



**YINW YANWA**  
PROFESIONAL MACHINERY





# GARBAGE REAR LOADER TRUCK

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## YN-CTYD3-L



## GARBAGE REAR LOADER TRUCK DATA SHEET

AMOUNT 1

BRAND YANWA

MODEL YN-CTYD3-L

YEAR OF PRODUCTION 2023

ORIGIN CHINA

TYPE WALKED CHASSIS

GVWR 27000KG

### CLUTCH

TYPE SINGLE DRY DISC (REINFORCED)

DIAMETER 430MM

DRIVE HYDRAULIC/MANUAL





## ENGINE

BRAND	YANWA
MODEL	YM7,7-330
FUEL	DIESEL
INJECTION SYSTEM	COMMON RAIL HIGH PRESSURE DIRECT INJECTION ELECTRONICS
COMBUSTION	INTERNAL 4 TIMES
POWER	330 HP AT 2,200 RPM (246 KW AT 2,200 RPM)
CYLINDER CAPACITY	7700CC
NO. OF CYLINDERS	6 IN LINE
NET TORQUE	1200 NM @ 1600RPM
EMISSIONS SYSTEM	EURO III
INTAKE SYSTEM	TURBO INTERCOOLER WITH DOUBLE AIR FILTERING
ENGINE BRAKE	IN VALVES AND EXHAUST
FUEL TANK	348L (92GL) LOCKABLE TANK COVER WITH WATER SEPARATOR FILTER - FUEL
REFRIGERATION	BY WATER
ADDITIONAL FUEL PURIFICATION SYSTEM	ADDITIONAL FILTER SYSTEM FOR INCREASED FUEL PERFORM- ANCE AND ENGINE PROTEC- TION
EXHAUST SYSTEM	WITH SILENCER OUTGOING VERTICAL EXHAUST PIPE ABOVE CAB ANGLED AT 90°

