CSDD CEĻU SATIKSMES DROŠĪBAS DIREKCIJA

Publisko iepirkumu likums - **tīrs autotransporta līdzeklis**

Kā to noteikt?

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CSDD Tehniskā departamenta vadītājs

Tīrs autotransporta līdzeklis:

a) **M1, M2 vai N1 kategorijas** autotransporta līdzeklis, kura maksimālās izpūtēja emisijas **ir mazākas nekā 50 CO_2g/km** un **piesārņotāju emisijas reālos braukšanas apstākļos (RDE) ir mazākas par 80 %** no emisiju robežvērtībām, kas noteiktas regulas Nr. **715/2007** I.pielikumā,

1. Tīrs autotransporta līdzeklis

CO_2g/km un piesārņotāju emisijas reālos braukšanas apstākļos (RDE) ir norādītas

<u>Atbilstības apliecinājumā (CoC)</u>

(CoC ir atšķirīgi katram ražotājam)

Atbilstības apliecinājuma paraugs (1.puse)

49. CO2 emissions/fuel consumption/electric energy consumption:

1. All power train except pure electric vehicles (if applicable):

NEDC values	CO_2 emission		Fuel consumption	
Urban conditions:		g/km		l/100 km
Extra-urban conditions:		g/km		l/100 km
Combined:		g/km		l/100 km
Weighted, combined:	41	g/km	1.8	l/100 km
Deviation factor:			N/A	
Verification factor:			N/A	

2. Pure electric vehicles and OVC hybrid electric vehicles (if applicable):

Electric energy consumption (weighted, combined):	159	Wh/km
Electric range	50	km

3. Vehicle fitted with eco-innovation(s): No

3.1 General code of the eco-innovation(s):

3.2 Total CO2 emission savings due to eco-innovation(s) (repeat for each reference fuel tested):

3.2.1 NEDC savings: g/km

3.2.2 WLTP savings: g/km

4. All power trains, except pure electric vehicle, under Commission Regulation (EU)2017/1151 (if applicable):

WLTP values	CO_2 emissions		Fuel consumption	
Low		g/km		l/100 km
Medium		g/km		l/100 km
High		g/km		l/100 km
Extra High		g/km		l/100 km
Combined		g/km		l/100 km
Weighted, combined	49	g/km	2.2	l/100 km

5. Pure electric vehicles and OVC hybrid electric vehicles, under Commission Regulation (EU) 2017/1151(if applicable):

5.1 Pure electric vehicles

Electric energy consumption		Wh/km
Electric range		km
Electric range city		km

5.2 OVC hybrid electric vehicles

Electric energy consumption (ECAC, weighted)	154	Wh/km
Electric range (EAER)	44	km
Electric range city (EAER city)	55	km

Miscellaneous

51. For special purpose vehicles: designation in accordance with point 5 of Part A of Annex I to Regulation (EU) 2018/858 of the European Parliament and of the Council:

52. Remarks (n): Additional tyre/wheel combinations (no reference to RR):
Approved highest rolling resistance class according to paragraph 35:
235/55R18 Min 96H;7.5Jx18x50.5 235/50R19 Min 96H;7.5Jx19x50.5 245/45R20 Min 96H;8Jx20x50.5
245/40R21 Min 96H;8Jx21x50.5 M&S Min 96Q

52.1 Vehicle equipped with 24GHz short-range radar equipment.

National information:

Issue-2036 Ver 7.0.0

EC CERTIFICATE OF CONFORMITY

for complete vehicles

The undersigned,
Johan Bogren
Head of Automotive Regulatory Compliance
Volvo Car Corporation

hereby certifies that the vehicle:

0.1	Make:	VOLVO
0.2	Type:	X
	Variant:	XZBB
	Version:	XZBBVF0?
0.2.1	Commercial name(s):	XC40
0.2.3	Identifiers	
0.2.3.1	Interpolation family´s identifier:	IP-2019_536BBF-YV1-1
0.2.3.2	ATCT family´s identifier:	AT-2019_0003-YV1-1
0.2.3.3	PEMS family´s identifier:	5-YV1-022
0.2.3.4	Roadloads family´s identifier:	RL-05-YV1-2018-0019
0.2.3.5	Road load Matrix family´s identifier (if applicable) :	N/A
0.2.3.6	Periodic regeneration family´s identifier:	N/A
0.2.3.7	Evaporative test family´s identifier:	EV-CMA_OVC_HEV-YV1-1
0.4	Vehicle category:	M1
0.5	Company name and address of manufacturer:	Volvo Car Corporation Assar Gabrielssons vag 405 31 Gothenburg Sweden
0.6	Location and method of attachment of statutory plates:	Right side, B-pillar, glued
	Location of the vehicle identification number:	In the floor in front of the right-hand front seat
0.9	Name and address of the manufacturer's Representative (if any):	
0.10	Vehicle identification number:	YV1XZBBVFN2651580
0.11	Date of manufacture of the vehicle:	20210630
	conforms in all respects to the type described in approval:	e9*2007/46*3146*12
	granted on:	20210429

