

SERIES 51B

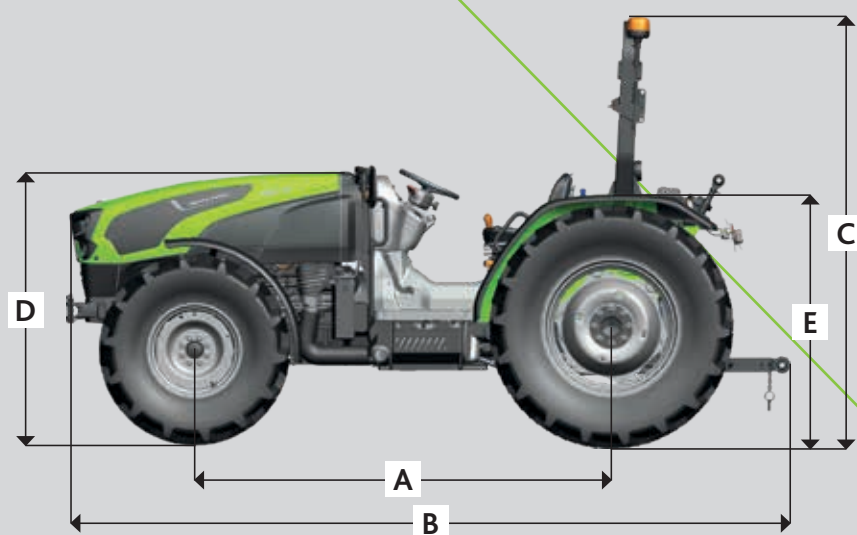
5105 TB // 5115 TB

STAGE V



**DEUTZ
FAHR**

| TECHNICAL DATA | | SERIES 5 TB | |
|---|----------|-------------------------|----------|
| | | 5105 TB | 5115 TB |
| ENGINE | | | |
| Model | | FARMotion 45 | |
| Emission level | | Stage V | |
| Cylinders/Displacement | n°/cc | 4/3849 | |
| Turbocharger with charge air cooling | | ● | |
| Visco cooling fan | | ● | |
| Injection @ pressure | Type/bar | Common Rail @ 2,000 | |
| Max. power (ECE R120) | kW/HP | 78/106 | 85/116 |
| Power at rated speed (ECE R120) | kW/HP | 74/101 | 80.6/110 |
| Speed at maximum power | rpm | 2000 | |
| Max. engine speed (rated) | rpm | 2200 | |
| Max. torque | Nm | 433 | 472 |
| Speed at maximum torque | rpm | 1400 | |
| Air filter with dust ejector | | ● | |
| Fuel tank capacity | l | 85 | |
| AdBlue capacity | l | 10 | |
| Oil change interval | Hours | 600 | |
| TRANSMISSION | | | |
| Model | | T4330 | |
| Transmission ratio | | 1.317 | |
| MECHANICAL SHUTTLE | | | |
| Gearbox | n° | 5 gears x 2 or 4 ranges | |
| N° of speed with 2 ranges | n° | 10+10 | |
| N° of speed with 2 ranges and 2 Powershift steps | n° | 20+20 | |
| N° of speed with 4 ranges | n° | 20+20 | |
| N° of speed with 4 ranges and 2 Powershift steps | n° | 40+40 | |
| Top speed 40 km/h ECO | rpm | 1990* | |
| POWERSHUTTLE | | | |
| Gearbox | n° | 5 gears x 4 ranges | |
| N° of speed with 4 ranges | n° | 20+20 | |
| N° of speed with 4 ranges and 2 Powershift steps | n° | 40+40 | |
| Stop&Go | | ● | |
| Top speed 40 km/h ECO | rpm | 1990* | |
| HYDRAULICS AND LINKAGE | | | |
| Pump flow (STD) | l/min | 55 | |
| Separate steering pump | | ● | |
| Spool valves control | Type | Mechanical | |
| Hydraulic auxiliary control valves (STD) | n° | 2 | |
| Hydraulic auxiliary control valves (OPT) | n° | 3 | |
| Rear linkage lifting capacity (STD) | Kg | 3600 | |
| Rear linkage lifting capacity (OPT) | Kg | 4525 | |
| Rear linkage lift category | | II | |
| External operation on rear fenders | | ○ | |
| Front linkage | | ○ | |
| Front linkage lifting capacity | Kg | 2100 | |
| Oil change interval | Hours | 1200 | |
| PTO | | | |
| Rear PTO 540/540ECO | | ● | |
| Rear PTO 540/540ECO/1000/1000ECO | | ○ | |
| Groundspeed PTO with independent shaft | | ○ | |
| Front PTO 1000 | | ○ | |
| AXLES AND BRAKES | | | |
| Electro-hydraulic differential lock 100% | | ● | |
| Steering Double Displacement SDD | | ○ | |
| Steering angle | degrees | 50 | |
| Mechanical parking brake | | ● | |
| Hydraulic trailer brake with Dual Mode function | | ○ | |
| ABS socket | | ○ | |
| ELECTRICAL SYSTEM | | | |
| Voltage | V | 12 | |
| Standard battery | V/Ah | 12/88 | |
| Alternator | V/A | 12/65 | |
| Starter motor | V/kW | 12/3.5 | |
| External socket | | ● | |
| DRIVING POSITION | | | |
| Platform with tunnel | | ● | |
| 2-post foldable safety frame | | ● | |
| Mounted on Silent-Block | | ● | |
| Driver seat with mechanical suspension | | ● | |
| Height adjustment of steering column | | ● | |
| 2x repeater/work lights on dashboard | | ○ | |
| 1x Beacon light LED | | ○ | |
| LED driving light | | ○ | |
| Large rear mirrors installed in front of drivers platform | | ○ | |



