



Section 1

MODEL A – COMPLETE VEHICLES

EU CERTIFICATE OF CONFORMITY

2023	002383
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The undersigned: C. Kentrop, Sr. Project Leader Agriculture Engineering, hereby certifies that following complete vehicle:

- | | | |
|--------|--|---|
| 1.1. | Make (trade name of manufacturer) : | Yanmar |
| 1.2. | Type : | YT005 |
| 1.2.1 | Variant : | YQC |
| 1.2.2 | Version : | S1AN |
| 1.2.3 | Commercial name (if available) : | YT359-Q Stage V |
| 1.3. | Category, subcategory and speed index of vehicle : | T1a |
| 1.4. | Company name and address of manufacturer : | Yanmar Europe B.V.
Brugplein 11
1332 BS Almere
The Netherlands |
| 1.4.2. | Name and address of manufacturer's authorised representative (if any) : | not applicable |
| 1.5.1. | Location of the manufacturer's statutory plate(s) : | front frame, left hand side |
| 1.5.2. | Method of attachment Location of the manufacturer's statutory plate(s) : | glued |
| 1.6.1. | Location of the vehicle identification number on the chassis : | front frame, right hand side |
| 2. | Vehicle identification number : | YMJS0008ENF200121 |

conforms in all respect to the type described in EU type approval: e1*167/2013*00022*02,
issued on: februari 10, 2021 and can be permanently registered in Member States having right/left -hand traffic and using metric / imperial
units for the speedometer.

Almere, mei 10, 2023

Signature:

Certificate of Conformity YT005 – YMJS0008ENF200121

OEU. 2. UB1082087 82 B024672



Section 2

MODEL 1 – VEHICLE CATEGORY T/C

(COMPLETE, COMPLETED AND INCOMPLETE VEHICLES)

General construction characteristics

3.3.1.	Number of axles and wheels :	2 wheels per axle, 2 axles
3.3.2.	Number and position of axles with twinned wheels :	not applicable
3.3.3.	Number and position of steered axles :	1, F
3.3.4.	Number and position of powered axles :	2, F & R, F is disengageable
3.3.5.	Number and position of braked axles :	1, R, $v_{max} \leq 30$ km/h
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 set of track trains at rear / continuous track train at each side of the vehicle	
3.4.2.	Number and position of powered set of track trains :	not applicable
3.4.3.	Number and position of braked set of track trains :	not applicable
3.4.4.	Steering by :	not applicable

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 than forestry :	no
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.	
59.	Vehicle with machinery mounted on it :	no
59.1.	General description of the machinery and its inter-action with the vehicle :	not applicable



Masses

4.1.1.1 Unladen mass(es) in running order :

4.1.1.1.1 Maximum : 2406 kg

4.1.1.1.2 Minimum : 2406 kg

4.1.2.1 Technically permissible maximum laden mass(es) :

YT005 - YQC : 3675 kg

4.1.2.1.1 Technically permissible maximum mass(es) per axle :

Axle 1 : 1600 kg

Axle 2 : 2300 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 the vehicle [kg] (*)	Maximum permissible vertical load on the coupling point [kg] (*) (**) (***)	Track width [mm]	
								Min	Max
1	1	260/70R16 109 A8	350	1030	1600	3675	750	1314	1340
	2	420/70R24 130 A8	563	1900	2300			1300	1300
2	1	215/90-16 91 A8	356	752	1504	3675	750	1266	1398
	2	380/85-24 119 A8	615	1660	2300			1171	1269
3	1	265/65-16,5 126 A3	335	1143	1600	3675	750	1314	1314
	2	445/64-24 132 A8	538	2175	2300			1348	1348
4	1	375/70-15 123 A4	318	718	1436	3675	750	1297	1297
	2	450/65-20 123 B	503	1861	2300			1367	1367
5	1	215/90-16 91 A8	356	752	1504	3675	750	1267	1398
	2	315/85R28 109 A6	574	2575	2300			1197	1535
6	1	260/70R16 109 A8	350	1030	1600	3675	750	1237	1237
	2	320/85R28 124 A8	574	2575	2300			1192	1192
7	1	25x10.50-LL15 81 A3	295	462	924	3224	750	1310	1310
	2	41x18LL-22,5 179 A2	476	5150	2300			1322	1322
8	1	260/70R16 109 A8	350	1030	1600	3675	750	1237	1237
	2	320/85R28 124 A8	574	2575	2300			1192	1192
9	1								
	2								
10	1								
	2								

* Value according to tyre specification only if lower than technically permissible maximum mass per axle as mentioned in 4.1.2.1.1.

