

 SAME DEUTZ-FAHR

**C**  
110 SIX

**CF**  
90-100

**CV**  
80



A different breed.

## Efficiency according to Lamborghini

Highly innovative performance, handsome looks, ease of use and unique comfort make Lamborghini's new crawlers the ideal machines for tackling all types of terrain.

The meticulous design has a modern, stylish look, featuring a one-piece hood, which significantly enhances forward visibility.

The Lamborghini C SIX, CF and CV are highly efficient and have been designed with a low centre of gravity for complete safety even on steep gradients.

The most demanding open-field applications are effortless with the C SIX range, whose undercarriage with six large rollers ensures total stability even when working on steep gradients with heavy loads.

The CF has a compact structure, which makes it ideal for specialist applications (orchards/vineyards). The lower driver position and fuel tank positioning, combined with a wide range of track chains, keep the tractor's width below 1360 mm.

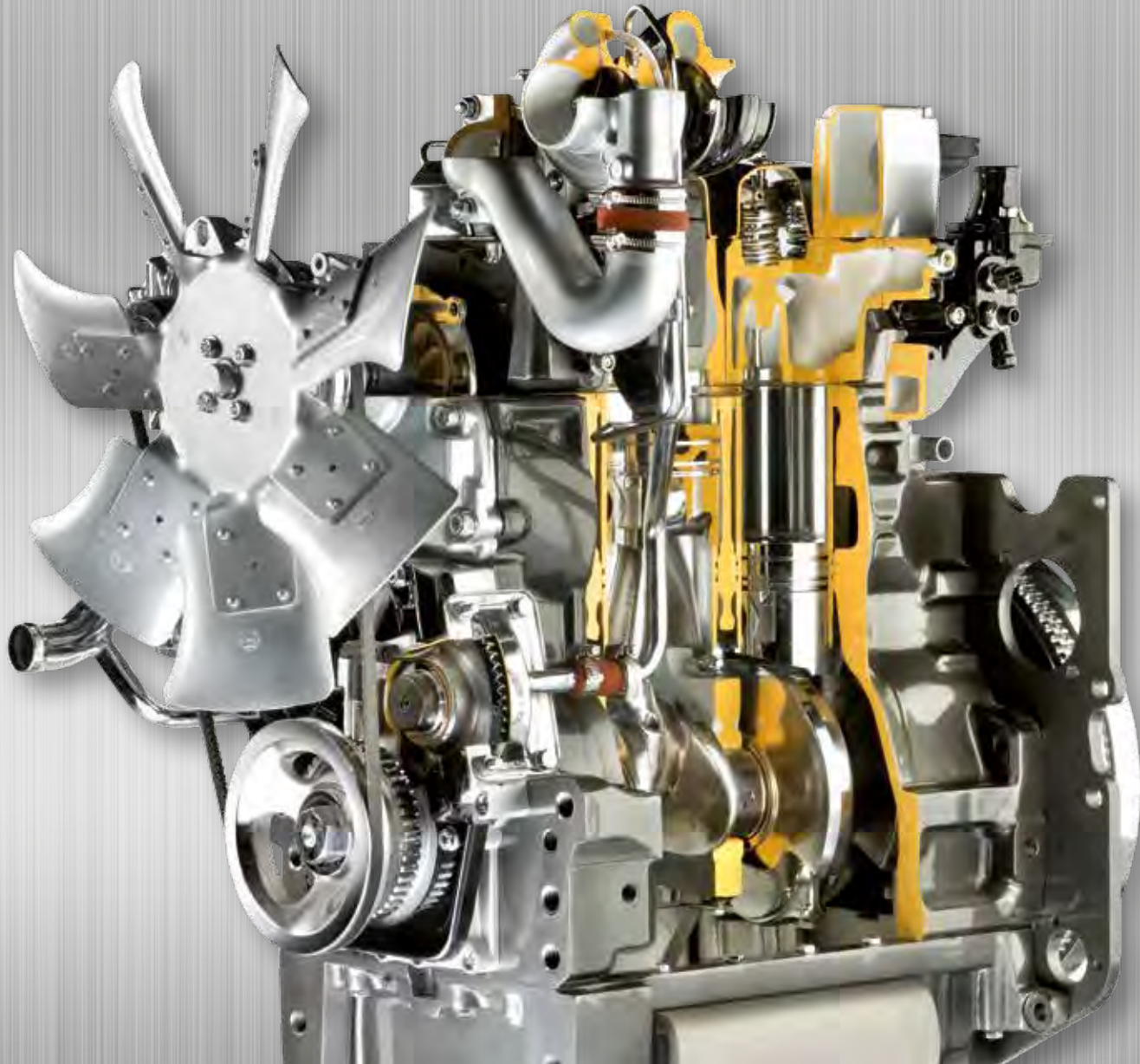
The CV range was designed to minimise size in every direction, for maximum effectiveness in even the tightest spaces, without compromising operator comfort, which is assured at all times by the ergonomic platform available in different configurations.

