



YM430-X



TIPPER

AMOUNT	5
BRAND	YANWA
MODEL	YM430-X
YEAR	2023

ENGINE

BRAND	YANWA
MODEL	KM7,7-430
TYPE	DIESEL, TURBO INTERCOOLED
CYLINDERS	6 IN LINE
COMPRESSION RATIO	17.5:1
CYLINDER CAPACITY	7790CC
POWER	430 TO 2800RPM
TORQUE	1830NM AT 2200RPM
FUEL TANK	348L (92GL)
REFRIGERATION	BY WATER
EMISSIONS SYSTEM	EURO III



TIPPER GENERAL DIMENSIONS

LONG	8470MM
BROAD	2530MM
HIGH	3400MM
DISTANCE BETWEEN AXIS	3825MM + 1350MM

CLUTCH

TYPE	SINGLE DRY DISC (REINFORCED)
DIAMETER	430MM
DRIVE	HYDRAULIC

TRANSMISSION

TYPE	MANUAL
TYPE OF SYSTEM	SYNCHRONIZED
RELATIONS	11:13.15 12:10.35 13:8.22 14:6.52 15:5.13 16:4.10 17:3.21 18:2.53 19:2.01 110:1.59 111:1.25 112:1.00 R1:12.58 R2:3.07
OPERATION TYPE	BY WIRES
TRACTION	6X4
CONE/CROWN FINAL RATIO	5.26

SUSPENSION

FRONT SUSPENSION	9 SEMI-ELLIPTICAL LEAF SPRINGS ON RIGID SHAFT STABILIZER BAR TELESCOPIC SHOCK ABSORBERS
REAR SUSPENSION	TANDEM 12 HEAVY DUTY LEAF SPRINGS DOUBLE STABILIZER BAR
FRONT AXLE	LOAD CAPACITY 8000 KG RIGID SHAFT
REAR AXLE	LOAD CAPACITY 13000KGX2 (26000KG) SINGLE REDUCTION AXLE WITH REDUCTION HUBS

BRAKES

SERVICE BRAKE	DRUM FULL DOUBLE AIR CIRCUIT (PNEUMATIC) ABS AIR DRYER INDEPENDENT
PARKING BREAK	BLOCK VALVE TO AIR SYSTEM TIRE TYPE
ASSISTANT	VALVE ENGINE BRAKE

CABIN

TYPE	FOLDING
MATERIAL	METAL (SHEET STEEL)
INCLUDES	BUNK (WITH SUSPENSION)
PASSENGERS	2 (DRIVER AND PASSENGER)
PASSENGER SEAT	SEAT BELT (3 FIXING POINTS) PNEUMATICALLY ADJUSTABLE SEAT
DRIVER SEAT	SEAT BELT (3 FIXING POINTS) PNEUMATICALLY ADJUSTABLE SEAT

INSTRUMENTS AND GAUGES

FUEL GAUGE	INCLUDES
OIL PRESSURE GAUGE	INCLUDES
WATER TEMPERATURE GAUGE	INCLUDES
SPEEDOMETER	INCLUDES
ODOMETER	INCLUDES
TACHOMETER	INCLUDES
WARNING LIGHTS	INCLUDES
INDICATOR LIGHTS	LIGHT FOR DAY LED LIGHT IN HEADLIGHTS AND DOORS TURN SIGNALS REVERSING LIGHTS

CABIN - INCLUDES

RADIO (AM/FM + BLUETOOTH + USB)	INCLUDES
HEATING / VENTILATION (4 SPEED SURROUND)	INCLUDES
WINDOWS (ELEVATION ELECTRIC MOTOR)	INCLUDES
A/C	INCLUDES
REARVIEW MIRRORS (ELECTRIC)	INCLUDES (OPTIONAL DEFROSTER)
STEERING COLUMN (ADJUSTABLE)	INCLUDES
CABIN LIFTING SYSTEM (ELECTRIC)	INCLUDES
NEBLINEROS	INCLUDES
3-SPEED WINDSHIELD WIPER	INCLUDES
CENTER CONSOLE WITH CUP HOLDER	INCLUDES
LOGOS ACCORDING TO THE CONTRACTING ENTITY	INCLUDES

ADDRESS

TYPE	RECIRCULATING BALLS
SYSTEM	HYDRAULICALLY ASSISTED

TIRES

AMOUNT	10 WHEELS + 1 EMERGENCY
NUMERATION	295/80 R22.5
NO. OF CANVASES	18
MAXIMUM LOAD	3350KG
INFLATION PRESSURE	131PSI
TILLING DEPTH	20MM

