



LS Mtron Ltd.

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Model for the certificate of conformity

CERTIFICATE OF CONFORMITY ACCOMPANYING EACH VEHICLE IN THE SERIES OF THE SERIES IF THE TYPE WHICH HAS BEEN APPROVED

Section1 MODELA-COMPLETE VEHICLE

EU CERTIFICATE OF CONFORMITY

The undersigned: Byeong-mo Ko Senior Manager / Quality Assurance Term
hereby certify that the following tractor:

- 1.1. Make (trade name of the manufacturer): LS Mtron Ltd.
- 1.2. Type: TU
- 1.2.1. Variant(s): TU73EUCAPS
- 1.2.2. Version(s): N/A
- 1.2.3. Commercial name(s) (if available): MT5.73
- 1.3. Category, subcategory and speed index of vehicle: T1a
- 1.4. Company name and address of manufacturer: LS Mtron Ltd.
127, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea
- 1.4.2. Name and address of manufacturer's authorised representative (if any): MOVITER Equipamentos S.A /
Parque Movicortes, 2404-006 Azoria, Leiria, Portugal
- 1.5.1. Location of the manufacturer's statutory plate: Rear side of cabin frame
- 1.5.2. Method of attachment: Riveting
- 1.6.1. Location of the vehicle identification number on the chassis: Front right side of tractor frame
2. Vehicle identification number: KLJ23832CNJ000030---

conforms in all respects to the type described in EU type-approval e6*167/2013*00060*00
issued on _____

and can be permanently registered in Member States having right-hand traffic and using metric/imperial units for the speedometer

Wanju-Gun, Jeollabuk-Do, Korea
Place

20 April 2022
Date

Byeong-mo Ko
Signature



Section2
Model 1 – VEHICLE CATEGORY T
(COMPLETE VEHICLE)

General construction characteristics

- 3.3.1. Number of axles and wheels: ----- 2 axles, 4 wheels
- 3.3.2. Number and position of axles with twinned wheels: -----N/A
- 3.3.3. Number and position of steered axles: ----- 1, Front
- 3.3.4. Number and position of powered axles: -----2, Front and rear when 4WD is engaged
1, Rear when 4WD is disengaged
- 3.3.5. Number and position of braked axles: ----- 2
Front : automatic engagement with connected rear axle
Rear : braked axle
- 3.4.1. Crawler undercarriage configuration: set of track trains at front/set of track trains at rear/set of track trains at front and rear/continuous track train at each side of the vehicle: ----- N/A
- 3.4.3. Number and position of braked set of track trains: ----- N/A
- 3.4.4. Steering by ----- N/A
- changing the speed between the left-hand side and right-hand side track trains: yes/no
- pivoting of two opposite or all four track trains: yes/no
- articulation of the front and rear part of the vehicle around a central vertical axis: yes/no
- articulation of the front and rear part of the vehicle around a central vertical axis and by changing the direction of the wheels on the wheeled axle: yes/no
- 3.5.2. Type of chassis: backbone/central tube/ladder/articulated/chassis with side members/other (if other: specify ...): ----- Backbone

Constructions characteristics for special purposes

- 47.1. Vehicle equipped with falling object protective structures(FOPS) for forestry applications: ----- N/A
- 47.2. Vehicle equipped with falling object protective structures(FOPS) for other applications than forestry: ----- Yes
- 55.1. Vehicle equipped with protection against penetrating objects(OPS) for forestry applications: ----- N/A
- 55.2. Vehicle equipped with protection against penetrating objects(OPS) for other applications than forestry: ----- N/A
- 58.3. Vehicle equipped with a cab classified for protection against hazardous substances of category 2/3/4/ and a Dust filter/Aerosol filter/Vapour filter with regard to protection against hazardous substances: ----- Yes
59. Vehicle with machinery mounted on it: ----- N/A
- 59.1. General description of the machinery and its inter-action with the vehicle: ----- N/A



