4. OVC hybrid electric vehicles: WLTP values

CO_2 emissions:

	charge-sustaining					charge-depleting	
	Low	Medium	High	Extra High	Combined	Combined	
-	-	-	-	-	-	-	-

Fuel consumption:

	charge-sustaining					charge-depleting	
	Low	Medium	High	Extra High	Combined	Combined	
-	-	-	-	-	-	-	-

Electric Consumption (EC):

	Low	Medium	High	Extra High	City	Combined	
	-	-	-	-	-	-	-

Weighted combined values:

	CO_2 emissions	Fuel consumption	Electric Consumption (EC_{AC})
-	- -	- -	- -

5. Electric range of OVC hybrid electric vehicles

Equivalent All Electric Range (EAER):	-	km
Equivalent All Electric Range city (EAER city):	-	km
All Electric Range (AER):	-	km
All Electric Range city (AER city):	-	km

49.1. Cryptographic hash of the manufacturer's records file: -

49.2. Zero emission heavy-duty vehicle: -

49.3. Vocational vehicle: -

49.4. Cryptographic hash of the customer information file: -

49.5. Specific CO_2 emissions: -

49.6. Average payload value: -

49.7. Vehicle subgroup/group: -

Miscellaneous

52. Remarks:

-

54. Vehicle fitted with: -

55. Vehicle certified in accordance with UN Regulation No 155: **NO**

56. Vehicle certified in accordance with UN Regulation No 156: **NO**

Axle1: 225/75R16 C 116/114R M+S 6Jx16-68 -	Axle2: 225/75R16 C 116/114R M+S 6Jx16-68 -	; or
Axle1: 225/75R16 CP 116/114Q 6Jx16-68 -	Axle2: 225/75R16 CP 116/114Q 6Jx16-68 -	; or
Axle1: 225/75R16 CP 118R M+S 6Jx16-68 -	Axle2: 225/75R16 CP 118R M+S 6Jx16-68 -	; or
Axle1: 225/75R16 CP 116Q M+S 6Jx16-68 -	Axle2: 225/75R16 CP 116Q M+S 6Jx16-68 -	; or
Axle1: 225/75R16 C 121/120R M+S 6Jx16-68 -	Axle2: 225/75R16 C 121/120R M+S 6Jx16-68 -	

Protocol Number
F: 250GTNAUABCS1
00 501

D: 00000000-

90ec827a606bb641a90c328e70347b4070bcd78c

FCA

FIAT CHRYSLER AUTOMOBILES

EC CERTIFICATE OF CONFORMITY

3110/91863781 0152884

2023-VHS-000930698

The undersigned **ENRICO BECCHIO SENIOR MANAGER, REGULATION & HOMOLOGATION** hereby certifies that the vehicle:

0.1. Make: **FIAT**

0.2. Type: **250** Variant: **GTNAU** Version: **ABCS1**

0.2.1. Commercial name: **FIAT DUCATO**

0.2.2. For multi-stages approved vehicles, type-approval information of the base/previous stages vehicle (list the information for each stage):

Type: - Variant: - Version: -

Type-approval number, extension number: -

0.2.2.1. Allowed Parameter Values for multistage type approval to use the base vehicle emission values:

Final Vehicle actual mass:	-	kg
Final Vehicle technically permissible maximum laden mass:	-	kg
Frontal area for final vehicle:	-	cm^2
Rolling resistance:	-	kg/t
Cross-sectional area of air entrance of the front grille:	-	cm^2

0.2.3.	Identifiers:	**DIESEL**
0.2.3.1.	Interpolation family's identifier:	**IP-03_250_0349M-ZFA-1**
0.2.3.2.	ATCT family's identifier:	**AT-03_250_0002-ZFA-1**
0.2.3.3.	PEMS family's identifier:	-
0.2.3.4.	Roadload family's identifier:	-
0.2.3.5.	Roadload Matrix family's identifier:	-
0.2.3.6.	Periodic regeneration family's identifier:	-
0.2.3.7.	Evaporative test family's identifier:	-

