

# 5C SERIES



DEUTZ-FAHR  
5090 C - 5100 C - 5110 C - 5120 C



# DEUTZ-FAHR 5C SERIES, RATIONAL VERSATILITY.

## IDEAL FOR ALL FARMS.

The 5C Series consists of four models from 89 to 118 hp, all of which offering extraordinary flexibility in terms of configuration. The unique design and style of the new 5C Series are a natural complement to its modern technical characteristics, such as to make these tractors unmistakable and ideal for all farms.

## ENGINE: SMALL ON CONSUMPTION, TOO.

The new engine of the 5C Series is the Deutz TCD 3.6 L04, a 4 cylinder 3,620 cc with turbocharger with waste-gate valve and intercooler and proportional viscous fan (optional). Compliance with Tier 4i level for polluting emissions has been achieved by the adoption of external, liquid-cooled, electronically controlled and modulated exhaust gas recirculation (EGR), in addition to a diesel oxidizing catalyst (DOC).



## IDEAL FOR FRONT LOADER USE.

The factory-fitted "Ready Kit" for installation of a front loader unleashes the full potential of a tractor-front loader combination. Together with the other unique strengths of the 5C Series "Ready Kit" makes these tractors ideal for use with DEUTZ-FAHR front loaders.

Ready kit (frame, supplementary hydraulic and electric circuits, joystick)

+ Sturdy front axle

+ 60 ECO hydraulic system (maximum delivery at 1,600 rpm)

+ High visibility roof with FOPS protective structure

+ SDD rapid steering system, which halves the number of steering wheel turns needed and cuts manoeuvre times

+ "Stop&Go" system letting the driver stop the tractor using the brake pedal only.





## TRANSMISSIONS: RELIABLE AND MODULAR.

The new 5C Series tractors are available as "LS" (mechanical reverse shuttle with new control lever under steering wheel) or "GS" (Powershuttle hydraulic reverse shuttle) versions.

The new transmissions of the 5C Series offer two tiers of options for each version; mechanical gearbox with 10 + 10 speeds or 20 + 20 speeds (with Hi-Lo) for LS versions, and 20 + 20 speeds (with Hi-Lo) or 30 + 30 speeds (with HML) for GS versions. All transmission variants are available with optional underdrive and supercreeper gears, making it possible to double the number of both forward and reverse speeds.

## HYDRAULIC SYSTEM AND LIFT: PRECISION AND EFFICIENCY.

The new 5C Series offers modular and efficient hydraulic systems. The standard equipment includes an open-centre system with 55 l/min pump, accompanied by 4-way rear distributors which can optionally be increased up to 8 (including two electronically controlled). The 60ECO option uses a mechanically controlled dual 60 l/min pump with flow regulator, for maximum delivery at an engine speed of just 1,600 rpm. The rear lift as standard has an EHR electronic control system which uses a pair of load cells situated near the lower link arms as draft sensors. The maximum lifting capacity is 3,565, 4,855 or 5,410 kg (depending on the model).

## PTO: YOU COULDN'T ASK FOR MORE.

On the 5C Series all 4 standardised speeds (540, 540ECO, 1,000 and 1,000 ECO) are available, electrohydraulically engageable with automatic load detection, in order to always ensure gradual and progressive start-up of connected equipment and fully exploit the extraordinary performances of the Deutz engine at all times. With the front lift, the front PTO can be fitted as an option, which operates at the usual 1,000 rpm. To complete the offer, the ground speed PTO with independent output shaft is available.

## CONCEIVED FOR WORKING IN TOTAL SAFETY.

Safety was a top priority in the development of the 5C Series.

Some of the features demonstrating this are:

- Braking action on all 4 wheels
- park brake
- unobstructed 360° visibility, with 4-pillar cab structure and low profile cowl
- ergonomic driver area
- safety system preventing accidental activation of lift, hydraulics and PTO.