Masses

4.1.1.1. Unladen mass(es) in running order

4.1.1.1.1. Maximum: ----- 3,467kg

4.1.1.1.2. Minimum: ----- 3,070kg

4.1.2.1. Technically permissible maximum laden mass(es): ----- 5400kg

4.1.2.1.1. Technically permissible maximum mass(es) per axle: ----- Axle1: 2200kg, Axle2: 3300kg

4.1.2.2. Mass(es) and tyre(s): -----

No.	Axle No	Tyre dimension including load capacity index and speed category symbol	Rolling radius (mm)	Tyre Load rating per tyre [kg]	Maximum permissible mass per axle [kg](*)	Maximum permissible mass of the vehicle [kg](*)		permissible vertical load on the coupling point [kg](*)(**)(***)	Track width(mm)	
									Mini-mum	Maxi-mum
1	F	11.2-24 8PR 115 A6 R-1	526	1215	1940	5240	2150	TU-DBS2: 650kg 671000 : 1300kg 670000 : 1300kg 701601 : 250kg 33350 : 1300kg 3201 : 1300kg 3200 : 1300kg 3206 : 1300kg 333060 : 1300kg 333070 : 1300kg 333080 : 1300kg 820825 : 1300kg 820489 : 500~900 kg	1577	1777
	R	16.9-30 8PR 136 A6 R-1	712	2240	3300		3090		1446	1846
2	F	11.2-24 8PR 112 A6 R-1	529	1120	1790	5090	1790		1576	1776
	R	16.9-30 8PR 136 A6 R-1	712	2240	3300		3300		1446	1846
3	F	11.2-20 8PR 112 A6 R-1	492	1120	1790	4830	1790		1508	1736
	R	14.9-30 8PR 130 A6 R-1	692	1900	3040		3040		1452	1736
4	F	9.5-24 6PR 105 A6 R-1	515	925	1480	4520	1480		1493	1803
	R	14.9-30 8PR 130 A6 R-1	692	1900	3040		3040		1452	1736
5	F	420/65R20 125 A8 R-1W	499	1650	2200	5400	2200		1598	1598
	R	16.9R30 137 A8 R-1W	702	2650	3300		3200		1594	1594
6	F	420/65R20 125 A8 R-1W	499	1650	2200	5400	2200		1598	1598
	R	540/65R30 143 D R-1W	693	2980	3300		3200		1594	1594
7	F	320/70R20 123 B R-1W	472	1550	2200	5400	2200		1535	1535
	R	420/70R30 134 B R-1W	664	2120	3300		3200		1476	1476
8	F	320/85R20 119 B R-1W	493	1360	2200	5400	2200		1534	1534
	R	420/85R30 140 B R-1W	699	2500	3300		3200		1476	1476
9	F	320/85R20 119 A8 R-1W	501	1360	2200	5400	2200		1598	1598
	R	380/85R30 135 A8 R-1W	674	2180	3300		3200		1594	1594
10	F	360/70R20 129 A8 R-1W	496	1850	2200	5400	2200		1598	1598
	R	420/70R30 134 A8 R-1W	663	2120	3300		3200		1594	1594
11	F	420/65R20 125 A8 R-1W	499	1650	2200	5400	2200		1598	1598
	R	VF 540/65R30 158 D R-1W	687	4250	3300		3200		1594	1594
12	F	320/70R20 113 A8 R-1W	465	1150	2200	5400	2200		1600	1600
	R	420/70R28 133 A8 R-1W	642	2060	3300		3200		1594	1594
13	F	320/70R24 116 A8 R-1W	521	1250	2200	5400	2200		1597	1597
	R	480/70R30 141 A8 R-1W	699	2575	3300		3200		1594	1594
14	F	320/70R20 123 B R-1W	472	1550	2200	5400	2200		1535	1535
	R	380/85R24 133 B R-1W	639	2060	3300		3200		1476	1476

(*) According to the tyre specification.

