



ALPHA

ENGINE

Make	: PERKINS
Type	: 1204E-E44TA Diesel Engine
Number of Cylinders	: 4 in line
Bore & Stroke	: 105 x 127 mm
Displacement	: 4400 cc
Maximum Power	: 74,5 kW, 100 HP (2200 rpm)
Maximum Torque	: 450 Nm (1 400 rpm)

High power and torque output, water cooled turbocharged diesel engine.
Compatible with U.S EPA Interim4 and EU Stage III-B exhaust gas emission regulations

HYDRAULIC SYSTEM

Simple, reliable and high-efficient tandem gear pump	
Main Pump Flow	: 90 lt/min (2200 rpm)
Pressure	: 227 bar
Auxiliary Pump Flow	: 57 lt/min (2200 rpm)
Pressure	: 190 bar

DRIVING SPEED

At 2200 rpm engine speed		
1 st gear	: 5.6	km/h
2 nd gear	: 8.9	km/h
3 rd gear	: 11.4	km/h
4 th gear	: 18.1	km/h
5 th gear	: 24.1	km/h
6 th 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
- Transmission oil cooler
- A neutral circuit allows starting only when the control lever is in neutral position for safety.
- Lock-Up option available

AXLES

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

CAB & HOOD

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- 3" LCD displays on both front side panels
- High capacity A/C system (optional)
- 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 (optional)
- Storage boxes for operator
- Foldable side steps
- Backhoe joysticks (optional)



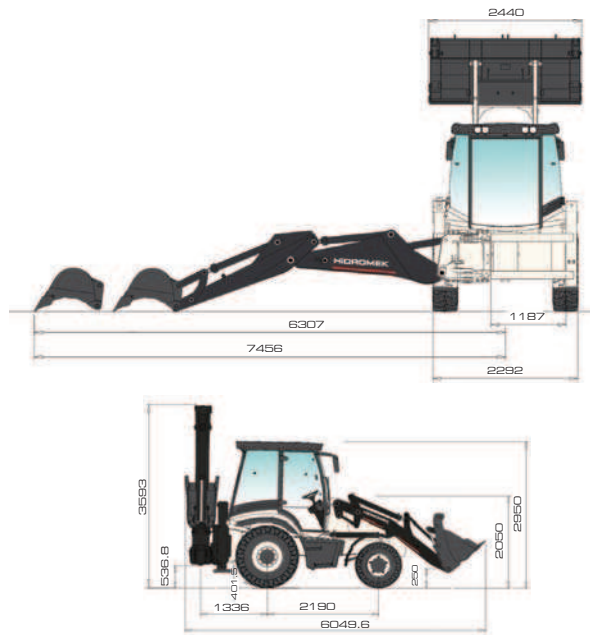
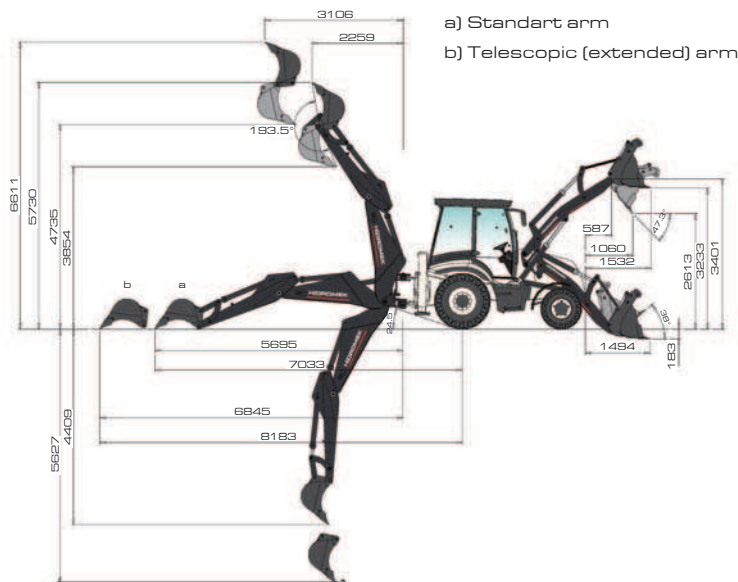
TIRES

Front	: 16/70 - 20 12 Ply Rating
Rear	: 16.9 - 28 12 Ply Rating (Optional : 18.4- 26 12 Ply Rating)

OPERATING WEIGHT

Operating weight (with standard equipment)	: 9.140 kg (± 50kg)
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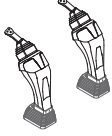
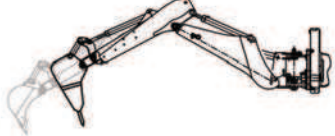
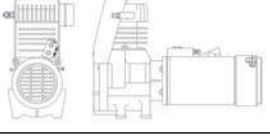
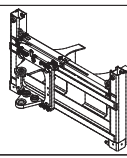
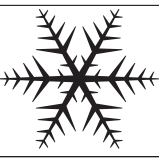
HMK102B ALPHA



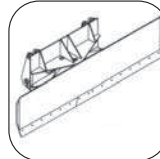
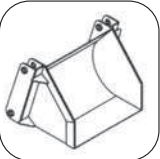
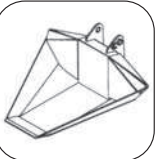
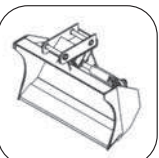
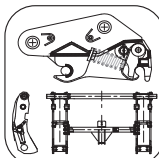
LOADER PERFORMANCE	
4 in 1 bucket capacity (m ³)	1.1
Max. bucket breakout force (kgf)	7209
Max. loading arm breakout force (kgf)	6515
Lifting capacity to maximum height (kg)	3016

BACKHOE PERFORMANCE	Standard Arm	Telescopic Arm (extended)	Telescopic Arm (retracted)
Bucket capacity (m ³)	0.17	0.17	0.17
Max. bucket breakout force (kgf)	6209	6364	6364
Max. dipper breakout force (kgf)	2983	2026	2867

Optional Accessories

		
MSS (Motion Stabilizer System)	Joystick	Hydraulic breaker inst. + Telescopic arm
		
Air Compressor	Powerslide	Air conditioner

Optional Attachments

					
4-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	Hydraulic breaker	Hydraulic breaker

HIDROMEK®

FACTORY - HEAD OFFICE

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Notice:
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