



**SUPRA**

**ENGINE**

Make	: PERKINS
Type	: 1104D-44TA 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	: 410 Nm (1400 rpm)

High power and torque output, water cooled turbocharged diesel engine.  
Compatible with USA EPA Tier 3 and European EU Stage III-A exhaust gas emission regulations

**TRANSMISSION**

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

**DRIVING SPEED**

At 2200 rpm engine speed		
1 <sup>st</sup> gear	: 6.1	km/h
2 <sup>nd</sup> gear	: 9.8	km/h
3 <sup>rd</sup> gear	: 13	km/h
4 <sup>th</sup> gear	: 20.8	km/h
5 <sup>th</sup> gear	: 26.3	km/h
6 <sup>th</sup> gear	: 40	km/h

**CAB & HOOD**

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- 3" LCD display on front panel and 5.5" coloured TFT display on side panel
- Opera Control System
- High capacity A/C system
- Cool-box
- Improved ventilating with 15 air nozzles
- ISO Patternshifter
- ROPS and FOPS certificated cab
- Air suspension seat
- TIPSHIFT front loader joystick
- Pool type floor mats
- Removable lids
- Smart-Link
- Storage boxes for operator
- Foldable side steps
- Plastic fuel tank
- LED working lights
- LED step lights

**HYDRAULIC SYSTEM**

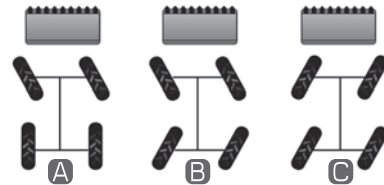
Closed type hydraulic system with variable displacement piston type pump, renewable flowsharing and valves with regeneration (Flowcharging)

Main Pump Flow	: 163 lt/min (2200 rpm)
Pressure	: 227 bar

**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



**AXLES**

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

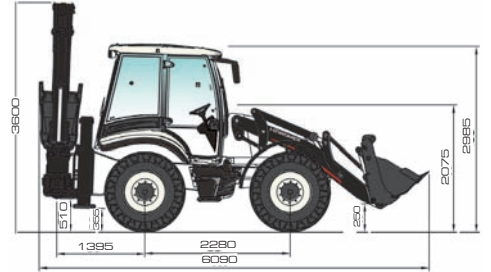
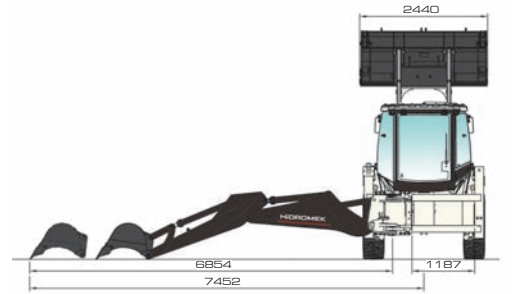
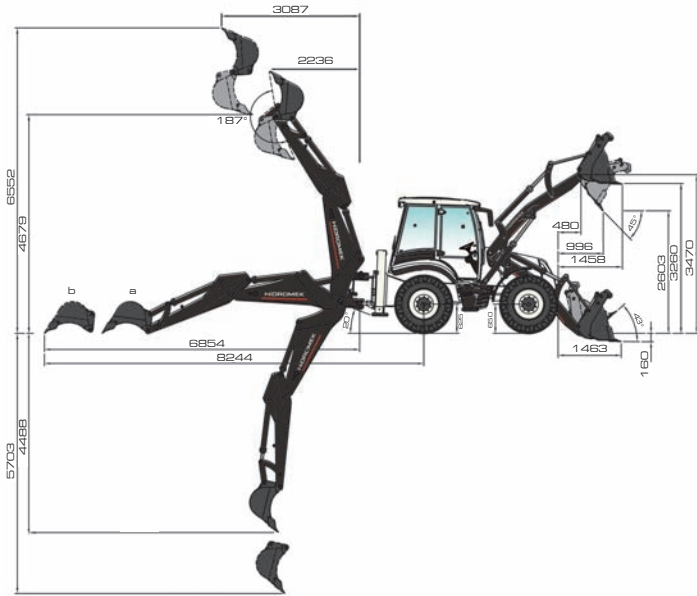
**TIRES**

Front / Rear	: 16.9 - 28 (12 ply rating)
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**OPERATING WEIGHT**

Operating weight (with standard equipment)	: 9.800 kg
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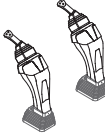

# HMK 102S SUPRA



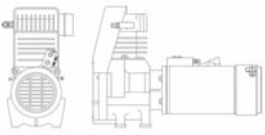
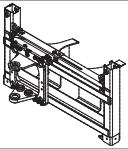
LOADER PERFORMANCE	
6 in 1 bucket capacity (m <sup>3</sup> )	1.2
Max. bucket breakout force (kgf)	6642
Max. loading arm breakout force (kgf)	5993
Lifting capacity to maximum height (kg)	3170

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

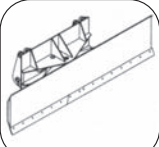

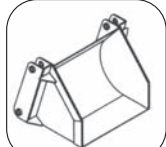
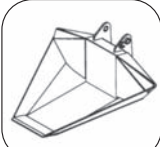

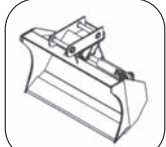



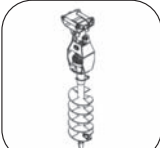
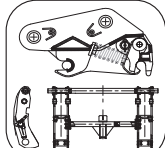
## Standart Accessories

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

## Optional Accessories

	
Air Compressor	Powerslide

## Optional Attachments

					
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®

**FACTORY - HEAD OFFICE**  
 Ayas yolu 25. km 1. Organize Sanayi Bölgesi Osmanlı Caddesi No: 1  
 06935 Sincan / ANKARA / TURKEY  
 Phone: (+90) 312 267 12 60 Fax: (+90) 312 267 21 12  
 www.hidromek.com

Notice:  
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