

PARTIAL MODEL INFORMATION DOCUMENT

KW YBEVA-EU 2021/1243-00



CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

TYPE : KW YBEVA

SUBJECT : Alcohol Interlock installation facilitation

LEGAL BASIS : Regulation (EU) 2021/1243

Extension No.	Reasons for Extension	Date	Approved by
0	Original version	2025/09/25	Zhang Tao
1			
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-

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KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 2 of 20

General			
0.1	Make (trade name of manufacturer)	:	TAM, HENG TianLINGRUI, KAIPAISI, KAPES, LR, OCEANTIA, KINWIN
0.2	Type	:	KW YBEVA
0.2.1	Commercial name	:	HTK6780YBEV KW8 BLUECOACH7
0.3	Means of identification of type, if marked on the vehicle	:	VIN
0.3.1	Location of that marking	:	VIN stamped on the statutory plate. VIN stamped on the right side frame, close to the right front wheel.
0.4	Category of vehicle	:	M3
0.5	Company name and address of manufacturer	:	CHTC KINWIN (NANJING) AUTOMOBILE CO., LTD. No.97, New Energy Avenue, Lishui Economic Zone, 211124, Nanjing, JIANGSU (CHINA)
0.8	Name and address of the manufacturer's representative (if any):	:	TAM-EUROPE d.o.o Cesta k Tamu 33, 2000 Maribor, SLOVENIA
0.9	Name(s) and address(es) of assembly plant(s)	:	CHTC KINWIN (NANJING) AUTOMOBILE CO., LTD. No.97, New Energy Avenue, Lishui Economic Zone, 211124, Nanjing, JIANGSU (CHINA)

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KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 3 of 20

Miscellaneous			
12.2.4.	Alcohol interlock installation facilitation (AIF)		
12.2.4.1.	Manufacturers declaration of compliance, in accordance with Annex I to Delegated Regulation (EU) 2021/1243	:	See Annex D
12.2.4.2.	Installation document as regards alcohol interlock installation facilitation	:	See Annex E
12.2.4.2.1	The installation document covers option(s) 3a/3b/3c (1) in European Standard EN 50436-7:2016 Annex C	:	3a/3b/3c



PARTIAL MODEL INFORMATION DOCUMENT

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 4 of 20

ANNEX LIST

Annex	Title	Page	Drawing No
A	T-V-V Definition	1	None
	Permissible Combination of Approval Criteria	2	None
B	Vehicle Overview	1-4	01
C	Vehicle weight table	1	None
D	Manufacturer's Declaration	1	None
E	Description of Alcohol interlock installatio	1-8	None

**PARTIAL MODEL INFORMATION DOCUMENT**

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 5 of 20

Type	KW YBEVA	Annex A	Page 1
Title	T-V-V Definition		

pos.	Type	variant			version							
	KW YBEVA	?	A	E	?	?	?	?	?	?	?	?
1	class 1=class I 2=class II 3=class III											
2	stage A=Complete B=Incomplete C=Completed											
3	Power plant I=Internal combustion engine E=Electric motor											
4	Number of doors A=1 service doors+emergency door B=2 service doors											
5	Drive form L=LHD R=RHD											
6	GVW A=11t											
7	Wheelbase A=4.35m											
8	Maximum power A=188kw											
9	Traction battery A=CATL 176.04kwh B=CATL 231.84kwh											
10	Drive-by sound 7=77dB(A) 8=78dB(A)											
11	Emission N/A											

?: Valid for all



PARTIAL MODEL INFORMATION DOCUMENT

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Type	KW YBEVA	Annex A	Page 2
Title	Permissible Combination of Approval Criteria		

Type	Variant			Version							
KW YBEVA	Class	Stage	Power plant	Number of doors	Drive form	GVW	Wheelbase	Maximum power	Traction battery	Drive-by sound	Emission
1	2	A	E	A/B	L/R	A	A	A	A/B	7	N
2	3	A	E	A/B	L/R	A	A	A	A/B	7	N

?: Valid for all



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KW YBEVA-EU 2021/1243-00

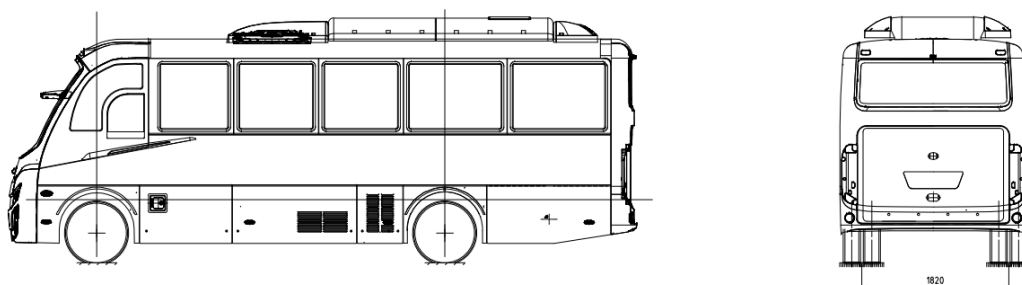
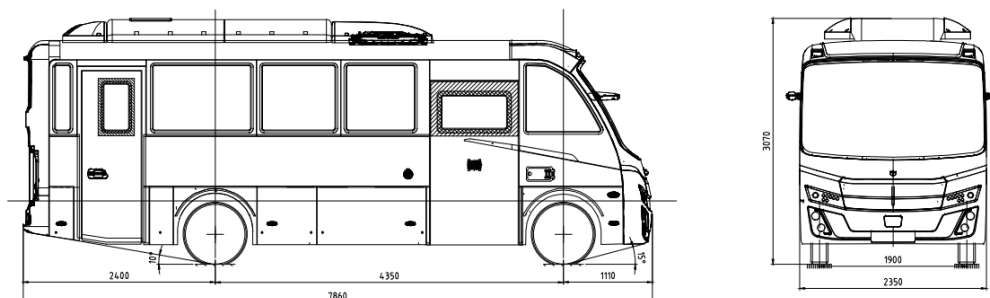
Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

