



ENGINE

Make	: Mercedes-Benz OM470LA
Type	: D470907 EU Stage IV Diesel Engine
Number of Cylinders	: 6 in line
Bore & Stroke	: 125 x 145 mm
Displacement	: 10,700 cc
Maximum Power	: 242 kW, 324 HP (1800 rpm)
Maximum Torque	: 1600 Nm (1300 rpm)

High power and torque output, water cooled turbocharged diesel engine.
Compatible with European EC Stage IV exhaust gas emission regulations

TRANSMISSION

- Autoshift transmission for heavy duty service
- 5 forward, 3 reverse gears
- Torque converter with 2,194:1 stall ratio
- Electrically controlled 4 Wheel Drive
- Transmission oil cooler
- A neutral circuit allows starting only when the control lever is in neutral position for safety.
- Electronic parking break

AXLES

- Heavy duty service type ZF axles
- Planetary outboard 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
- 5" LCD Display and 8" LCD multimedia touchpad coloured display
- Opera-2 Control System
- High capacity A/C system
- Cool-box
- Finger type electro hydraulic control levers
- ROPS and FOPS certificated cab
- 35° tilting cab for maintenance
- Air suspension seat with heating and cooling
- TIPSHIFT control on operator console
- Pool type soor mats
- Tablet PC and phone holder
- Removable lids
- Smart-Link
- Storage boxes for operator
- Sun-wisors
- LED headlamps
- LED working ligths (10)
- Electrically controlled side mirrors with heating
- Rear view camera
- One-piece opening hood, electrically controlled.

HYDRAULIC SYSTEM

Closed type hydraulic system with variable displacement piston type pumps.

Pump Flow (Pump 1)	: 190 lt/min (1 900 rpm)
Pressure (Pump 1)	: 250 bar
Pump Flow (Pump 2)	: 190 lt/min (1 900 rpm)
Pressure (Pump 2)	: 250 bar
Pump Flow (Pump 3)	: 85 lt/min (1 900 rpm)
Pressure (Pump 3)	: 250 bar

DRIVING SPEED

At 1900 rpm engine speed

1 st gear	: 6.9	km/h
2 nd gear	: 12.1	km/h
3 rd gear	: 19.2	km/h
4 th gear	: 27.6	km/h
5 th gear	: 40	km/h



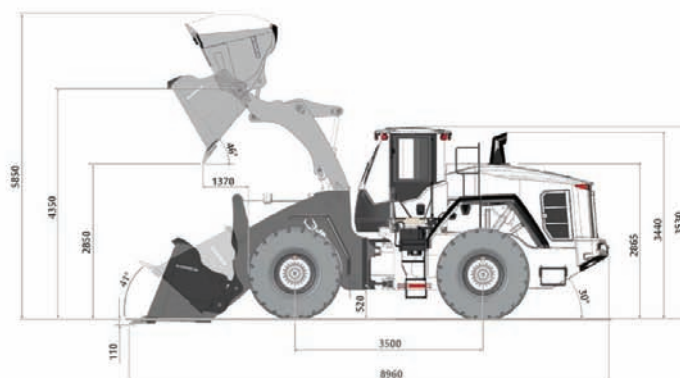
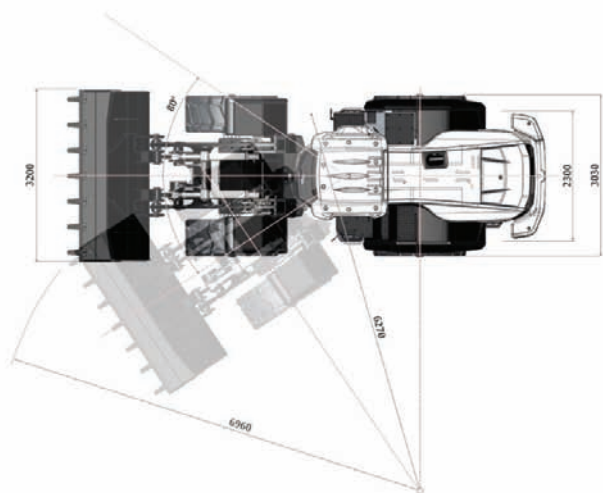
TIRES

Front / Rear : 26.5R25-L3

OPERATING WEIGHT

Operating weight (with standard equipment) : 25,500 kg

HMK WL640



PERFORMANCE

Bucket capacity (m³)	4
Max. breakout force (kgf)	19975
Lifting capacity to maximum height (kgf)	17207
Static tipping load (no tire deflection) (kg)	18500
Static tipping load- articulated (no tire deflection) (kg)	16082

Operator cab

- ROPS/FOPS
- Smartlink
- Automatic air conditioner
- Sliding side window
- Coat hook
- Single key (door/start)
- Viscouse mounts
- Front and rear windshield wipers
- Dome light

Linkage

- Double Z-bar
- Auto-lift
- Return to Dig (RTD)
- Auto bucket curl (ABC)

Power Train

- Selective Catalytic Reduction (SCR)
- Exhaust heat insulation
- Fuel/water seperator
- Integrated precleaner
- 4 forward 3 reverse gear
- Torque convertor
- Axles, manually actuated differantial lock
- SAHR type parking brake on transmission

Hydraulics

- Load sensing steering and hydraulics
- MSS
- Proportional and reversable hydraulic fan, temperture sensing
- Emergency steering
- O-ring face seal connections
- Remote diagnostic pressure taps

Electrical and Lighting

- 24 V
- Batteries (2) maintenance free, 1200 CCA
- Alternator, 100 Amp
- LED headlamps (2)
- LED working lapms (4 front, 4 rear, 2 hood)
- LED stopligths
- Ignition key, start stop switch
- 12V outlet
- Rerverse alarm
- Main disconnect switch

Others

- Air (engine/cab) transmission oil, hydraulic oil, engine oil filters
- Tool-box, lockable
- Engine and transmission oil remote fill
- Lubrication manifolds
- Radio with USB/AUX

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FACTORY - HEAD OFFICE

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Notice:
HIDROMEK has the right to modify the specifications and design of the model indicated on this brochure without prior notice.