

6.4 SERIES

The first cross-farming tractor



6130.4 - 6140.4 - 6150.4
RVshift - TTV
STAGE V

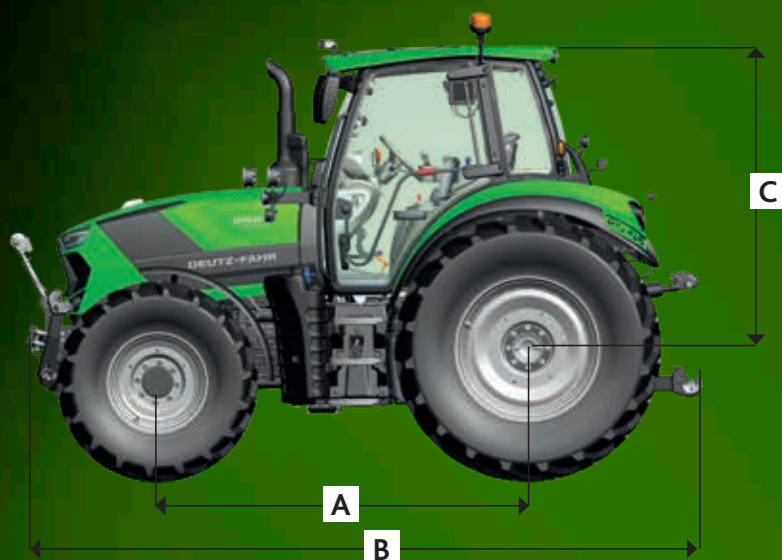


TECHNICAL DATA		RVSHIFT			TTV		
		6130.4	6140.4	6150.4	6130.4	6140.4	6150.4
ENGINE							
Type		FARMotion 45			FARMotion 45		
Emission level	Stage	Stage V			Stage V		
Cylinder / Displacement	n°/cc	4 / 3849			4 / 3849		
Bore / Stroke	mm	103 x 115,5			103 x 115,5		
Aspiration		VTG Turbo Intercooler			VTG Turbo Intercooler		
Injection @ pressure	Type	Common Rail @ 2.000			Common Rail @ 2.000		
Rated power @ 2.200 rpm	kW/HP	94,8 / 129	105,4 / 139	109,1 / 148	94,8 / 129	105,4 / 139	109,1 / 148
Max power @ 2.000 rpm	kW/HP	100 / 136	108 / 147	115 / 156	100 / 136	108 / 147	115 / 156
Max. torque @ 1.400 rpm	Nm	577	622	663	577	622	663
Torque rise	%	40	40	40	40	40	40
e-VISCO cooling fan		●			●		
Fuel tank / AdBlue	l	260 / 25			260 / 25		
EAT	System	DOC + DPF + SCR			DOC + DPF + SCR		
TRANSMISSION							
SDF transmission	Type	SDF T5560 RVS			SDF T5560 CVT		
PowerShuttle	Type	● (with 5 different settings)			● (with 5 different settings)		
RVSHIFT							
Gearbox		RVSHIFT - Full powershift concept			-		
N° of speed	n°	20 + 16			-		
Creeper		○ (0,02 - 5,00 kph)			-		
Stop&Go		● (with advanced functionality)			-		
Automatic powershift (APS)		●			-		
Additional functionalities		● (3 jolly buttons, 1 jolly thumbwheel)			-		
TTV							
Gearbox		-			TTV – Stepless transmission		
2 cruise control		-			●		
PowerZero function		-			●		
ComforTip function		-			●		
Additional functionalities		-			● (2 jolly buttons)		
PTO							
Electrohydraulic engagement		●			●		
540/1000		●			-		
540/540ECO/1000		○			●		
Groundspeed PTO		○			○		
Front PTO 1000		○			○		
LIFT							
Electronic rear lift		●			●		
Rear lifting capacity (STD)	Kg	up to 5870			up to 5870		
Rear lifting capacity (OPT)	Kg	up to 9170			up to 9170		
Rear lift category	Cat.	IIIN			IIIN		
Front lift		○			○		
Front lift capacity	Kg	3.000			3.000		
HYDRAULIC							
Pump flow (STD)	l/min	90			120 LS		
Pump flow (OPT)	l/min	120 LS			-		
Rear spool valves	n°	3 4			4 5		
Power Beyond		○			○		
Front spool valve	n°	1			1		
Mechanical spool valves	Type	●			-		
Mixed spool valves	Type	○			●		
Electronic spool valves	Type	-			○		
BRAKES							
Mechanic Parking Brake		●			●		
Electronic Parking Brake (EPB)		○			○		
Hydraulic trailer brake		○			○		
Pneumatic trailer brake		○			○		
ABS socket		○			○		
Hydraulic Engine Brake HEB		○			○		
FRONT AXLE							
Front axle	Size	2.7			2.7		
Front axle suspension		○			○		
Steering angle	°	50			50		
Independent steering pump		●			●		
EasySteer (with Performance Steering predisposition)		○			○		
ASM system		○			○		
Elec. 4WD & Diff. Lock engagement		●			●		

● = standard ○ = option - = not available

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.

