6G SERIES

DEUTZ-FAHR
6135G - 6155G - 6175G - 6185G - 6205G
AGROTRON

EFFICIENCY, PRODUCTIVITY AND DESIGN.

With a choice of five new models with power outputs from 130 to 200 HP, the new DEUTZ-FAHR 6G Series answers the demands of customers in need of a tractor that not only delivers superlative productivity at an unbeatable cost, but also offers unparalleled ease of use and simplified maintenance. These tractors are the perfect combination of remarkable elements to exceed all expectations with tried and tested Stage III A compliant 6 cylinder Deutz engines, matched with highly efficient ZF transmissions and class-beating hydraulic systems. This formidable package is equipped with an eye-catching design, and the DEUTZ-FAHR brand, a guarantee of genuine German quality.

ENGINE

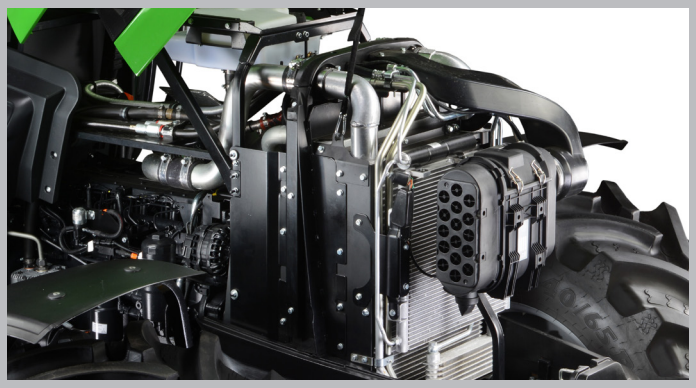
Numerous solutions, from the electronically controlled DCR (Deutz Common Rail) injection system and turbocharged forced induction with intercooler and wastegate to the optimised position of the injector in the head, contribute to the outstanding efficiency and reliability of Deutz TCD 2012 engines. We have as a result of these choices, extremely low consumption values, enhanced torque and power delivery, tailored specifically for agricultural applications. The 6G Series is equipped as standard with a high filtration capacity Donaldson PowerCore air filter, an all-aluminium cooling system and a generously sized fuel tanks with a total capacity of 345 litres and protected against damage by robust pressed steel guards.

TRANSMISSION

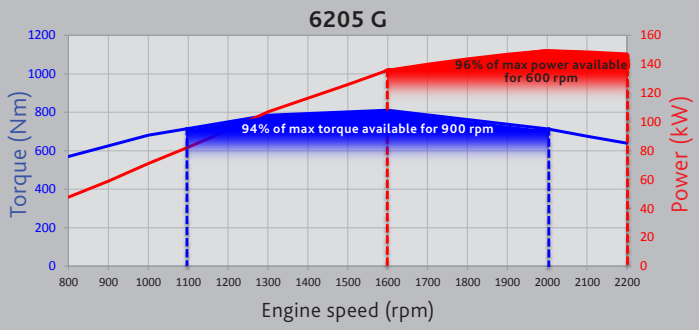
These tractors are available with a transmission based on a 4 speed gearbox, for a total of 24 forward speeds and 12 reverse speeds (while the addition of a creeper gear doubles the number of ratios available and offers a minimum groundspeed of just 370 m/h), or with a 5 speed gearbox, for a total of 30+15 speeds (or 54+27 with creeper gear), which makes driving at maximum speed (with a theoretical top speed of 75 km/h) even more economical. RCshift versions offer fully robotised shift capability, with exclusive software developed by DEUTZ-FAHR allowing the transmission to select any of the ratios available automatically. These versions also allow both semi-automatic and manual shifting, however, with proportional solenoid actuators, and also offering the added efficiency of a Powershift range gearbox.

