

# 6 SERIES AGROTRON



DEUTZ-FAHR

6 SERIES Power Shift Agrotion

6 SERIES RC Shift Agrotion

6 SERIES TTV Agrotion



*SOME OPTIONS AND/OR SPECIFICATIONS SHOWN MAY NOT BE AVAILABLE IN ALL MARKETS*

Technical data		6 SERIES Agrotion			
		6155	6165	6185	6215
<b>ENGINE</b>					
Manufacturer		DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions		Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)
Cylinder / Displacement	No./liters	6/6.057	6/6.057	6/6.057	6/6.057
Turbo intercooler		●	●	●	●
Viscodynamic fan		●	●	●	●
Deutz Common Rail (DCR)	PSI/bar	23,200/1600	23,200/1600	23,200/1600	23,200/1600
Power at rated engine speed (ECE R 120)	hp/kW	149/109.5	157/115.1	181/133	201/147.6
Max. power (ECE R 120)	hp/kW	156/114.9	164/120.8	188/138.5	212/156.2
Power at rated engine speed with boost (ECE R 120)	hp/kW	-	163/119.9	-	214/157
Max. power with boost (ECE R 120)	hp/kW	-	171/125.8	-	226/166
Homologated Engine power in accordance with delegated regulation (EU) 2015/96	hp/kW	149/109.5	163/120	181/133	214/157
Engine speed at maximum power	rpm	1900	1900	1900	1900
Max. engine speed (rated)	rpm	2100	2100	2100	2100
Maximum torque	lb-ft/Nm	489/663	515/699	603/818	655/889
Engine speed at maximum torque	rpm	1500	1400	1500	1500
Torque rise	%	33	28	35	24
Electronic engine governor		●	●	●	●
Air filter with dust ejector		●	●	●	●
Exhaust After Treatment (EGR+DPF+SCR)		●	●	●	●
Fuel tank capacity	gal/liters	74/280	74/280	74/280	115/435
AdBlue tank capacity	gal/liters	9.2/35	9.2/35	9.2/35	13.2/50
<b>TRANSMISSION</b>					
Manufacturer		ZF	ZF	ZF	ZF
Model (Manual/Full Robotized)		TPT16 / TPT16 RCshift	TPT16 / TPT16 RCshift	TPT18 / TPT18 RCshift	TPT20 / TPT20 RCshift
Number of speeds	No.	30+15	30+15	30+15	30+15
Number of speeds with creeper gear	No.	54+27	54+27	54+27	54+27
Powershift number of speeds (forward/reverse)	No.	6/3	6/3	6/3	6/3
Minimum speed with creeper gear	mph/kph	0.23/0.37	0.23/0.37	0.24/0.39	0.24/0.39
Max speed 50 Km/h (Manual/RCshift)	Km/h@rpm	-	- / 50@1530	- / 50@1447	50@1863 / 50@1447
Max speed 40 Km/h (Manual/RCshift)	Km/h@rpm	40@1575 / -	- / 40@1224	- / 40@1158	40@1490 / 40@1158
Driving Strategies (Manual/Semi-Auto/Full Auto) (RCshift only)		●	●	●	●
Automatic Powershift (RCshift only)		●	●	●	●
SpeedMatching		●	●	●	●
SenseShift		●	●	●	●
PowerShuttle with 5 adjustment levels		●	●	●	●
ComfortClutch		●	●	●	●
Multiplate wet clutch electrohydraulically operated		●	●	●	●
<b>PTO</b>					
PTO 540/540E/1000/1000E		●	●	●	●
AUTO PTO		●	●	●	●
Front PTO 1000		○	○	○	○
<b>AXLES AND BRAKES</b>					
Front axle manufacturer		Carraro	Carraro	Dana	Dana
Front axle model		20.29	20.29	M50	M60L
Suspended front axle		○	○	○	○
Front axle with brakes		○	○	○	○
Agrosky autosteering predisposition with EasySteer function		○	○	○	○
Front and rear (50 or 100 mm) spacers		○	○	○	○
Front wheel drive electrohydraulically engaged		●	●	●	●
Electrohydraulically operated front and rear differential lock		●	●	●	●
Four-wheel braking system with automatic 4WD engagement		●	●	●	●
Powerbrake		●	●	●	●
Mechanical parking brake		●	●	●	●
Hydraulic trailer braking valve		○	○	○	○
Trailer air braking valve		○	○	○	○
Hydrostatic steering with independent pump		●	●	●	●
Steering pump capacity	gpm/lpm	13.2/50	13.2/50	13.2/50	13.2/50
Steering angle	degree	52	52	52	52