0.4. Vehicle category: **N2**

0.5. Company name and address of manufacturer:

FCA Italy S.p.A. C.so G. Agnelli 200 - 10135 - Turin - Italy

0.5.1. For multi-stage approved vehicles, company name and address of manufacturer of the base/previous stage(s) vehicle:

-

0.6. Location and method of attachment of the statutory plates:

ENGINE COMPARTMENT, FRONT UPPER CROSS MEMBER MECHANICALLY FIXED

Location of the vehicle identification number: **ON THE RIGHT WHEELHOUSE, IN THE FRONT PASSENGER COMPARTMENT**

0.9. Name and address of the manufacturer's representative (if any):

- -

0.10. Vehicle identification number: **ZFA25000002Y34242**

0.11. Date of manufacture of the vehicle: **20/10/2023**

conforms in all respects to the type described in approval **e3*2007/46*0049*36** granted on: **16/12/2022**
and cannot be permanently registered without further approvals.

Place: **TURIN** Date: **20/10/2023**

Signature

General construction characteristics

1. Number of axles: 2
   and wheels: 4
1.1. Number and position of axles with twin wheels: - -
2. Steered axles (number, position):
   1 ANTERIORE
3. Powered axles (number, position, interconnection):
   1 FRONT -
3.1. Specify if the vehicle is: non-automated

Main dimensions

4. Wheelbase: 3800 mm
4.1 Axle spacing:
   1-2: 3800 mm
5.1. Maximum permissible length: 7028 mm
5.2. Elongated Cabs complying with Article 9a of Directive 96/53/EC: NO
5.3. Vehicle equipped with aerodynamic device or equipment on the: not equipped
6.1. Maximum permissible width: 2350 mm
8. Fifth wheel lead for semi-trailer towing vehicle:
   maximum: - mm
   minimum: - mm
12.1. Maximum permissible rear overhang: 2280 mm

Masses

13.3. Additional mass for alternative propulsion: - kg
14. Mass in running order of the incomplete vehicle: 1720 kg
14.1. Distribution of this mass amongst the axles:
   1. 1300 kg
   2. 420 kg
14.2. Actual mass of the incomplete vehicle: 1760 kg
15. Minimum mass of the vehicle when completed: 1750 kg
15.1. Distribution of this mass amongst the axles:
   1. 1150 kg
   2. 600 kg
16. Technically permissible maximum masses:
16.1. Technically permissible maximum laden mass: 3650 kg
16.2. Technically permissible mass on each axle:
   1. 1850 kg
   2. 2000 kg
16.3. Technically permissible mass on each axle group:
   1. - kg
   2. - kg
16.4. Technically permissible maximum mass of the combination: 6150 kg
17. Intended registration/in service maximum permissible masses in national/international traffic
17.1. Intended registration/in service maximum permissible laden mass: - kg
17.2. Intended registration/in service maximum permissible laden mass on each axle:
   1. - kg
   2. - kg
17.3. Intended registration/in service maximum permissible laden mass on each axle group:
   1. - kg
   2. - kg
17.4. Intended registration/in service maximum permissible mass of the combination: - kg
18. Technically permissible maximum towable mass in case of:
18.1. Drawbar trailer: - kg
18.2. Semi-trailer: - kg
18.3. Centre-axle trailer: 2500 kg
18.3.1. Rigid drawbar trailer: - kg
18.4. Unbraked trailer: 750 kg
19. Technically permissible maximum static mass at the coupling point: 100 kg