TECHNICAL DATA		5C SERIES			
		5090C	5100C	5110C	5120C
<b>ENGINE</b>					
Emissions		Tier 4i	Tier 4i	Tier 4i	Tier 4i
Manufacturer		Deutz	Deutz	Deutz	Deutz
Cylinders/Capacity/Valves	n°/cm³/n°	4/3,620/2	4/3,620/2	4/3,620/2	4/3,620/2
Common Rail	bar	1,600	1,600	1,600	1,600
Turbo Intercooler		●	●	●	●
Maximum power (ECE R 120) @2,000 rpm	kW/HP	65.5/89	72.5/99	81/110	87/118
Maximum power at rated speed (ECE R 120) @2,200 rpm	kW/HP	62.5/85	69.5/95	77/105	83/113
Max. torque (@ 1,600 rpm)	Nm	358	397	440	460
Torque rise	%	32	32	32	28
<b>TRANSMISSION</b>					
Maximum speed	Km/h	40/40ECO	40/40ECO	40/40ECO	40/40ECO
Mechanical Shuttle		●	●	●	-
Electrohydraulic power shuttle		-	○	○	●
<b>MECHANICAL GEARBOX</b>					
Number of speeds	No.	10+10	10+10	10+10	-
Number of speeds with supercreeper gear and underdrive	No.	20+20	20+20	20+20	-
<b>HI-LO GEARBOX</b>					
Number of Powershift speeds	No.	2	2	2	2
Number of speeds	No.	20+20	20+20	20+20	20+20
Number of speeds with supercreeper gear and underdrive	No.	40+40	40+40	40+40	40+40
<b>POWERSHIFT TRANSMISSION</b>					
Number of Powershift speeds	No.	-	3	3	3
Number of speeds	No.	-	30+30	30+30	30+30
Number of speeds with supercreeper gear and underdrive	No.	-	60+60	60+60	60+60
<b>PTO</b>					
P.T.O. 540/540ECO		●	●	●	●
P.T.O. 540/540ECO/1,000/1,000ECO		○	○	○	○
Ground speed P.T.O.		○	○	○	○
Front P.T.O. 1,000		○	○	○	○
<b>FRONT AND REAR AXLE</b>					
DT Front wheel drive electrohydraulically engaged		●	●	●	●
Electrohydraulically operated differential lock		●	●	●	●
<b>BRAKES</b>					
Braking action on all 4 wheels		●	●	●	●
Park Brake		-	○	○	○
<b>LIFT</b>					
Rear lift electronic		●	●	●	●
Rear lift capacity (std/opt)	Kg	3,565/4,855	4,855	4,855/5,410	5,410
Front lift		○	○	○	○
Front lifting capacity	Kg	1,850	1,850	1,850	1,850
<b>HYDRAULIC SYSTEM</b>					
Pump delivery (std)	l/min	55	55	55	55
Pump delivery (opt)	l/min	60 ECO	60 ECO	60 ECO	60 ECO
Auxiliary rear hydraulic distributors (std)	No. of ways	4	4	4	6
Auxiliary rear hydraulic distributors (opt)	No. of ways	6/8	6/8	6/8	8
<b>CAB</b>					
Air conditioning		○	○	○	○
High visibility roof		○	○	○	○
Driver seat with mechanical suspension		●	●	●	●
Driver seat with air sprung suspension		○	○	○	○
Passenger seat		○	○	○	○
Opening windscreen		○	○	○	○
<b>DIMENSIONS AND WEIGHTS</b>					
Standard rear tyres		420/85 R34"	480/70 R34"	480/70 R34"	480/70 R34"
Max. length with coupling bars	mm	4,145	4,145	4,145	4,145
Width (min./max.)	mm	2,060-2,345	2,060-2,345	2,060-2,345	2,060/2,420
Wheelbase (4WD/2WD)	mm	2,370/2,330	2,370	2,370/2,330	2,370/2,330
Weight	Kg	4,300	4,400	4,400	4,400

STD ● OPT ○

Dealer



Deutz-Fahr recommends original lubricants and coolants.

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Technological Innovation Award  
Agritechnica 2013