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

Gothenburg (Place) 20210630 (Date)

Johan Bogren
(Signature)

Atbilstības apliecinājuma paraugs (2.puse)

General construction characteristics

1.	Number of axles:	2	and wheels:	4	
3.	Powered axles (number, position, interconnection):	1, Front,			
3.1	Specify if the vehicle is non-automated/automated/fully automated:	Non-automated			

Main dimensions

4.	Wheel base:	2702	mm				
4.1	Axle spacing:	1-2:		2-3:		3-4:	
5.	Length:	4425	mm				
6.	Width:	1873	mm				
7.	Height:	1632	mm				

Masses

13.	Mass in running order:	1812	kg				
13.2	Actual mass of the vehicle:	1858	kg				
16.	Technical permissible maximum masses						
16.1	Technical permissible maximum laden mass:	2290	kg				
16.2	Technical permissible mass on each axle:	1.	1200	kg	2.	1150	kg
16.4	Technical permissible maximum mass of the combination:	4090	kg				
18.	Technically permissible maximum towable mass in case of:						
18.1	Drawbar trailer:	1800	kg				
18.3	Centre-axle trailer:	1800	kg				
18.4	Unbraked trailer	750	kg				
19.	Technically permissible maximum static vertical mass at coupling point:	100	kg				

Power plant

20.	Manufacturer of the engine:	Volvo (Petrol), Siemens (EI)			
21.	Engine code as marked on the engine:	B3154T5, HyFAD			
		Positive ignition,			
22.	Working principle:	4 stroke.			
23.	Pure electric:	No			
23.1	Class of Hybrid [electric] vehicle:	OVC-HEV			
24.	Number and arrangement of cylinders:	3 in line.			
25.	Engine capacity:	1477	cm^3		
26.	Fuel:	Petrol			
26.1.	Mono fuel/Bi fuel/Flex fuel/Dual-fuel	Mono fuel			
27.	Maximum power				
27.1	Maximum net power:	132 kW at	5800	min^{-1}	(internal combustion engine)
27.3	Maximum net power:	60	kW (electric motor)		
27.4	Maximum 30 minutes power:	30	kW (electric motor)		
28.	Gear boxes (type):	Automatic			
28.1	Gearbox ratios (to complete for vehicles with manual shift transmissions):				

1st gear	2nd gear	3rd gear	4th gear	5th gear	6th gear	7th gear	8th gear
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

28.1.1	Final drive ratio (if applicable):	4.647					
28.1.2	Final drive ratios (to complete if and where applicable):	N/A					

Maximum speed

29.	Maximum speed:	180	km/h

Axles and suspension

30.	Axle(s) track:	1.	1601	mm	2.	1626	mm	3.
35.	Fitted tire/wheel combination /energy efficiency class of rolling resistance coefficients (RRC) and tyre category used for CO2 determination (if applicable):	Front: 235/50R19 103V; 7.5Jx19x50.5 / A / C1 Rear: 235/50R19 103V; 7.5Jx19x50.5 / A / C1						

Brakes

36.	Trailer brake connections: (mechanical/electric/pneumatic/hydraulic)	Mechanical

Bodywork

38.	Code of bodywork:	AC Wagon
40.	Colour of vehicle:	Black
41.	Number and configuration of doors:	5, 2 front, 2 rear + tailgate
42.	Number of seating positions (including the driver):	5, 2 in front and 3 in rear
42.1	Seat(s) designated for use only when the vehicle is stationary:	N/A
42.3	Number of wheelchair user accessible position:	N/A