## TRANSMISSION

TYPE MANUAL/MECHANICAL

BRAND YANWA

MODEL GB12YTM26T

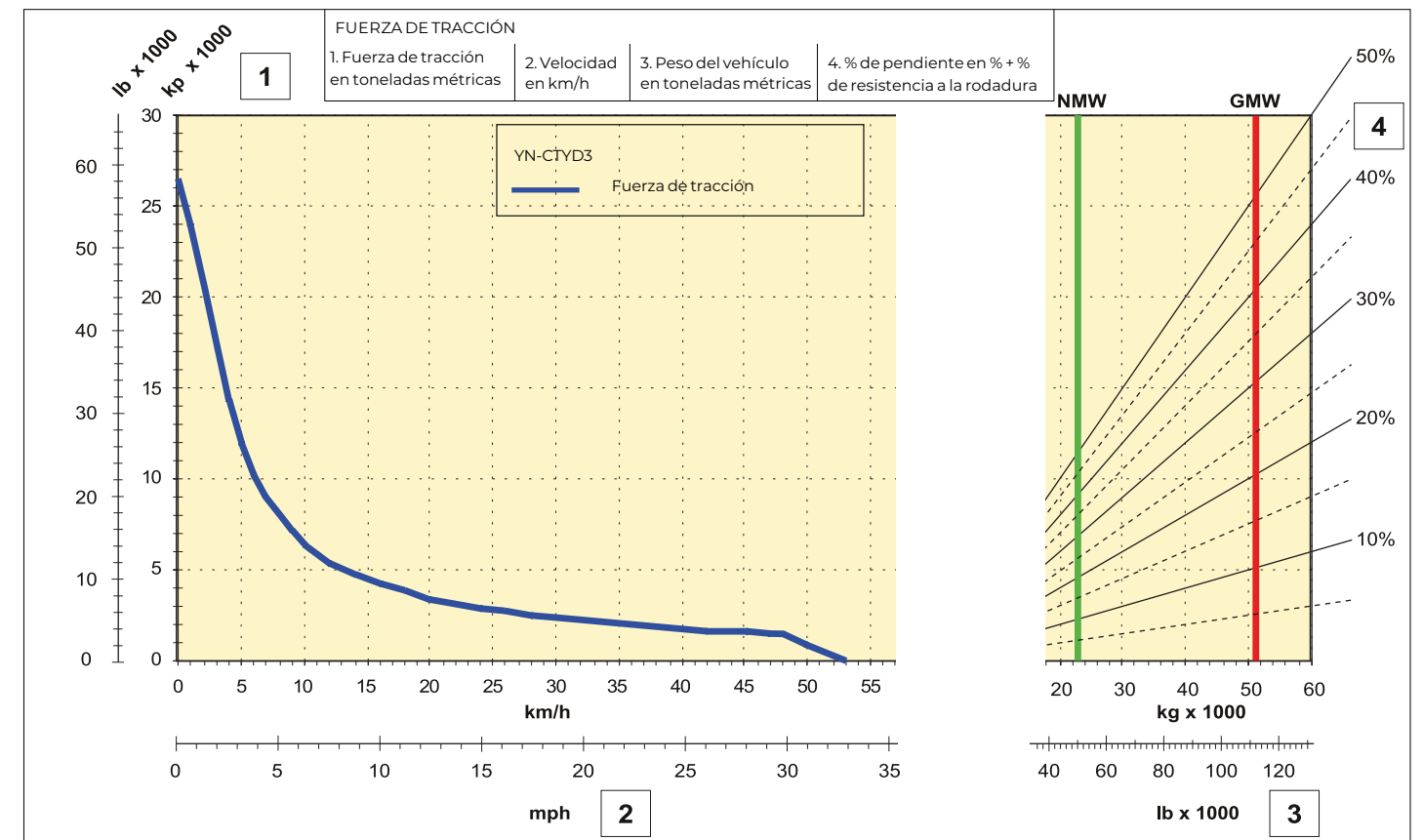
TYPE OF SYSTEM SYNCHRONIZED

NUMBER OF GEARS FORWARD (12)/  
REVERSE (2)

OPERATION TYPE BY WIRES

GEAR RATIO 18.4:1 MOUNTAINEER

TRACTION 6X4



### Instrucciones

Las líneas diagonales representan la resistencia total (% de inclinación más % ± de resistencia a la rodadura).

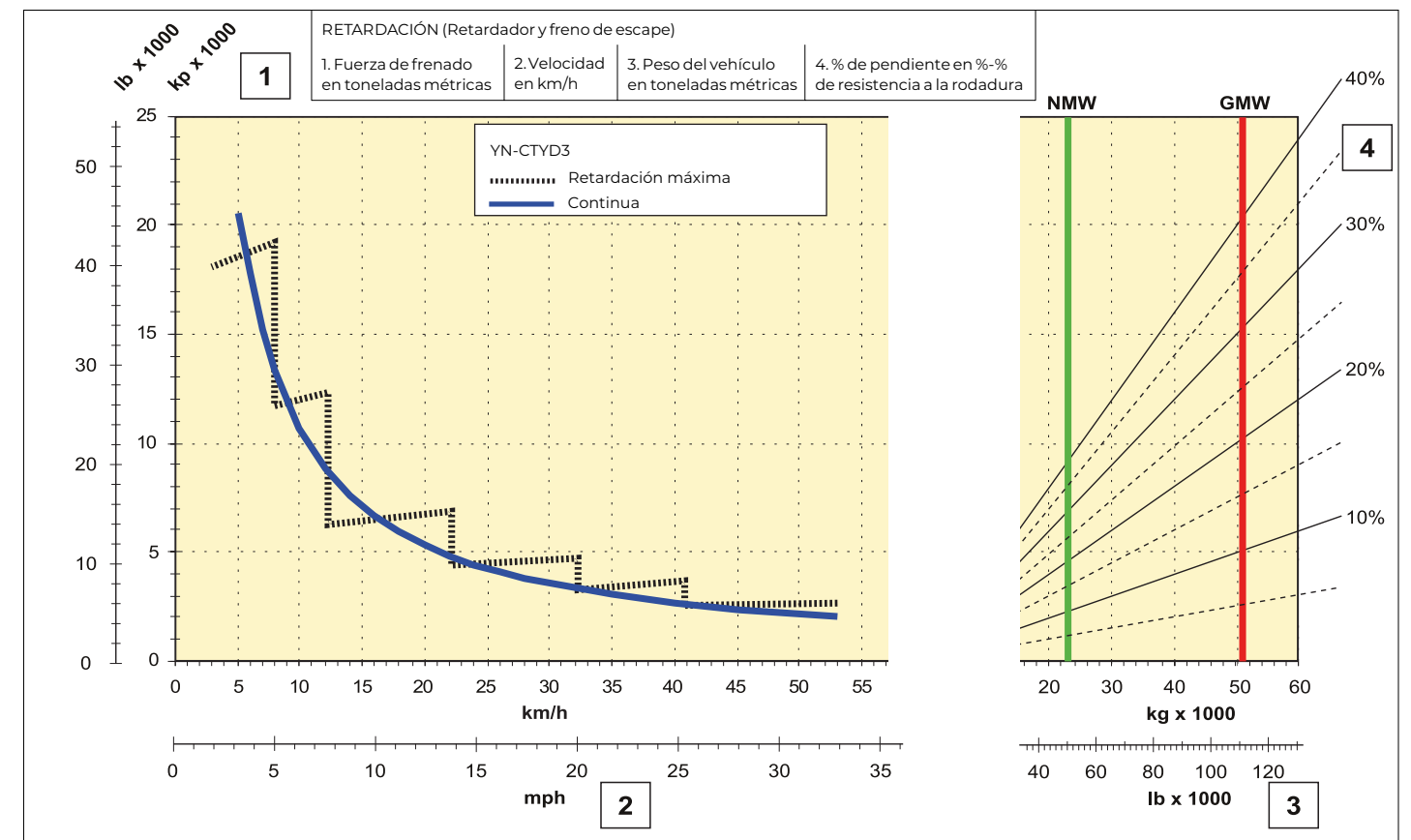
Gráficos para 0% de resistencia a la rodadura, y neumáticos y marchas estándar, si no se indica otra cosa.

