JOHN DEERE

SPECIFICATION SHEET

The undersigned (Full Name And Position):		**Hedi Witte, Manager Product Compliance & Safety John Deere Werk Mannheim**
hereby certifies that the following complete vehicle:		
1.1.	Make (Trade name of the manufacturer):	**John Deere**
1.2.	Type:	**E27**
1.2.1.	Variant:	
1.2.2.	Version:	
1.2.3.	Commercial name (if available):	**6M 250**
1.3.	Category, subcategory and speed index of vehicle:	**T1b**
1.4.	Company name and address of manufacturer:	**Deere & Company Moline Illinois 61265/USA**
1.4.2.	Name and address of manufacturer's authorized representative (if any):	**John Deere GmbH & Co. KG John Deere Werk Mannheim John-Deere-Str. 90 68163 Mannheim/Germany**
1.5.1.	Location of the manufacturer's statutory plate(s):	**On frame front right**
1.5.2.	Method of attachment of the manufacturer's statutory plate(s):	**Riveted**
1.6.1.	Location of the vehicle identification number on the chassis:	**On frame front right**
2.	Vehicle identification number:	**1L06250MKSR545732**

conforms in all respects to the type described in	
EU type-approval	**-**
issued on	**-**
and can be permanently registered in Member States having **right/left**-hand traffic and using **metric/imperial** units for the speedometer.	
(Place) (Date) **Mannheim, 20.11.2025**	Signature:

General construction characteristics

3.3.1.	Number of axles and wheels:	**2 / 4**
3.3.2.	Number and position of axles with twinned wheels:	**- / -**
3.3.3.	Number and position of steered axles:	**1 / F**
3.3.4.	Number and position of powered axles:	**2 / F & R**
3.3.5.	Number and position of braked axles:	**2 / F & R**
3.4.1.	Crawler undercarriage configuration:	**-**
3.4.2.	Number and position of powered set of track trains:	**- / -**
3.4.3.	Number and position of braked set of track trains:	**- / -**
3.4.4.	Steering by:	
	- changing the speed between the left-hand side and right-hand side track trains:	**-**
	- pivoting of two opposite or all four track trains:	**-**
	- articulation of the front and rear part of the vehicle around a central vertical axis:	**-**
	- articulation of the front and rear part of the vehicle around a central vertical axis and changing the direction of the wheels on the wheeled axle:	**-**

Constructions characteristics for special purposes

47.1.	Vehicle equipped with falling object protective structures (FOPS) for forestry applications:	**no**
47.2.	Vehicle equipped with falling object protective structures (FOPS) for other applications than forestry:	**no**
55.1.	Vehicle equipped with protection against penetrating objects (OPS) for forestry applications:	**no**
55.2.	Vehicle equipped with protection against penetrating objects (OPS) for other applications than forestry:	**no**
58.3.	Vehicle equipped with cab classified for protection against hazardous substances of category: **2** and a **Dust filter** with regard to protection against hazardous substances.	
59.	Vehicle with machinery mounted on it:	**-**
59.1.	General description of the machinery and its inter-action with the vehicle:	**-**

Masses

4.1.1.1.	Unladen mass(es) in running order	
4.1.1.1.1.	Maximum:	**10700** kg
4.1.1.1.2.	Minimum:	**8250** kg
4.1.2.1.	Technical permissible maximum laden mass(es):	**15000** kg
4.1.2.1.1.	Technical permissible maximum laden mass(es) per axle	
	Axle 1:	**6900** kg
	Axle 2:	**11400** kg
4.1.2.2.	Mass(es) and tyre(s)	

Tyre combination No	Axle No	Tyre dimension incl load capacity index & speed category symbol	Rolling radius [mm]	Tyre Load rating per tyre [kg]	Maximum permissible mass per axle [kg]	Maximum permissible mass of vehicle [kg]	Maximum permissible vertical load on the coupling point [kg]	Track width [mm]	
								Minimum	Maximum
1	**1**	**460/85R30 145A8/142B**	**725**	**2900**	**5800**	**14300**	**2822**	**1611**	**2011**
	2	**520/85R46 158A8/B**	**975**	**4250**	**8500**			**1634**	**2188**
Other mass(es) and tyre(s) see comments									