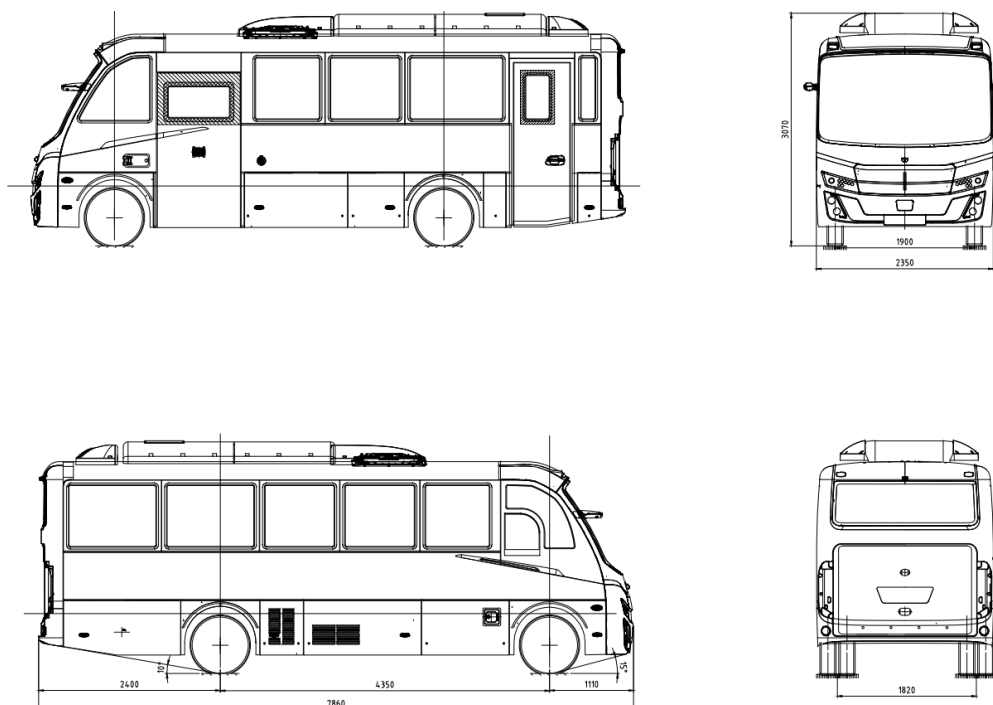
Page 7 of 20

Type	KW YBEVA	Annex B Page 1
Title	Vehicle Overview	Drawing No. 01

state 1



state 2





PARTIAL MODEL INFORMATION DOCUMENT