A. Encontrar la línea diagonal indicadora de la resistencia total apropiada en el lado derecho del gráfico.

B. Seguir la línea diagonal hacia abajo, hasta que cruce la línea correspondiente al peso del vehículo. GMW (peso total). NMW (tara).

C. Trazar una nueva línea horizontalmente hacia la izquierda desde el punto de intersección obtenido hasta que la nueva línea cruce la curva de fuerza de tracción, o de fuerza de retardación.

D. Leer la velocidad actual.



## BRAKES

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### SERVICE BRAKE

- DRUM
- FULL DOUBLE AIR CIRCUIT (PNEUMATIC)
- ABS
- EBD
- AUTOMATIC TRACTION CONTROL (ANTI-SKID SYSTEM)
- INTEGRATED AIR DRYER
- INDEPENDENT

### PARKING BREAK

- PNEUMATIC LOCKING VALVE FOR REAR WHEELS
- BOARD ACTUATOR
- SPRING ACTUATORS IN POSTERIOR CHAMBERS
- TIRE TYPE

### AUXILIARY BRAKE (ENGINE BRAKE)

- TO VALVES
- INTERACTION WITH ACCELERATOR AND BRAKE PEDAL

## ADDRESS

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TYPE	RE-CIRCULATING BALLS
SYSTEM	HYDRAULICALLY ASSISTED

## SUSPENSION SYSTEM

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### FRONT SUSPENSION

- 9 SEMI-ELLIPTIC CROSSBOW BLADES ON RIGID SHAFT
- STABILIZER BAR
- DOUBLE ACTION TELESCOPIC SHOCK ABSORBERS
- LOAD CAPACITY 8000KG

### REAR SUSPENSION

- REINFORCED TANDEM
- 12 PACKS OF INVERTED SPRING ACTION PROGRESSIVE
- FLOATING TYPE
- LOAD CAPACITY 26000 KG

### FRONT AXLE

- LOAD CAPACITY 8000 KG
- RIGID AXLE (NO DRIVE)

### REAR AXLE

- LOAD CAPACITY 1300KGX2 (26000KG)
- DOUBLE AXIS  
TANDEM TYPE  
FLOATING  
SINGLE REDUCTION AXLE WITH REDUCTION HUBS





### DIFFERENTIAL

SYSTEM	INTER-AXIAL LOCK
RELATIONSHIP	5.4:1

### CHASSIS

PAYLOAD CAPACITY 15 TON

INCLUDES PIN-HOLE SYSTEM FRONT TRAILER HITCH

MATERIAL	HIGH QUALITY GRADE 60 STRUCTURAL STEEL
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THICKNESSES OF STRUCTURE MATERIALS	STRINGER (8MM) REINFORCEMENT (7MM)
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### TIRES