**C**  
110 SIX





## Euro III engines: first-class performance



The new 1000 series Euro III, liquid-cooled, 3- or 4-cylinder engines with turbo intercooler ensure high power even at low-to-medium engine speeds. The construction of the engine block, with reinforcing ribs and with rocker arm control rod passages integrated into the casting, ensures particularly high performance and makes structural strength one of the primary characteristics of these crawlers.

The increased rigidity of the block reduces noise and enhances operator comfort.



For maximum efficiency, the engines are equipped with the exclusive SDF injection system - one of the most technologically advanced on the market - and a proportional, viscostatic cooling fan.

Each cylinder is served by a 1400 bar, high-pressure injection pump. This ensures high-efficiency fuel delivery managed by the ECU to optimise performance and fuel consumption. With a single push of a button (located on the right-hand console on the C SIX version and on the dashboard next to the accelerator lever on the CF and CV versions), you can memorise a given engine speed, which the ECU will then keep constant in all work and load conditions, thereby helping you work continuously and productively.



## Top performance under tough demands



The mechanical gearbox meets the needs of all applications: The C SIX and CF have a 16+16-speed mechanical transmission, which can be combined with either a hi-lo or creeper for extra slow work (minimum speed 0.61 km/h).

A synchronized shuttle ensures that manoeuvres are always swift and smooth. The CV offers mechanical configurations with 8+8 or 12+8 speeds. The appropriately sized main drive clutch (13" in diameter on the C 110 SIX), combined with the mechanical robustness of the transmission,

which is fitted with a dedicated oil cooling radiator, enables you to work at consistent oil temperatures, thus ensuring long-lasting, high performance.

## Maximum reliability and ease of use

Lamborghini's crawlers won't let you down even in the most difficult work conditions, and will ensure your constant safety with their oil-immersed steering clutches and brakes.

Both these units operate progressively and independently on each track, controlled by a pair of low-effort levers with hydraulic servo-assist incorporated conveniently into the instrument panel.

Every action is simple and precise: when the lever is pulled to half-travel, it will activate the corresponding clutch, and beyond this point, the brakes come into operation as well. You can also operate the brakes mechanically with the pedals. With Lamborghini crawlers, you can use any implement you like thanks to a wide selection of PTOs: 540/540 Eco for the CF or 540/540 Eco/1000 for the C SIX and CV.

Thanks to the hydraulic clutch with oil-immersed discs on the C SIX and CF, PTO engagement is progressive and electrohydraulically controlled by means of a pushbutton. This is a feature normally found on high-powered, wheeled tractors and guarantees optimum reliability and durability when using the PTO, even for heavy-duty applications. And to emphasize the versatility of Lamborghini crawlers still further, the PTO output shaft is also interchangeable.

