



ALPHA

ENGINE

Brand & Model	: PERKINS
Type	: 904J-E36TA Diesel Engine
Number of Cylinders	: 4 in line
Bore & Stroke	: ø 98 x 120 mm
Displacement	: 3621 cc
Maximum Power	: 99,8 HP (74,4 kW) @2200 rpm
Maximum Torque	: 430 Nm @1500 rpm
Emission Class	: EU: Stage V US: Tier 4 final

High power and torque output, water cooled turbocharged diesel engine.

TRANSMISSION

- Autoshift transmission for heavy duty service
- Torque converter with 2,38:1 stall ratio
- Torque convertor lock (optional)
- Electrically controlled 2 Wheel drive or 4 Wheel Drive selection
- 6 forward, 3 reverse gears
- Transmission oil cooler
- A neutral circuit allows starting only when the control lever is in neutral position for safety

AXLES

- Heavy duty service type CARRARO axles
- Planetary outboard type reduction gears
- Total 16 degrees oscillation on the front axle
- Limited slip (LSD) type front axle
- Equipped with differential lock.

TIRES

Front / Rear	: 16,9-28 radyal (optional)
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CAB & HOOD

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- 3" LCD displays on both front and side panels
- High capacity A/C system
- Improved ventilating with 15 air nozzles
- ROPS and FOPS certificated cab
- Multi-functional seat
- TIPSHIFT front loader joystick
- Pool type floor mats
- Removable lids
- Cooling-box
- Storage boxes for operator
- Foldable side steps

HYDRAULIC SYSTEM

Simple, reliable and high-efficient tandem gear pump

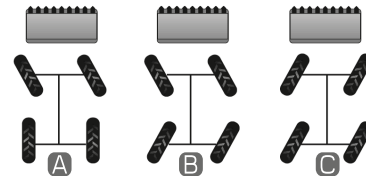
Main Pump Flow	: 91,5 L/min @2200 rpm
Pressure	: 255 bar
Auxiliary Pump Flow	: 58,7 L/min @2200 rpm
Pressure	: 170 bar

DRIVING SPEED

@ 2200 rpm engine speed	
1 st gear	: 5 km/h
2 nd gear	: 9 km/h
3 rd gear	: 11 km/h
4 th gear	: 18 km/h
5 th gear	: 23 km/h
6 th gear	: 40 km/h

STEERING

- Electrical controlled 3 different steering modes
- | | |
|---|---|
| A | 2 - wheel front steering for road drive |
| B | 4 - wheel steering for tight turns |
| C | 4 - wheel "crab" steering for close - to wall digging and ditch closing |