AMOUNT	10 WHEELS(WITH RIMS)
EMERGENCY	1 WHEEL WITH RING AND SUPPORT BASE
NUMERATION	295/80 R22.5
NO. OF CANVASES	18 / (FOR HEAVY DUTY)
MAX LOAD PER WHEEL	3350KG
INFLATION PRESSURE	131PSI
TILLING DEPTH	20MM

### ELECTRIC SYSTEM

RATED VOLTAGE	24V
NO. BATTERIES	2
BATTERY TYPE (EACH)	12V/165AH



## ELECTRICAL SYSTEM INCLUDES

DAY LIGHTS	INCLUDES
HEADLIGHTS	INCLUDES
FRONT HALOGENS	INCLUDES
LONG RANGE HALOGENS (RECESSED AND WITH PROTECTION) LOCATED IN THE LOWER LEFT AND RIGHT PART OF THE COLLECTION BOX (CONTROLS IN CABIN)	INCLUDES
LONG RANGE OVER CAB BEACON/STROBE LIGHT (IN-CAB CONTROLS)	INCLUDES
LONG RANGE BEACON/STROBE LIGHT ON GRABBER BOX (IN-CAB CONTROLS)	INCLUDES
REAR LIGHTS	INCLUDES
DIRECTIONAL LIGHTS (FRONT AND REAR)	INCLUDES
REVERSING LIGHTS	INCLUDES
LATER HALOGENS	INCLUDES
STROBE LIGHT (1 ON CABIN)	INCLUDES
ELECTRIC HORN	INCLUDES
BACKUP ALARM	INCLUDES
CENTER LOCK	INCLUDES

## CAB - SHORT - OVER ENGINE

TYPE	FOLDING
MATERIAL	METAL (SHEET STEEL)
PROTECTION	ANTI VANDALISM
CLOSE OF DOORS	MANUAL
GLASSES	OF SECURITY
COLOR	WHITE OR TO BE SPECIFIED BY THE BUYER
PASSENGERS	2 (DRIVER AND PASSENGER)
PASSENGER SEAT	RETRACTABLE SEAT BELT (3 FIXING POINTS) AIR SUSPENSION PNEUMATICALLY ADJUSTABLE SEAT
DRIVER SEAT	RETRACTABLE SEAT BELT (3 FIXING POINTS) AIR SUSPENSION PNEUMATICALLY ADJUSTABLE SEAT



## CABIN INCLUDES

RADIO (AM/FM + USB PORT + BLUETOOTH + 9" SCREEN)	INCLUDES
BACKUP CAMERA LINKED TO RADIO SCREEN	INCLUDES
HEATING / VENTILATION (4 SPEED SURROUND)	INCLUDES
WINDOWS (ELEVATION ELECTRIC MOTOR)	INCLUDES
A/C	INCLUDES
IN-DASH USB PORT FOR ACCESSORIES (TWO)	INCLUDES
12 VOLT OUTLET (ONE)	INCLUDES
CONTROL PANEL	INCLUDES
STANDARD LIGHTS	INCLUDES
HALL LIGHTS	INCLUDES
LIGHTS IN DOORS	INCLUDES
COMPLETE KIT OF MIRRORS	INCLUDES
REARVIEW MIRRORS (ELECTRIC)	INCLUDES (OPTIONAL DEFROSTER)
BLIND SPOT MIRRORS	INCLUDES
STEERING COLUMN (ADJUSTABLE)	INCLUDES
CABIN LIFTING SYSTEM (ELECTRIC)	INCLUDES
NEBLINEROS	INCLUDES
3-SPEED WINDSHIELD WIPER (INTERMITTENT)	INCLUDES
PARASOLS	INCLUDES
CENTER CONSOLE WITH CUP HOLDER	INCLUDES
REFRACTIVE BANDS FOR NIGHT WORK	INCLUDES

