

energyseries



ENGINE

Make	: Perkins
Type	: 1104C - 44T
Number of cylinders	: 4 in line
Bore & Stroke	: 105 x 127 mm
Displacement	: 4400 cm ³
Maximum power	: 74.5 kw, 100 hp (2200 rpm)
Maximum torque	: 415 Nm (1350 rpm)
High power and torque output water cooled turbocharged diesel engine.	

TRANSMISSION

- Full Powershift transmission for heavy duty service
- Torque converter 2.52:1 stall ratio
- 4 forward 4 reverse gears

AXLES

- Heavy duty service type
- "Max-trac" automatically actuating, torque proportioning differentials for maximum traction
- Planetary outboard type reduction gears
- Total 16 degrees oscillation on the front axle

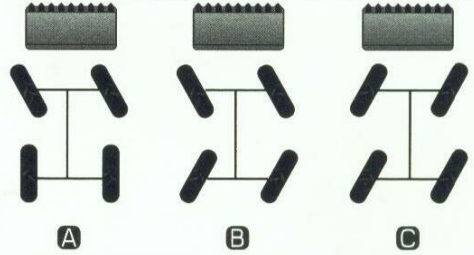
HYDRAULIC SYSTEM

Simple, reliable and high-efficiency tandem gear pump	
Main Pump at	: 2200 rpm
Oil Flow	: 101 lt/min
Pressure	: 230 bar
Auxiliary Pump at	: 2200 rpm
Oil Flow	: 50 lt/min
Pressure	: 210 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



DRIVING SPEEDS

At 2200 rpm engine speed	
1st gear	: 5.0 km/h
2nd gear	: 9.0 km/h
3rd gear	: 21.0 km/h
4th gear	: 40.0 mph

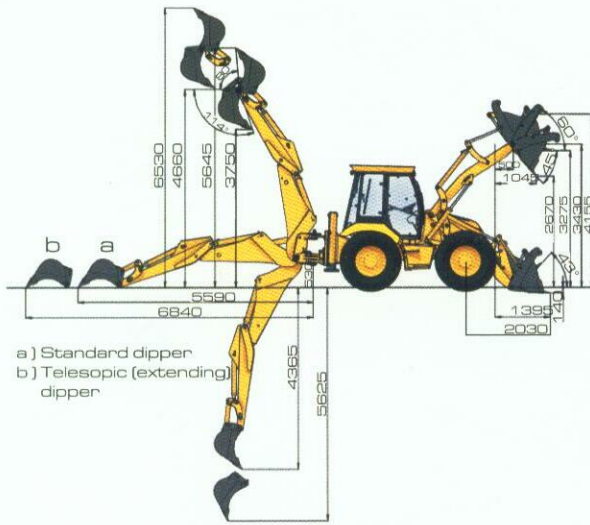
TIRES

Front & Rear	: 16.9 x 28 12 Ply Rating
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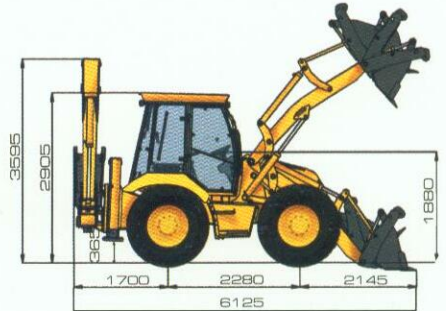
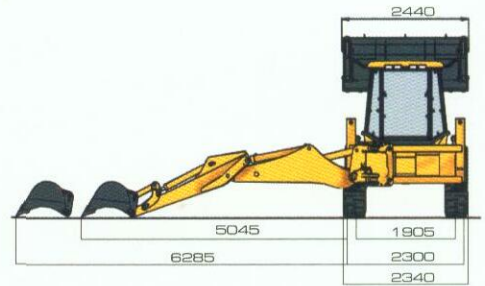
OPERATING WEIGHT

8.700 kg

HMK 102S



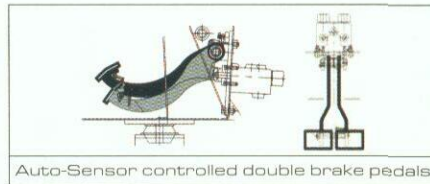
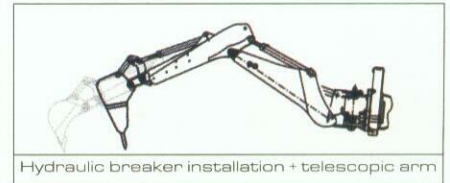
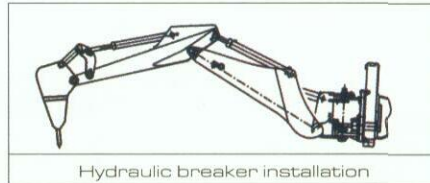
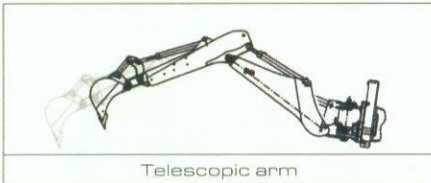
a) Standard dipper
b) Telescopic (extending) dipper



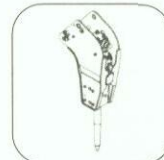
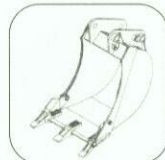
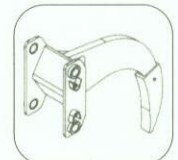
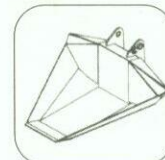
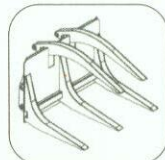
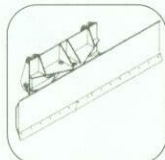
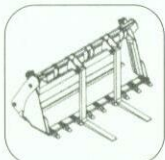
LOADER PERFORMANCE	
4 in 1 Bucket capacity	1.1 m ³
Max. bucket breakout force	6994 kg.
Max. loading arm breakout force	6231 kg.
Lifting capacity to maximum height	3014 kg.

BACKHOE PERFORMANCE	Standard	Telescopic
Max. bucket breakout force	5429 kg.	5558 kg.
Max. dipper breakout force	2815 kg.	2703 kg.
Lifting capacity to maximum height	1645 kg	1517 kg.

Accessories



Attachments



HIDROMEK®

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