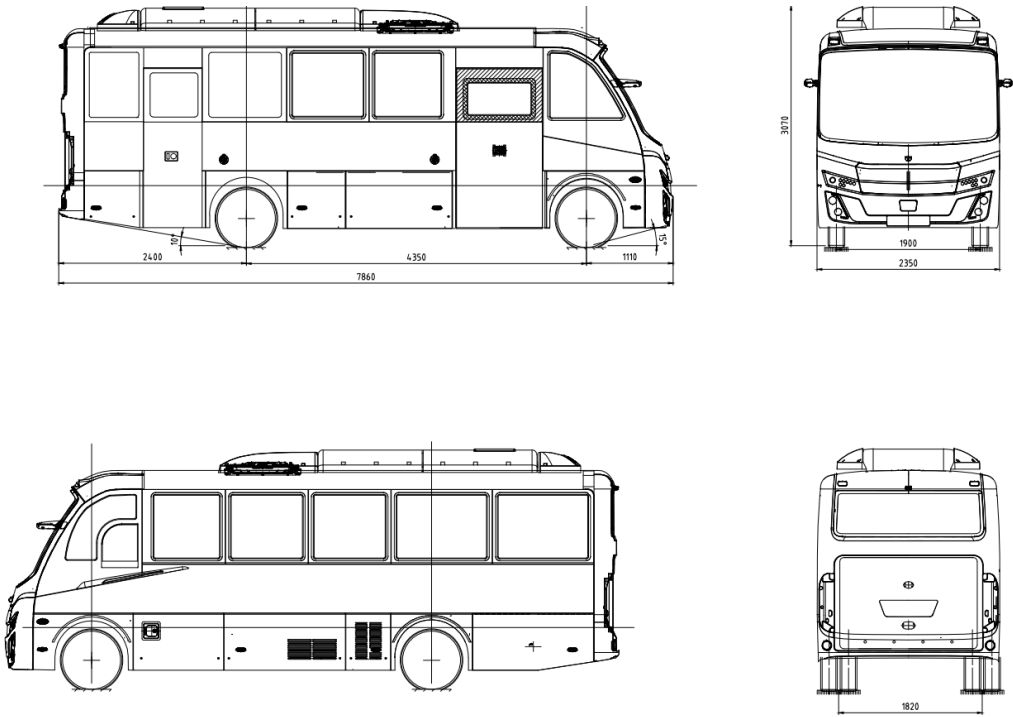
KW YBEVA-EU 2021/1243-00

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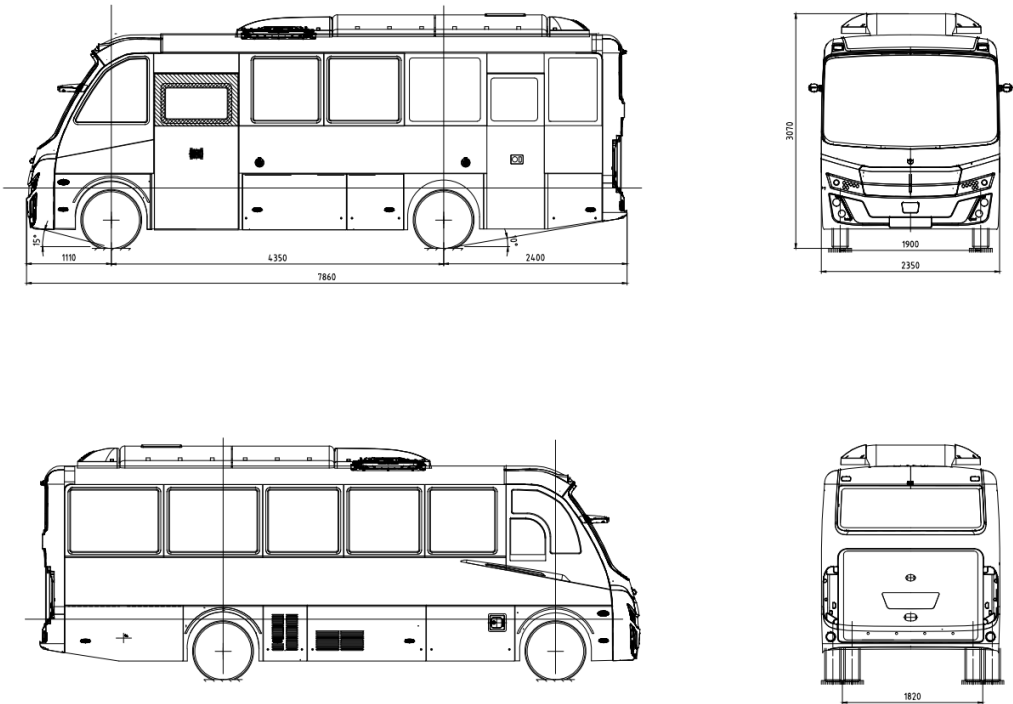
Type : KW YBEVA