Environmental performances

46.	Sound level					
	Stationary:	72	dB(A) at engine speed:	3750	min^{-1}	
	Drive-by:	68	dB(A)			
47.	Exhaust emission level:	Euro 6 AP				
47.1	Parameters for emission testing of Vehicle individual:					
47.1.1	Test mass:	1931	kg			
47.1.2	Frontal area:	2.560	m2			
47.1.2.1	Projected frontal area of air entrance of the front grille (if applicable):	N/A				
47.1.3	Road load coefficients					
47.1.3.0	f0:	94.8	N			
47.1.3.1	f1:	0.836	N/(km /h)			
47.1.3.2	f2:	0.04009	$N/(km /h)^2$			
47.2	Driving cycle					
47.2.1	Driving cycle class:	3a				
47.2.2	Downscaling factor (f_{DSC}):	N/A				
47.2.3	Capped speed:	No				
48.	Exhaust emissions					
	Number of the base regulatory act and latest amending regulatory act applicable:	715/2007*2018/1832AP				

1.2 Test procedure: Type 1 (NEDC average values, WLTP highest values) or WHSC (EURO VI)

CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NO_x (mg/km)	THC+NO_x (mg/km)	Particulates (mg/km)	Particles (#/km)
81.3	5.1	5.4	10.5		0.11	0.27^{E+11}

48.1	Smoke corrected absorption coefficient:					m^{-1}
48.2	Declared maximum RDE values (if applicable):					
	Complete RDE trip:	NOx:	60.0	mg/km	Particles (number):	6.0^{E+11} #/km
	Urban RDE trip:	NOx:	60.0	mg/km	Particles (number):	6.0^{E+11} #/km

Ogļskābā gāze jeb oglekļa dioksīds

WLTP (CO_2) ≤ 50g/km

Atbilstības sertifikāta paraugs (CoC)

Benzīna/dīzeļa dzinējiem

4. Alle Antriebsarten außer reinen Elektrofahrzeugen (falls zutreffend)

WLTP-Werte	CO_2-Emissionen			Kraftstoffverbrauch [/100km]		
	Benzin/ Diesel [g/km]	Gas: CNG/LPG [g/km]	sonstige [g/km]	Benzin/ Diesel [L]	Gas: CNG/LPG [m³] / [L]	sonstige [L]
Niedrig	178	----	----	7.8	----	----
Mittel	144	----	----	6.3	----	----
Hoch	129	----	----	5.7	----	----
Extra hoch	153	----	----	6.7	----	----
Kombiniert	147	----	----	6.5	----	----
Gewichtet, kombiniert	----	----	----	----	----	----

Atbilstības sertifikāta paraugs (CoC)

Ārēji lādējamam hibrīdauto

4.All power trains, except pure electric vehicle, under regulation 2017/1151

WLTP Values	CO2 emissions	Fuel consumption
Low	94 g/km	4.2 L/100km
Medium	87 g/km	3.8 L/100km
High	92 g/km	4.0 L/100km
Extra High	126 g/km	5.6 L/100km
Combined	103 g/km	4.5 L/100km
Weighted Combined	28 g/km	1.3 L/100km

48.1 Smoke corrected absorption coefficient : **NA** (m-1)

48.2 Declared maximum RDE values

Complete RDE trip :	NOX :	**60**	**mg/km**	Particles :	**NA** **10E11/km**
Urban RDE trip :	NOX :	**60**	**mg/km**	Particles :	**NA** **10E11/km**

KOPSAVILKUMS CO_2

1. Visu degvielas veidu transportlīdzekļiem izmanto kombinēto vērtību,

2. Ārēji lādējamam hibrīda transportlīdzeklim – kombinēto svērto vērtību

Slāpekļa oksīdu masa (NO_x) un cieto daļiņu skaits (PN) reālos braukšanas apstākļos (RDE) ≤ 80% no robežvērtībām

Vērtības no CoC punkta 48.2.

"Euro 6" emisijas robežvērtības (715/2007)