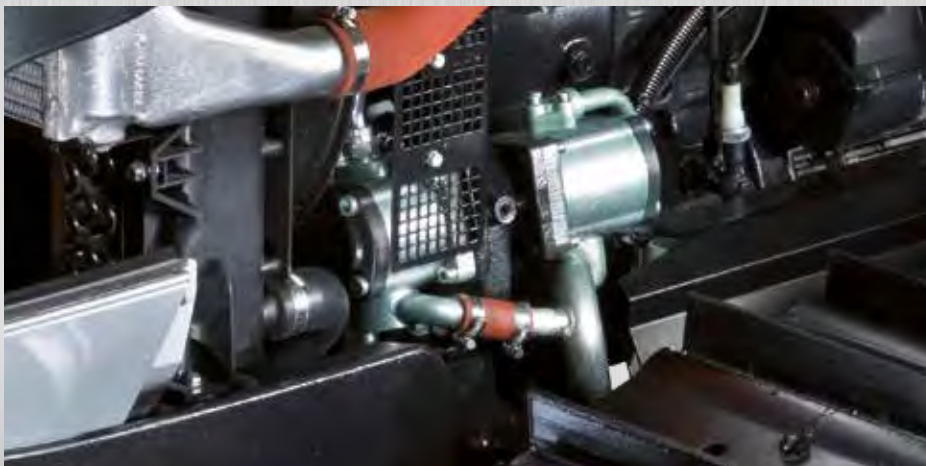


## Two circuits for outstanding work

The hydraulic system incorporates two separate circuits and a dual pump: a main pump serving the lift and auxiliary spool valves, and a secondary pump serving the steering clutches, brakes, PTO and transmission lube system.

If you need to raise the implement while manoeuvring, the steering clutches are always light and responsive.

Power is evenly distributed, and hydraulically operated implements are unaffected by the demands of the machines hydraulics.





## Total efficiency on every job

Lamborghini crawlers are equipped with 3 double-acting spool valves or, optionally, with 5 double-acting valves for a total of 10 external ports for the use with hydraulically operated implements. Changing implements is particularly easy, thanks to the hydraulic, push-pull, quick couplings, which enable you to fit and remove implements swiftly, even with the hydraulic circuit under pressure.

Lamborghini CF models can also be equipped with duplicate ports on the front of the right-hand frame, for greater convenience when coupling mid- and front-mounted implements.

This is particularly useful when operating a pruner attachment, vine shoot cutter, post driver or other implements commonly used in specialist cultivation.

## Load control in every situation

On Lamborghini crawlers, the rear lift is mechanical, with draft and position control.

To facilitate the coupling of various types of implement, the three-point linkage is available in two configurations: standard or heavy duty. Both are generously sized, but have different forms. Control sensitivity and implement drop speed can be adjusted to suit a wide range of application requirements.

The upgraded drawbar bracket is equipped with a curved cross-member for greater compactness, and is fixed to the transmission housing in a forward position, to ensure greater stability and improved traction.



## Comfortable, ergonomic driver position

The exclusive design and character of Lamborghini crawlers is plain to see at first glance: the driver position offers similar levels of comfort as a wheeled tractor, and is insulated and vibration-free.

To achieve this, the platform on Lamborghini crawlers is mounted on four silent block bushes to absorb vibration, while the driving seat (available with a choice of air or mechanical suspension) is equipped with a standard safety belt.

The optimised layout of the controls helps make Lamborghini crawlers class-leaders in simplicity and practicality. The buttons are grouped together by function on the dashboard and on the right-hand console, in a handy position that leaves plenty of free space. The instrument panel has an anti-reflective screen and well defined warning lights, to remain clearly visible and easy to read in all light conditions.

The modulating brake and transmission clutch pedals, and the steering and PTO clutches with hydraulic servo enable you to achieve higher productivity with less effort.

Lubricated track chains are also available as an option. These not only reduce power demand and the effects of wear, but also reduce noise considerably.



## Getting on with the job in complete safety

Lamborghini crawlers are designed for maximum safety and stability even in demanding situations on steep ground.

In addition, the driving position is protected by a fixed four-post ROPS on C SIX models, and by a folding roll bar on CF and CV versions.

## Watchword: practicality

One glance and you know these machines are going to be easy to maintain: the one-piece, easy lift-up hood gives you immediate access to the engine and radiators. The latter are fitted with a sliding mesh screen to safeguard them against dust and other residues, to reduce maintenance requirements even further.

All the engine maintenance points are located in an easily accessible position on the right-hand side, while the steering clutches are equipped with a self-adjusting mechanism, which removes the need for periodic checking and adjustment.

The oil change intervals are particularly long: 300 hours for the engine oil, and 1200 hours for the transmission oil.



# Customer satisfaction is our greatest asset

Customer satisfaction is central to the corporate strategy of SAME DEUTZ-FAHR, and begins the moment a prospective client crosses the threshold at one of our 3000 Dealerships and Authorized Service Centres worldwide.

We may dazzle customers with the quality and technology of our products, but it will be of little use unless we can meet their long-term expectations, by operating a Sales and Service Network capable of

turning Customer Satisfaction into a practical reality underpinned by excellence in standards of service, and above all, by the enthusiasm and professionalism of everyone in the organization.