ELECTRIC SYSTEM

RATED VOLTAGE	24V
NO. BATTERIES	2
BATTERY SPECIFICATION	12V/165AH

ELECTRICAL SYSTEM-INCLUDES

ELECTRIC HORN	INCLUDES
BACKUP ALARM	INCLUDES
CENTER LOCK	INCLUDES

TOOLS (1 KIT PER ROAD TEAM - TIPPER)

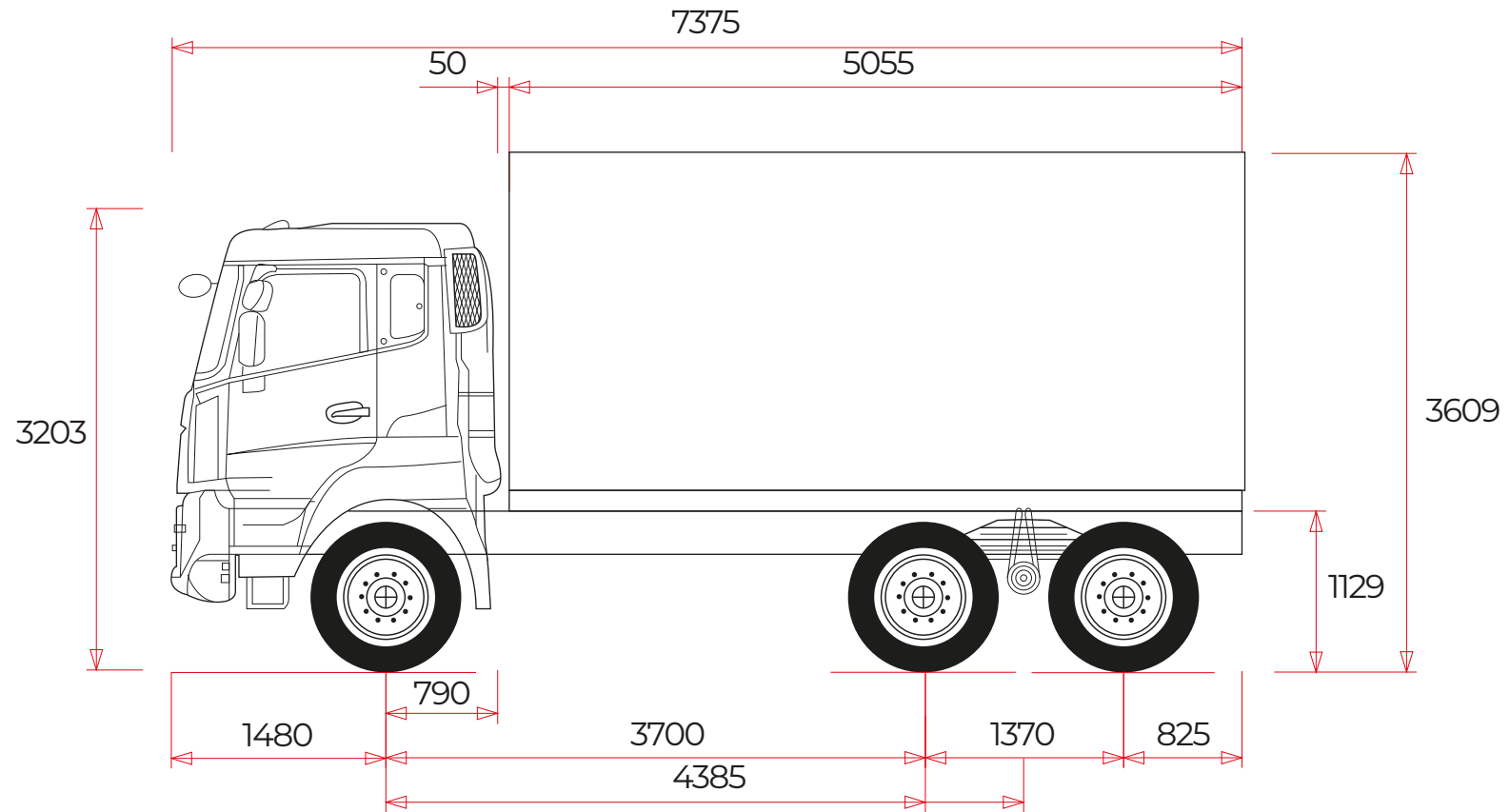
HYDRAULIC BOTTLE JACK	15 TONS ACTION LEVER JACK KEY
TYPE I WHEEL WRENCH	32X30 FORCE LEVER
WHEEL LOCK STUDS (2 UNITS)	POLYURETHANE 6.2KG 39.4X21.6X21 CM (LXWXH)
TOOLBOX	PLIERS SCREWDRIVER PHILLIPS SCREWDRIVER COMBINATION WRENCHES (10 TO 23)MM
TOOLBOX	PQS TYPE CLASS A,B,C FIRES 10KG
FIRST AID KIT	RUBBING ALCOHOL HYDROGEN PEROXIDE POROUS ADHESIVE TAPE GAUZE COTTON BANDAGE (1 TRIANGULAR - 1 LONGITUDINAL) SCISSORS ANALGESICS (PARACETAMOL -IBUPROFEN) GLOVES
FLASHLIGHT	LED TYPE
SAFETY TRIANGLES	2 UNITS 50 CM EACH SIDE FLUORESCENT SURFACE ABS MATERIAL RED REFLECTIVE PLATE POLYETHYLENE BASE (WEIGHT 2KG)