Kategorija	Klase	Atskaites masa (RM) (kg)	Robežvērtības: Oglekļa monoksīda masa (CO) L_1 (mg/km) PI	CI	Visu ogļūdenražu masa (THC) L_2 (mg/km) PI	CI	Ogļūdeņražu, kas nav metāns, masa (NMHC) L_3 (mg/km) PI	CI	**Slāpekļa oksīdu masa (NO_x) L_4 (mg/km) PI**	**CI**	Ogļūdeņražu un slāpekļa oksīdu kopējā masa (THC + No_x) $L_2 + L_4$ (mg/km) PI	CI	Cieto daļiņu masa (¹) (PM) L_5 (mg/km) PI (³)	CI	**Cieto daļiņu skaits (²) L_6 (#/km) PI (⁴)**	**CI (⁵)**
M	–	Visas	1 000	500	100	–	68	–	**60**	**80**	–	170	5.0/4.5	5.0/4.5	**6.0×10^{11}**	**6.0×10^{11}**
N_1	I	RM ≤ 1 305	1 000	500	100	–	68	–	**60**	**80**	–	170	5.0/4.5	5.0/4.5	**6.0×10^{11}**	**6.0×10^{11}**
	II	1 305 < RM ≤ 1 760	1 810	630	130	–	90	–	**75**	**105**	–	195	5.0/4.5	5.0/4.5	**6.0×10^{11}**	**6.0×10^{11}**
	III	1 760 < RM	2 270	740	160	–	108	–	**82**	**125**	–	215	5.0/4.5	5.0/4.5	**6.0×10^{11}**	**6.0×10^{11}**
N_2	–	Visas	2 270	740	160	–	108	–	**82**	**125**	–	215	5.0/4.5	5.0/4.5	**6.0×10^{11}**	**6.0×10^{11}**

Paskaidrojums: PI = dzirksteļaizdedze, CI = kompresijaizdedze.

(¹) Līdz 4,5 mg/km robežvērtības piemērošanas sākumam tiks ieviesta pārskatīta mērījumu procedūra

(²) Šajā posmā piemērojamais standartskaits transportlīdzekļiem ar dzirksteļaizdedzes motoru vēl tiks noteikts.

(³) Dzirksteļaizdedzes cieto daļiņu masas standartus piemēro tikai transportlīdzekļiem ar tiešās iesmidzināšanas motoriem.

Robežvērtības (715/2007) «tīrs autotrans…»

Kateg.	Klase	Atskaites masa	Slāpekļa oksīdu masa (NO_x) (mg/km)				Cieto daļiņu skaits (PN) (#/km)	
			Benzīns		Dīzelis		Dīzelis / Benzīns	
			Norma	«tīrs» 80%	Norma	«tīrs» 80%	Norma	«tīrs» 80%
M	---	visas	60	60*0,8= **48**	80	80*0,8= **64**	6.0×10^{11}	6.0*0,8… **4.8×10^{11}**
N1	I	RM ≤ 1305	60	60*0,8= **48**	80	80*0,8= **64**	6.0×10^{11}	6.0*0,8… **4.8×10^{11}**
	II	1305 < RM ≤ 1760	75	75*0,8= **60**	105	105*0,8= **84**	6.0×10^{11}	6.0*0,8… **4.8×10^{11}**
	III	1760 < RM	82	82*0,8= **65,6**	125	125*0,8= **100**	6.0×10^{11}	6.0*0,8… **4.8×10^{11}**

Atbilstības sertifikāta paraugs (CoC)

Benzīna dzinēja paraugs (neatbilst «tīrajam» auto)

48.1.	Rauch (korrigierter Wert des Absorptionskoeffizienten) [m-1]:		- - - - - - - -
48.2.	Ggf. angegebene höchste RDE-Werte:	NO_x [mg/km]	Partikelzahl mit Exponent [#/km]
	Vollständige RDE-Fahrt:	60.0	6.00 E11
	Innerstädtische RDE-Fahrt:	60.0	6.00 E11

Atbilstības sertifikāta paraugs (CoC)

Benzīna dzinēja paraugs (neatbilst «tīrajam» auto)

48.2 Deklarētās maksimālās RDE vērtības		
Viss RDE brauciens:	NOx: **60.0**	mg/km
daļiņas (skaits):	**6.0**	$*10^{11}km^{-1}$
RDE brauciens pilsētā:	NOx: **60.0**	mg/km
daļiņas (skaits):	**6.0**	$*10^{11}km$

Atbilstības sertifikāta paraugs (CoC)

Ārēji lādējams hibrīdauto (neatbilst «tīrajam» auto)

4.All power trains, except pure electric vehicle, under regulation 2017/1151

WLTP Values	CO2 emissions	Fuel consumption
Low	94 g/km	4.2 L/100km
Medium	87 g/km	3.8 L/100km
High	92 g/km	4.0 L/100km
Extra High	126 g/km	5.6 L/100km
Combined	103 g/km	4.5 L/100km
Weighted Combined	28 g/km	1.3 L/100km

48.1 Smoke corrected absorption coefficient : **NA** (m-1)

48.2 Declared maximum RDE values

Complete RDE trip :	NOX :	**60**	**mg/km**	Particles :	**NA** **10E11/km**
Urban RDE trip :	NOX :	**60**	**mg/km**	Particles :	**NA** **10E11/km**

Paldies par uzmanību!