## **SDF Service.**

### **The name says it all.**

The primary task of the SAME DEUTZ-FAHR service network is to respond to the needs of the customer swiftly, profession-

ally and effectively: from negotiation of the purchase, through pre-delivery inspection to scheduled maintenance, repairs, an efficient parts service, and the ability to offer a wide range of accessories.



## All the credit that your hard work deserves.

Maximum ease of use and enormous effectiveness are shared characteristics of all SAME DEUTZ-FAHR Group products, starting from the financial services on offer.

SDF FINANCE knows the needs of the agricultural sector inside out and – in liaison with your SAME, LAMBORGHINI, DEUTZ-FAHR and HÜRLIMANN dealer – can put together a financing arrangement tailored exactly to your particular needs.

Find out all about our flexible and advantageous financial products from your regular dealer, or contact your SDF FINANCE consultant directly.





## SDF original parts: quality that pays.

Any component of a SAME DEUTZ-FAHR product – however simple – represents the outcome of a complex design and manufacturing process that demands high and unwavering standards of quality, in terms both of the selected materials and of the way that single elements are assembled.

Only using SDF original parts can you be confident that the performance and the functions of every SAME, LAMBORGHINI, DEUTZ-FAHR and HÜRLIMANN machine will remain unaltered over time.

 SDF Parts



## TECHNICAL DATA

<b>ENGINE</b>		<b>SDF TIER III</b>	
Cylinders/ Displacement	n°/cm³	4/4000	
Air intake		Turbo/Intercooler	
Maximum power, homologated (2000/25/EC)	(HP/kW)	102/75	
Maximum power (2000/25/EC)	(HP/kW)	102/75	
Rated engine speed	rpm	2300	
Maximum torque	Nm	376	
Revs at maximum torque	rpm	1600	
Torque rise	%	21.3	
Cooling		liquid-oil	
Engine control (governor)		electronic	
Air cleaner		dry type with safety element and dust unloader	
Silencer under hood		with vertical exhaust adjacent to ROPS upright	
Fuel tank capacity	litres	130	
<b>TRACKS</b>		<b>16.9 R30</b>	
Track chains		dry lubricated	
Rollers and track idlers		oil-immersed	
Bottom rollers	n°	6	
Top rollers	n°	1	
Cleats per track	n°	40	
Cleat width	mm	450	
Footprint	cm²	14,292	
Front ballast weights	n°	8 front weights, 40 kg each 2+2 side weights, 40 kg each	
<b>DIMENSIONS AND WEIGHTS</b>			
Length	mm	3472	
Width	mm	1800	
Track width	mm	1350	
Ground clearance	mm	400	
Wheelbase	mm	1850	
Weight	kg	5470	
<b>TRANSMISSION</b>			
Gearshift clutch		pedal operated	
All-mechanical 16 FWD + 16 REV		4-speed synchromesh gearbox with 2 ranges + Hi-Lo (minimum speed: 1.33 km/h)	
All-mechanical 16 FWD + 16 REV		4-speed synchromesh gearbox with 2 ranges + creeper (minimum speed: 0.61 km/h)	
Shuttle		mechanical, synchronized	
Lubrication		pressure circuit + transmission oil cooler	

### 16 FWD + 16 REV TRANSMISSION WITH SHUTTLE AND HI-LO - SPEEDS IN KM/H AT 2500 RPM ENGINE

1 L Lo	1 L	2 L Lo	2 L	3 L Lo	3 L	4 L Lo	4 L	1 H Lo	1 H	2 H Lo	2 H	3 H Lo	3 H	4 H Lo	4 H
1.15	1.38	1.49	1.79	1.92	2.32	2.83	3.40	3.66	4.40	4.76	5.76	6.14	7.39	9.04	11.07

### 16 FWD + 16 REV TRANSMISSION WITH SHUTTLE AND CREEPER - SPEEDS IN KM/H AT 2500 RPM ENGINE

1 L Cr	2 L Cr	3 L Cr	4 L Cr	1 L	1 H Cr	2 L	2 H Cr	3 L	3 H Cr	4 L	4 H Cr	1 H	2 H	3 H	4 H
0.40	0.52	0.66	0.98	1.38	1.84	1.79	2.39	2.31	3.08	3.40	4.20	4.78	6.22	8.03	11.07