(**) Load transmitted to the reference centre of the coupling under static conditions, irrespective to the coupling device; if the maximum permissible vertical load on the coupling point depending on the coupling is indicated in this table, expand the table at



the right side and indicate the identification of the coupling device in the header of the column; for R- or S-category vehicles this column(s) concerns the rear coupling devices if there is such a device.

(***) Value to be provided only if the maximum permissible vertical load on the coupling point is lower than indicated in entries 38.3 and 38.4.

4.1.2.3. Mass(es) and crawler undercarriage: ----- N/A

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	Center-axle
Unbraked	N/A	N/A	N/A
Inertia braked	3500~13000kg	3100~13000kg	3100~13000kg
Hydraulic braked	3500~19000kg	3500~19000kg	3500~19000kg
Pneumatic braked	3500~19000kg	3500~19000kg	3500~19000kg

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

Brake \ R-and S category vehicle	Drawbar	Rigid drawbar	Center-axle
Unbraked	N/A	N/A	N/A
Inertia braked	8020~18400kg	8020~18400kg	8020~18400kg
Hydraulic braked	8020~24400kg	8020~24400kg	8020~24400kg
Pneumatic braked	8020~24400kg	8020~24400kg	8020~24400kg

Ballast masses

29.2. Number of sets of ballast masses: ----- See point 29.4

29.2.1. Number of components on each set: Set1: ... Set2: ... Set ...: ----- See point 29.4

29.4. Total mass of ballast masses: ... kg: ----- See below

No.	Front ballasts	Rear ballasts(**)	Total mass(es) (kg)	Front masses (kg)	Rear masses (kg)
1	No ballast	No weight	0	0	0
2		90kg (2ea)	90	0	90
3		180kg (4ea)	180	0	180
4	4-front ballast masses	No weight	160	217	-57
5	(*)	90kg (2ea)	250	217	33
6		180kg (4ea)	340	217	123
7	6-front ballast masses	No weight	240	326	-86
8	(*)	90kg (2ea)	330	326	4
9		180kg (4ea)	420	326	94
10	8-front ballast masses	No weight	320	435	-115
11	(*)	90kg (2ea)	410	435	-25
12		180kg (4ea)	500	435	65
13	10-front ballast masses	No weight	400	543	-143
14	(*)	90kg (2ea)	490	543	-53
15		180kg (4ea)	580	543	37

* Front ballast mass : 40kg/each plate

** Rear ballast mass : 45kg/each plate

**Main dimensions**

- 4.2.1. For incomplete vehicles
- 4.2.1.1. Permissible length for the completed vehicle: ----- N/A
- 4.2.1.2. Permissible width for the completed vehicle: ----- N/A
- 4.2.1.3. Height (in running order): maximum ... mm minimum ... mm: ----- N/A
- 4.2.2. For complete vehicles
- 4.2.2.1.1. Length for on-road use: ----- maximum: 4,235mm / minimum: 4,235mm
- 4.2.2.1.2. Width for on-road use: ----- maximum: 2,291mm / minimum: 1,836mm
- 4.2.2.1.3. Height for on-road use: ----- maximum: 2,640mm / minimum: 2,592mm
- 4.2.2.5. Wheelbase: ----- 2150mm
- 4.2.2.8. Track width: ----- see point 4.1.2.2

General powertrain characteristics

- 5.1.1.1. Declared maximum design vehicle speed: ----- 36.2km/h
- 5.1.2.1. Declared rearward maximum design vehicle speed: ----- 37.6km/h

Engine

- 2.1. Make(s) (trade name(s) of manufacturer): ----- LS Mtron Ltd.
- 2.2. Type: ----- L4CRV-T1A
- 2.2.2. Type-approval number without extension: ----- e13*2016/1628*2016/1628EV4/D*0404
- 6.1.7. Category and sub-category of the engine: ----- NRE-v-4
- 6.2.1. Combustion Cycle: four stroke cycle/two stroke cycle/rotary/other (specify): ----- Four stroke cycle
- 6.2.2. Ignition Type: Compression ignition/spark ignition: ----- Compression ignition
- 6.2.3.1. Cylinders' number: ... and configuration: ----- 4, LI(in-line), Vertical
- 6.2.8.1. Fuel Type : Fuel type / Sub Fuel type / Fuelling arrangement: ----- B5(Diesel) / None / Liquid-fuel only
- 6.2.8.3. List of additional fuels compatible with use by the engine: ----- not applicable
- 6.3.2.1.2. Declared rated net power: ... kW: ----- 54.4kW
- 6.3.2.2.2. Maximum net power: ... kW: ----- 54.4kW
- 6.3.6.4. Engine total swept volume: ... cm³: ----- 2505cm³



