

Laser³

140 | 160



- 1000 Series liquid-cooled 6-cylinder, turbo intercooler, TIER III A
- Electronically controlled fuel system
- 240 Litres fuel tank capacity
- Mechanical gearbox 24+12 or 16+12 with creeper
- 40 km/h max. speed
- Up to 7000 Kg max Lifting capacity with 68 l/min pump delivery
- Driving position suspended on silent-block

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TECHNICAL SPECIFICATION

LASER³ 140

LASER³ 160

Version		4WD	4WD
Version		1000.6 WTI TIER III A	1000.6 WTI TIER III A
ENGINE			
Cylinders/Displacement	n°/cm ³	6/6000	6/6000
Aspiration		Turbo Intercooler	Turbo Intercooler
Max. homologated power (2000/25/CE)	HP/kW	140/103	163/120
Rated speed	rpm	2350	2350
Max. torque	Nm	510	624
Max. torque engine speed	rpm	1600	1600
Torque backup	%	22	27
Cooling		liquid-oil	
Engine control		electronic	
Air cleaner		dry, with double cartridge	
Silencer		with vertical exhaust	
Fuel tank capacity	litres	130/240	240
DIMENSIONS AND WEIGHTS: (with rear tyres)		16.9 R38	18.4 R38
Max. length without link arms	mm	4264	4324
Width min.- max.	mm	2170-2670	2216-2424
Max. height at cab	mm	2977	2810
Ground clearance	mm	500	530
Wheelbase	mm	2750	2750
Front track min.- max.	mm	1826-1944	1826-1944
Rear track min.- max.	mm	1794-1802	1794-1802
Weight with cabin/platform	kg	5450-5250	5700-5500

TRANSMISSION

Gearbox clutch	single disc, self adjusting, hydrostatically operated
Mechanical gearbox, 4 synchronised gears, 3 gear ranges with creeper	16 FWD + 12 REV
Mechanical gearbox, 4 synchronised gears with splitter, 3 gear ranges	24 FWD + 12 REV
Max. speed	km/h 40
Shuttle	mechanical
Rear differential lock	mechanical - epicyclic final drives
Lubrication	forced

REAR P.T.O.

Clutch	multiple discs in oil bath with independent engagement
Speed	rpm 540 - 1000

BRAKES AND STEERING

Brakes	single disc in oil bath
Parking brake	multidisc oil-immersed - mechanically actuated
Hydrostatic steering	reactive type with dedicated pump
Steering angle	4WD 50°

FRONT AXLE

Drive engagement	mechanical
Front differential lock	mechanical
Front ballast	max. up to 12 x 40 kg

HYDRAULIC LIFT

Rear power lift	mechanical
Maximum lifting capacity	kg 5400 or 7000
Pump delivery	l/min. 68
Auxiliary hydraulic control valves	(ways) 4 / 6
3 point linkage (link arms and top link)	fixed hitching balls - automatic hitching
RH link arm and top link	mechanically regulated

DRIVING POSITION

Platform	suspended on 4 silent-block ROPS and canopy
Cab	suspended on 4 silent-block, ventilation, 2 doors, front, rear wiper and high visibility roof
Instruments	analog
Cab conditioning	heating and air conditioning
Driver's seat	with longitudinal, height and driver's weight adjustment

16 FWD + 12 REV GEARBOX WITH CREEPER - SPEED IN KM/H AT ENGINE SPEED OF 2350 RPM WITH 18.4 R 38 REAR TYRES

1 L CR	2 L CR	3 L CR	1 L	4 L CR	2 L	3 L	4 L	1 M	2 M	3 M	4 M	1 H	2 H	3 H	4 H
0.43	0.65	0.97	1.19	1.36	1.77	2.64	3.70	3.78	5.65	8.40	11.77	12.01	17.94	26.70	37.41

24 FWD + 12 REV GEARBOX WITH SPLITTER - SPEED IN KM/H AT ENGINE SPEED OF 2350 RPM WITH 18.4 R 38 REAR TYRES

1 L SP	1 L	2 L SP	2 L	3 L SP	3 L	4 L SP	1 M SP	4 L	1 M	2 M SP	2 M	3 M SP	3 M	4 M SP	1 H SP	4 M	1 H	2 H SP	2 H	3 H SP	3 H	4 H SP	4 H
0.97	1.19	1.45	1.77	2.17	2.64	3.04	3.10	3.70	3.78	4.63	5.64	6.89	8.40	9.66	9.85	11.77	12.01	14.71	17.94	21.90	26.69	30.69	37.41

The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.

PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY LOWER TO THE CORRESPONDING FORWARD SPEEDS WITHOUT UNDERDRIVE.

DEALER CONTACT

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We recommend the use of SDF Lubricants and Coolant 

Company with Quality System Certified in compliance with ISO 9001:2000

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