Type	KW YBEVA	Annex B Page 2
Title	Vehicle Overview	Drawing No. 01

state 3



state 4





PARTIAL MODEL INFORMATION DOCUMENT

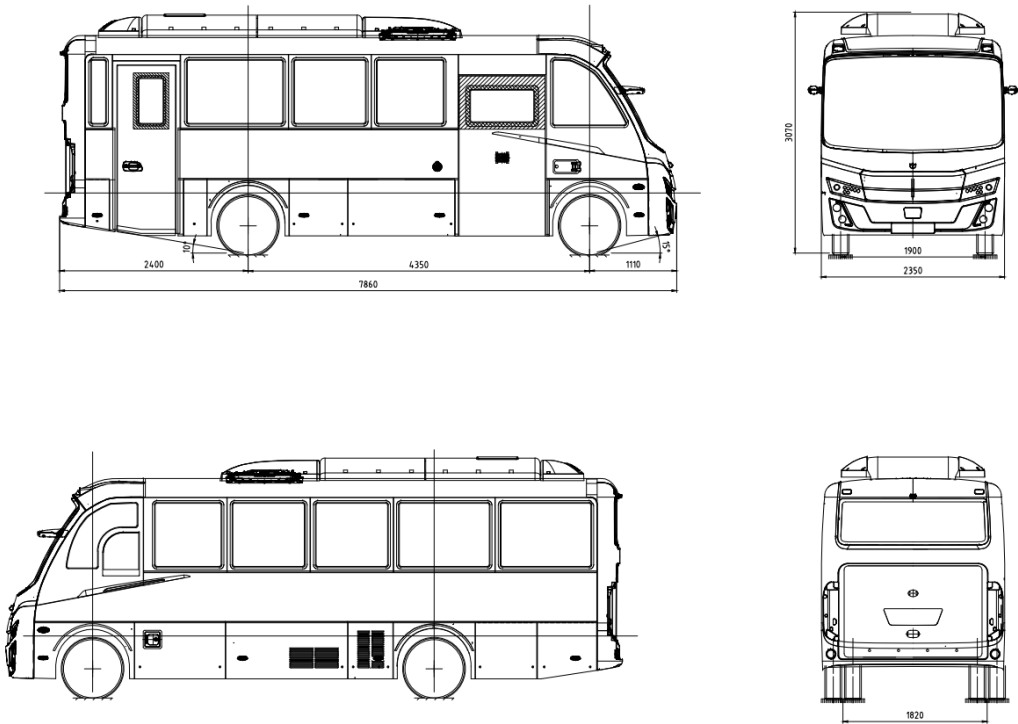
KW YBEVA-EU 2021/1243-00

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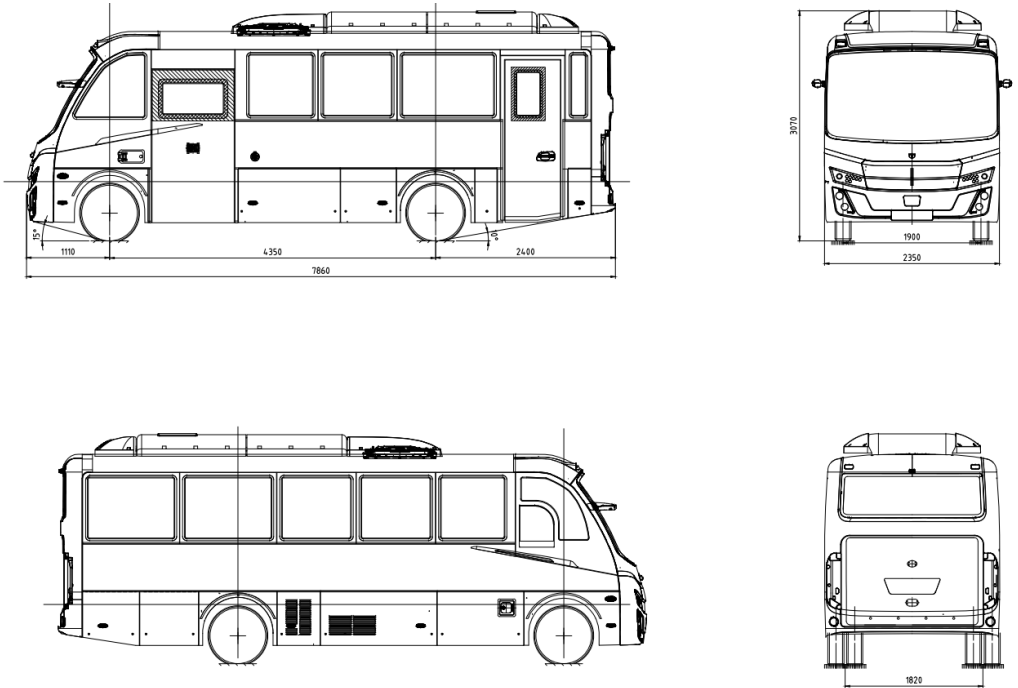
Type : KW YBEVA

Type	KW YBEVA	Annex B Page 3
Title	Vehicle Overview	Drawing No. 01

state 5



state 6





PARTIAL MODEL INFORMATION DOCUMENT

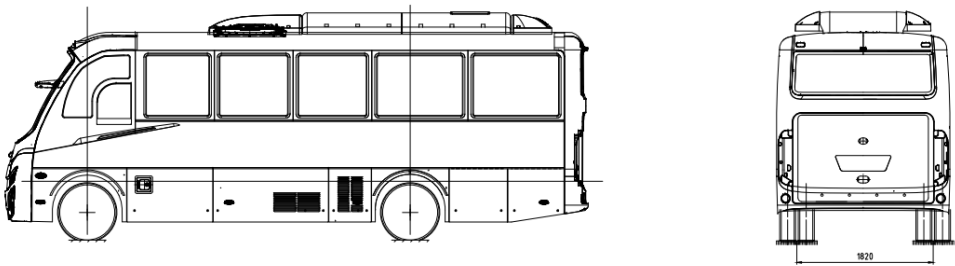
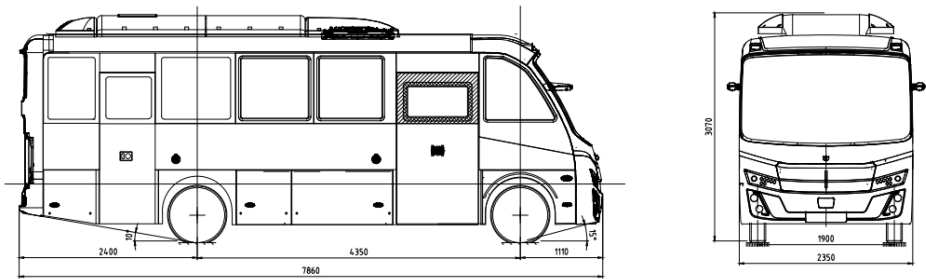
KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