<b>REAR P.T.O.</b>		
Clutch		oil-immersed multi-disc
Speeds	rpm	540-540 ECO-1000
Operation		hydraulic servo
<b>BRAKES AND STEERING</b>		
Steering clutches		oil-immersed multi-disc with hydrostatic servo
Steering brakes		oil-immersed band type with hydraulic servo
Clutch-brake control		sequential, via levers under the instrument panel
Service brakes		pedal operated
<b>HYDRAULIC LIFT</b>		
Rear lift		mechanical with draft, position and mix control
Maximum lifting capacity	kg	3000
Rated flow of pumps	l/min.	52 + 25 with dual pump
Auxiliary spool valves	n° ports	6/10 with flow control
Heavy Duty three point linkage (lift links and top link)		with fixed link ends with auto hitch link ends
<b>DRIVING POSITION</b>		
Platform		suspended on silent-block mounts with 4 uprights
Roll Over Protective Structure		sunshade roof and 4 work lights
Shift levers		right of driving seat
Shuttle lever		right of driving seat
Accelerator		hand throttle and decelerator pedal
Driving seat		mechanically adjustable with seat belt air suspension with seat belt

N.B.: REVERSE SPEEDS ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS

The above specifications refer to the highest specification package available. For information on equipment levels and options, refer to the current price list and contact your local dealer for details.

## TECHNICAL DATA

ENGINE	CF90				CF100				
	C	N	M	N	M	N	M		
Cylinders/ Displacement	n°/cm³	SDF TIER III 4/4000				SDF TIER III 4/4000			
Air intake		Turbo/Intercooler				Turbo/Intercooler			
Maximum power, homologated (2000/25/EC)	(HP/kW)	85/62.5				95/70			
Maximum power (2000/25/EC)	(HP/kW)	85/62.5				95/70			
Rated engine speed	rpm	2200				2200			
Maximum torque	Nm	345				373			
Revs at maximum torque	rpm	1600				1600			
Torque rise	%	27.2				23.1			
Cooling		liquid-oil							
Engine control (governor)		electronic							
Air cleaner		dry type with safety element and dust unloader							
Silencer under hood		with side exhaust under footstep							
Fuel tank capacity	litres	90							
<b>TRACKS</b>									
Track chains		dry							
Rollers and track idlers		semi-lubricated / lubricated							
Bottom rollers	n°	5							
Top rollers	n°	1							
Cleats per track	n°	37							
Track guards	type	steel							
Cleat width	mm	310	360	400	360	450			
Footprint	cm²	8990	10454	11600	10454	13032			
Front ballast weights	n°	8 front weights, 40 kg each 2+2 side weights, 40 kg each							
<b>DIMENSIONS AND WEIGHTS</b>									
Length	mm	3445				3407			
Width	mm	1360	1460	1750	1460	1800			
Track width	mm	1050	1100	1350	1100	1350			
Height to seat cushion	mm	1070							
Height to instrument panel	mm	1430							
Ground clearance	mm	250							
Wheelbase	mm	1650							
Weight	kg	4283	4335	4514	4335	4630			
<b>TRANSMISSION</b>									
Gearshift clutch		dry single-plate							
All-mechanical 16 FWD + 16 REV		4-speed synchromesh gearbox with 2 ranges + Hi-Lo (minimum speed: 1.33 km/h)							
All-mechanical 16 FWD + 16 REV		4-speed synchromesh gearbox with 2 ranges + creeper (minimum speed: 0.61 km/h)							
Shuttle		mechanical, synchronized							

### 16 FWD + 16 REV TRANSMISSION WITH SHUTTLE AND HI-LO - SPEEDS IN KM/H AT 2200 RPM ENGINE

1 L Lo	1 L	2 L Lo	2 L	3 L Lo	3 L	4 L Lo	4 L	1 H Lo	1 H	2 H Lo	2 H	3 H Lo	3 H	4 H Lo	4 H
1.25	1.50	1.62	1.95	2.09	2.52	3.07	3.70	3.97	4.78	5.17	6.22	6.67	8.03	9.82	11.82

### 16 FWD + 16 REV TRANSMISSION WITH SHUTTLE AND CREEPER - SPEEDS IN KM/H AT 2200 RPM ENGINE

1 L Cr	2 L Cr	3 L Cr	4 L Cr	1 L	1 H Cr	2 L	2 H Cr	3 L	3 H Cr	4 L	4 H Cr	1 H	2 H	3 H	4 H
0.43	0.56	0.73	1.07	1.50	1.84	1.95	2.39	2.52	3.08	3.70	4.20	4.78	6.22	8.03	11.82