YANWA



DIMENSIONS



EQUIPMENT

AIR CONDITIONING, ELECTRIC WINDOWS, ELECTRIC DOOR LOCKS, RECLINING SEATS, DRIVER SEAT WITH AIR SUSPENSION, DRIVER AND PASSENGER SUN VISOR, INTERMITTENT WINDSHIELD WIPERS, 3-POINT SEAT BELTS, EXTERIOR REARVIEW MIRRORS, FRONT FOG LIGHTS, HALOGEN FRONT LIGHTS, REAR LIGHTS, ELECTRIC WHISTLE, SIDE IMPACT BARS, OPENING CAB, FUEL TANK WITH KEY.

PREVENTIVE MAINTENANCE CONDITIONS

MAINTENANCE

TO ENSURE SAFE OPERATION AND AVOID MAJOR EXPENSES, PERIODIC MAINTENANCE MUST BE CARRIED OUT, SUCH AS THOSE DESCRIBED BELOW IN THIS CHAPTER.

DAILY MAINTENANCE

REGULAR MAINTENANCE ROUTINES MUST BE ESTABLISHED, AND WITHIN THE ROUTINES, ACTIVITIES SUCH AS INSPECTION (I) WHICH MAY ALSO INCLUDE CLEANING; FIT(A); REPLACEMENT OR CHANGE (R); TORQUE OR TIGHTEN (T) AND LUBRICATION OR GREASE (L).

MAINTENANCE ROUTINES

BELOW ARE TABLES THAT CONTAIN INFORMATION ON MAINTENANCE FREQUENCIES AND THE VEHICLE ELEMENTS AND SYSTEMS TO WHICH THEY SHOULD BE APPLIED, IN ORDER TO IMPROVE VEHICLE PERFORMANCE AND INCREASE THE USEFUL LIFE OF ITS COMPONENTS.

THERE ARE SOME ELEMENTS OR SYSTEMS THAT ARE HIGHLIGHTED WITH AN ASTERISK (*), IN ORDER TO CLARIFY THAT IF THE VEHICLE IS NOT SUBJECTED TO NORMAL CONDITIONS BUT RATHER DIFFICULT CONDITIONS, SPECIAL CARE MUST BE TAKEN AND THE FREQUENCY OF MAINTENANCE INCREASED.

WHENEVER A ROUTINE IS PERFORMED, THE MILEAGE OF THE VEHICLE SHOULD BE RECORDED IN ORDER TO KEEP PROPER CONTROL OF ITS FUNCTION, OPERATION AND MAINTENANCE.

MAINTENANCE ROUTINES

(I): INSPECTION THAT MAY ALSO INCLUDE CLEANING; (A): ADJUSTMENT; (R): REPLACEMENT OR EXCHANGE; (T): TORQUE OR SQUEEZE; (L): LUBRICATION OR GREASING.

Maintenance Period Kilometres x(1000)																					Meses	
	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Shock absorbers			I		I		I		R		I		I		I		R		I		I	6
Shock Absorber Lubrication			I		I		I		I		I		I		I		I		I		I	6
Wheels																						
Wheel bolts	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	6
Wheel damage					I				I				I				I				I	12
Bearing grease			R		R		R		R		R		R		R		R		R		R	12
Pair pressure in tires			I		I		I		I		I		I		I		I		I		I	6
Electric dispositives																						
Battery fluid			I		I		I		I		I		I		I		I		I		I	6
Lights, whistle			I		I		I		I		I		I		I		I		I		I	6
Wiper Arms, Wipes			I		I		I		I		I		I		I		I		I		I	6
Glasses and mirrors			I		I		I		I		I		I		I		I		I		I	6
Bodywork and painting			I		I		I		I		I		I		I		I		I		I	6
Cabin supports	I								I								I					24

TECHNICAL WARRANTY

Minimum 1 year or 100,000 km for the chassis and at least 1 year for the hopper: from the date of the Total Reception Delivery Certificate, provided that preventive maintenance is carried out in accordance with the manufacturer's instructions and by personnel qualified by the authorized distributor in Ecuador through field intervention with mobile workshops and/or at authorized mechanical service workshop stations.

