

R5
100 - 110 - 130 - 150



- SDF series 1000 Tier 2, 4 and 6 cylinders
- 12 FWD + 12 REV synchronized speeds and 16 FWD + 12 REV with creeper
- High efficiency transmissions
- Cab and platform versions available
- Fuel tank capacity up to 240 litres
- Maximum lifting capacity 7000 kg



TECHNICAL DATA		R5			
		100	110	130	150
ENGINE					
Emissions		Tier 2	Tier 2	Tier 2	Tier 2
Manufacturer		SDF 1000.4WT	SDF 1000.6W	SDF 1000.6WT	SDF 1000.6WTI
Cylinders/Displacement	n°/cm ³	4/4000	6/6000	6/6000	6/6000
Naturally aspirated		-	•	-	-
Turbocharged		•	-	•	-
Turbo intercooled		-	-	-	•
Maximum power (homologated, 2000/25/EC)	kW/HP	70/96	74/101	126/92.6	156/114.7
Rated speed	rpm	2300	2300	2350	2350
Maximum torque	Nm	362	390	479	614
Mechanical governor		-	-	•	•
Electronic engine management		•	•	-	-
Air cleaner with dust unloader		•	•	•	•
Liquid cooling		•	•	•	•
Silencer under hood with vertical exhaust		◦	◦	•	•
Silencer under hood with exhaust on cab post		◦	◦	-	-
Fuel tank capacity (std)	litres	140	140	130	130
Fuel tank capacity (opt)	litres	-	180	110	110
Biodiesel fuel	%	B100	B100	B100	B100
MECHANICAL TRANSMISSION					
Synchronized		•	•	•	•
Speeds	n°	15+15	15+15	24+12	24+12
Speeds with creep	n°	20+20	20+20	16+12	16+12
Minimum speed/minimum speed with creep	km/h	2.33/1.08	2.33/1.08	2.04/0.24	2.04/0.24
Maximum speed (4WD/2WD)	km/h	40	40	40	40
Hydrostatically operated clutch		•	•	•	•
REAR PTO					
Oil-immersed multi-disc clutch		•	•	•	•
Electrohydraulically operated		•	•	•	•
PTO 540-1000		•	•	•	•
FRONT AND REAR AXLE					
Electrohydraulically operated 4WD		•	•	•	•
Mechanically operated differential locks		•	•	•	•
Steering angle 4WD	degrees	50°	50°	50	50
BRAKES					
Oil-immersed disc brakes		•	•	•	•
Braking on all 4 wheels		•	•	•	•
STEERING					
Hydrostatic, with height and tilt adjustable column		•	•	•	•
HITCH					
Category		II	II	II	II
Mechanical rear lift		•	•	•	•
Rear lifting capacity	kg	5300	6500	7000	7000
Auto hitch lower link ends		•	•	◦	◦
HYDRAULIC SYSTEM					
Pump flow rate (std)	l/min	58	58	68	68
Open centre hydraulic system		•	•	•	•
Mechanically operated spool valves		•	•	•	•
Rear auxiliary spool valves	n° ports	6/8	6/8	4/6	4/6
DRIVING POSITION					
Side mounted gear shift levers		•	•	•	•
Platform with ROPS		◦	◦	◦	◦
Silent Bloc mounted cab		◦	◦	◦	◦
Driver seat with mechanical suspension		•	•	•	•
Analogue instrumentation		•	•	•	•
DIMENSIONS AND WEIGHTS					
Standard rear tyres		420/85R34"	480/70R34"	16.9R38"	18.4R38"
Maximum length	mm	3783	4102	4264	4324
Width (min-max)	mm	2000/2500	2082/2304	2216/2424	2216/2424
Wheelbase	mm	2373	2633	2750.5	2750.5
Front track width (min-max)	mm	1630/1734	1630/1734	1826/1944	1826/1944
Rear track width (min-max)	mm	1602/1740	1602/1740	1794/1802	1794/1802
Maximum height	mm	2660	2687	2977	2977
Ground clearance	mm	445	475	450	450
Weight with ROPS	kg	3730	3960	5250	5500
Weight with cab	kg	4160	4320	5450	5700
Maximum permissible load	kg	6200	7200	8100	8500

STD • OPT ◦ - Not available

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The use of SDF original lubricants and coolants is recommend-



