + reverse warning
Recording system with 64GB hard discs storage for the management to check the working status

Main components brands listing:



**VOLVO
PENTA**



KESSLER+CO