Gearbox

- 11.2.8. Type of transmission ratio change system: Mechanical (gear change) / Double clutch (gear change) / Semi-automatic (gear change) / Automatic (gear change) / Continuously Variable Transmission/ hydrostatic / not applicable / other (if other, specify: ...): ----- Mechanical (gear change)

Steering

- 13.2. Steering category: ----- Power-assisted

Braking

- 43.4.6. Electronic braking system: ----- yes/no/optional
- 43.5.1. Braking transmission: mechanical/pneumatic/ hydraulic / hydrostatic / without power assistance/power-assisted/fully powered transmission: ----- Hydrostatic without power assistance
- 43.6.1. Towed vehicle braking control system technology: ----- Hydraulic/Pneumatic/Electric/None
- 43.6.4. Connections type: ----- Single line/Two-lines/None
- 43.6.4.1. Supply pressure Hydraulic: Single line: ... kPa Two lines ... kPa ----- Two lines, 11500-15000kPa
- 43.6.4.2. Supply pressure Pneumatic: ... Two lines: ... kPa ----- 830kPa
- 43.6.5. Presence of ISO 7638:2003 connector: ----- yes/no for pneumatic
yes/no for hydraulic

Rollover protective structure (ROPS)

- 2.1. Make(s) (trade name(s) of manufacturer): ----- LS, LS Tractor, LS Cable, LS Mtron, LS Mtron Ltd.
- 2.2.2. Type-approval number(s) (if available): ----- e6*1322/2014*2018/830U3*00035*00
- 46.1. Equipment of ROPS: ----- compulsory/optional/standard
- 46.2. ROPS by cab/by frame/by roll bar(s) mounted at front/rear: ----- Cab
- 46.2.1. In the case of roll bar: foldable/not foldable: ----- N/A
- 46.2.2. In the case of foldable roll bar: ----- N/A
- 46.2.2.1. Folding operation: non-assisted / partially assisted / fully assisted ----- N/A
- 46.2.2.2.1. Hand operated foldable ROPS: with tools / without tools: ----- N/A
- 46.2.2.4. Locking mechanism: manual/automatic: ----- N/A



Seating position(saddles and seats)

- 49.1. Seating position configuration: -----Seat
- 49.4.2. Driver's seat type category: -----Category A, class II
- 49.4.3. Reversible driving position: -----yes/no
- 49.5.1. Number of passenger seats: -----N/A

Load platform(s)

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

Mechanical couplings

- 38.3. Rear mechanical coupling: -----

Type (according to Appendix 1 to Annex XXXIV to Commission Delegated Regulation (EU) 2015/208)			Tractor drawbar	Piton-type coupling	Ball-type coupling	Coupling ball 50	Clevis coupling 40	Automatic trailer coupling
Make			LS, LS Tractor, LS Cable, LS Mtron, LS Mtron Ltd.	Scharmüller				
Manufacturer's type designation			TU-DBS2	671000	670000	701601	33350	3201
(EU) type-approval mark or -number			e6-00064 NS	e1-00333 ND	e1-00190 ND	E1-55R-012810	e1-00266 ND	e1-00032 ND
Maximum horizontal load/D-Value			N/A	89.3kN	97.1kN	31kN	82.4kN	89.3kN
Towable mass (T)			6 tonnes	19 tonnes	19 tonnes	3.5 tonnes	19 tonnes	19 tonnes
Maximum permissible vertical load on the coupling point			650kg	3000kg	3000kg	250kg	2000kg	2500kg
Position of coupling point	height above ground	minimum	402mm	429mm	429mm	437mm	456mm	456mm
		maximum	514mm	879mm	879mm	887mm	906mm	906mm
	distance from vertical plane passing through the axis of the rear axle	minimum	890mm	698mm	698mm	711mm	657mm	645mm
		maximum	890mm	698mm	698mm	711mm	657mm	645mm