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R6
160 - 185



- Deutz Common Rail engine, 6 cylinders, turbo intercooler, Tier3
- Six speed transmission with 4 stage Powershift and supercreeper gear: 40 FWD + 40 REV, max. speed 50 km/h (where permitted)
- Maximum comfort thanks to a cab equipped with advanced and ergonomic controls
- Maximum rear lifting capacity 9,200 Kg



TECHNICAL DATA		R6	
		160	185
ENGINE			
Emissions		Tier3	Tier3
Manufacturer		Deutz TCD 2012	Deutz TCD 2012
Cylinders/Capacity	No./cm3	6/6,057	6/6,057
Turbo Intercooler intake		•	•
Max. homologated power at rated speed (2000/25/EC)	kW/hp	120/163	135/184
Power at rated engine speed (ECE R-120)	kW/hp	122/166	141/192
Max. engine speed (rated)	rpm	2,200	2,200
Max. torque	Nm	655	720
Electronic engine control		•	•
Air filter with dust ejector		•	•
Cooling liquid		•	•
Exhaust on cab A-pillar		•	•
Fuel tank capacity	litres	270	305
Biodiesel fuel	%	B100	B100
MECHANICAL GEARBOX			
Synchronised		•	•
Number of speeds	n°	24+24	24+24
Number of speeds with supercreeper gear	n°	40+40	40+40
Powershift number of speeds	n°	4	4
Minimum/maximum speed with supercreeper gear	km/h	3.38/0.6	3.18/0.39
Max. speed*	km/h	50	50
Electrohydraulically engaged clutch		•	•
REAR PTO			
Electrohydraulically engaged clutch		•	•
Groundspeed PTO		•	•
540/540ECO/1000/1000ECO PTO		•	•
FRONT AND REAR AXLE			
Four wheel drive electrohydraulically engaged		•	•
Multiplate wet clutch		•	•
4WD steering angle	degrees	52°	52°
BRAKES			
4-wheel braking		•	•
Braking system with wet brake discs		•	•
Mechanical parking brake		•	•
STEERING			
Hydrostatic steering with independent pump		•	•
HITCH			
Category		III	III
Electronically controlled rear hitch		•	•
Rear hitch lift capacity	kg	9,200	9,200
Mechanical front hitch with transport position for lower links		o	o
HYDRAULIC SYSTEM			
Pump output (std)	l/min	120	120
Open-centre hydraulic system		•	•
Electronic auxiliary valve control		•	•
Rear hydraulic auxiliary valves	No. of ways	4	4
DRIVING POSITION			
Side control levers		•	•
Cab		•	•
Work Display		•	•
Mechanical cab suspension		•	•
Air cab suspension		o	o
Air conditioning		•	•
DIMENSIONS AND WEIGHTS			
With front tyres		540/65R28"	600/70R30"
With rear tyres		650/65R38"	620/70R42"
Wheelbase	mm	2,647	2,817
Length	mm	4,545 - 4,772	4,755 - 4,972
Height	mm	2,916 - 3,024	3,026 - 3,127
Width	mm	2,068 - 2,527	2,354 - 2,542
Ground clearance	mm	520	535 - 605
Total unladen weight	kg	5,563 - 6,515	5,961 - 7,245
Max. permissible total weight	kg	8,080 - 10,300	9,850 - 10,000

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* = if this limit is permitted

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Use of original SDF lubricants and coolants is recommended.



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R8 270



- DEUTZ Common Rail engine
- Automatic Powershift transmission
- Cab with air suspension
- Electronically controlled hitch with lift capacity of 10,500 Kg.
- Front hitch with lifting capacity of 5,100 kg