4.1.2.3.	Mass(es) and crawler undercarriage

Set of track trains No	Track dimensions		Average contact pressure on the ground [kPa]	Maximum load per track roller [kg]	Maximum permissible mass per set of track trains [kg]	Maximum permissible mass of the vehicle [kg]	Maximum permissible vertical load on the coupling point [kg]
	length [mm]	width [mm]					
-	-	-	-	-	-	-	-
-	-	-	-	-	-		
Other mass(es) and crawler undercarriages see comments							

4.1.3.	Technically permissible towable mass(es) for each chassis/braking configuration of the R- or S-category vehicle:

Brake \ R- and S-category vehicle	Drawbar	Rigid drawbar	Centre-axle
Unbraked	**3500** kg	**3500** kg	**3500** kg
Inertia-braked	**16000** kg	**16000** kg	**16000** kg
Hydraulic braked	**38000** kg	**38000** kg	**38000** kg
Pneumatic braked	**38000** kg	**38000** kg	**38000** kg

4.1.4.	Total technically permissible mass(es) of the tractor (T- or C-category vehicle) and towed vehicle (R- or S-category vehicle) combination for each chassis/braking configuration of the R- or S-category vehicle:

Brake \ R- and S-category vehicle	Drawbar	Rigid drawbar	Centre-axle
Unbraked	**18500** kg	**18500** kg	**18500** kg
Inertia-braked	**31000** kg	**31000** kg	**31000** kg
Hydraulic braked	**44000** kg	**44000** kg	**44000** kg
Pneumatic braked	**44000** kg	**44000** kg	**44000** kg

Ballast masses

29.2.	Number of sets of ballast masses:	**57**
29.2.1.	Number of components on each set:	
	Set 1:	**0 - 27**
29.4.	Total mass of ballast masses:	**0 - 2000** kg
Other ballast masses see comments		

Main dimensions

4.2.1.	For incomplete vehicles	
4.2.1.1.	Permissible length for the completed vehicle:	
	Maximum:	- mm
	Minimum:	- mm
4.2.1.2.	Permissible width for the completed vehicle:	
	Maximum:	- mm
	Minimum:	- mm
4.2.1.3.	Height (in running order):	
	Maximum:	- mm
	Minimum:	- mm
4.2.2.	For complete/completed vehicles	
4.2.2.1.1.	Length for on-road use:	
	Maximum:	**5341** mm
	Minimum:	**5166** mm
4.2.2.1.2.	Width for on-road use:	
	Maximum:	**2750** mm
	Minimum:	**2190** mm
4.2.2.1.3.	Height for on-road use:	
	Maximum:	**3436** mm
	Minimum:	**3175** mm
4.2.2.5.	Wheelbase:	**2900** mm
4.2.2.8.	Track width:	
	Maximum:	
	Axle 1:	**2331** mm
	Axle 2:	**2302** mm
	Minimum:	
	Axle 1:	**1519** mm
	Axle 2:	**1407** mm

General powertrain characteristics

5.1.1.1.	Declared maximum design vehicle speed:	**50** km/h
5.1.2.1.	Declared rearward maximum design vehicle speed:	**-** km/h

Engine

2.1.	Make(s):	**John Deere**
2.2.	Type:	**6068HL550**
2.2.2.	Type-approval number without extension:	**e5*2016/1628*2021/1398EV6/D*1086***
6.1.7.	Category and subcategory of the engine:	**NRE-v-6**
6.2.1.	Combustion Cycle:	**four stroke cycle**
6.2.2.	Ignition Type:	**compression ignition**
6.2.3.1.	Cylinders' number:	**6**
	and configuration:	**LI**
6.2.8.1.	Fuel Type:	**B5 / - /-**
6.2.8.3.	List of additional fuels compatible with use by the engine:	**EN15940 Compliant Fuel**
6.3.2.1.2.	Declared rated net power:	**183,9** kW
6.3.2.2.2.	Maximum net power:	**206,4** kW
6.3.6.4.	Engine total swept volume:	**6788** cm^3

Gearbox

11.2.8.	Type of transmission ratio change system:	**Continuously Variable Transmission**

Steering

13.2.	Steering category:	**power-assisted**

Braking

43.4.6.	Electronic braking system:	**no**
43.5.1.	Braking transmission:	**power-assisted**
43.6.1.	Towed vehicle braking control system technology:	**Pneumatic**
43.6.4.	Connections type:	**Two lines**
43.6.4.1.	Supply pressure Hydraulic:	
	Single line:	**-** kPa
	Two lines:	**-** kPa
43.6.4.2.	Supply pressure Pneumatic:	
	Two lines:	**820** kPa
43.6.5	Presence of ISO 7638:2003 connector:	**Yes/No**