Mandatory compliance with the provisions of the Principle of Technological Validity, applied to vehicles Art. 121 of the RESERCOP-2016-0000072.

- Immediate replacement in the event of manufacturing defects, deficiencies in maintenance work, absence of spare parts, accessories, parts and parts of the good, among others, that hinder its normal operation and the continuity in the provision of public services;
- Validity of the technical guarantee for a minimum of 1 year or 100,000 km, whichever occurs first;
- Periodic preventive and corrective maintenance,
- Temporary replacement of assets during maintenance work that prevents their use.

In addition, the technical guarantee includes:

- Coverage of spare parts, accessories, parts and pieces of the goods, for which the supplier must guarantee their availability during the term of the technical guarantee;
- Provision of accessory spare parts, parts and pieces necessary for periodic and corrective preventive maintenance;
- Clear, precise and effective procedures for the execution of the technical guarantee and specific cases in which the temporary and definitive replacement of the goods is guaranteed, as well as clear identification of the exclusions of coverage of the technical guarantee;
- Optimum response times and maximum terms for periodic preventive and corrective maintenance and temporary or permanent replacement of the goods; and, Arrangement of authorized service workshops for periodic preventive or corrective maintenance of the asset.
- Mandatory replacement the replacement of the goods in application of the technical guarantee that for the purpose of this provision may be temporary or permanent.

Temporary replacement. -It is one that is carried out within the framework of corrective maintenance. Temporary replacement includes the immediate delivery of a good with the same or greater characteristics or technical specifications for the duration of the aforementioned maintenance.

Definitive replacement. -The definitive replacement will operate in the event that the good must be replaced by a new one of the same or greater characteristics or technical specifications when it presents manufacturing or operating defects during its operation, in the case of being acquired or leased, since it cannot be repaired. with corrective maintenance and, as long as it is not a damage derived from misuse or operation.

The definitive replacement will also operate in the event of replacement of the goods when their useful life has expired when, in the case of acquisition of the goods to which the principle of technological validity applies, the contracting entities have provided for the repurchase of the goods by from the contractor or receive them as part of the payment for new goods with similar or greater technical characteristics.

Stock guarantee of original spare parts for the useful life of the equipment.

The guarantee includes the expenses for Transportation (truck with low bed) in the case of failures due to manufacturing defects, without any cost to the contracting entity.

The Technical Guarantee applies as long as it is NOT a damage or malfunction derived from misuse or operation by the CLIENT's personnel, and that the preventive and corrective maintenance have been carried out in accordance with the maintenance plan and in workshops authorized by the manufacturer. in Ecuador and by personnel qualified by the Authorized Distributor.

- For which, once the damage or malfunction in the machinery is presented, a root cause analysis will be carried out and it will be delivered to the client with the results obtained, in order to exclude that they have been caused by mishandling. or operation of the machinery by the CLIENT's personnel.



TOLVA - 14M³

Especificaciones Tecnicas Ofertadas



Tolva

Procedencia	Ecuatoriana
Color	Acorde a color de cabina
Capacidad	14 m ³ a nivel de agua
Largo	5600mm
Ancho	2300mm
Alto	1100mm
Sistema de elevación	Hidráulico Telescópico
Etapas	3
Apertura de compuerta	Neumática (En cabina) Ganchos de seguridad Actuador (Pulmón de doble acción)

Método de construcción tolva

Material para piso	Acero ASTM-A36 (2440x1200x8 mm)
Material para laterales	Acero ASTM-A36 (2440x1200x6 mm)
Material para parte frontal	Acero ASTM-A36 (2440x1200x6 mm)
Material para compuerta	Acero ASTM-A36 (2440x1200x6 mm)
Tipo de soldadura	GMAW (Gas Metal Arc Welding)
Tipo de material de aporte	MIG 70S-6
Tipo de cordón de soldadura	Cordón continuo
Tipo de recubrimiento	Fondo Anticorrosivo / Pintura poliéster

Sistema elevación de tolva

Tipo	Hidráulico
Bomba hidráulica	De engranajes
Tipo aceite	Hidráulico
Capacidad tanque hidráulico	120 l
Material de tanque	Aluminio
Tanque de aceite	Con medidor / sistema de filtrado interno

Guarda fangos (Ruedas posteriores)

Material	Metal (6 ruedas)
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Tolva - Incluye

Porta ruedas	Incluye
Escaleras perimetrales (2)	Incluye
Ganchos para carpa	Incluye