FILLING CAPACITIES

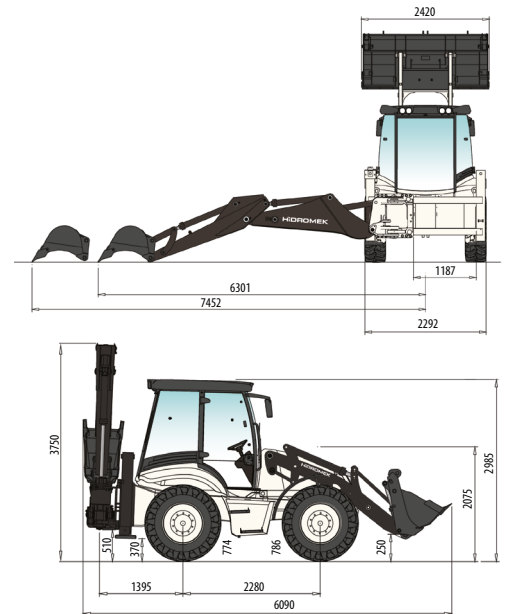
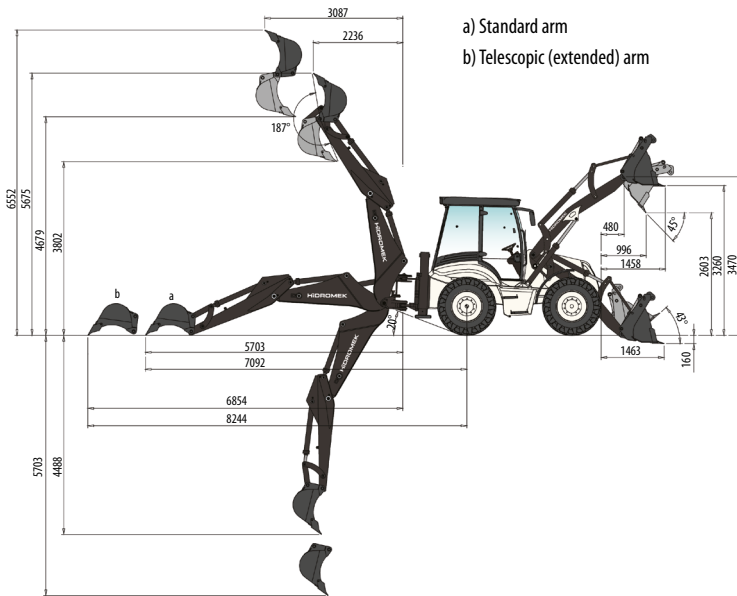
Engine Oil Pump	: 10 L
Engine Cooling System	: 16 L
Fuel Tank	: 140 L
Hydraulic Oil Tank	: 70 L
Transmission Oil	: 16 L
Ad Blue	: 15 L

OPERATING WEIGHT

Operating weight (with standard equipment)	: 9.580 kg
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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 102s ALPHA




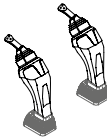
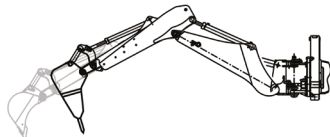
LOADER PERFORMANCE

6 in 1 bucket capacity	1,1 m ³
Max. bucket breakout force	8270 kgf
Max. loading arm breakout force	7427 kgf
Lifting capacity to maximum height	3687 kg

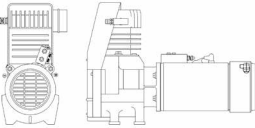
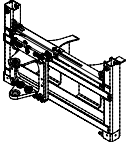

BACKHOE PERFORMANCE

	Telescopic Arm (extended)	Telescopic Arm (retracted)
Bucket capacity	0,18 m ³	0,18 m ³
Max. bucket breakout force	7021 kgf	7021 kgf
Max. dipper breakout force	2231 kgf	3161 kgf

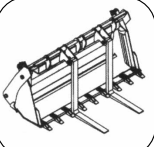
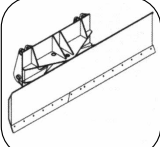

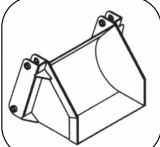
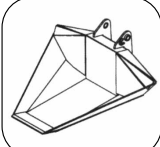

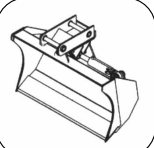

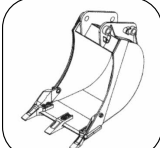

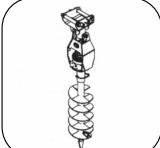
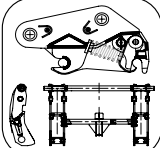
Standart Accessories

		
MSS (Motion Stabilizer System)	Joystick	Hydraulic breaker inst. + Telescopic arm

Optional Accessories

		
Air Compressor	Powerslide	Air conditioner

Optional Attachments

					
6-in-1 Bucket with forks	Grading blade	Timber grab	Special buckets	Trapezoidal ditch bucket	Ripper
					
Offset bucket	Clamshell grab	Backhoe bucket of different sizes	Hydraulic breaker	Auger	Quick coupler

HIDROMEK

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Notice:
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