Rollover protective structure (ROPS)

2.1.	Make(s):	**John Deere**
2.2.2.	Type-approval number(s):	**OECD 4/2 191/1**
46.1.	Equipment of ROPS:	**compulsory**
46.2.	ROPS by:	**cab**
46.2.1.	In the case of roll bar:	**-**
46.2.2.	In the case of foldable roll bar:	
46.2.2.1.	Folding operation:	**-**
46.2.2.2.1.	Hand-operated foldable ROPS:	**-**
46.2.2.4.	Locking mechanism:	**-**

Seating positions (saddles and seats)

49.1.	Seating position configuration:	**seat**
49.4.2.	Driver's seat type category:	**category A class III**
49.4.3.	Reversible driving position:	**no**
49.5.1.	Number of passenger seats:	**1**

Load platform(s)

33.1.1.	Length of the load platform(s):	**-** mm
33.1.2.	Width of the load platform(s):	**-** mm
33.1.3.	Height of the load platform(s) above the ground:	**-** mm
33.2.	Safe load carrying capacity of load platform declared by manufacturer:	**-** kg

Mechanical couplings

38.3.	Rear mechanical coupling

Type:			**Clevis type mechanical coupling**
Make:			**Sauermann**
Manufacturer's type designation:			**HS 1400-2KUD**
(EU) type-approval mark or -number:			**e1 00009 ND**
Maximum horizontal load/D-Value:			**-** kg / **120,9** kN
Towable mass (T):			**-** tonnes
Maximum permissible vertical load on the coupling point:			**2500** kg
Position of coupling point	height above ground	minimum	**525** mm
		maximum	**1112** mm
	distance from vertical plane passing through the axis of the rear axle	minimum	**842** mm
		maximum	**842** mm
Other mechanical couplings see comments			

Three-point lifting mechanism

39.1.	Three-point lifting mechanism:	**both front and rear mounted**
39.2.	Maximum towable mass:	**12000** kg

Additional coupling points

40.1.	Additional coupling points:	**no**

Power take-off(s)

51.2.	Main PTO:	
	Position:	**rear**
	if other specify:	**-**
51.3.	Secondary PTO:	
	Position:	**-**
	if other specify:	**-**
51.2.3.	Optional: Power at the power take-off (PTO) at the rated speed(s) (in accordance with OECD Code 2 or ISO 789-1:1990)	

Rated speed PTO (min^{-1})	Corresponding engine speed (min^{-1})		Power (kW)	
	Main PTO:	Secondary PTO:	Main PTO:	Secondary PTO:
1-540	-	-	-	-
2-1000	-	-	-	-
540E	-	-	-	-
1000E	-	-	-	-

Results of the sound level test (external)

Measured in accordance with Annex **II** to Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) **(EU) 2022/518**	
Moving:	**84** dB(A)
Stationary:	**84** dB(A)
Engine speed:	**2260** min^{-1}

Driver-perceived sound level

Measured according to Annex **XIII** to Commission Delegated Regulation (EU) No 1322/2014, as last amended by Commission Delegated Regulation (EU) **(EU) 2018/830**	
Driver's exposure to noise level:	**75/81** dB(A)
Test method used:	**Test method 2 in accordance with section 3 of Annex XIII to Commission Delegated Regulation (EU) No 1322/2014**

Results of exhaust emission tests (inclusive of Deterioration Factor)

Measured according to:	
Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) **(EU) 2022/518 :**	**no**
or	
Regulation (EU) 2016/1628 of the European Parliament and of the Council, as last amended by (Commission Delegated) Regulation (EU) **(EU) 2021/1398** (of the European Parliament and of the Council):	**yes**
or	
Regulation (EC) No 595/2009 of the European Parliament and of the Council, as last amended by (Commission Delegated) Regulation (EU) (No) **(EU) No 2019/1242** (of the European Parliament and of the Council):	**no**

Emissions	CO (g/kWh)	HC (g/kWh)	NOx (g/kWh)	HC + NOx (g/kWh)	PM (g/kWh)	PN (#/kWh)	Test Cycle
NRSC	**0,011**	**0,019**	**0,019**	**0,038**	**0,001**	**6,05 x 10^11**	**C1 RMC**
NR transient test	**0,1049**	**0,0281**	**0,0801**	**0,1082**	**0,0026**	**1,33 x 10^11**	**NRTC**
CO_2 result:	**720,30**						

Comments:

additional tires, coupling devices and ballast masses see attachment