HYDRAULIC SYSTEM AND LIFT

Four different options for the hydraulic system let customers configure a system that meets their needs exactly: with a choice of 84 and 110 l/min versions (90 and 115 l/min on 6185G and 6205G models), or 120 and 160 l/min Load Sensing versions (125 and 165 l/min on 6185G and 6205G models). Depending on the hydraulic system version chosen, the tractor may be equipped with 4 to 8 way rear distributors, which may be configured with spring, float and flow regulation functions. Maximum lifting capacity is 9700 kg for the rear lift and 3850 kg for the optional front lift.



Under the hood all pipes and wiring harness have been organized and placed in a very functional and rational way.



96% of maximum power available from 1600 rpm.
Completely flat torque curve over an engine speed range of 900 rpm (from 1100 to 2000 rpm): almost maximum torque on tap across the entire operating range of the engine.

rpm	5 F	5 E	5 D	5 C
50 km/h	1447	1704	1988	-
40 km/h	1158	1363	1612	1899

This engine delivers extraordinary torque even at the lowest engine speeds. On the 6205G, for example, the generous torque of the engine makes the tractor capable of maintaining a ground speed of 40 km/h at just 1158 rpm, with 94% of maximum torque already available.

AXLES AND BRAKES

The hydropneumatic front axle suspension system features a number of functions: adaptive damping stiffness control in relation to terrain conditions; load-dependant self-levelling; anti-dive and anti-rise, which stiffen the suspension under acceleration and braking to increase driver comfort; active anti-dumping, which continuously controls the suspension to limit pitching. The heavy duty rear axles of these tractors are equipped with a potent new multiple wet disc braking system with Powerbrake, a power assistance system that reduces the pedal force necessary to operate the brakes and permits up to 10 emergency brake applications, even after the engine has been switched off.

DRIVER SEAT AND TECHNOLOGY

DEUTZ-FAHR has focused on creating a highly configurable driver zone that offers supreme ergonomics and comfort. The new InfoCentre provides the driver with the clear, precise information needed to keep all operating parameters of these tractors under control at all times. 6G Series tractors may be automated even further with the addition of the Agrosky satellite guidance system, which, with an improved accuracy of just ±2 cm, possesses the extreme precision necessary for automatic steering control.