TECHNICAL DATA		R8
		270
ENGINE		
Emissions		Tier 3
Manufacturer		Deutz TCD 2013 L06 4V DCR
DEUTZ Common Rail		●
Cylinders/Capacity	No/cc	6/7,146
Turbo Intercooler intake		●
Max. homologated power at rated speed (2000/25/EC)	kW/hp	202/275
Power at rated engine speed (ECE R 120)	kW/hp	198/269
Max. engine speed (rated)	rpm	2240
Max. torque	Nm	1035
Electronic engine control		●
Air filter with dust ejector		●
Liquid cooling with openable radiators		●
Exhaust on cab A-pillar		●
Fuel tank capacity	litres	585
Biodiesel fuel	%	B100
POWERSHIFT GEARBOX		
Number of speeds with supercreeper gear	n°	40+40
Powershift number of speeds	n°	4
Minimum/maximum speed with supercreeper gear	km/h	3.29/0.48
Max. speed	km/h	50
Automatic Powershift		●
Comfort Clutch		●
Electrohydraulically operated shuttle		●
REAR PTO		
Multiplate wet clutch		●
Electrohydraulically operated clutch		●
540/540ECO/1,000/1,000ECO PTO		○
P.T.O. 540/1,000		●
FRONT AND REAR AXLE		
Front wheel drive electrohydraulically engaged		●
Steering angle/radius 4WD	degrees/mm	52°/6,750
BRAKES		
Wet rear disc brakes		●
Parking brake		●
STEERING		
Hydrostatic, with height and tilt adjustable steering column		●
HITCH		
Category		III
Electrohydraulically controlled rear hitch		●
Rear hitch lift capacity	kg	10,500
Front hitch with linkage transport position		○
HYDRAULIC SYSTEM		
Pump output (std)	l/min	120
Closed centre hydraulic system (Load Sensing)		●
Electronic distributor control		●
Rear auxiliary distributors	No. of ways	8
Flow regulator and timer		●
DRIVING POSITION		
Multifunction armrest		●
Cab		●
Work Display		●
Performance Monitor		●
Comfortip		●
High visibility roof		●
Air sprung cab suspension		●
Air conditioning		●
DIMENSIONS AND WEIGHTS		
With front tyres		600/65R34"
With rear tyres		650/65R42"
Wheelbase	mm	3,095
Length (min-max)	mm	5209-5399
Height (min-max)	mm	3265-3270
Width (min-max)	mm	2500-2749
Ground clearance (min-max)	mm	445-625
Total unladen weight (min-max)	kg	8753-9995
Weight with cab (min-max)	kg	9,430-10,435

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CROSS S

55 - 65



- 1000.3 Series SDF, Tier 1 with 3 cylinders
- 540 PTO transmission
- Available in 2WD and 4WD version
- 30 km/h max. speed
- 12 FWD + 3 REV with mechanically operated gearbox
- Compact and essential



TECHNICAL DATA		CROSS S	
		55	65
ENGINE			
Emissions		Tier1	Tier1
Manufacturer		SDF 1000.3	SDF 1000.3
Cylinders/Capacity	No./cm3	3/3,000	3/3,000
Natural aspiration		•	•
Max. homologated power (ECE R-120)	kW/hp	37/50	40.5/55
Max. engine speed (rated)	rpm	2,350	2,350
Max. torque	Nm	234	234
Mechanical engine control		•	•
Cyclone prefilter		•	•
Cooling liquid		•	•
Under-hood silencer with vertical exhaust		•	•
Fuel tank capacity	litres	56	56
MECHANICAL GEARBOX			
Synchronised		•	•
Number of speeds	n°	8+2	8+2
Number of speeds with reduction gear	n°	12+3	12+3
Minimum/maximum speed with reduction gear	km/h	0.89/0.24	0.89/0.24
Max. speed	km/h	30	30
Mechanical dry clutch, single		•	•
REAR PTO			
Mechanical dry clutch, single		•	•
Mechanical engagement		•	•
PTO 540		•	•
FRONT AND REAR AXLE			
Four wheel drive mechanically engaged (only 4WD versions)		•	•
Mechanically operated differential lock		•	•
Steering angle/turning circle 2WD	degrees/mm	50°/ 3,550	50°/3,550
Steering angle/turning circle 4WD	degrees/mm	55°/ 3,700	55°/3,700
BRAKES			
Braking system with wet brake discs		•	•
Mechanical parking brake		•	•
STEERING			
Hydrostatic steering with independent pump		•	•
HITCH			
Category		II	II
Rear hitch mechanical		•	•
Rear hitch lift capacity	kg	1,500	1,500
HYDRAULIC SYSTEM			
Pump output (std)	l/min	31	31
Open-centre hydraulic system		•	•
Mechanical valve engagement		•	•
Rear hydraulic auxiliary valves	No. of ways	2/4	2/4
DRIVING POSITION			
Side control levers		•	•
ROPS with two uprights		○	○
Driver seat with mechanical suspension		•	•
Analogue instrumentation		•	•
DIMENSIONS AND WEIGHTS			
Standard rear tyres		14.9R28"	16.9R28"
Max. length	mm	3,202	3,225
Width (min-max)	mm	1,685/2,125	1,822/2,336
Wheelbase (4WD/2WD)	mm	2,045	2,045
Front track (4WD/2WD)	mm	1,740/1,530	1,740/1,530
Rear track	mm	1,800	1,800
Max. weight at steering	mm	1,505	1,505
Max. height at cowl	mm	1,355	1,355
Weight with ROPS (4WD/2WD)	kg	2,150/1,940	2,300/2,090

