HMK 640 WL WHEEL LOADER

HIDROMEK®

ENGINE

Make	: Mercedes-Benz 6R1100
Type	: High power and torque output, water cooled, turbocharged diesel engine.
Number of Cylinders	: 6 in line
Bore & Stroke	: 125 x 145 mm
Displacement	: 10.700 cc
Maximum Power	: 321 HP (240 kW) @1600 rpm
Maximum Torque	: 1700 Nm @1300 rpm
Emission Class	: EU: Stage V

TRANSMISSION

- Autoshift transmission for heavy duty service
- 5 forward, 3 reverse gears
- Torque converter with 2.194:1 stall ratio
- 4 Wheel Drive
- Transmission oil cooler
- Engine start only at the gear lever on neutral position for safety.
- Electronic parking brake

HYDRAULIC SYSTEM

Closed center type hydraulic system with LS type variable displacement piston type pumps.

Flow (Main System Pump)	: 203 L/min @1930 rpm
Pressure (Main System Pump)	: 250 bar
Flow (Steering Main System Pump)	: 203 L/min @1930 rpm
Pressure (Steering Main System Pump)	: 210 bar
Flow (Fan and Brake System Pump)	: 96 L/min @1930 rpm
Pressure (Fan and Brake System Pump)	: 250 bar

DRIVING SPEED

@1900 rpm engine speed

1st gear	: 6	km/h
2nd gear	: 11	km/h
3rd gear	: 18	km/h
4th gear	: 25	km/h
5th gear	: 37	km/h

AXLES

- Heavy duty type ZF axles
- Planetary type reduction gears
- Total 26 degrees oscillation on the rear axle
- Equipped with differential lock on the front axle

CAB & HOOD

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- 8" LCD coloured touchpad display
- Improved Opera Control System
- Externally servicable Air Conditioner system
- Cool-box
- Electro hydraulic control levers
- ROPS and FOPS certificated cab
- 35° tilting cab for maintenence
- Air suspension seat with heating
- TIPSHIFT control on operator console
- Pool type floor mats
- Tablet PC and phone holder
- SmartLink (Optional)
- Storage boxes for operator
- Sun-wisors
- LED headlamps
- LED working ligths
- Electrically controlled side mirrors with heating
- Rear view camera
- One-piece opening hood, electrically controlled.
- Independently adjustable joystick console and armed

TIRES

Front / Rear : 26,5R25-L3

OPERATING WEIGHT

Operating weight (with standard equipment) : 26.300 kg

Operational weight, complying with the ISO 6016 standards, includes full fuel tank, hydraulic system and other liquids, 75 kg operator weight and standard equipped machine weight. Optional equipments are not included.

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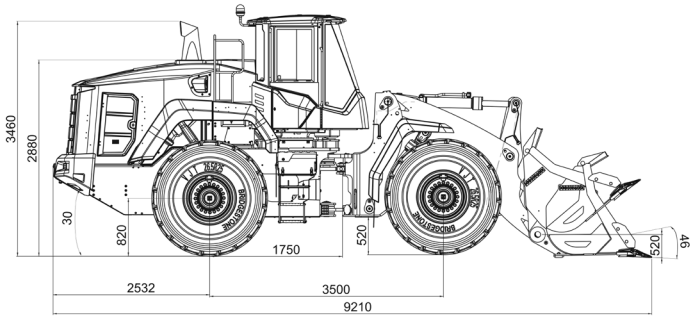

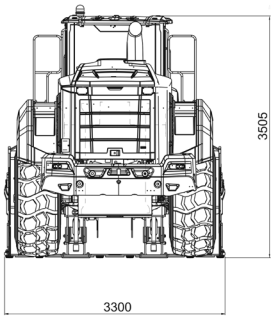

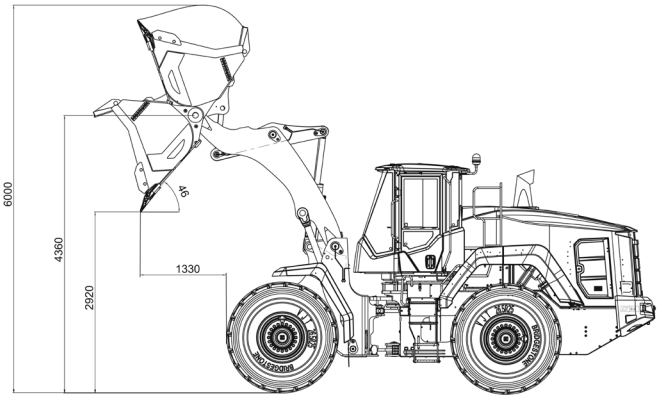

PERFORMANCE

Bucket capacity	4,2 m^3
Max. breakout force	19.975 kgf
Static tipping load (no tire deflection)	19.930 kg
Static tipping load- articulated (no tire deflection)	17.600 kg

EQUIPMENTS

FILLING CAPACITIES

Cooling system	: 50 L
Fuel tank	: 420 L
Total engine oil	: 35 L
Transmission oil (replacement)	: 32 L
Total transmission oil required (system)	: 50 L
Rear axle	: 42 L
Front axle	: 61 L
Hydraulic oil (replacement)	: 152 L
Total hydraulic oil required (system)	: 200 L
Diesel Engine Fluid (Adblue®)	: 40 L

LINKAGE

- Double Z-bar
- Auto-lift
- Return to Dig (RTD)
- Auto bucket Kick-out

HYDRAULICS

- Load sensing steering and hydraulics
- Ride Control System (MSS) (Optional)
- Proportional and bi-directional hydrostatic fan
- Emergency steering system
- Easy acces to pressure measure mant points

ELECTRICAL AND LIGHTING

- 24 V
- Batteries 2 x 12 V, 1200 CCA
- Alternator, 100 A
- LED headlamps
- LED working lamps (4 front, 4 rear, 2 hood)
- LED stopligths
- Ignition key, start stop switch
- 12 V outlet
- Reverse Alarm
- Main disconnect switch

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Notice:
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