HMK 102B ALPHA BACKHOE LOADER

HIDROMEK®

K4 SERIES

NEW!

ENGINE

Brand, Model	Perkins, 904J-E36TA
Number of cylinders	4
Max. Power	100 HP (74,4 Kw) @2200 rpm
Max. Torque	430 Nm @1500 rpm
Displacement	3,621 cc
Bore & Stroke	ø 98 x 120 mm
Emission Class	EU:Stage 5, US: Tier 4 final

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

AXLES

- Heavy duty service type axles
- Planetary outboard type reduction
- Total 16 degrees oscillation on the front axle
- Torque proportional type front axle differantial
- LSD (Limited Slip Differantial) type rear axle differantial
- Locking type rear axle differantial (optional)

CAB&HOOD

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- High capacity A/C system (option)
- Improved ventilating with 17 air nozzles
- Cool-box (with A/C system)
- ROPS and FOPS certificated cab
- 4.3" TFT display on front and on rear side panel
- Pool type floor mats
- Mechanical lever control
- Seat Mounted Controls improve Operator Comfort & Ergonomics (with joysticks model)
- Seat entegreted radio control button (with joysticks model)
- TIPSHIFT (FNR) function
- RTD (Return to dig)
- Multi purpose bucket with proposal control
- Autotilt steering wheel
- Loader boom lock
- Double brake sytstem
- Storage boxes
- Foldable side steps
- Phone and cup holder
- Interior led lights
- MP3 radio
- Bluetooth
- USB charging ports
- Openable cooling package
- Smartlink (option)

HYDRAULIC SYSTEM

Simple, reliable and high efficien tandem gear pump

Main pump flow	90 L/min @2200 rpm
Pressure	255 bar
Auxilary pump flow	57,2 L/min @2200 rpm
Pressure	170 bar

Closed type hydraulic system with variable displacement piston type pump, renewable flowsharing and valves with regeneration (Optional)

Main pump flow	163 L/min
Pressure	255 bar

DRIVING SPEED

1st gear	4	km/h
2nd gear	7	km/h
3rd gear	9	km/h
4th gear	15	km/h
5th gear	22	km/h
6th gear	40	km/h

TRANSMISSION

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

TIRES

Front	16/70 - 20 12 Ply Rating
Rear	16,9 - 28 14 Ply Rating (Optional : 18,4- 26 12 Ply Rating)

FILLING CAPACITIES

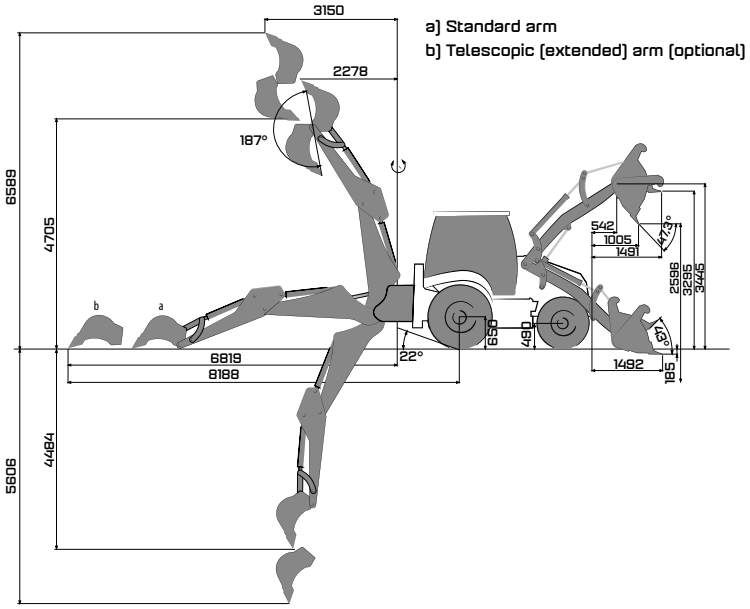
Engine oil pump	10	L
Engine cooling system	16	L
Fuel Tank	140	L
Hydarulic oil tank	70	L
Transmission oil	16	L
Ad Blue	19	L

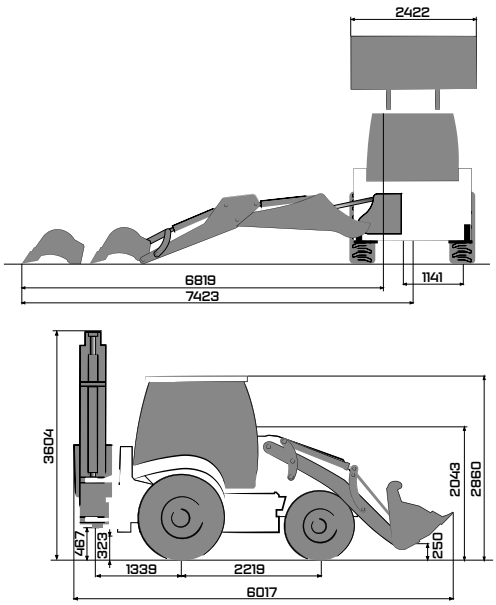
OPERATING WEIGHT

Operating weight with standard equipment : 9.300 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.

HMK 102B K4





LOADER PERFORMANCE

6 in 1 bucket capacity	1.1 m³
Max. bucket breakout force	7380 kgf
Max. loading arm breakout force	7380 kgf
Lifting capacity to max. height	3660 kg

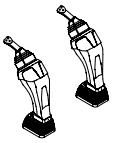
BACKHOE PERFORMANCE

	Standard arm	Telescopic arm extended	Telescopic arm retracted
Bucket capacity		0.18 m³	
Max. bucket breakout force	6865 kgf	7020 kgf	7020 kgf
Max. arm breakout force	3290 kgf	2230 kgf	3160 kgf

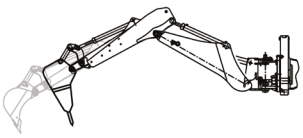
OPTIONAL ACCESSORIES

Air conditioner

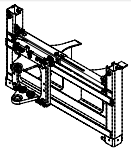
MSS (Motion Stabilizer System)



Seat mounted joystick



Hydraulic breaker inst. + Telescopic arm



Powerslide

OPTIONAL ATTACHMENTS

Snow blade

Timber grab

General purpose bucket

Trapezoidal ditch bucket

Ripper

Tilting bucket

Clamshell grab

Backhoe bucket of different sizes

Hydraulic breaker

Fork arms with quick coupler

Fork arms, for quick couple mechanism

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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:
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