

Compound TTV 190-280 HP





Efficient Power and Performance

The Deutz 6.1 L engine is ideal for demanding applications where productivity, fuel efficiency, and power are essential. A Deutz common rail direct injection system offers precise fuel delivery for optimized combustion and increased fuel economy. The low-displacement engine offers a long torque curve to provide maximum power and torque availability throughout the rpm range. The 6190, 6230, and 7250 utilize a single turbocharger. The 8280 uses twin turbochargers and steel components to reach 280 hp. Extended oil change intervals reduce maintenance costs and requirements to keep you in the field all season.

Durability

Modern agriculture equipment operators require uptime, reliability, and durability to operate 365 days a year. Despite their fuel-efficient operation, Deutz-Fahr Compound TTV tractors are among the heaviest machines on the market. Capable of lifting up to 14,000 lb on the front hitch and 24,250 lb on the rear hitch, these tractors match a heavy-duty machine to a proven and efficient Deutz-Fahr powertrain.



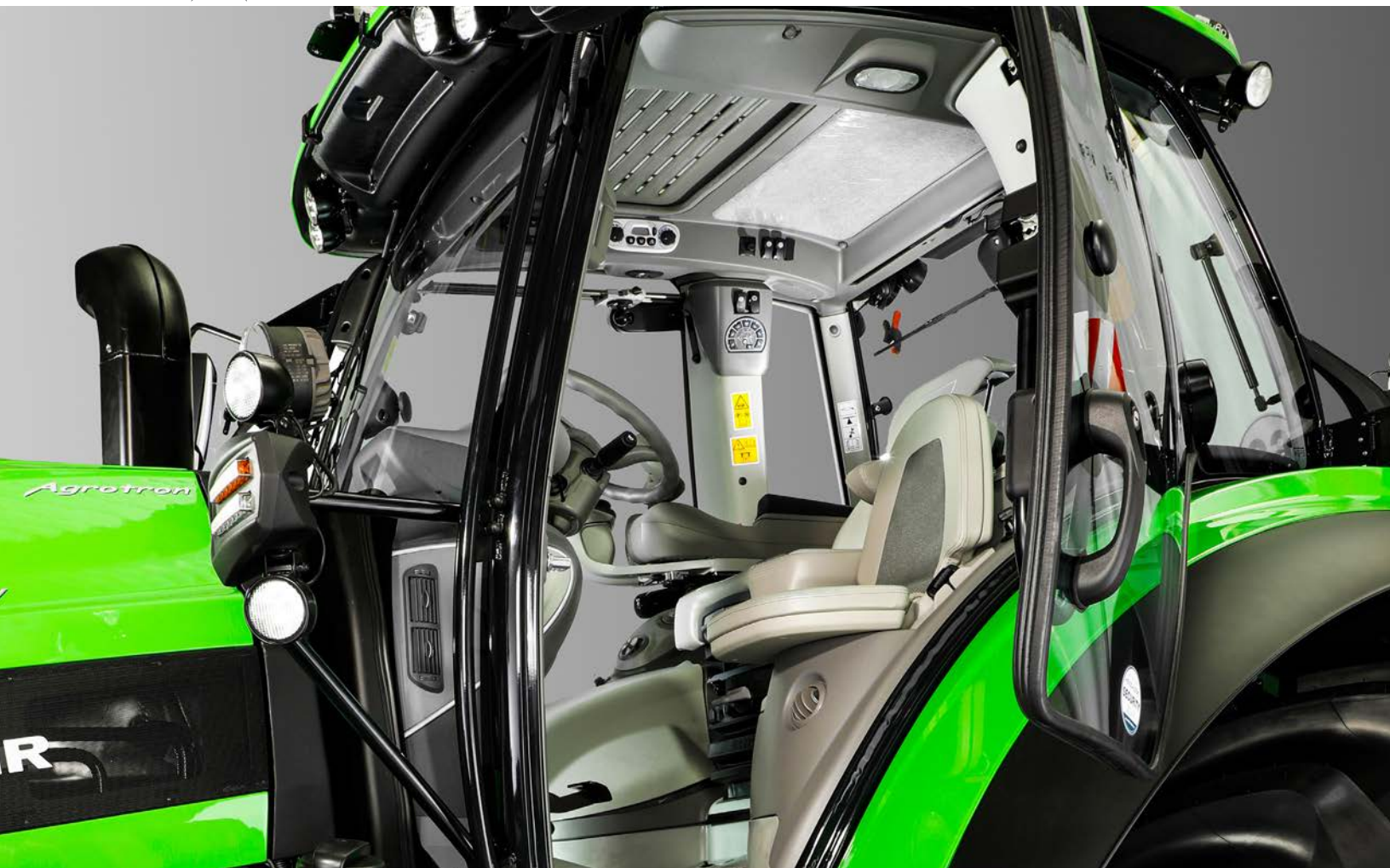
Brakes and Suspension

Every Deutz-Fahr compound TTV tractor features a suspended axle and cab for maximum operator comfort. Utilizing the heavy-duty suspended front axle allows the tractor to go 31 mph comfortably between fields. The 8280 is also standard with front disc brakes for true four-wheel braking, helping handle larger implements and providing increased operator control.

