



6G SERIES

DEUTZ-FAHR  
6135G - 6155G - 6185G - 6205G  
POWERVISION





# 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.



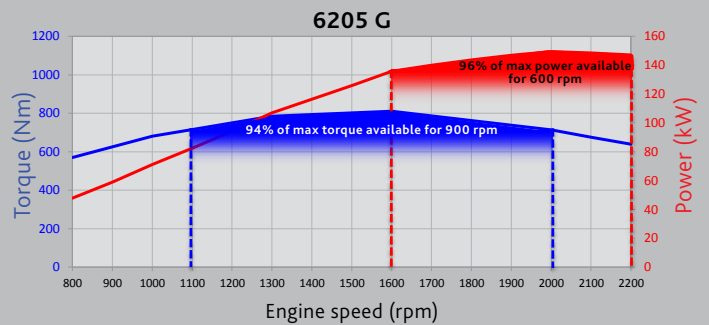
Under the hood all pipes and wiring harness have been organized and placed in a very functional and rational way.

## 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.



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  $\pm 2$  cm, possesses the extreme precision necessary for automatic steering control.



# TECHNICAL DATA

# 6G SERIES

## 6135G

## 6155G

## 6185G

## 6205G

| ENGINE  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
|---|---------------------|-------------------|-------------------|-----------------------|-----------------------|
| Manufacturer  |                     | Deutz             | Deutz             | Deutz                 | Deutz                 |
| Model   |                     | 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           |
| Internal EGR  |                     | ●                 | ●                 | ●                     | ●                     |
| Cylinder / Displacement                                       | No./cm <sup>3</sup> | 6/6057            | 6/6057            | 6/6057                | 6/6057                |
| Turbo intercooler   |                     | ●                 | ●                 | ●                     | ●                     |
| Wastegate valve   |                     | ●                 | ●                 | ●                     | ●                     |
| Deutz Common Rail (DCR)                                       | bar                 | 1600              | 1600              | 1600                  | 1600                  |
| Power at rated engine speed (ECE R 120)                       | kW/HP               | 97/131            | 111/152           | 134/183               | 147/200               |
| Max. power (ECE R 120)  | kW/HP               | 104/141           | 120/163           | 140/190               | 149/203               |
| Maximum torque  | Nm                  | 599               | 659               | 770                   | 810                   |
| Engine speed at maximum torque                                | rpm                 | 1400              | 1400              | 1600                  | 1600                  |
| Torque rise   | %                   | 36                | 33                | 32                    | 27                    |
| Air filter with PowerCore                                     |                     | ●                 | ●                 | ●                     | ●                     |
| Fuel tank capacity (standard)                                 | litres              | 250               | 250               | 345                   | 345                   |
| Additional tank capacity (optional)                           | litres              | 95                | 95                | -                     | -                     |
| TRANSMISSION  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| Manufacturer  |                     | ZF                | ZF                | ZF                    | ZF                    |
| Model (Manual / Full Robotized)                               |                     | TPT16 / -         | TPT16 / -         | TPT18 / TPT18 RCshift | TPT20 / TPT20 RCshift |
| Number of speeds (4x6/5x6)                                    | No.                 | 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       | - /54+27              | - /54+27              |
| Powershift number of speeds (front/rear)                      | No.                 | 6/3               | 6/3               | 6/3                   | 6/3                   |
| Minimum speed with supercreeper gear                          | km/h                | 0,37              | 0,37              | 0,41                  | 0,41                  |
| Max speed (4x6)   | km/h@rpm            | 35@2100           | 35@2100           | -                     | -                     |
| Max speed (5x6)*  | km/h@rpm            | 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   |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| PTO 540/540ECO/1000/1000ECO                                   |                     | ●                 | ●                 | ●                     | ●                     |
| AUTO PTO  |                     | ●                 | ●                 | ●                     | ●                     |
| Front PTO 1000  |                     | ○                 | ○                 | ○                     | ○                     |
| AXLES AND BRAKES  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| 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                    |
| Steering angle  |                     | 52°               | 52°               | 52°                   | 52°                   |
| HYDRAULIC SYSTEM  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| Fixed displacement pump (standard)                            | l/min               | 84                | 84                | 90                    | 90                    |
| Fixed displacement pump (optional)                            | l/min               | 110               | 110               | 115                   | 115                   |
| Variable displacement pump (Load Sensing) (standard)          | l/min               | 120               | 120               | 125                   | 125                   |
| Variable displacement pump (Load Sensing) (optional)          | l/min               | 160               | 160               | 165                   | 165                   |
| Auxiliary rear mechanical distributors (standard)             | No.                 | 2                 | 2                 | 2                     | 2                     |
| Auxiliary rear mechanical distributors (optional)             | No.                 | 3/4               | 3/4               | 3/4                   | 3/4                   |
| Power beyond  |                     | ○                 | ○                 | ○                     | ○                     |
| LIFT  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| Electronically controlled rear lift                           |                     | ●                 | ●                 | ●                     | ●                     |
| Rear lift capacity, two external cylinders 80 mm (standard)   | kg                  | 6200              | 6200              | 6200                  | 6200                  |
| Rear lift capacity, two external cylinders 100 mm (optional)  | kg                  | 9700              | 9700              | 9700                  | 9700                  |
| Controls on mudguard  |                     | ●                 | ●                 | ●                     | ●                     |
| Front lifting capacity  | kg                  | 3850              | 3850              | 3850                  | 3850                  |
| CAB   |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| PowerVision Cab   |                     | ●                 | ●                 | ●                     | ●                     |
| iMonitor <sup>2</sup> (8")                                    |                     | ○                 | ○                 | ○                     | ○                     |
| Mechanical cab suspension                                     |                     | ○                 | ○                 | ○                     | ○                     |
| Air conditioning  |                     | ●                 | ●                 | ●                     | ●                     |
| Telescopic external mirrors                                   |                     | ●                 | ●                 | ●                     | ●                     |
| Halogen work lights   |                     | ●                 | ●                 | ●                     | ●                     |
| LED work lights   |                     | ○                 | ○                 | ○                     | ○                     |
| DIMENSIONS AND WEIGHTS  |                     | 6135G             | 6155G             | 6185G                 | 6205G                 |
| With front tyres  |                     | 540/65R28         | 540/65R28         | 540/65R30             | 540/65R30             |
| With rear tyres   |                     | 650/65R38         | 650/65R38         | 650/65R42             | 650/65R42             |
| Wheelbase (fixed / suspended)                                 | mm                  | 2820 / 2767       | 2820 / 2767       | 2820 / 2767           | 2820 / 2767           |
| Length (min-max)  | mm                  | 4710 - 6055       | 4710 - 6055       | 4710 - 6055           | 4710 - 6055           |
| Height (min-max)  | mm                  | 2932 - 3171       | 2932 - 3171       | 3032 - 3221           | 3032 - 3221           |
| Width   | mm                  | 2543              | 2543              | 2541                  | 2541                  |
| Ground clearance (min-max)                                    | mm                  | 654 - 722         | 654 - 722         | 704 - 772             | 704 - 772             |
| Total unladen weight (min-max)                                | kg                  | 6267 - 7307       | 6267 - 7307       | 6657 - 7704           | 6657 - 7704           |
| Maximum permissible total weight                              | kg                  | 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. DEUTZ-FAHR reserves the right to make updates at any time and without prior notice. For standard equipment and options refer to the current price list and ask your local dealer for details.

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