Power plant

20. Manufacturer of the engine:
   FCA Italy S.p.A.
21. Engine code as marked on the engine:
   46349131
22. Working principle:
   COMPRESSION IGNITION 4 STROKE
23. Pure electric: NO
23.1. Class of Hybrid (electric) vehicle: -
24. Number and arrangement of cylinders:
   4 IN LINE
25. Engine capacity: 2184 cm^3
26. Fuel: DIESEL
26.1. **MONO FUEL**
26.2. (Dual-fuel only) Type -
27. Maximum power
27.1. Maximum net power: (internal combustion engine)
   DIESEL 103 kW at 3500 min^{-1}
27.3. Maximum net power: (electric motor) - kW
27.4. Maximum 30 minutes power: (electric motor) - kW
28. Gearbox (type):
   MANUAL
28.1. Gearbox ratios
   1st gear 1:4,154
   2nd gear 1:2,118
   3rd gear 1:1,361
   4th gear 1:0,978
   5th gear 1:0,756
   6th gear 1:0,622
   7th gear -
   8th gear -
   9th gear -
28.1.1. Final drive ratio: 1:4,867
28.1.2. Final drive ratios
   1st gear 1:20,218
   2nd gear 1:10,308
   3rd gear 1:6,624
   4th gear 1:4,760
   5th gear 1:3,679
   6th gear 1:3,027
   7th gear -
   8th gear -
   9th gear -

Maximum speed

29. Maximum speed: 90 km/h

Axles and suspension

31. Position of lift axle(s): -
32. Position of loadable axle(s): -
33. Drive axle(s) fitted with air suspension or equivalent: NO
35. Fitted tyre/wheel combination/ energy efficiency class of rolling resistance coefficients (RRC) and tyre category used for CO_2 determination:
   Axle1: 225/75R16 CP 116R 6Jx16-68 - C C2
   Axle2: 225/75R16 CP 116R 6Jx16-68 - C C2

Brakes

36. Trailer brake connections: -
37. Pressure in feed line for trailer braking system: - kPa

Coupling device

44. Approval number or approval mark of coupling device (if fitted): -
45. Types or classes of coupling devices which can be fitted: -
45.1. Characteristics values:

D:	V:	S:	U:
-	-	-	-

Environmental performances

46. Sound level

Stationary:	at engine speed:	Drive-by:
80 dB(A)	2625 min^{-1}	70 dB(A)

47. Exhaust emission level: EURO 6 AR
47.1. Parameters for emission testing of V_{ind}
47.1.1. Test mass, kg: -
47.1.2. Frontal area, m^2: -
47.1.2.1. Projected frontal area of air entrance of the front grille, cm^2: 1020
47.1.3. Road load coefficients
47.1.3.0. f0, N: -
47.1.3.1. f1, N/(km/h): -
47.1.3.2. f2, N/(km/h)^2: -
47.2. Driving cycle: DIESEL
47.2.1. Driving Cycle class: 3B
47.2.2. Downscaling factor (I_{dw}): 0.055
47.2.3. Capped speed: 90
48. Exhaust emissions:
   Number of the base regulatory act and latest amending regulatory act applicable:
   715/2007*2018/1832AR
   1.2. Test procedure: TIPO 1 [WLTP]

	DIESEL	
CO	97,6	mg/km
THC	-	mg/km
NMHC	-	mg/km
NO_x	59,1	mg/km
$THC+NO_x$	64,2	mg/km
NH_3	-	-
Particulates (mass)	0,52	mg/km
Particles (number)	0,02x10^11	n./km

48.1. Smoke corrected absorption coefficient: DIESEL 0,50 m^{-1}
49. CO_2 emissions/fuel consumption/electric energy consumption:
   1. All powertrains, except OVC hybrid electric
   CO_2 emissions:

	DIESEL	
Low	-	g/km
Medium	-	g/km
High	-	g/km
Extra High	-	g/km
Combined	-	g/km

   Fuel consumption:

	DIESEL	
Low	-	l/100 km
Medium	-	l/100 km
High	-	l/100 km
Extra High	-	l/100 km
Combined	-	l/100 km

   Electric Consumption (EC_{AC}):

Low	-	Wh/km
Medium	-	Wh/km
High	-	Wh/km
Extra High	-	Wh/km
Combined	-	Wh/km

   2. Electric range of pure electric vehicles
   Electric range: - km
   Electric range city: - km
   3. Vehicle fitted with eco-innovation(s): NO
3.1. General code of the eco-innovation(s): -
3.2. Total CO_2 emissions savings due to the eco-innovation(s):
3.2.2. WLTP saving: GASOL - g/km