Hydraulics

All Deutz-Fahr tractors have independent steering systems with their own oil pumps, which means the tractor's flow ratings are what is available at the rear SCV. The 6190 and 6230 have 42 gpm available to the implements. The larger 7250 and 8280 offer 55 gpm of flow to the machine. All compound TTVs utilized a separate clean oil system for the transmission to avoid contamination.





Quiet Comfort, Complete Control

The premium Deutz-Fahr MaxiVision cab is built in-house at our German production facility. The cab is separated from the sealed engine compartment to prevent engine noise and heat from reaching the operator. The well-sealed cab offers a quiet environment below 700 db and an effective HVAC system to maximize operator comfort. Up to 18 LED lights offer exceptional 24-hour visibility.

The cab's comfort is further enhanced by a premium air-suspended operator seat that provides heated and cooled functions. The MaxCom joystick and 12" monitor give the operator complete control of the tractor from the integrated armrest. Deutz-Fahr tractors offer color-coded controls to simplify operation.

Smooth Transmission

The 7250 and 8280 are both equipped with a compound TTV transmission, designed to provide a smoother and more efficient power delivery over a wide range of speeds. It also provides easy operation, with few buttons and levers to control the speed and direction, simplifying things for the driver.





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6190 TTV

190 Horsepower

Fuel Efficient 6.1L Deutz Engine

Smooth and Efficient Compound TTV
(Continuously Variable Transmission)

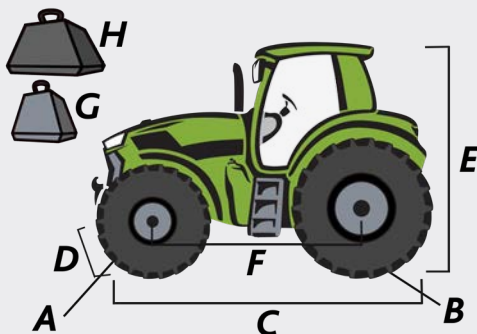
6230 TTV

230 Horsepower

Fuel Efficient 6.1L Deutz Engine

Smooth and Efficient Compound TTV
(Continuously Variable Transmission)

ENGINE		TRANSMISSION	
6190 TTV	6230 TTV	6190 TTV	6230 TTV
Deutz 190 HP (Gross) 6 cyl. / 6.1 L	Deutz 230 HP (Gross) 6 cyl. / 6.1 L	Sense clutch with 5 adjustment levels and 3 driver modes Manual/Auto/PTO	Sense clutch with 5 adjustment levels and 3 driver modes Manual/Auto/PTO
HYDRAULICS		LIFT CAPACITY	
6190 TTV	6230 TTV	6190 TTV	6230 TTV
42 GPM pump output (std)	42 GPM pump output (std)	Front lift capacity: 12,015 lb	Front lift capacity: 12,015 lb
4 rear auxiliary hydraulic distributors	4 rear auxiliary hydraulic distributors	Rear lift capacity: 20,282 lb	Rear lift capacity: 20,282 lb
		Max. permissible total weight: 31,967 lb	Max. permissible total weight: 31,967 lb



	6190 TTV	6230 TTV	
SPECIFICATIONS			
A	Standard Front Tires	540/65R30	600/65R28
B	Standard Rear Tires	650/65R42	710/70R38
C	Length (in)	185	189
D	Width (in)	100-118	100-118
E	Height (in)	130	130
F	Wheelbase (in)	109	112
G	Base Weight (lb)	19,150 - 21,770	19,500 - 22,100
H	Max. Weight (lb)	31,967	31,967



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7250 TTV

250 Horsepower

Fuel Efficient 6.1L Deutz Engine

*Smooth and Efficient Compound TTV
(Continuously Variable Transmission)*

24,470 lb Rear Lift Capacity

7250 TTV

ENGINE

Deutz
250 HP (Gross)
6 cyl. / 6.1 L

TRANSMISSION

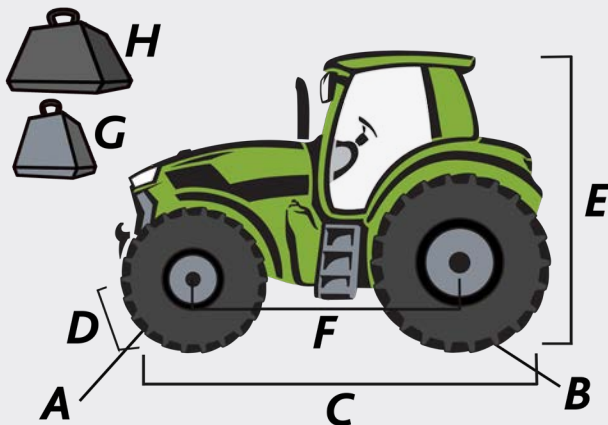
Sense clutch with 5
adjustment levels and
3 driver modes
Manual/Auto/PTO