TECHNICAL DATA		6G SERIES				
		6135G	6155G	6175G	6185G	6205G
ENGINE						
Manufacturer		Deutz	Deutz	Deutz	Deutz	Deutz
Model		TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V	TCD 2012 L06 2V
Emissions		Stage III A	Stage III A	Stage III A	Stage III A	Stage III A
Internal EGR		●	●	●	●	●
Cylinder/Displacement	No./cm³	6/6057	6/6057	6/6057	6/6057	6/6057
Turbo intercooler		●	●	●	●	●
Wastegate valve		●	●	●	●	●
Deutz Common Rail (DCR)	bar	1600	1600	1600	1600	1600
Power at rated engine speed (ECE R 120)	kW/HP	97/131	111/152	126/171	134/183	147/200
Max. power (ECE R 120)	kW/HP	104/141	120/163	130/177	140/190	149/203
Maximum torque	Nm	599	659	730	770	810
Engine speed at maximum torque	rpm	1400	1400	1600	1600	1600
Torque rise	%	36	33	26	32	27
Air filter with PowerCore		●	●	●	●	●
Fuel tank capacity (standard)	litres	250	250	250	345	345
Additional tank capacity (optional)	litres	95	95	95	-	-
TRANSMISSION						
Manufacturer		ZF	ZF	ZF	ZF	ZF
Model (Manual / Full Robotized)		TPT16 / -	TPT16 / -	TPT18 / -	TPT18 / TPT18 RCshift	TPT20 / TPT20 RCshift
Number of speeds (4x6/5x6)	No.	24+12/30+15	24+12/30+15	24+12/30+15	- /30+15	- /30+15
Number of speeds with supercreeper gear (4x6/5x6)	No.	48+24/54+27	48+24/54+27	48+24/54+27	- /54+27	- /54+27
Powershift number of speeds (front/rear)	No.	6/3	6/3	6/3	6/3	6/3
Minimum speed with supercreeper gear	km/h	0,37	0,37	0,37	0,41	0,41
Max speed (4x6)	km/h@rpm	35@2100	35@2100	35@2100	-	-
Max speed (5x6)*	km/h@rpm	40@1575 / 50@1969	40@1575 / 50@1969	40@1575 / 50@1969	40@1490 / 50@1863	40@1490 / 50@1863
Max speed (5x6 RCshift)*	km/h@rpm	-	-	-	40@1158 / 50@1447	40@1158 / 50@1447
Automatic Powershift (APS)		○	○	○	●	●
PTO						
PTO 540/540ECO/1000/1000ECO		●	●	●	●	●
AUTO PTO		●	●	●	●	●
Front PTO 1000		○	○	○	○	○
AXLES AND BRAKES						
Limited slip (45%) diff. lock		●	●	●	●	●
Front axle with 100% diff. Lock		○	○	○	○	○
Electrohydraulically operated differential lock and 4WD (ASM)		○	○	○	○	○
Four-wheel braking system with automatic 4WD engagement		●	●	●	●	●
Powerbrake		○	○	○	●	●
Mechanical parking brake		●	●	●	●	●
Hydraulic trailer braking valve		○	○	○	○	○
Pneumatic trailer braking valve		○	○	○	○	○
Adaptive front axle suspension		○	○	○	○	○
Steering pump capacity	l/min	42	42	42	42	42
Steering angle		52°	52°	52°	52°	52°
HYDRAULIC SYSTEM						
Fixed displacement pump (standard)	l/min	84	84	84	90	90
Fixed displacement pump (optional)	l/min	110	110	110	115	115
Variable displacement pump (Load Sensing) (standard)	l/min	120	120	120	125	125
Variable displacement pump (Load Sensing) (optional)	l/min	160	160	160	165	165
Auxiliary rear mechanical distributors (standard)	No.	2	2	2	2	2
Auxiliary rear mechanical distributors (optional)	No.	3/4	3/4	3/4	3/4	3/4
Power beyond		○	○	○	○	○
LIFT						
Electronically controlled rear lift		●	●	●	●	●
Rear lift capacity, two external cylinders 80 mm (standard)	kg	6200	6200	6200	6200	6200
Rear lift capacity, two external cylinders 100 mm (optional)	kg	9700	9700	9700	9700	9700
Controls on mudguard		●	●	●	●	●
Front lifting capacity	kg	3850	3850	3850	3850	3850
CAB						
PowerVision Cab		●	●	●	●	●
iMonitor² (8")		○	○	○	○	○
Mechanical cab suspension		○	○	○	○	○
Air conditioning		●	●	●	●	●
Telescopic external mirrors		●	●	●	●	●
Halogen work lights		●	●	●	●	●
LED work lights		○	○	○	○	○
DIMENSIONS AND WEIGHTS						
With front tyres		540/65R28	540/65R28	540/65R28	540/65R30	540/65R30
With rear tyres		650/65R38	650/65R38	650/65R38	650/65R42	650/65R42
Wheelbase (fixed / suspended)	mm	2820 / 2767	2820 / 2767	2820 / 2767	2820 / 2767	2820 / 2767
Length (min-max)	mm	4710 - 6055	4710 - 6055	4710 - 6055	4710 - 6055	4710 - 6055
Height (min-max)	mm	2932 - 3171	2932 - 3171	2932 - 3171	3032 - 3221	3032 - 3221
Width	mm	2543	2543	2543	2541	2541
Ground clearance (min-max)	mm	654 - 722	654 - 722	654 - 722	704 - 772	704 - 772
Total unladen weight (min-max)	kg	6267 - 7307	6267 - 7307	6267 - 7307	6657 - 7704	6657 - 7704
Maximum permissible total weight	kg	11500	11500	11500	12500	12500

*Max speed of 50 km/h where permitted. Max 40/50 km/h at low rpm according to tyres size.

STD ● OPT ○ Not available -

Technical specifications and images are purely indicative. Committed to delivering a product more and more in line with your needs, DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice.

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Dealer

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