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CROSS

75 - 85 - 95



- SDF Liquid cooled engine 1000 series
- High pressure injection system
- High performance at low consumption
- 5 speeds gearbox
- 40 km/h max. speed
- Side-mounted gear levers
- Independent P.T.O. system
- Planetary reduction final gearbox
- Integrated 4wheels braking system
- Also available with 2WD



TECHNICAL DATA		CROSS		
		75	85	95
ENGINE				
Emissions		Tier1	Tier1	Tier1
Manufacturer		SDF 1000.4 W	SDF 1000.4 W	SDF 1000.4 W
Cylinders/Capacity	No./cc	4/4000	4/4000	4/4000
Naturally aspirated		●	●	-
Turbocharged intake		-	-	●
Max. homologated power (ECE R 120)	kW/hp	55.2/75	62.5/85	69.9/95
Max. engine speed (rated)	rpm	2350	2,500	2,500
Max. torque	Nm	270	288	330
Engine control mechanical		●	●	●
Cyclone pre-filter		●	●	●
Cooling liquid		●	●	●
Under-hood silencer with side exhaust		○	○	○
Fuel tank capacity	litres	67	85	85
Biodiesel fuel	%	B100	B100	B100
MECHANICAL GEARBOX				
Synchronised		●	●	●
Number of speeds	n°	12+12	12+12	12+12
Number of speeds, 4 speeds with supercreeper gear	n°	16+16	16+16	16+16
Number of speeds, 5 speeds with supercreeper gear	n°	20+20	20+20	20+20
Minimum/maximum speed with supercreeper gear	km/h	0.18/1.61	0.18/1.61	0.18/1.61
Max. speed	km/h	30/40	30/40	30/40
Mechanical clutch dry, single		●	●	●
REAR PTO				
Mechanical clutch dry, single		●	●	●
Mechanical engagement		●	●	●
P.T.O. 540/1,000		●	●	●
FRONT AND REAR AXLE				
Front wheel drive mechanically engaged (for 4WD versions only)		●	●	●
Mechanically operated differential lock		●	●	●
Steering angle/radius 2WD	degrees/mm	70°/3,350	70°/3,350	70°/3,350
Steering angle/radius 4WD	degrees/mm	50°/4,150	50°/4,500	50°/4,500
BRAKES				
Braking system with wet brake discs		●	●	●
Mechanical parking brake		●	●	●
STEERING				
Hydrostatic steering with independent pump		●	●	●
HITCH				
Category		II	II	II
Rear hitch mechanical		●	●	●
Rear hitch lift capacity	kg	2950	3084	3084
HYDRAULIC SYSTEM				
Pump output (std)	l/min	56	56	56
Open centre hydraulic system		●	●	●
Mechanical distributor engagement		●	●	●
Rear auxiliary distributors	No. of ways	2/4	4/6	4/6
DRIVING POSITION				
Side control levers		●	●	●
Platform variant with a ROPS roll frame		●	●	●
Driver seat with mechanical suspension		●	●	●
Instrumentation analogue		●	●	●
DIMENSIONS AND WEIGHTS				
Standard rear tyres		420/85R30"	460/85R34"	460/85R34"
Max. length	mm	3630	3635	3635
Width	mm	3755	3920-3990	3920-3990
Wheelbase (4WD/2WD)	mm	2245/2320	2300/2360	2300/2360
Front track	mm	1,400-1,700	1,400-1,700	1,400-1,700
Rear track	mm	1500-1600	1500-1600	1500-1600
Max. height with roll bar folded down	mm	2278	2278	2278
Weight (4WD/2WD)	kg	2850/2560	3200/3050	3200/3050
Maximum load capacity (4WD/2WD)	kg	4900/4400	5450/4830	5450/4850

STD ● OPT ○ - Not available

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