HYDRAULICS

55 GPM pump output (std)
4 rear auxiliary hydraulic
distributors

LIFT CAPACITY

Front lift capacity: 12,015 lb
Rear lift capacity: 24,470 lb
Max. permissible total
weight: 35,275 lb



7250 TTV

SPECIFICATIONS

A	Standard Front Tires	600/70R30
B	Standard Rear Tires	710/70R42
C	Length (in)	201
D	Width (in)	100-118
E	Height (in)	130
F	Wheelbase (in)	115
G	Base Weight (lb)	20,945 - 22,490
H	Max. Weight (lb)	35,275



Learn more at
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8280 TTV

280 Horsepower

*Fuel Efficient Twin Turbo 6.1L
Deutz Engine*

*Smooth and Efficient Compound TTV
(Continuously Variable Transmission)*

24,470 lb Rear Lift Capacity

8280 TTV

ENGINE

Deutz
287 HP (Gross)
6 cyl. / 6.1 L

TRANSMISSION

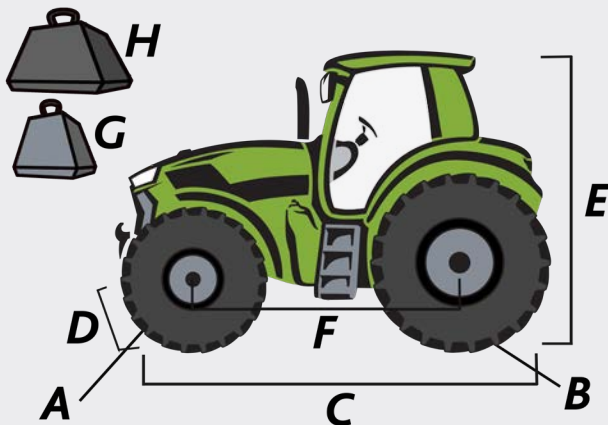
Sense clutch with 5
adjustment levels and
3 driving modes
Manual/Auto/PTO

HYDRAULICS

55 GPM pump output (std)
5 rear auxiliary hydraulic
distributors

LIFT CAPACITY

Front lift capacity: 12,015 lb
Rear lift capacity: 24,470 lb
Max. permissible total
weight: 35,275 lb



8280 TTV

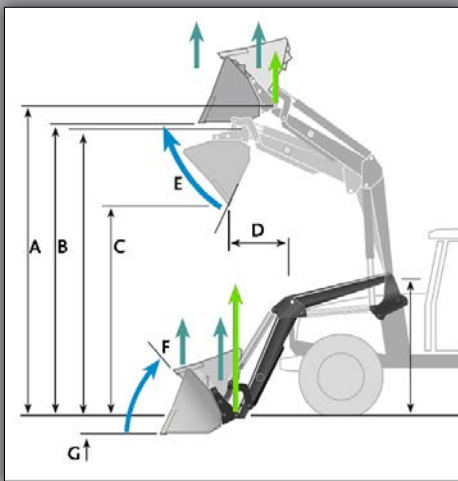
SPECIFICATIONS

A	Standard Front Tires	600/70R30
B	Standard Rear Tires	800/70R38
C	Length (in)	201
D	Width (in)	100-118
E	Height (in)	130
F	Wheelbase (in)	115
G	Base Weight (lb)	20,945 - 22,490
H	Max. Weight (lb)	35,275