** 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 ^(33a) :

not applicable





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		1500kg	1500 kg	1500 kg
Inertia-braked		6000 kg	6000 kg	6000 kg
Hydraulic braked		-- kg	-- kg	-- kg
Pneumatic braked		-- kg	-- kg	-- 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		5175 kg	5175 kg	5175 kg
Inertia-braked		9675 kg	9675 kg	9675 kg
Hydraulic braked		-- kg	-- kg	-- kg
Pneumatic braked		-- kg	-- kg	-- kg

Ballast masses

29.2. Number of sets of ballast masses :

5

29.2.1. Number of components on each set :

Set 1 : 6

Set 2 : 10

Set 3 : 3

Set 4 : 6

Set 5 : 10

Set 6 : --

29.4. Total mass of ballast masses :

Set 1 : 136 kg

Set 2 : 225 kg

Set 3 : 53 kg

Set 4 : 113 kg

Set 5 : 202 kg

Set 6 : -- kg



Main Dimension

4.2.1	For incomplete vehicles :	not applicable
4.2.2	For complete/ completed vehicles :	
4.2.2.1.1	Length for on-road use :	
	Maximum :	3824 mm
	Minimum :	3224 mm
4.2.2.1.2.	Width for on-road use :	
	Maximum :	1824 mm
	Minimum :	1824 mm
4.2.2.1.3.	Height for on-road use :	
	Maximum :	2262 mm
	Minimum :	2262 mm
4.2.2.5.	Wheelbase :	1967 mm
4.2.2.8.	Track width :	
	Maximum :	Axle 1 : 1307 mm Axle 2 : 1282 mm
	Minimum :	Axle 1 : 1307 mm Axle 2 : 1282 mm

General Powertrain characteristics:

5.1.1.1.	Declared maximum design vehicle speed :	29 km/h
5.1.2.1.	Declared rearward maximum design vehicle speed :	29 km/h



Engine

2.1.	Make(s) (trade name(s) of manufacturer) :	YANMAR Co., LTD
2.2.	Type :	4TNV98C-XN
2.2.2.	Type-approval number without extension :	E13*120R00*120R01*0028 e13*2016/1628*2016/1628EV4/D*0162*00
2.5.2.	Manufacturer's type coding (as marked on the engine or other means of identification) :	
6.1.7	Category and sub category of the engine :	NRE-v-4
6.2.1	Combustion cycle :	four stroke
6.2.2	Ignition Type :	compression Ignition
6.2.3.1	Cylinders' number :	4 and configuration LI: in line
6.2.8.1	Fuel type :	B5:Diesel
6.2.8.3	List of additional fuels compatible with use by the engine :	
6.3.2.1.2	Declared rated net power :	43.9 kW
6.3.2.2.2	Maximum net power :	43.9 kW
6.3.6.4	Engine total swept volume :	3319 cm ³

Gearbox

11.2.8	Type of gear shift system(s) :	Continuously Variable Transmission
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Steering

13.2.	Steering category :	power-assisted
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Braking

43.4.6.	Electronic braking system :	no
43.5.1.	Braking transmission :	mechanical
43.6.1.	Towed vehicle braking control system technology :	none
43.6.4.	Connections type :	none
43.6.4.1	Supply pressure Hydraulic :	Single line: n/a kPa Two lines : n/a kPa
43.6.4.2	Supply pressure Pneumatic :	Two lines : n/a kPa
43.6.5.	Presence of ISO 7638:2003 connector :	yes



Rollover protective structure (ROPS)

2.1.	Make(s) (trade name(s) of manufacturer)	YANMAR
2.2.2.	Type-approval number(s) :	O.E.C.D. approval No.: 4/1 696
46.1.	Equipment of ROPS :	compulsory
46.2.	ROPS by cab mounted at not applicable	
46.2.1.	In the case of roll bar :	not applicable
46.2.2.	In the case of foldable roll bar :	
46.2.2.1.	Folding operation :	not applicable
46.2.2.2.1.	Hand-operated foldable ROPS :	not applicable
46.2.2.4.	Locking mechanism :	not applicable

Seating positions (saddles and seats)

49.1.	Seating position configuration :	seat
49.4.2.	Driver's seat type category :	category A II
49.4.3.	Reversible driving position :	no
49.5.1.	Number of passenger seats :	0