| TECHNICAL DATA | | SERIES 5 TB | |
|-------------------------|------|-------------|---------|
| | | 5105 TB | 5115 TB |
| DIMENSIONS AND WEIGHTS | | | |
| With front tyre | Size | 300/70 R20 | |
| With rear tyre | Size | 420/70 R24 | |
| Wheelbase (A) | mm | 2400 | |
| Max. length (B) | mm | 4117 | |
| Total height - ROPS (C) | mm | 2395 | |
| Height at bonnet (D) | mm | 1470 | |
| Height at mudguards (E) | mm | 1364 | |
| Width (F) | mm | 1940 | |
| Weight | Kg | 3400 | |
| Total admissible load | Kg | 6400 | |

● = standard ○ = option – = not available

* value can vary according to rear tyre size and transmission equipment.

Technical data and figures are only provided for guidance. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

HIGHLIGHTS

The models of the 5 TB Series feature a low profile structure making them ideal for working in olive groves and fruit orchards, where the low hanging branches of the plants make it necessary to work with lower machines which can manoeuvre easily under the canopy. Extremely intuitive and simple to use, 5 TB Series tractors are also invaluable workmates in hilly terrain, where low centre of gravity offers significantly greater safety than a conventional tractor. The extraordinarily sturdy construction and impressive capacity (up to 4525 Kg) of the rear lift equipping the 5 TB Series make these tractors capable of working with implements normally only usable on tractors belonging to higher power categories.

ENGINE

The 5105 TB and 5115 TB boast maximum power outputs of 106 and 116 HP respectively, delivered by extremely efficient and reliable state of the art FARMotion 45 engines. As on the previous generation of models, FARMotion 45 engines were developed specifically for agricultural use, and feature torque and power curves optimised for these applications. Compliance with the strictest Stage V emissions regulations is attained with a suite of solutions consisting of an external, cooled EGR circuit, a DOC catalytic converter and an SCR catalytic converter with integrated DPF, optimised not only to minimise fuel consumption but also for compactness, contributing to the agility of the tractor.

TRANSMISSION AND PTO

The DEUTZ-FAHR 5105 TB and 5115 TB offer a comprehensive choice of transmission configurations, consisting of a base 10+10 speed variant (homologated for 40 km/h) with a mechanical reverse shuttle, and 20+20 or 40+40 speed versions with 2 Powershift ratios (Hi-Lo) and a hydraulic reverse shuttle. Regardless of the number of speeds available, all versions with hydraulic reverse shuttle come as standard with the Stop&Go system, which lets the driver stop the tractor, hold it in a stationary position and set off again simply with the brake pedal, without having to use the clutch pedal. The tractors of the 5 TB family also offer unrivalled versatility in terms of PTO configuration, and are available with all four universal speed modes, interchangeable output stub shafts, a groundspeed PTO synchronised with the transmission with dedicated shaft and a front PTO.

HYDRAULICS

The hydraulic system of the 5105 TB and 5115 TB features two pumps, with a primary pump with a capacity of 55 l/min dedicated to the distributors and lift and a secondary pump feeding the steering system only. This solution ensures impeccably smooth hydraulic steering action at all times, even at low engine speeds while the hydraulic distributors and lift are also in use. Up to 6 rear hydraulic couplers are available, with push-pull quick connectors and an oil drip collection tray. The rear lift has a maximum load capacity of 4525 Kg, while the optional front lift has a capacity of 2100 Kg.

AXLES


Developed and manufactured specifically for this class of tractor, the sturdy front axles feature integrated wet disc brakes to offer all the safety of true all-wheel braking. All tractors come as standard with electro-hydraulically lockable front and rear differentials for sure-footed traction even in the most challenging conditions. The optional SDD system, on the other hand, lets the driver halve the number of steering wheel turns needed to perform a 180° turn by simply pressing a button.

DRIVING POSITION

The lowered driver platform is installed on Silent-Block mounts to isolate the operator from engine and transmission vibration. These tractors are equipped as standard with electronic controls for engaging the PTO and differential locks and for the hand throttle. A choice of two different sturdy two-pillar rear roll bars is offered. Both of which are folding, making it easier to park the tractor in spaces with limited headroom.



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