Technical Data		6190 TTV	6230 TTV	7250 TTV	8280 TTV
ENGINE					
Model		Deutz 6.1L		Deutz 6.1L	
Emissions		Stage V		Stage V	
Cylinder/Displacement	n°/l	6/6.1 liters		6/6.1 liters	
Turbocharger		Single	Single	Single	Twin
Engine Exhaust Brake		-		•	
DEUTZ Common Rail (DCR)	bar	1,600	1,600	1,600	2,000
Max. power (ECER120)	hp	192	230	247	287
Rated power (ECER120)	hp	191	225	237	268
Engine speed at maximum power	rpm	1,900		1,900	
Max. engine speed (rated)	rpm	2,100		2,100	
Maximum torque	ft lbs	605	715	790	904
Engine speed at maximum torque	rpm	1,500		1,500	
Torque rise	%	28		28	
Fuel tank capacity	litres/gallons	420/111		505/133	
AdBlue tank capacity	litres/gallons	29/7.7		32/8.45	35/9.24
TRANSMISSION					
Model		T7340	T7540	T7780	T7780
Technology		TTV Compound			
Sense clutch with 5 adjustment levels		•			
Driving strategies (Manual/PTO/Auto)		•			
Speed	kph/mph	50/31			
HYDRAULIC and HITCH					
Manufacturer		Bosch			
Pump output (opt.)	l/gpm	160/42		208/55	
Separate hydraulic reservoir "Clean Oil" system				Standard	
Removeable oil quantity	litres/gallons	60/16		90/23.7	
Separate steering pump (double)	litres/gallons	58/15	58/15	58/15	
Aux. spool valves (rear)	No.	4 Electronic			5 Electronic
Aux. spool valves (front)	No.	1 Electronic			
Power Beyond couplers		•			
External operation on fenders		•			
Lifting capacity rear	kg/lb	9,200/20,280		11,100/24,471	11,100/24,471
Lifting capacity front	kg/lb	5,450/12,015			
External operation front hitch		•			
Automatic upper link front		•			
Automatic upper link rear		•			
PTO					
540ECO/1,000/1,000ECO		•			
Auto PTO		•			
Front PTO speed		1000			1000/1000 Eco
AXLES AND BRAKES					
Front axle manufacturer		Dana			
Front axle model		M50	M60 L	M60 HD	
Suspended adaptive front axle		•			
Front axle with dry disc brakes		-			•
Agrosky auto steer with EasySteer		○		•	
Four-wheel braking system with automatic 4WD engagement		-			○
Hydraulic trailer brakes		•			
Pneumatic trailer brakes		-			•

- = N/A • = Standard equipment ○ = optional

Technical Data		6190 TTV	6230 TTV	7250 TTV	8280 TTV
CAB					
Air suspension				•	
Adjustable and telescopic rear view mirrors with courtesy LED light				•	
Multifunction armrest with MaxCom joystick	n°/l			•	
iMonitor 3 12" touch screen display				•	
Agrosky auto steer with EasySteer variable ratio steering				•	
TIM ready (Tractor Implement Management)	bar			•	
ISOBus	hp			•	
Comfortip Professional (Headland Management)	hp			•	
Max-Dynamic Evo DDS XXL seat in synthetic leather with 23° swivel, active climate, and dynamic damping system	rpm			•	
Passenger seat	rpm			•	
High level DAB+ radio with hands free function	ft lbs			•	
Deluxe LED lighting package	rpm			•	
DIMENSIONS AND WEIGHTS					
Front tire size		540/65R30	600/65R28	600/70R30	600/70R30
Rear tire size		650/65R42	710/70R38	710/70R42	800/70R38
Wheelbase (A)	in/mm	109/2,769	112/2,845	115/2,921	115/2,921
Length (B)	in/mm	185/4699	189/4801	201/5,105	201/5,105
Height	in/mm	130/3,302	130/3,302	130/3,302	130/3,302
Width (Minimum)	in/mm	100/2,540	100/2,540	100/2,540	100/2,540
Width (Maximum)	in/mm	118/2,997	118/2,997	118/2,997	118/2,997
Ground clearance	in/mm	20/510	20/510	20/510	20/510
Total unladen weight (minimum)	lb/kg	19,150/8,686	19,500/8,845	20,944/9,500	20,944/9,500
Total unladen weight (maximum)	lb/kg	21,770/9,875	22,100/10,024	22,487/10,200	22,487/10,200



Series (& Loader)		6190 TTV FZ 46-33	6230 TTV FZ 46-33	7250 TTV FZ46-33.1
DIMENSIONAL SPECIFICATIONS				
A	Maximum lift height at pivot point	in	179	
B	Maximum lift height under level bucket	in	171	
C	Clearance with bucket dumped	in	137	
D	Reach at maximum lift height	in	31	
E	Maximum dump angle (full lift height)	deg	58	
F	Maximum rollback angle (ground level)	deg	44	
G	Digging depth	in	8.3	

LIFT CAPACITY at 2828psi (195 bar)				
At pivot pin, max lift height	lbf	5,823		
At pivot pin, ground level	lbf	7,464		
At 31.5" forward of pivot point, max lift height	lbf	5,823		
At 31.5" forward of pivot point, ground level	lbf	7,464		

Bucket Rollback Force at 31.5" / 800mm forward of pivot point				
At ground level	lbf	10,251		
Weight (loader boom only)	lbs	1,905		