DASHBOARD ACCESSORY: 2 USB PORTS + 1 PORT FOR 12 VOLT OUTLET



## DASHBOARD AND GAUGES

FUEL GAUGE	INCLUDES
ENGINE OIL PRESSURE GAUGE	INCLUDES
AIR PRESSURE GAUGE	INCLUDES
BATTERY CHARGE INDICATOR	INCLUDES
FUEL LEVEL INDICATOR	INCLUDES
BRAKE AIR PRESSURE GAUGE	INCLUDES
ENGINE TEMPERATURE GAUGE	INCLUDES
SPEEDOMETER	INCLUDES
METRIC ODOMETER	INCLUDES
TACHOMETER	INCLUDES
HOUR METER	INCLUDES
LOW LEVEL MONITORING	REFRIGERANT MOTOR OIL

## ADDITIONAL:

### MUD GUARD (REAR WHEELS)

MATERIAL	METAL
TIRE INFLATION HOSE	10M WITH QUICK COUPLING TO AIR STORAGE TANK



## COLLECTION BOX – REAR LIFTER SYSTEM

BRAND	YANWA
MODEL	YC25-L
ORIGIN	CHINA
YEAR OF PRODUCTION	2023
COMPACTOR BOX BODY CAPACITY	25 YD3 / 19.1 M3
REAR HOPPER CAPACITY	3 YD3 / 2.3 M3
COMPACTION FORCE	3 YD3 / 2.3 M3
COMPACTION FORCE	840 KG/M3 (DEPENDING ON THE DENSITY OF THE GARBAGE)
DEGREE OF COMPACTION	4.2:1 (DEPENDING ON THE DENSITY OF THE TRASH)
CHARGING WAY	REAR (MANUAL + AUTOMATIC LIFTER)
HEIGHT IS LOADED	1100MM
TAILGATE LOCKING SYSTEM	FULLY HYDRAULIC SYSTEM
REAR LOADING LIFTER SYSTEM	INCLUDES
UNASSEMBLED BOX WEIGHT	6900 KG (INCLUDING LIFTER)
DRIVE	HYDRAULIC CONTROLS IN CABIN
THE SYSTEM ALLOWS THE COMPACTION OF GARBAGE WITH THE VEHICLE STOPPED	
LUBRICATION TYPE MOVING ELEMENTS	MANUAL (LUBBER)
POST DISCHARGE COVERING	EJECTOR PANEL
<ul style="list-style-type: none"><li>● HIGH SOLIDS EPOXY PRIMER (ANTICORROSIVE)</li><li>● HIGH PERFORMANCE POLYURETHANE PAINT AND HIGH SOLIDS</li><li>● WHITE COLOR OR TO BE AGREED WITH THE BUYER</li></ul>	

OIL TANK CAPACITY	170 LT (45 GL) WITH SIGHT GLASS LOCATED AT THE TOP OF THE COLLECTION BOX WITH LOCK-TYPE SECURITY COVER
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### HYDRAULIC SYSTEM FILTERS

- IN SUCTION LINE FILTERING CAPACITY OF 140 UM (MICRONS)
- IN RETURN LINE FILTERING CAPACITY OF 10 UM (MICRONS)
- IN MESH 100 SUCTION LINE
- BREATHING FILTER IN TANK COVER

HYDRAULIC SYSTEM OPERATING PRESSURE	2538 PSI / 175 BAR
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COMPACTION CYCLES / CONTINUOUS COMPACTION TIMES WITH AUTOMATIC RPM ACCELERATION	4 STAGES / 18 - 22 SEC
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DISCHARGE CYCLES	30 - 35 SEC
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### CYLINDERS

COMPACTION CYLINDER (2 UNITS)	4.1/2" DOUBLE ACTING, CHROME STEM
SWEEPING CYLINDER (2 UNITS)	4.1/2" DOUBLE ACTING, CHROME STEM
EJECTOR CYLINDER (1 UNIT)	DOUBLE ACTING-4 STAGES- 6", WITH NITRIDED STEM
HOPPER LIFT CYLINDER (2 UNITS)	3.1/2" SINGLE ACTING, CHROME STEM

### HYDRAULIC PUMP

TYPE	GEARS
PUMP COMMANDS	IN CABIN
PTO COMMAND	IN CABIN
FLOW	20 GPM @ 1200 RPM
TRUCK POWER TAKE OFF (PTO) TYPE	COUPLE WITH MOTOR