TECHNICAL DATA		RVSHIFT			TTV		
		6130.4	6140.4	6150.4	6130.4	6140.4	6150.4
CAB							
MaxiVision			●			-	
MaxiVision ⁺			○			●	
MaxiVision ^{pro}			-			○	
High visibility roof			○			○	
Hydro Silent-Block suspension			●			●	
Mechanical cab suspension			○			○	
Pneumatic cab suspension			○			○	
Openable front window			○			○	
Rear window with defrost			○			○	
Manual A/C			●			●	
Automatic A/C			○			○	
Pneumatic suspended seat			●			●	
Passenger seat			●			●	
External controls for PTO / lift			●			●	
External controls for PTO / lift / valve			○			○	
iMonitor			○			○	
LED working lights			○			○	
Bracket for external monitor / device			○			○	
DAB+ radio with Bluetooth			○			○	
USB sockets			○			○	



TECHNICAL DATA		RVSHIFT			TTV		
		6130.4	6140.4	6150.4	6130.4	6140.4	6150.4
DIMENSION							
With rear tyre	Size	650/65 R38"			650/65 R38"		
Wheelbase (A)	mm	2562			2562		
Max. length (B)	mm	4636			4636		
Centre rear axle – cab (C)	mm	2095			2095		
Total height	mm	2970			2970		
Tracks (Front Rear) (D)	mm	1890 1886			1890 1886		
Width (E)	mm	2563			2563		
Weight	Kg	6500			6500		
Front admissible load	Kg	4500			4500		
Rear admissible load	Kg	6500			6500		
Total admissible load	Kg	10500			10500		

Highlights

The all-new family members of the 6.4 Series cover the 130 to 150 HP power range and combine efficiency, compact dimensions, lightweight, agility and comfort with hallmark German quality and technology. The new Series consists of three power variants (6130.4 – 6140.4 – 6150.4), all sharing a contemporary, eye-catching and compact design. Boasting maximum power outputs of 136, 147 and 156 HP respectively, all three variants are offered with a choice of two transmission types: the innovative RVshift with its Full-Powershift concept and the TTV continuously variable transmission. The class-beating technological features of the 6.4 Series make it the perfect choice for any operator who needs a machine capable of tackling a wide variety of tasks, from soil preparation and hay-making, from general farm duty with a front loader or mixer trailer to high speed road transport and from stationary PTO tasks to road maintenance and snow-clearing use.

PERFORMANCE:

The new 4-cylinder FARMotion 45 engine combines outstanding reliability and efficiency with extremely low operating costs. Contributing to the extraordinary efficiency of the engine is an electronically controlled high pressure Common Rail fuel injection system. Common Rail not only maximises torque and power delivery and allows for a flat torque curve but also optimises fuel combustion, reducing both consumption and noise. The electronically managed VTG variable turbocharger geometry ensures lag-free response to changes in load, while the electronically controlled viscostatic fan reduces power losses and fuel consumption. Much of the maximum power and torque available are on tap across a wide range of engine speeds, for excellent performance in any application.

EFFICIENCY:

The new models of the DEUTZ-FAHR 6.4 Series are available with a choice of two different transmission types. The first option is the RVshift transmission, an award winning (EIMA Technical Innovation 2022) state of the art and intuitive Full-Powershift concept, allowing the operator to shift between any of the 20 forward and 16 reverse speeds available with no interruption in power delivery. As standard, the RVSHIFT models are capable of working within a range of speeds from 1.5 km/h (in the first stage) to up to 50 km/h (in the last stage with eco engine revs), but if lower speeds are needed, a supercreeper option is also available which allows for seamless speed control from 20 m/h to 5 km/h. The Powershift ratios can also be managed completely automatically with the APS function; with this option, the electronic control unit selects the most efficient ratio in relation to groundspeed, draft force and engine speed.

The second alternative is the TTV continuously variable transmission, a solution offering state of art technology and

functionality. Here the operator can simply select the target speed with the MaxCom joystick and press the throttle pedal to bring the tractor to the desired speed. All transmission variants come as standard with the SenseClutch PowerShuttle with 5 user-selectable responsiveness settings, for performing safe, dependable direction inversion manoeuvres even on steep gradients and when under load. On top of this are the Stop&Go (RVshift models) and PowerZero (TTV models) functions, which make work significantly easier when using the front loader.

COMPACTNESS:

The compact dimensions and the optimised power to weight ratio of the new 6.4 Series make these tractors ideal for a wide variety of applications on any farm. With a maximum steering angle of 50°, a short wheelbase and excellent outward visibility, this series of tractors is also ideally suited for tasks with a front loader, and perfectly at ease making headland turns in restricted spaces or working with mixer trailers in the cattle stable.

AGILITY:


Conceived to be compact, powerful and light, these machines have the versatility to take on a huge variety of applications. The Load Sensing hydraulic system is capable of delivering up to 120 l/min and feeding up to 5 rear distributors to make these potent machines perfect for day to day tasks. The rear lift with up to 9,17 tonnes lifting capacity is ready for any implement. Other features maximising the versatility of these tractors including the Auto PTO function and a ground speed PTO with independent output shaft.

COMFORT:

The new MaxiVision cabs are offered in three variants, providing always minimised noise levels and superior quality materials. The basic MaxiVision cab offers 3 or 4 mechanical rear spool valves and is available in combination with RVshift transmission. MaxiVision⁺ contains the newly developed mixed configuration with two mechanical and two electro-hydraulic rear spool valves. It offers a perfect balance of comfort and simplicity and is available for both transmission types. With the MaxiVision^{Pro} equipment the operator get the advantage of fully electric control valves and the optional 12" iMonitor on the MaxCom armrest which enables additional functionalities like ISOBUS and Guidance. MaxiVision^{Pro} is only available with TTV transmission. All MaxiVision cabs can be equipped with the new 65% larger XLarge vision rear mirrors, air sprung suspension, an openable front window, multiple smartphone and tablet holders, a removable cooling box, a DAB+ radio as well the a new 4.1 premium sound system and feature of course the latest SDF Smart Farming Solutions for precision farming.



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