



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 (1 400 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 converter 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 st gear	: 6.1	km/h
2 nd gear	: 9.8	km/h
3 rd gear	: 13	km/h
4 th gear	: 20.8	km/h
5 th gear	: 26.3	km/h
6 th gear	: 40	km/h

AXLES

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

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

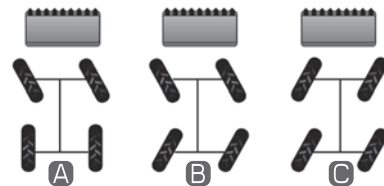
HYDRAULIC SYSTEM

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 |



FILLING CAPACITIES

Engine Oil Pump	: 8	lt
Engine Cooling System	: 18.5	lt
Fuel Tank	: 140	lt
Hydraulic Oil Tank	: 70	lt
Transmission Oil	: 16	lt
Front Axle Differential	: 9	lt
Front Axle Hub Reducers	: 1,7 x 2	lt
Rear Axle Differential	: 16	lt

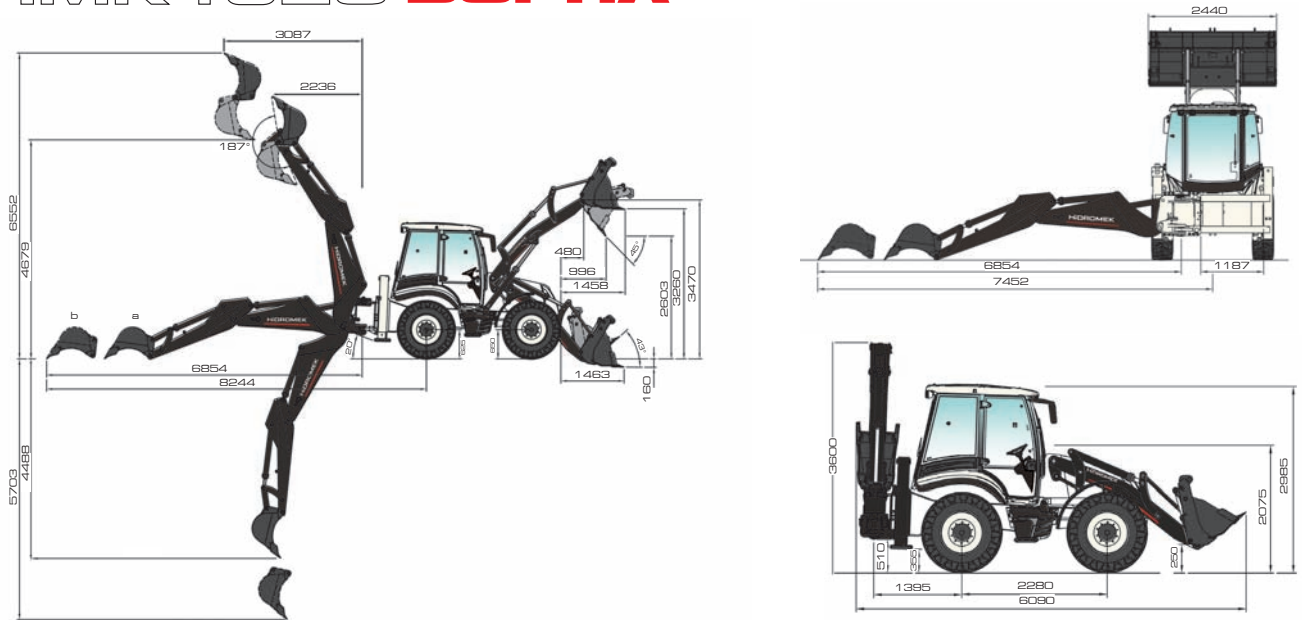
TIRES

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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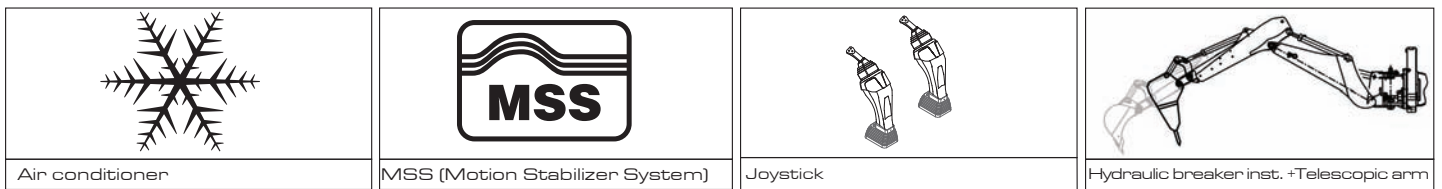
HMK 102S SUPRA



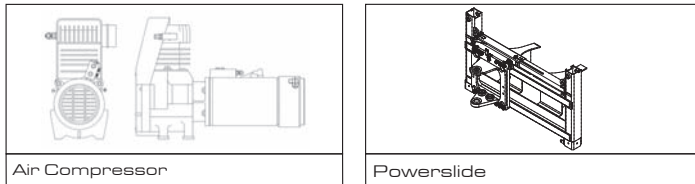
LOADER PERFORMANCE	
6 in 1 bucket capacity (m ³)	1.2
Max. bucket breakout force (kgf)	6642
Max. loading arm breakout force (kgf)	5993
Lifting capacity to maximum height (kg)	3170

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

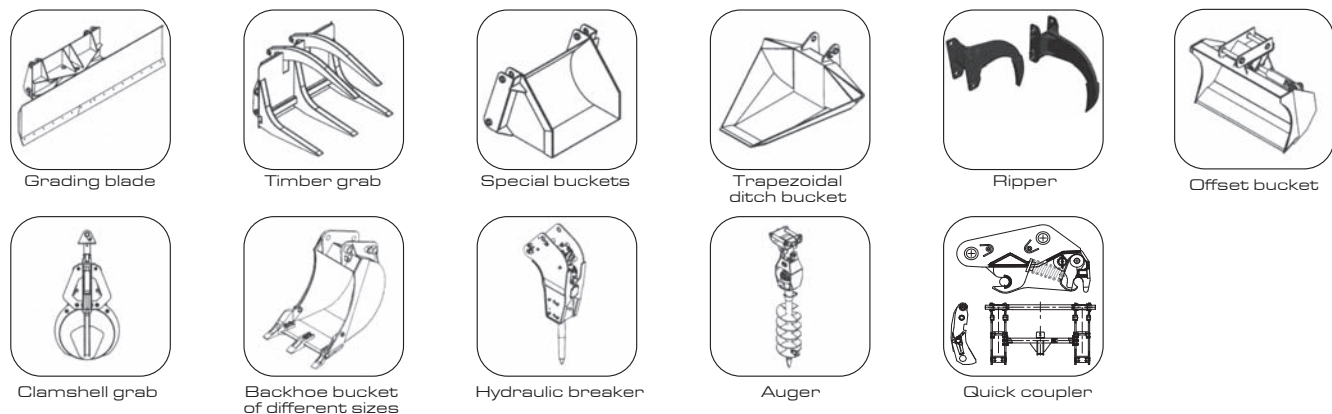
Standart Accessories



Optional Accessories



Optional Attachments



ACCESSORIES

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HIDROMEK®

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