



Laser

100_110_115_130_150_170

Laser

- SDF 1000 SERIES TIER II LIQUID-COOLED 4/6-CYLINDER, NATURALLY ASPIRED/TURBO/TURBO INTERCOOLED DIESEL ENGINES
- 240 LITRES FUEL TANK CAPACITY
- ELECTRONICALLY CONTROLLED FUEL SYSTEM
- UP TO 7000 KG MAX. LIFTING CAPACITY WITH 68 L/MIN. PUMP DELIVERY
- DRIVING POSITION SUSPENDED ON SILENT-BLOCK

SAME
Rely on us.

Technical data and illustrations are guidelines only. As our aim at SAME is to deliver a product that increasingly satisfies customer requirements, we reserve the right to update this information at any time, without notice.

TECHNICAL SPECIFICATION

	Version	LASER 100	LASER 110	LASER 115	LASER 130	LASER 150	LASER 170
		4WD	4WD	4WD	4WD	4WD	4WD
ENGINE		SDF 1000.4 WT TIER II	SDF 1000.6 W TIER II	SDF 1000.6 WT TIER II	SDF 1000.6 WT TIER II	SDF 1000.6 WT TIER II	SDF 1000.6 WT TIER II
Cylinders/Displacement	n°/cm³	4/4000	6/6000	6/6000	6/6000	6/6000	6/6000
Aspiration		Turbo	Naturally aspirated	Turbo	Turbo	Turbo Intercooler	Turbo Intercooler
Max. homologated power (2000/25/CE)	HP/kW	96/70.5	101/74	116/85	126/92.6	156/114.7	171/126
Max. homologated power (ECE R24.03)	HP/kW	91/67	99/72.8	110/81	120/88.3	151/111	161/118
Rated speed	rpm	2300	2300	2350	2350	2350	2300
Max. torque	Nm	367	390	471	485	614	635
Max. torque engine speed	rpm	1400	1400	1400	1400	1400	1400
Torque backup	%	32	33	33	33	36	36
Cooling		liquid-oil					
Engine control		electronic management					
Air cleaner		dry with double element and cyclone prefilter					
Silencer		with vertical exhaust					
Fuel tank capacity std/opt	litres	140+180	140+180	140+180	160+140	160+140	160+140
DIMENSIONS AND WEIGHTS: (with rear tyres)		16.9 R34	16.9 R34	16.9 R38	18.4 R38	18.4 R38	20.8 R38
Max. length without link arms	mm	3783	4102	4264	4264	4324	4324
Width min.- max.	mm	2000-2320	2082-2304	2170-2670	2170-2670	2216-2424	2216-2424
Max. height at cab	mm	2687	2687	2977	2977	2810	2810
Ground clearance	mm	450	450	500	530	530	530
Wheelbase	mm	2375	2633	2750	2750	2750	2750
Front track min.- max.	mm	1630-1734	1630-1734	1826-1944	1826-1944	1826-1944	1826-1944
Rear track min.- max.	mm	1602-1740	1602-1740	1794-1802	1794-1802	1794-1802	1794-1802
Weight with cab/platform	kg	4055/3695	4320/3960	5450-5250	5450-5250	5700-5500	5700-5500

TRANSMISSION

Gearbox clutch	single disc, self adjusting, hydrostatically operated
Mechanical gearbox, 5 synchronized gears, 3 gears ranges	15 FWD + 15 REV (Laser 100 - 110)
Mechanical gearbox, 5 synchronized gears, 4 gear ranges with creeper	20 FWD + 20 REV (Laser 100 - 110)
Mechanical gearbox, 4 synchronised gears, 3 gear ranges with creeper	16 FWD + 12 REV (Laser 115 - 130 - 150 - 170)
Mechanical gearbox, 4 synchronised gears with splitter, 3 gear ranges	24 FWD + 12 REV (Laser 115 - 130 - 150 - 170)
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 or electrohydraulic (Laser 100 - 110)
Front differential lock	mechanical or electrohydraulic (Laser 100 - 110)

HYDRAULIC LIFT

Rear power lift	mechanical
Maximum lifting capacity	kg 3800/5000 (Laser 100)
	4700/6200 (Laser 110)
	5400/7000 (Laser 115 - 130 - 150 - 170)
Pump delivery	l/min. 58 (Laser 100 - 110)
	68 (Laser 115 - 130 - 150 - 170)
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

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

15 FWD + 15 REV GEARBOX - SPEED IN KM/H AT ENGINE SPEED OF 2300 RPM WITH 16.9 R34 REAR TYRES															
1 L	2 L	3 L	1 M	4 L	2 M	5 L	3 M	4 M	1 H	5 M	2 H	3 H	4 H	5 H	
1,72	2,31	3,08	3,72	4,39	5	5,92	6,66	9,48	11,08	12,79	14,9	19,83	28,23	38,08	

20 FWD + 20 REV GEARBOX WITH CREEPER - SPEED IN KM/H AT ENGINE SPEED OF 2300 RPM WITH 16.9 R34 REAR TYRES																			
1 CR	2 CR	3 CR	4 CR	1 L	5 CR	2 L	3 L	1 M	4 L	2 M	5 L	3 M	4 M	1 H	5 M	2 H	3 H	4 H	5 H
0.5	0.68	0.9	1.29	1.72	1.74	2.31	3.08	3.72	4.39	5	5.92	6.66	9.48	11.08	12.79	14.9	19.83	28.23	38.08

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

PLEASE NOTE: REVERSE SPEEDS ARE EQUAL TO THE CORRESPONDING FORWARD SPEEDS WITHOUT CREEPER.

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

SAME
Rely on us.

We recommend the use of SDF Lubricants and Coolant



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

SAME DEUTZ-FAHR GROUP S.p.A. _ Viale Cassani, 14 _ 24047 _ Treviglio (BG) _ Italy _ Ph: +39 0363 4211 _ www.samedeutz-fahr.com

SAME DEUTZ-FAHR U.K. LTD. _ Barby Lane, Barby, Nr Rugby _ CV23 8TD _ WARWICKSHIRE _ UK _ www.same-tractors.com