

**NEW!**

## ENGINE

Make	: Mercedes-Benz MTU6R1000
Type	: High power and torque output, water cooled, turbocharged diesel engine.
	: High efficiency heavy duty engine / generator (PMS)
	: Series hybrid topology, high efficiency and performance

Number of Cylinders	: 6 in line
Bore & Stroke	: 110 x 135 mm
Displacement	: 7.700 cc
Maximum Power	: 282 HP (210 kW) @ 1800 rpm
Maximum Torque	: 1200 Nm @ (1200 - 1600 rpm)
Emission Class	: EU: Stage V

## POWERTRAIN

- Heavy-duty gearbox with parking brake system
- Dual electric motor (PMS)
- Total power 200 kW (Total e-motor power)
- High operating efficiency
- Brake energy recovery
- 4-wheel drive, central transmission structure
- Safety device that prevents the starter from being pressed for operational safety
- Gear sets with low noise level
- Central transmission structure
- Engine start only at the gear lever on neutral position for safety

## HYDRAULIC SYSTEM

Closed center type hydraulic system with variable displacement piston type pumps.	
High efficiency electric motor (PMS) and inverter.	
Pump Flow	: 283 L/min @2100 rpm
Pressure	: 300 bar

## ENERGY STORAGE

High efficiency super capacitor package	
Long lifetime and long number of cycles	

## WALKING SPEEDS

Forward	: 34 km/h
Back	: 26 km/h

## AXLES

- Heavy duty type 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 maintenance
- 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 working lights
- Electrically controlled side mirrors with heating
- Rear view camera
- One-piece opening hood, electrically controlled.
- Independently adjustable joystick console and armed

## TIRES

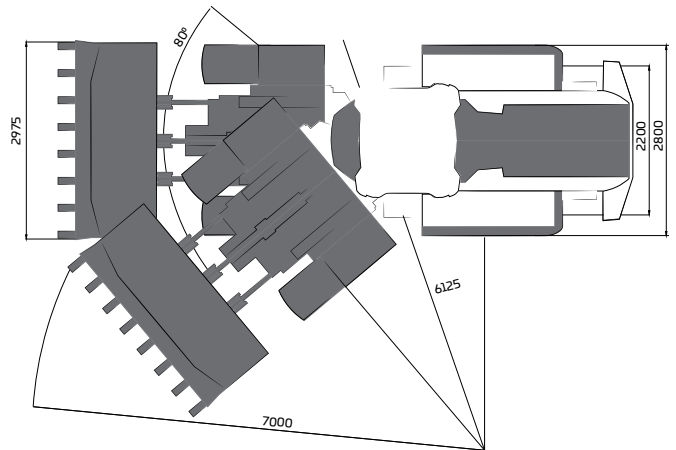
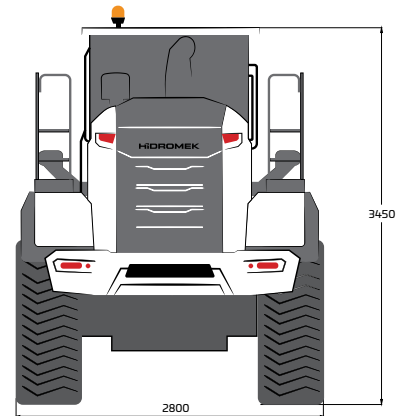
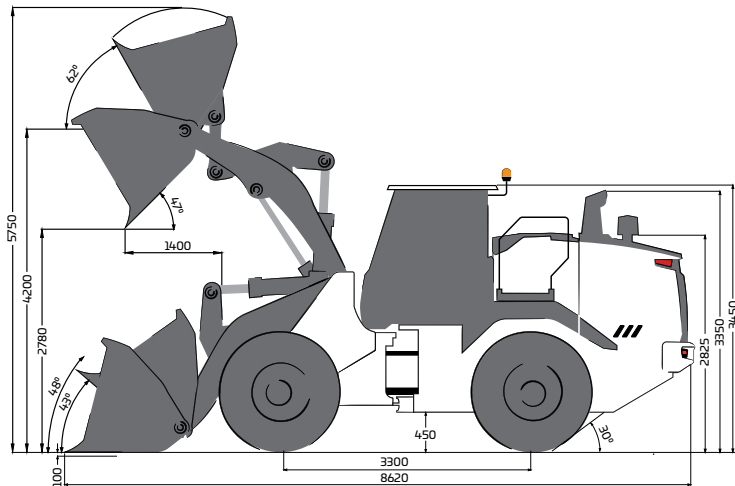
Front / Rear	: 23,5 - R25
--------------	--------------

## OPERATING WEIGHT

Standard machine operating weight	: 21.600 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.

# HMK 635WL HYBRID



## PERFORMANCE

Bucket capacity	3,6 m <sup>3</sup>
Max. breakout force	17.650 kgf
Static tipping load (no tire deflection)	15.900 kgf
Static tipping load- articulated (no tire deflection)	14.000 kgf

## FILLING CAPACITIES

Fuel tank	: 275 L
Hydraulic Tank	: 115 L
Hydraulic System	: 200 L
Engine Cooling System	: 40 L
Engine oil	: 28,5 L
Diesel Engine Fluid (Adblue®)	: 40 L
Transmission	: 22 L

## LINKAGE

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

## HYDRAULICS

- Load sensing steering and hydraulics
- Proportional and bi-directional hydrostatic fan
- Emergency steering system
- Easy acces to pressure measure mant points
- High-efficiency electro-hydraulic brake system

## ELECTRICAL AND LIGHTING

- 24 V
- Batteries 2 x 12 V, 180 Ah
- Alternator, 100 A
- LED stopligths
- Ignition key, start stop switch
- 12 V outlet
- Reverse Alarm
- Main disconnect switch

**HIDROMEK®**

### FACTORY - HEAD OFFICE

Ahi Evran OSB Mahallesi Osmanlı Caddesi No:1 06935 Sincan / ANKARA / TÜRKİYE  
Tel: (+90) 312 267 12 60 Fax: (+90) 312 267 12 39  
www.hidromek.com

### Notice:

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