<b>REAR P.T.O.</b>	
Clutch	oil-immersed multi-disc
Speeds	rpm 540-540 ECO
Operation	hydraulic servo
<b>BRAKES AND STEERING</b>	
Steering clutches	oil-immersed multi-disc with hydrostatic servo
Steering brakes	oil-immersed band type with hydraulic servo
Clutch-brake control	sequential, via levers under the instrument panel
Service brakes	pedal operated
<b>HYDRAULIC LIFT</b>	
Rear lift	mechanical with draft, position and mix control
Maximum lifting capacity	kg 3000
Rated flow of pumps	l/min. 50 + 24 with dual pump
Auxiliary spool valves	n° ports 6/8 with flow control, duplicated at front
Heavy Duty three point linkage (lift links and top link)	with fixed link ends with auto hitch link ends
<b>DRIVING POSITION</b>	
Platform	suspended on silent-block mounts
Roll Over Protective Structure	folding
Shift levers	right of driving seat
Shuttle lever	right of driving seat
Driving seat	mechanically adjustable with seat belt air suspension with seat belt

N.B.: REVERSE SPEEDS ARE SLIGHTLY HIGHER THAN THE CORRESPONDING FORWARD SPEEDS

The above specifications refer to the highest equipment package available. For information on equipment levels and options, refer to the current price list and contact your local dealer for details.

## TECHNICAL DATA

		C	N	M	L
<b>ENGINE</b>					
Cylinders/ Displacement	n°/cm³	<b>SDF TIER III</b>			
Air intake		3/3000			
Maximum power, homologated (2000/25/EC)	(HP/kW)	Turbo/Intercooler			
Maximum power (2000/25/EC)	(HP/kW)	82/60			
Rated engine speed	rpm	82/60			
Maximum torque	Nm	2200			
Revs at maximum torque	rpm	310			
Torque rise	%	1600			
Cooling		15,8			
Engine control (governor)		liquid-oil			
Air cleaner		electronic			
Silencer under hood		dry type with safety element and dust unloader			
Fuel tank capacity	litres	with side exhaust under footstep			
		73			
<b>TRACKS</b>					
Track chains		dry			
Rollers and track idlers		oil-immersed			
Bottom rollers	n°	4		5	
Top rollers	n°	1			
Cleats per track	n°	36		35	
Track guards	type	sheet steel			
Cleat width	mm	280		310/360 opt	
Footprint	cm²	7252		8370	
Ballast		11340			
		Heavy-duty front ballast support			
		2+2 side weights, 40 kg each			
<b>DIMENSIONS AND WEIGHTS</b>					
Length	mm	3065			
Width	mm	1180		1279	
Max. height to hood	mm	1212		1434	
Ground clearance	mm	232		1230	
Wheelbase	mm	1410		250	
Track width	mm	900		1430	
Weight with ROPS	kg	3160		1575	
		3330		1124	
		3476		1242	
		3490		3490	
<b>TRANSMISSION</b>					
Gearshift clutch		dry single-plate			
All-mechanical 8 FWD + +8 REV		4-speed with 2 ranges (minimum speed: 1.57 km/h)			
All-mechanical 12 FWD + +8 REV		4-speed with 2 ranges + creeper (minimum speed: 0.52 km/h)			
Shuttle		mechanical			

### 8 FWD + 8 REV TRANSMISSION - SPEEDS IN KM/H AT 2350 RPM

1L	2L	3L	4L	1 H	2 H	3 H	4 H
1.51	2.01	2.46	3.67	4.61	6.12	7.50	11.20

### 12 FWD + 8 REV TRANSMISSION - SPEEDS IN KM/H AT 2350 RPM

1 CRP	2 CRP	3 CRP	4 CRP	1 L	2 L	3 L	4 L	1 H	2 H	3 H	4 H
0.52	0.69	0.84	1.25	1.51	2.01	2.46	3.67	4.61	6.12	7.50	11.20

## DEALER CONTACT



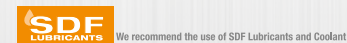
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Company with  
Quality System Certified  
in compliance with  
ISO 9001:2000



We recommend the use of SDF Lubricants and Coolant

N.B.: REVERSE SPEEDS ARE LOWER THAN THE CORRESPONDING FORWARD SPEEDS

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