

SHANDONG ODES INDUSTRY CO., LTD.

Complete vehicle

EU CERTIFICATE OF CONFORMITY

The undersigned: Renfeng Wang, General Manager

Hereby certifies that the following complete vehicle:

- 1.1. Make (trade name of the manufacturer): ODES,AODES
1.2. Type: AODES1000UTV-15
1.2.1. Variant: AODES650UTV-15
1.2.2. Version: A
1.2.3. Commercial name (if available): Workcross 1000-3
1.3. Category, subcategory and speed index of vehicle: T1b
1.4. Company name and address of manufacturer:
SHANDONG ODES INDUSTRY CO., LTD.
No.4-8 Warehouse, Bonded Logistics Center, High New Technology Development Area,
Zibo, Shangdong, China
1.4.2. Name and address of manufacturer's authorized representative (if any):
BLIZU ZAHODA d.o.o.
Koroska c. 61/a - 2360 Radlje ob Dravi, Slovenija
1.5.1. Location of the manufacturer's statutory plate(s): Right side of rear frame, R, X: 1959 Y: 485 Z: 768
1.5.2. Method of attachment of the manufacturer's statutory plate(s): Riveted
1.6.1. Location of the vehicle identification number on the chassis:
Right side of rear frame, R, X: 1802 Y: 355 Z: 352
2. Vehicle identification number: H0JBGRA03S0001620

conforms in all respects to the type described in EU type-approval e13*167/2013*00466*01 (type-approval number including extension number) issued on 02.06.2025 (date of issue) and can be permanently registered in Member States having right/left-hand traffic and using metric/imperial-units for the speedometer.

Zibo, P.R.China

14, 06, 2025

(place)

(date)



(signature)

General construction characteristics

- 3.3.1. Number of axles: 2 and wheels: 4
- 3.3.2. Number of position of axles with twinned wheels: N.A.
- 3.3.3. Number of position of steered axles: 1, F(Front)
- 3.3.4. Number of position of powered axles: Normal drive mode 2WD: 1, R(rear)
Non permanent four wheel drive: 2, F&R (front and rear) managing on demand for front axle
- 3.3.5. Number of position of braked axles: 2, F&R (front and rear)
- 3.4.1. Crawler undercarriage configuration: N.A.
- 3.4.2. Number and position of powered set of track trains: 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/☐ N.A.
 - pivoting of two opposite or all four track trains: yes/☐ N.A.
 - articulation if the front and rear part of the vehicle around a central vertical axis: yes/☐ N.A.
 - articulation if the front and rear part of the vehicle around a central vertical axis and changing the direction of the wheels on the wheeled axle: yes/☐ N.A.

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: N.A.
- 55.1. Vehicle equipped with protection against penetrating object (OPS) for forestry applications: N.A.
- 55.2. Vehicle equipped with protection against penetrating object (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. N.A.
- 59. Vehicle with machinery mounted: yes/☐
- 59.1. General description of the machinery and its inter-action with the vehicle:
Powered winch, function is front towing device

Masses

- 4.1.1.1. Unladen mass in running order:
 - 4.1.1.1.1. Maximum: 862 kg
 - 4.1.1.1.2. Minimum: 862 kg
- 4.1.2.1. Technically permissible maximum laden mass(es): 1262 kg
 - 4.1.2.1.1. Technically permissible maximum mass(es) per axle: Axle 1: 484 kg Axle 2: 681 kg
- 4.1.2.2. Mass(es) and tyre(s)

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] (*)	Maximum permissible vertical load on the coupling point [kg] (*)(**)(***)	Track width [mm]	
								Minimum	Maximum
1	27×9.00-14	75J	336	387	529	1262	---	1340	1340
2	27×11.00-14	82J	349	475	733			110	1293

(*) 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		400 kg	N.A.	N.A.
Inertia-braked		700 kg	N.A.	N.A.
Hydraulic braked		N.A.	N.A.	N.A.
Pneumatic braked		N.A.	N.A.	N.A.

- 4.1.4. Total technically permissible towable mass(es) of the 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		1565 kg	N.A.	N.A.
Inertia-braked		1865 kg	N.A.	N.A.
Hydraulic braked		N.A.	N.A.	N.A.
Pneumatic braked		N.A.	N.A.	N.A.

Ballast masses

- 29.2. Number of sets of ballast masses: N.A.
- 29.2.1. Number of components on each set: N.A.
- 29.4. Total mass of ballast masses: N.A.

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): N.A.
- 4.2.2. For complete/completed vehicles
 - 4.2.2.1.1. Length for on-road use: Maximum: 3069 mm, Minimum: 3069 mm

- 4.2.2.1.2. Width for on-road use: Maximum: 1578 mm, Minimum: 1578 mm
 4.2.2.1.3. Height for on-road use: Maximum: 2008 mm, Minimum: 2008mm
 4.2.2.5. Wheelbase: 2145 mm
 4.2.2.8. Track width: Maximum: Axle 1:1340 mm, Axle 2:1293 mm Minimum: Axle 1: Axle 1: 1340 mm, Axle 2: 1293 mm

General powertrain characteristics

- 5.1.1.1. Declared maximum design vehicle speed: 60 km/h at H gear
 5.1.2.1. Declared rearward maximum design vehicle speed: 24 km/h