Technical data	6 SERIES Agrotрон				
		6155	6165	6185	6215
<b>HYDRAULIC SYSTEM AND LIFT</b>					
Variable displacement pump (load sensing) (standard)	gpm/lpm	31/120	31/120	31/120	31/120
Variable displacement pump (load sensing) (optional)	gpm/lpm	42/160	42/160	42/160	42/160
Auxiliary rear mechanical distributors (standard)	No.	2	2	2	2
Auxiliary rear mechanical distributors (optional)	No.	4	4	4	4
Auxiliary rear electrohydraulic distributors (RCshift only)	No.	4/5	4/5	4/5	4/5
Auxiliary front hydraulic distributors (ComfortPack)	No.	1/2	1/2	1/2	1/2
Power beyond		○	○	○	○
Maximum deliverable quantity of oil	gal/liters	10.5/40	10.5/40	10.5/40	10.5/40
Electronically controlled rear lift		●	●	●	●
Radar		○	○	○	○
Rear lift capacity	lb/kg	20,250/9200	20,250/9200	20,250/9200	22,025/10000
Right hand tie-rod and third mechanical point		●	●	●	●
Right hand tie-rod and third hydraulic point		○	○	○	○
Auto-hitch coupling bars		●	●	●	●
Controls on mudguard		●	●	●	●
Mechanical front lift with retractable coupling bars		○	○	○	○
Front lift capacity	lb/kg	9,050/4110	9,050/4110	11,000/5000	11,000/5000
Quick couplers		●	●	●	●
<b>ELECTRICAL SYSTEM</b>					
External power outlet socket		●	●	●	●
Power outlet socket for sup. amperage		●	●	●	●
Implements interface ISO 11786		○	○	○	○
Implements interface ISO 11783		○	○	○	○
<b>CAB</b>					
MaxiVision or MaxiVision 2		●	●	●	●
MaxCom joystick (RCshift only)		●	●	●	●
iMonitor2 (12")		○	○	○	○
InfoCentre <sup>Pro</sup> (5")		●	●	●	●
Agrosky system		○	○	○	○
ComforTip (Headland Management)		●	●	●	●
ComforTip professional (only with iMonitor2)		○	○	○	○
Max-Comfort Professional XL seat		●	●	●	●
Max-Comfort Dynamic XL seat		○	○	○	○
Padded instructor's seat		●	●	●	●
Mechanical cab suspension		○	○	○	○
Pneumatic cab suspension		○	○	○	○
Air conditioning		●	●	●	●
Automatic A/C system		○	○	○	○
Anti-UV high visibility roof with		○	○	○	○
Wiring for audio system with speakers		●	●	●	●
Telescopic external mirrors		●	●	●	●
Telescopic external electric and heated mirrors		○	○	○	○
Light control panel		●	●	●	●
Halogen work lights		●	●	●	●
4 Generation LED work lights		○	○	○	○
Integrated driving LED lights		○	○	○	○
Coming home function		●	●	●	●
<b>DIMENSIONS AND WEIGHTS</b>					
Wheelbase	in/mm	109/2767	109/2767	109/2767	112/2848
Length (min-max)*	in/mm	163-225/4142-5712	163-225/4142-5712	170-225/4317-5712	173-228/4398-5793
Height (min-max)**	in/mm	115-119/2932-3032	115-119/2932-3032	119-121/3032-3082	122-124/3103-3153
Width (min-max)**	in/mm	95-100/2416-2543	95-100/2416-2543	97-100/2472-2543	98-107/2500-2736
Ground clearance (min-max)**	in/mm	14-18/365-465	14-18/365-465	18-20/465-515	21-27/555-685
Total unladen weight	lb/kg	14,875/6750	14,875/6750	17,850/8105	18,075/8200
Maximum permissible total weight	lb/kg	25,350/11500	25,350/11500	27,550/12500	29,750/13500

●: standard ○: optional -: not available

\*Min length: from front hood to the rear lift arm in upper position / Max length: from front ballast with front-lift to the rear lift arm in lower position