Load platform(s)

Not applicable

Mechanical couplings:

38.3. Rear mechanical coupling :

Type (according to Appendix 1 of Annex XXXIV to Commission Delegated Regulation (EU) 2015/208) :			Clevis type mechanical coupling Ø 31,5 mm	Clevis type mechanical coupling Ø 31,5 mm	Clevis type mechanical coupling Ø 31,5 mm	Clevis type mechanical coupling Ø 31,5 mm	Drawbar
Make :			Scharmüller	Scharmüller	Scharmüller	Scharmüller	Scharmüller
Manufacturer's type designation :			3200	3201	3206	333080	820400
(EU) type-approval mark or -number :			e1 00031 ND	e1 00032 ND	e1 00276 ND	e1 00200 ND	e1 00268 ND
D-Value [kN] :			23.9	82.4	35	64	20
Towable mass (T) [kg] :			n/a	n/a	n/a	2,5	n/a
Max. permissible vert. load on the coupling point [kg] :			750	750	750	750	500
Position of coupling point(62)	height above ground [mm],	Min.	379	376	379	379	364
		Max.	759	706	709	799	364
	distance from vertical plane passing through the axis of the rear axle [mm],	Min.	369	368	349	350	458
		Max.	369	368	349	350	758



Three-point lifting mechanism

- 39.1. Three-point lifting mechanism : both front and rear mounted
39.2. Maximum towable mass : 2500 kg

Additional coupling point

- 40.1. Additional coupling point : no

Power take-off(s)

- 51.2. Main PTO : Position : rear (if other specify:)
51.3. Secondary PTO : Position : none (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 (Agricultural tractors -- Test procedures -- Part 1: Power tests for power take-off)]

Rated speed PTO (min-1)	Corresponding engine speed (min-1)		Power (kW)	
	Main PTO	Secondary PTO	Main PTO	Secondary PTO
1-540	--	--	--	--
2-1 000	--	--	--	--
540E	--	--	--	--
1 000E	--	--	--	--

Result of the sound level test (external):

Measured according to Annex II to Commission Delegated Regulation (EU) 2018/985.

- Moving : 81 dB(A)
Stationary : 81 dB(A)
Engine speed : 2530 min⁻¹

Driver-perceived sound level:

Measured according to Annex XIII to Commission Delegated Regulation (EU) 1322/2014. As last amended by Commission Delegated Regulation (EU) 2018/830.

- Driver's exposure to noise level : 83 dB(A) at 2530 min⁻¹
Test method used : test method 2, in accordance with point 3 of Annex XIII to Commission Delegated Regulation (EU) 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) .../... : no
- Regulation (EU) 2016/1628 of the European Parliament and of the Council, as last amended by (Commission Delegated) ⁽¹⁾ Regulation (EU) (No) ⁽¹⁾ .../... ⁽¹⁾ ⁽³⁰⁾ (of the European Parliament and of the Council) ⁽¹⁾ : yes ; or
- Regulation (EC) No 595/2009 of the European Parliament and of the Council, as last amended by (Commission Delegated) ⁽¹⁾ Regulation (EU) (No) ⁽¹⁾ .../... ⁽¹⁾ ⁽³⁰⁾ (of the European Parliament and of the Council) ⁽¹⁾ : no ; or

	CO (g/kWh)	HC (g/kWh)	NO _x (g/kWh)	HC+NO _x (g/kWh)	PM (g/kWh)	PN #/kWh	Test Cycle
NRSC	0.5	0.02	3.1	3.12	0.000	---	---
NRTC	0.3	0.035	2.82	2.85	0.001	---	---
CO ² Result :	--- g/kWh						

Comments :

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

Max towable mass B-1 unladen tractor unbraked trailer = T-1: 750kg, T-2: 750kg, T-3: 750kg

Max towable mass B-2 unladen tractor inertia braked trailer = T-1: 2500kg, T-2: 2500kg, T-3: 2500kg

Max towable mass B-1 partially laden tractor (axle 2: 2300kg) unbraked trailer = T-1: 1500kg, T-2: 1500kg, T-3: 1500kg

Max towable mass B-2 partially laden tractor (axle 2: 2300kg) inertia braked trailer = T-1: 6000kg, T-2: 6000kg, T-3: 6000kg

Please refer to the information document of e1*167/2013*00022*02 for the YT005 as approved per 10-02-2021, ANNEX 4.3.