Type (according to Appendix 1 to Annex XXXIV to Commission Delegated Regulation (EU) 2015/208)			Non-automati c trailer coupling	Non-automati c trailer coupling	Non- swivel clevis coupling	Non- swivel clevis coupling	Non- swivel clevis coupling	Tractor drawbar	Tractor drawbar
Make			Scharmüller						
Manufacturer's type designation			3200	3206	333060	333070	333080	820825	820489
(EU) type-approval mark or -number			e1-00031 ND	e1-00276 ND	e1-00199 ND	e1-00201 ND	e1-00200 ND	e1-00160 NS	e1-00464 NS
Maximum horizontal load/D-Value			89.3kN	82.4kN	73.6kN	73.6kN	64kN	N/A	N/A
Towable mass (T)			19 tonnes	19 tonnes	19 tonnes	19 tonnes	19 tonnes	13tonnes	7tonnes
Maximum permissible vertical load on the coupling point			2000kg	2000kg	2000kg	2500kg	1500kg	1700kg	500-900 kg
Positio n of couplin g point	height above ground	minimum	456mm	456mm	456mm	456mm	456mm	508mm	508mm
		maximum	906mm	906mm	906mm	906mm	906mm	508mm	508mm
	distance from vertical plane passing through the axis of the rear axle	minimum	643mm	624mm	650mm	665mm	625mm	743mm	846mm
		maximum	643mm	624mm	650mm	665mm	625mm	843mm	996mm

Tree-point lifting mechanism

- 39.1. Three-point lifting mechanism: -----Rear mounted
- 39.2. Maximum towable mass: ... kg: ----- 2140kg (excluding unbraked trailer)

Additional coupling points

- 40.1. Additional coupling points: ----- yes/no/optional

Power take-off(s)

- 51.2. Main PTO: position: front/rear/other (if other specify: ...): ----- rear
- 51.3. Secondary PTO: position: front/rear/other (if other specify: ...) ----- front
- 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 (Agricultural tractors — Test procedures — Part 1: Power tests for power take-off))

Rated speed PTO (min ⁻¹)	Corresponding engine speed (min ⁻¹)	Power (kW)		
		TU63***	TU68***	TU73***
1-540	2237	38	41	46
2-1000	2318	37	39	44.5
540E	1779	39	39.5	43.5
750	2471	35	38	44

**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)

Moving	82dB(A)
Stationary	82dB(A)
Engine speed	Moving: 2,500 min ⁻¹ , Stationary: 2,700 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)

Driver's exposure to noise level	82.3dB(A)
Test method used	Test method 2

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): ----- yes/no
- Regulation (EU) 2016/1628 of the European Parliament and of the Council, as last amended by (Commission Delegated) (1) Regulation (EU) .../... (of the European Parliament and of the Council): ----- yes/no
- Regulation (EC) No 595/2009 of the European Parliament and of the Council, as last amended by (Commission Delegated) Regulation (EU) (No) 2019/1242 (of the European Parliament and of the Council): ----- yes/no

	CO (g/kWh)	HC (g/kWh)	NO _x (g/kWh)	HC + NO _x (g/kWh)	PM (g/kWh)	PN (#/kWh)	Test Cycle
NRSC /ESC/WHSC	0.100	0.161	3.788	3.949	0.002	1.88x10 ¹⁰	C1
NR transient test /ETC/WHTC	0.023	0.033	4.042	4.075	0.004	3.70x10 ¹¹	NRTC
CO ₂ result	NRSC: 735.0 g/kWh, NRTC: 819.5 g/kWh						

Comments: -----