## DRAWER MANAGEMENT AND CONTROL VALVES

### VALVE A

TYPE	DOUBLE VALVE
DRIVE	LEVERS
LEVERS LOCATION	FRONT LEFT
DISCHARGE CONTROL SYSTEMS	EJECTOR PANEL REAR HOPPER LIFT

### VALVE B

TYPE	DOUBLE VALVE
DRIVE	LEVERS
LEVERS LOCATION	HOPPER RIGHT SIDE
CONTROL SYSTEMS	COMPACTION PANEL SWEEP PANE

SYSTEM ALLOWS STOPPING AND REVERSING THE CYCLE AT ANY TIME (ANSI Z 245.1 STANDARD)

BOTH VALVE A AND B CANNOT BE ACTUATED SINCE IT HAS A 100% HYDRAULIC LOCKING AND UNLOCKING SYSTEM LOCATED IN THE CABIN.

THE BOX OPERATION CONTROL SYSTEM HAS AN EMERGENCY STOP BUTTON

## CONSTRUCTION MATERIALS FOR THE DRAWER-HOPPER (STEELS WITH HIGH RESISTANCE TO ABRASION, CORROSION AND LEACHATE)

MATERIAL	A572 STRUCTURAL STEEL (GRADE 50 AND GRADE 70)
FLOOR BOX	GRADE 50 THICKNESS 5MM)
BOX SIDE WALLS	GRADE 50 THICKNESS 4.75MM
ROOF BOX	GRADE 50 THICKNESS 3.5MM
HOPPER FLOOR	HARDOX AR450 THICKNESS 6MM
HOPPER LOWER SIDES	GRADE 70 THICKNESS 4.75MM
COMPACTOR PLATE	GRADE 50 THICKNESS 4.75MM
SWEEPING BLADE	GRADE 50 THICKNESS 4.75MM, CONCAVE SURFACE
COMPACTOR PLATE GUIDES	LONG-LASTING POLYMER SHIMS
EJECTOR PANEL GUIDES	GRADE 50 THICKNESS 6.3MM SEPARATED FROM THE FLOOR (AVOIDS ACCUMULATION OF RESIDUES)

### BOX COATING

- HIGH RESISTANCE AND HIGH SOLIDS EPOXY ANTICORROSIVE PAINT BASE
- HIGH SOLID POLYURETHANE FINISH OF HIGH RESISTANCE AND PERFORMANCE

## EXTERNAL DIMENSIONS OF THE DRAWER

TOTAL LENGTH TAILGATE CLOSED	7112MM
TOTAL LENGTH TAILGATE OPEN	8077MM
TOTAL HEIGHT TAILGATE CLOSED	3073MM
FULL HEIGHT TAILGATE OPEN	4445MM
HOPPER INNER WIDTH	2052MM
HOPPER OPENING HEIGHT	1448MM
FULL WIDTH WITH STEPS	2591MM
TOTAL HEIGHT OF THE BOX FROM THE FRAME	2438MM
CAB TO FRAME LENGTH	5486MM

## DRAWER INCLUDES

ANTI-SKID STIRRUPS	FOR 3 OPERATORS
HANDLES	FOR 3 OPERATORS
AUDIBLE ALARM (DRIVER AND OPERATORS COMMUNICATION)	INCLUDES
LEACHATE CHUTE	100 LT CAPACITY BETWEEN BOX AND HOPPER (LOWER)
INSTITUTION STICKERS (DESIGN ACCORDING TO THE BUYER)	LOCATED ON BOTH SIDES OF THE BOX
REGULATORY TRAFFIC LIGHTS ON THE ROAD	LOCATED ON THE BACK AND SIDES OF THE BOX
LIGHTS FOR NIGHT WORK	4 LED LIGHTS LOCATED ON THE BACK OF THE BOX
SOUND SYSTEM	SOUND AMPLIFIER 24V TO 110V POWER CONVERTER EXTERNAL HORN 6GB USB FLASH DRIVE



## NOTE:

DESIGN OF THE BODY OF THE WASTE COLLECTOR BOX, IT IS SPECIFICALLY DESIGNED WITH A SEPARATION BETWEEN THE EJECTOR PANEL GUIDE, THUS AVOIDING THE ACCUMULATION OF LEACHATE IN THE CORNERS OF THE BOX, IT ALSO HAS A HIGH-RESISTANCE DEPOSIT THAT ACCUMULATES THE LIQUID AND SOLID WASTE WITH A CAPACITY OF 100 LT, THE AUTOMATIC VENTING SYSTEM ALLOWS LEACHATE AND SOLIDS ACCUMULATED IN THE TANK TO BE EVACUATED WITHOUT OPERATOR INTERVENTION.