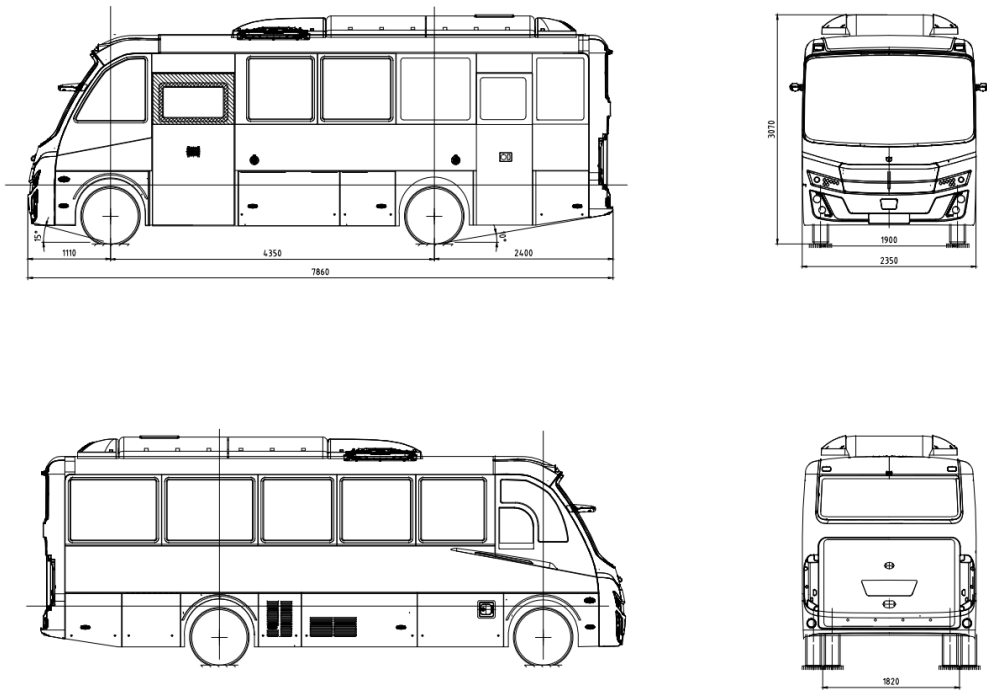
Type : KW YBEVA

Type	KW YBEVA	Annex B Page 4
Title	Vehicle Overview	Drawing No. 01

state 7



state 8



**PARTIAL MODEL INFORMATION DOCUMENT**

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 11 of 20

Type	KW YBEVA	Annex C Page 1
Title	Vehicle weight table	

	2.6.	2.6.1.		2.8.	2.8.1		2.9.	
State	Weight of the vehicle with bodywork in running order (with driver) (kg)	Distribution of this weight among the axle		Technically permissible maximum laden weight (kg)	Distribution of this weight among the axle		Technically permissible maximum weight on each axle	
		Front (kg)	Rear (kg)		Front (kg)	Rear (kg)	Front (kg)	Rear (kg)
1(A,B,C,D,E,F,L) 2(A,C)	8100	3200	4900	11000	4000	7000	4000	7000
3(A,B,C,D,E,F,L) 4(A,C)	7800	2980	4820	11000	4000	7000	4000	7000
1(G,M) 2(B,D) 3(G,M) 4(B,D)	8100	3200	4900	11000	4000	7000	4000	7000
1(H,I) 3(H,I)	7900	3100	4800	11000	4000	7000	4000	7000
1(J,K) 3(J,K)	7700	3000	4700	11000	4000	7000	4000	7000
5(A,B,C,D,E,F,L) 6(A,C)	8500	3050	5450	11000	4000	7000	4000	7000
7(A,B,C,D,E,F,L) 8(A,C)	8200	2830	5370	11000	4000	7000	4000	7000
5(G,M) 6(B,D) 7(G,M) 8(B,D)	8500	3050	5450	11000	4000	7000	4000	7000
5(H,I) 7(H,I)	8300	2950	5350	11000	4000	7000	4000	7000
5(J,K) 7(J,K)	8100	2850	5250	11000	4000	7000	4000	7000



PARTIAL MODEL INFORMATION DOCUMENT

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 12 of 20

Type	KW YBEVA	Annex D	Page 1
Title	Manufacturer's Declaration		

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Address of the manufacturer : No.97, New Energy Avenue, Lishui Economic Zone, 211124, Nanjing, JIANGSU (CHINA).

Certifies that

It provides access to the alcohol interlock installation document in compliance with Article 1 of Commission Delegated Regulation (EU) 2021/1243 for the following vehicle make and type:

Make: TAM, HENGtianLINGRUI, KAIPAISI, KAPES, LR, OCEANTIA, KINWIN

Type: KW YBEVA

The principal website address(es), where the alcohol interlock installation document may be accessed, is (are) listed in Annex A to this declaration. The contact details of the responsible manufacturer's representative who has signed this declaration are set out in Annex B to this declaration.