Engine

- 2.1. Make (trade name of the manufacturer): AODES 2.2. Type: ODS2V82MT
 2.2.2. Type-approval number without extension: e13*2016/1628*2022/992AT1/P*0525
 6.1.7. Category and sub-category of the engine: ATS-v-1 6.2.1. Combustion cycle: four stroke cycle/~~two stroke cycle/rotary/other (specify)~~
 6.2.2. Ignition Type: Compression ignition/spark ignition
 6.2.3.1. Cylinders' number: 2 and configuration: V 6.2.8.1. Fuel Type: Petrol (E10)
 6.2.8.3. List of additional fuels compatible with use by the engine: N.A. 6.3.2.1.2. Declared rated net power: N.A.
 6.3.2.2.2. Maximum net power: **63.7 kW** 6.3.6.4. Engine total swept volume: 976 cm³

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 (1) (if other, specify:)

Steering

- 13.2. Steering category: manual/power-assisted

Braking

- 43.4.6. Electronic braking system: no 43.5.1. Braking transmission: mechanical/pneumatic/hydraulic/hydrostatic / **without power assistance** / power-assisted / fully powered transmission
 43.6.1. Towed vehicle braking control system technology: N.A.
 43.6.4. Connections type: N.A. 43.6.4.1. Supply pressure Hydraulic: N.A.
 43.6.4.2. Supply pressure Pneumatic: N.A. 43.6.5. Presence of ISO 7638:2003 connector: N.A.

Rollover protective structure (ROPS)

- 2.1. Make(s) (trade name(s) of manufacturer): AODES
 2.2.2. Type-approval number(s): N.A.
 46.1. Equipment of ROPS: compulsory/optional/standard
 46.2. ROPS by: cab/by frame/by roll bar(s) mounted at front/rear
 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 positions (saddles and seats)

- 49.1. Seating position configuration: seat/saddle 49.4.2. Driver's seat type category: category A class I/II/III, category B
 49.4.3. Reversible driving position: yes/no 49.5.1. Number of passenger seats: 2

Load platform(s)

- 33.1.1. Length of the load platform(s): 954 mm 33.1.2. Width of load platform(s): 1403 mm
 33.1.3. Height of load platform(s) above the ground: 870 mm
 33.2. Safe load carrying capacity of load platform declared by manufacturer: 400 kg

Mechanical couplings

- 38.3. Rear mechanical coupling

Type (according to Appendix 1 to Annex XXXIV to Commission Delegated Regulation (EU) 2015/208):		A50-X
Make:		AODES
Manufacturer's type designation:		16808420010
(EU) type-approval mark or -number:		E13*55R02/00*4897*00
Maximum horizontal load/D-Value:		8.31 kN
Maximum permissible vertical load on the coupling point:		110 kg
Position of coupling point	height above ground	Minimum:389 mm, maximum:389 mm
	distance from vertical plane passing through the axis of the rear axle	Minimum:424 mm, maximum:424 mm

Three-point lifting mechanism

39.1. Three-point lifting mechanism: from mounted/rear mounted/both front and rear mounted/inexistent N.A.

39.2. Maximum towable mass: N.A.

Additional coupling points

40.1. Additional coupling points: yes/no/optional N.A.

Power take-off(s)

51.2. Main PTO: Position: front/rear/other N.A.

51.3. Secondary PTO: Position: front/rear/other N.A.

51.2.3. Optional: Power at the power take-off (PTO) at the rated speed(s) (in accordance with OECD Code 2 or ISO789-1:1990 (Agricultural tractors-Test procedures-Part 1: Power tests for power take-off)): N.A.

Result 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) 2022/518

Moving: **84.0 dB(A)**Stationary: **75.5 dB(A)**Engine speed: **5175 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: **83.4 dB(A)**

Test method used: Test method 2 in accordance with: section 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) 2022/518 yes/no; or

- Regulation (EU) 2016/1628 of the European Parliament and of the Council, as last amended by Regulation (EU) 2022/992 yes/no; or

- Regulation (EC) No 595/2009 of the European Parliament and of the Council, as last amended by Regulation (EU) 2019/1242 : yes/no;

Emissions	CO (g/kWh)	HC (g/kWh)	NO _x (g/kWh)	HC + NO _x (g/kWh)	PM (g/kWh)	PN (#/kWh)	Test Cycle ⁽¹⁾
NRSC ⁽²⁾ /ESC/WHSC ⁽⁴⁾	113.15	---	---	6.38	N.A.	N.A.	G1
NR transient test ⁽³⁾ /ETC/WHTC ⁽⁴⁾	---	---	---	---	---	---	---
CO ₂ result ⁽⁴⁾ (g/kWh): 1169.21							
<p>Explanatory notes:</p> <p>For engines tested on heavy duty test cycles, indicate the final test results (inclusive of Deterioration Factor) and the CO₂ result of the ESC/WHSC or ETC/WHTC test in accordance with Regulation (EC) 595/2009.</p> <p>For engines tested on non-road test cycles, indicate the applicable information of the Test Report For Non-Road Engines set out in Appendix 1 to Annex VI to Commission Implementing Regulation (EU) 2017/656, in accordance with the following explanatory notes:</p> <p>(1) For NRSC, note the cycle indicated in point 9.1 (Table 4) of; for transient test note the cycle indicated in point 10.1 (Table 8).</p> <p>(2) Copy the "Final test result with DF" results from Table 6.</p> <p>(3) Copy the "Final test result with DF" results from Table 9 or, as applicable, from Table 10.</p> <p>(4) For an engine type or engine family that is tested on both the NRSC and a non-road transient cycle, indicate the hot cycle CO₂ emissions values from the NRTC noted in point 10.3.4 or the CO₂ emissions values from the LSI-NRTC noted in point 10.4.4. For an engine only tested on an NRSC indicate the CO₂ emissions values given in that cycle from point 9.3.3.;</p>							

Comments: EC declaration of conformity in accordance with 2006/42/EC for winch mounted on the vehicle