\*\*Min-Max: according to tires and equipment

Technical data		6 SERIES TTV Agrotion	
		6175 TTV	6215 TTV
<b>ENGINE</b>			
Manufacturer		DEUTZ	DEUTZ
Model		TCD 6.1 L06	TCD 6.1 L06
Emissions		Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)
Cylinder / Displacement	No./liters	6/6.057	6/6.057
Turbo intercooler		●	●
Electronic Viscostatic fan		●	●
Deutz Common Rail (DCR)	PSI/bar	23,200/1600	23,200/1600
Power at rated engine speed (ECE R 120)	hp/kW	169/124.4	201/147.6
Max. power (ECE R 120)	hp/kW	176/129.5	212/156.2
Power at rated engine speed with boost (ECE R 120)	hp/kW	-	214/157
Max. power with boost (ECE R 120)	hp/kW	-	226/166
Homologated engine power in accordance with delegated regulation (EU) 2015/96	hp/kW	169/124.4	214/157
Engine speed at maximum power	rpm	1900	1900
Max. engine speed (rated)	rpm	2100	2100
Maximum torque	lb-ft/Nm	545/739	655/889
Engine speed at maximum torque	rpm	1500	1500
Torque rise	%	31	24
Electronic engine governor		●	●
Exhaust engine brake		○	○
Air filter with dust ejector		●	●
Exhaust After Treatment (EGR+DPF+SCR)		●	●
Fuel tank capacity	gal/liters	74/280	115/435
DEF tank capacity	gal/liters	9.2/35	13.2/50
<b>TTV TRANSMISSION</b>			
Manufacturer		ZF	ZF
Model		Eccom 1.5/1.5 HD	S-Matic 180+
Number of internal ranges	No.	4	4
Max speed 50 Km/h	Km/h@rpm	50@1834/50@2100	50@2100
Max speed 40 Km/h	Km/h@rpm	40@1431/40@1641	40@1647
PowerZero		●	●
Cruise speed	No.	2 forward + 2 reverse	2 forward + 2 reverse
Driving Strategies (Auto/Manual/PTO)		●	●
Eco/Power control		●	●
Hydraulic reverse PowerShuttle		●	●
PowerShuttle with 5 adjustment levels		●	●
<b>PTO</b>			
PTO 540/540E/1000/1000E		●	●
AUTO PTO		●	●
Front PTO 1000		○	○
<b>AXLES AND BRAKES</b>			
Front axle manufacturer		Carraro	Dana
Front axle model		20.29	M60L
Adjustable rear axle		○	○
Front and rear (50 or 100 mm) spacers		○	○
Suspended front axle		○	○
Front axle with brakes		○	○
Agrosky autosteering predisposition with EasySteer function		○	○
Front wheel drive electrohydraulically engaged		●	●
Electrohydraulically operated front and rear differential lock		●	●
Four-wheel braking system with automatic 4WD engagement		●	●
Powerbrake		●	●
EPB (Electronic Parking Brake)		●	●
Hydraulic trailer braking valve		○	○
Trailer stretch function		●	●
Trailer air braking valve		○	○
Trailer air + hydraulic braking valve		○	○
Hydrostatic steering with independent pump		●	●
Steering pump capacity	gpm/lpm	13.2/50	13.2/50
Steering angle	degree	52	52

Technical data and pictures are manufacturer's estimates. DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice. Max speed of 50 kph where permitted. Max 40/50 kph at low rpm according to tires size.

Technical data	6 SERIES TTV Agrottron		
		6175 TTV	6215 TTV
<b>HYDRAULIC SYSTEM AND LIFT</b>			
Manufacturer		Bosch	Bosch
Variable displacement pump (standard)	gpm/lpm	32/120	32/120
Variable displacement pump (optional)	gpm/lpm	42/160	42/160
Closed centre hydraulic system (load sensing)		●	●
Auxiliary rear electrohydraulic distributors (standard)	No.	4	4
Auxiliary rear electrohydraulic distributors (optional)	No.	5	5
Auxiliary front electrohydraulic distributors (optional)	No.	1/2	1/2
Electrohydraulic control with flow regulator and timer		●	●
Power beyond		○	○
Maximum deliverable quantity of oil	gal/liters	10.5/40	10.5/40
Separate oil tank	gal/liters	13.2/50	13.2/50
Electronically controlled rear lift		●	●
Radar		○	○
Rear lift capacity	lb/kg	20,250/9200	22,025/10000
Right hand tie-rod and third mechanical point		●	●
Auto-hitch coupling bars		●	●
Controls on mudguard		●	●
Electronically controlled front lift		○	○
Front lift capacity	lb/kg	9,050/4110	11,000/5000
Quick couplers		●	●
<b>ELECTRICAL SYSTEM</b>			
External power outlet socket		●	●
Power outlet socket for sup. amperage		●	●
Implements interface ISO 11786		○	○
Implements interface ISO 11783		○	○
<b>CAB</b>			
MaxiVision 2		●	●
MaxCom multifunction armrest		●	●
iMonitor2 (12")		○	○
WorkDisplay		●	●
InfoCentre <sup>pro</sup> (5")		●	●
Agrosky system		○	○
ComforTip (Headland Management)		●	●
ComforTip professional (only with iMonitor2)		○	○
Max-Comfort Dynamic XL seat		●	●
Max-Comfort Dynamic XXL seat		○	○
Max-Comfort Evolution Active DDS seat		○	○
Padded instructor's seat		●	●
Mechanical cab suspension		●	●
Pneumatic cab suspension		○	○
Air conditioning		●	●
Automatic A/C system		○	○
Anti-UV high visibility roof with		○	○
Wiring for audio system with speakers		●	●
Telescopic external mirrors		●	●
Telescopic external electric and heated mirrors		○	○
Light control panel		●	●
Halogen work lights		●	●
4 Generation LED work lights		○	○
Integrated driving LED lights		○	○
Ambience light		●	●
Coming home function		●	●
<b>DIMENSIONS AND WEIGHTS</b>			
Wheelbase	in/mm	109/2767	112/2848
Length (min-max)*	in/mm	170-225/4317-5712	173-228/4398-5793
Height (min-max)**	in/mm	119-121/3032-3082	122-124/3103-3153
Width (min-max)**	in/mm	97-100/2472-2543	98-107/2500-2736
Ground clearance (min-max)**	in/mm	18-20/465-515	21-27/555-685
Total unladen weight	lb/kg	18,275/8290	18.900/8580
Maximum permissible total weight	lb/kg	27,550/12500	29,750/13500

●: standard ○: optional -: not available

\*Min length: from front hood to the rear lift arm in upper position / Max length: from front ballast with front-lift to the rear lift arm in lower position

\*\*Min-Max: according to tires and equipment

Dealer

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