Done at: Nanjing, China

On: 25.09.2025

Signature: 李德奇

Position: Technical Lead

Annex B: contact details

Name: Youming.Wu

Tel.: (86) 17280808800

Email: xinyuanfan2020@163.com



Type	KW YBEVA	Annex E	Page 1
Title	Description of Alcohol interlock installation		

1. System Electrical Principle

Figure 1 and figure 2 show the working principle of the alcohol interlock. When the breathalyzer test is not performed or the breathalyzer test fails, the ECU is in an interrupted state. In this case, the Start signal between the IBDU and Meter is disconnected, and the vehicle cannot be ready. The Start signal communication between the IBDU and Meter is connected only when the alcohol interlock detects that the alcohol concentration is below the set limit (20mg/100ml, the detection limit varies in different countries and regions). At this time, the driver brakes, the vehicle can ready and shift normally.

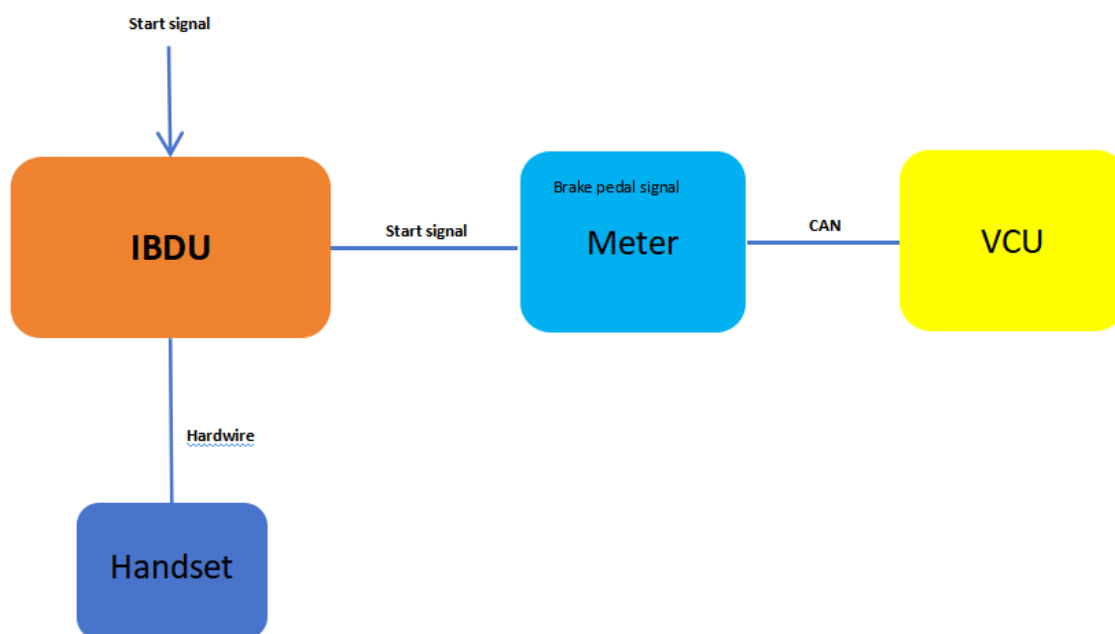


Figure 1 Vehicle alcohol interlock system schematic



Type	KW YBEVA	Annex E	Page 2
Title	Description of Alcohol interlock installation		

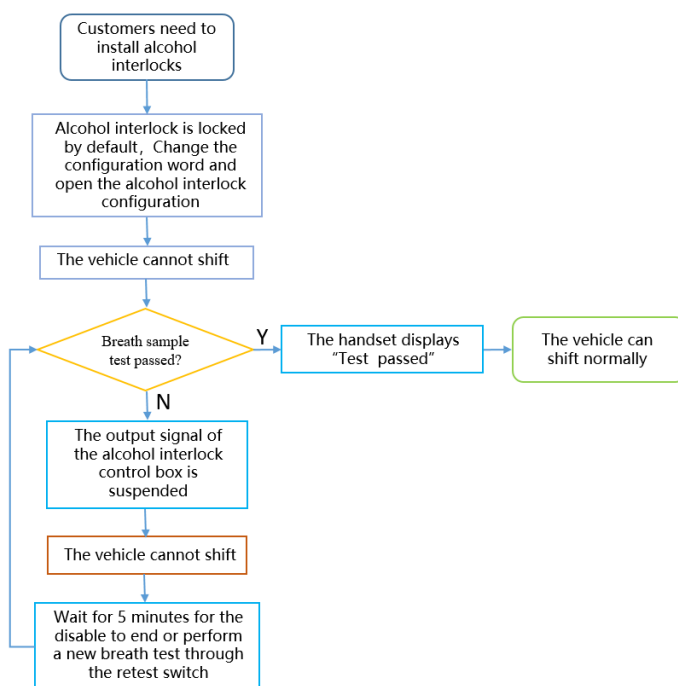


Figure 2 Alcohol interlock workflow

2. Electrical shielding definition

The reserved interface connector for installation of alcohol interlock is placed on the harness branch inside CNSL(Console). The interface connector is a 5 pins Amp connector and a 2 pins Amp connector. The length of the wires between the control box and the connector approx.400mm. The reserved connectors for the entire vehicle are arranged inside the dashboard assembly on the right side of the steering column.Position and pins of connector are seen as the below figure .

