



ESPECIFICACIÓN TÉCNICA

CARGADOR LHD PARA MINERÍA SUBTERRÁNEA Serie WJ-6

Volumen del cucharón de 6 metros cúbicos (7.8 yardas cúbicas)
con capacidad de transporte de 14 toneladas



Main Features

>> Structure

- ◆ The frames are articulated with 42° turning angle.
- ◆ Ergonomics Canopy with side seat to provide broad bi-direction operation vision.
- ◆ ROPS & FOPS certified cab.
- ◆ Strong boom with two lifting cylinder.

>> Operation Comfort & Safety

- ◆ Low vibration level in cab with suspension seat.
- ◆ Hydraulic pilot control (JOYSTICK) to reduce the labor intensity of the driver.
- ◆ Combination design of parking brake, working brake & emergency brake. Braking model is SAHR (spring applied, hydraulic release).
- ◆ Rear Camera to provide good view for operation.

>> Early Warning & Maintenance

- ◆ Automatic alarm system for oil temperature, oil pressure and electrical system.
- ◆ Auto lubrication system.

>> Energy-saving & Environment Friendly

- ◆ Catalytic purifier with silencer, which greatly reduces air and noise pollution in working tunnel.



Technical Specification

Dimension

Tramming.....	10644*2700*2505mm
Min Ground Clearance.....	424mm
Max Lift Height.....	5327mm
Max dumping Height.....	1809mm
Max Unloading angle.	40°

Capacity

Standard Bucket	6m ³
Payload.	14T
Max Breakout Force.	224KN
Max Traction.	287KN
Clime Ability (Laden).....	20°
Axle Oscillation Angle.	± 10°

Performance

1 st Gear Speed.....	0~5.2km/h
2 nd Gear Speed.....	0~11.3km/h
3 rd Gear Speed.....	0~19.4km/h
4 th Gear Speed.....	0~28.7km/h
Boom Raising Time.	≤7.9s
Dump Time.	≤5.6s
Boom Lowering Time.....	≤3.7s

Weight

Operation Weight.....	35000kg
Laden Weight.....	49000kg
Front Axle (Empty)	12980kg
Rear axle (Empty)	21020kg
Front Axle(laden).	27090kg
Rear Axle(laden).....	21910kg

Power Train

Engine

Diesel Engine.....	VOLVO TAD1350
Power.	256kW/1900rpm
Emission.	EURO III / Tier 3
Fuel Tank.....	450L
Purifier.....	Catalytic purifier with silencer

Torque Converter

Brand.....	DANA
Model	C8000

Transmission

Brand.....	DANA
Model	R6000

Axle

Brand.....	DANA
Model	53R



Type..... Rigid planetary axle

Differential (Front)..... NO-SPIN

Differential (Rear) Standard

Wheel & Tire

Wheel Rim 22.00-25

Tire 26.5-25 32 ply(L-5S)

Tire Brand MICHELIN

Operator's Compartment

Canopy

ROPS & FOPS closed cab with air-conditioning.

Oil free operator's compartment

Floor washable with water to reduce dust

Low frequency suspension seat

Dashboard & Displays

Critical warnings and alarms Displayed as warning lights

Instrument Panel Electric gauges

Instrument Panel Illuminated switches

Frame

Rear & Front Frame

High strength welded steel structure with optimized material thicknesses

Tanks Bolted & Welded

Bucket

Bias 450(anti-wear) Material

Type V shaped (reduce working resistance)

Hydraulics

Rexroth Filling pump for hydraulic oil

PARKER(USA) multi way valve

Rexroth hydraulic triplex pump (Gear Type) for working & steering (PARKER pump option)

Hydraulic Joystick (Pilot) control for working & steering with PARKER valve.

Oil cooler for hydraulic oil

550L Hydraulic oil tank capacity

Meter oil level

Hydraulically operated, center-point articulation, power steering with two double acting cylinders.

The oil flow from steering hydraulic pump is directed to bucket hydraulics when steering is not used. which can enlarge the working pressure.

Strong boom with two lift cylinders.

Two dump cylinder.

8µm LEEMIN Filter.

Brake

SAHR multi-disc wet brake at each wheel. Combination design of parking, working & emergency brake.

Electric

Alternator 100A / 28V

Batteries 2 x 12V

Starter 7.5kW / 24 V

Driving lights 4 in front 42W, LED lights, 4 in rear 24W, LED lights, 1 pc in the cable 24w, LED light

Others safety system

- Engine Fire Suppression
- Flashing beacon

Dimension Drawing