**PARTIAL MODEL INFORMATION DOCUMENT**

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 15 of 20

Type	KW YBEVA	Annex E Page 3
Title	Description of Alcohol interlock installation	

Table 1 Vehicle reserved connector definition



Connector type and figure	hole site	Cable cross section	Corresponding insurance size	Function definition
AMP: 282104-1 	1	0.75 mm ²	/	Alcohol lock retest signal
	2	0.75 mm ²	/	Vehicle start feedback signal
AMP: 282107-1 	1	0.75 mm ²	/	Initiate request signal input
	2	0.75 mm ²	/	Start signal output
	3	0.75 mm ²	/	Wake-up signal
	4	0.75 mm ²	/	Ground for power supply
	5	0.75 mm ²	5A	Permanent V+for power supply

Table 2 List of and Hardware for Alcohol Lock Installation

SN	Description	Part reference	If neccessary	Remark
1	The controller	XYF-UVB-7000-01	Yes	
2	Handheld tester	XYF-UVB-7000-02	Yes	
3	Wire to bus	XYF-UVB-7000-03	Yes	
4	DC/DC power	XYF-UVB-7000-04	Yes	DC24V to 12V
5	Extend cable	XYF-UVB-7000-05	Optional	
6	Spiral wire	XYF-UVB-7000-06	Yes	Tester
7	Mouth piece	XYF-UVB-7000-07	Yes	
8	Support	XYF-UVB-7000-08	Yes	for Tester
9	Emergency Key	XYF-UVB-7000-09	Yes	
10	Connector	XYF-UVB-7000-10	Optional	

**PARTIAL MODEL INFORMATION DOCUMENT**

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 16 of 20

Type	KW YBEVA	Annex E Page 4
Title	Description of Alcohol interlock installation	

The functions of the five-hole connector are defined as follows:

NO.	Connector functions defined
Hole site 1	Vehicle start signal request
Hole site 2	The activation signal of the alcohol interlock system interacts with the vehicle. When the alcohol interlock system is working, when the driver's blowing concentration is within the specified limit, the alcohol interlock system starts and outputs a signal to the vehicle to determine the vehicle's start
Hole site 3	Wake up the alcohol lock
Hole site 4	Ground for power supply
Hole site 5	The entire vehicle provides power to the alcohol interlock system



PARTIAL MODEL INFORMATION DOCUMENT

KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 17 of 20

Type	KW YBEVA	Annex E	Page 5
Title	Description of Alcohol interlock installation		

The functions of the two-hole connector are defined as follows:

NO.	Connector functions defined
Hole site 1	A grounding signal can be provided to the control box to trigger a new breath test for the alcohol lock.
Hole site 2	Inform that the vehicle with alcohol lock has been successfully started

3. Hardware installation instructions

Installation steps for alcohol interlocks	
Step 1	Power off the vehicle and turn off the main power.
Step 2	Dpen the cover of sub- instrument panel, and find the reserved alcohol lock connector; Remove the short circuit shield and connect the wiring of the alcohol lock controller according to connector definition; (AS shown in Figure 3)
Step 3	Fix the alcohol lock controller onto the reserved installation position inside the subinstrument panel; (AS shown in Figure 4 or Figure 5)
Step 4	The handheld cable needs to be connected to the interior of sub-instrument panel throughthe reserved wire hole on the bracket base, and insert to the alcohol controller;When the vehicle is powered on again, the alcohol lock handheld interface should light upnormally and request an exhalation test.



Figure 3



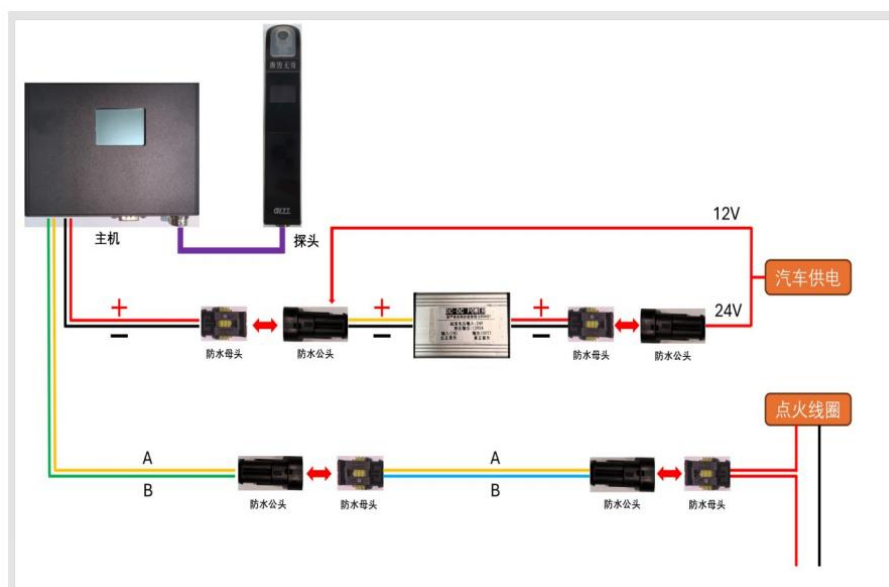
Figure 4



Figure 5



Type	KW YBEVA	Annex E	Page 6
Title	Description of Alcohol interlock installation		



4. Safety hazards and considerations during installation

4.1 When installing an alcohol interlock, please ensure that the vehicle is powered off and please turn off the main power switch;

4.2 The alcohol interlock control box should be firmly fixed to avoid shaking or interfering the driver's operation;

4.3 After the alcohol interlock plug-in is inserted into the right position, draw a line on the surface of the plug-in to confirm and avoid loosening.

4.4 Please ensure that the handset device is connected to the control unit, and it is not allowed to plug or unplug the control unit and the handset device while it is powered on.

4.5 Before installing this product, please carefully read and strictly follow the instructions in this instruction document to ensure the correct installation and use of the product, and to avoid damage to the product or vehicle due to improper operation.

4.6 The alcohol interlock should be installed by professional personnel in accordance with the manufacturer's instructions and national regulations.



Type	KW YBEVA	Annex E	Page 7
Title	Description of Alcohol interlock installation		

5. Other explanation

5.1 The expression 'starting of the vehicle motor/engine' includes provision of an output signal from the alcohol interlock to the vehicle to enable the starting, operation or movement of the vehicle.

5.2 When the service life of the alcohol interlock device expires, it should be replaced by an authorized after-sales service provider.

6. Alcohol interlock system use reference

The alcohol interlock system should be activated after the vehicle is powered ON, and normally the following information will be shown,"Por favor sople"on handheld tester. If the system can't be activated, please check whether the wiring is normal; If the wiring is normal, please contact the local service center of the alcohol interlock supplier, otherwise the vehicle can not be started as required by regulation.



Please continuously blow the air into the mouth piece at the top of the handheld tester for at least 3 seconds, then check the test result.



If the alcohol concentration in the air is within the limit, the information"Prueba superada" will show on the handheld tester. The alcohol lock system will allow the vehicle to start normally.



If the air blowing fails, the information"Repetir soplado Por favor sople" will show on the handheld tester.

If the alcohol concentration in the air exceeds the limit,the information "Excede limite" will show on the handheld tester with the fast alarm of 6 times.



After passing the test("Prueba superada" shown on the handheld tester), the alcohol lock system will have 3 minutes memory activation period. During this 3 minutes period, the driver can start the vehicle normally. If the driver wants to start the vehicle after 3 minutes later, a new test must be conducted.





PARTIAL MODEL INFORMATION DOCUMENT

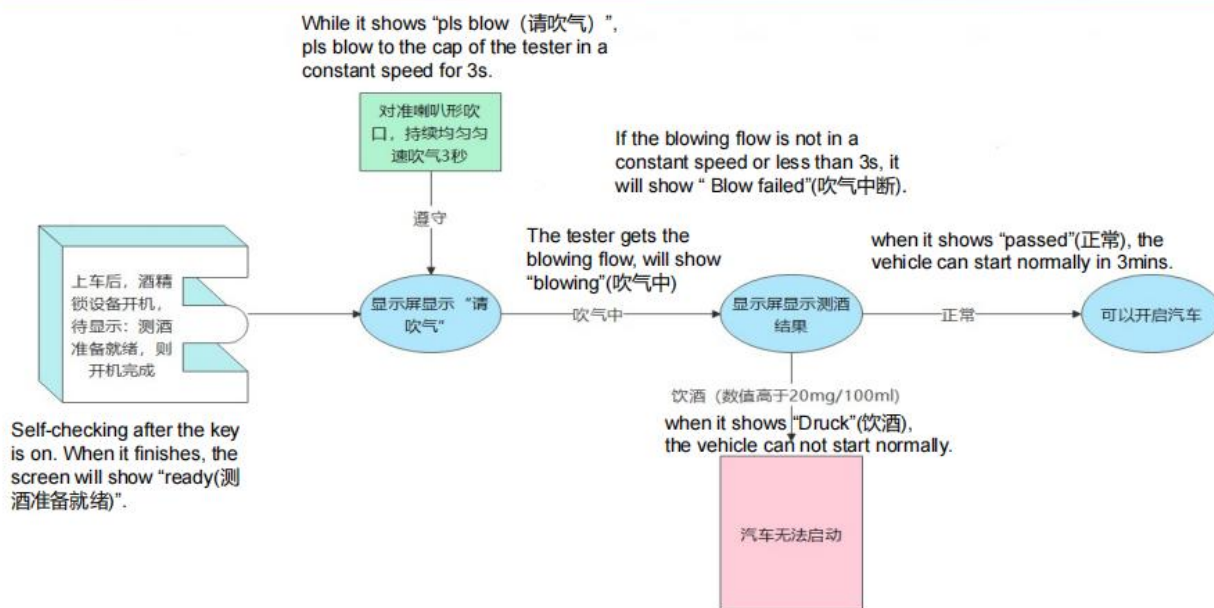
KW YBEVA-EU 2021/1243-00

Manufacturer : CHTC KINWIN(NANJING) AUTOMOBILE CO., LTD

Type : KW YBEVA

Page 20 of 20

Type	KW YBEVA	Annex E	Page 8
Title	Description of Alcohol interlock installation		



Installation and operation documents:

Website: <https://www.kinwinauto.com/en/col221/#page6>

Users can download the installation file through this website link using the three steps shown in the following