## FOLDING ARMS LIFTER FOR PIN-TYPE CONTAINERS

### CHARACTERISTICS

DUMPSTER GRIP TYPE	PIN TYPE
LIFTING CAPACITY	1000KG
COMPATIBLE FOR GARBAGE CANS	700LT - 1100LT
LIFTER TURNING ANGLE	40°
LIFTING TIME APPROX.	8 SEC

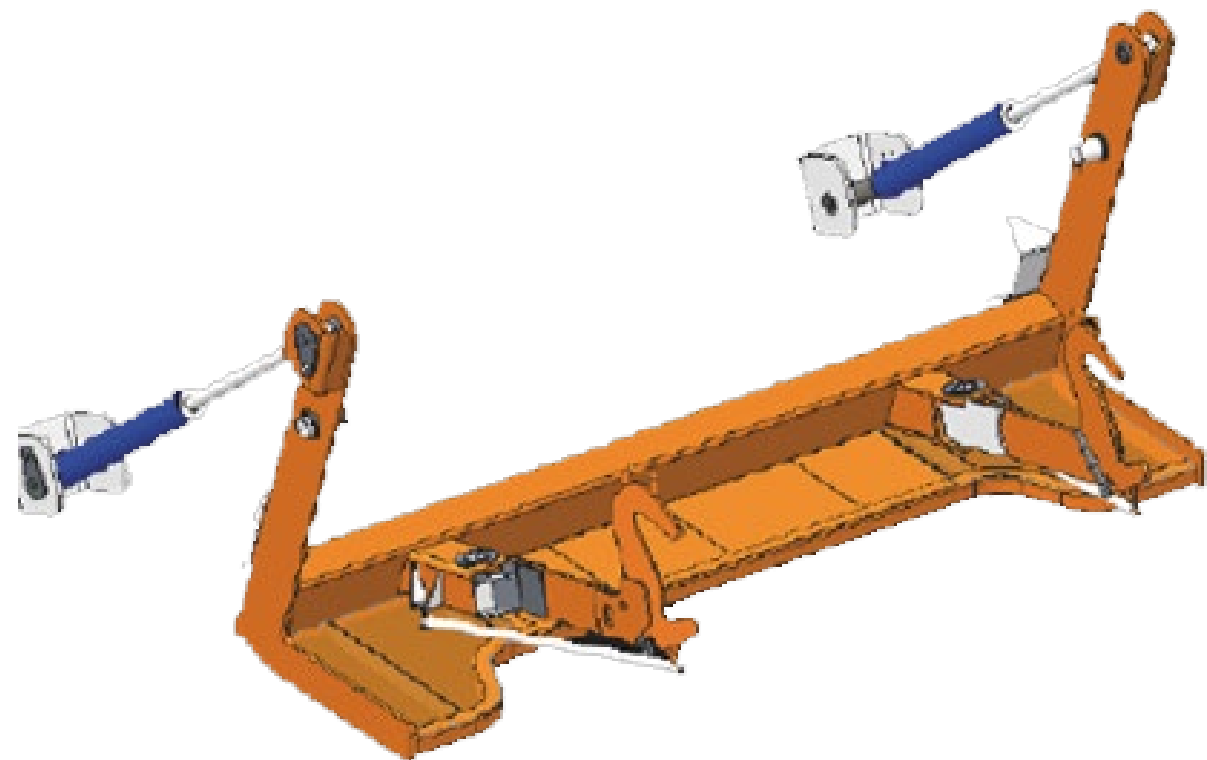
COMPATIBLE WITH HYDRAULIC WINCH FOR LIFTING STATIONARY CONTAINERS

THE LIFTER DESIGN INCLUDES STIRRUPS FOR TRANSPORTING OPERATORS

IT HAS 2 ACTUATION CYLINDERS, STEM DIAMETER 36 MM (CHROME STEM)

FOLDING ARMS TOWARDS THE CENTER

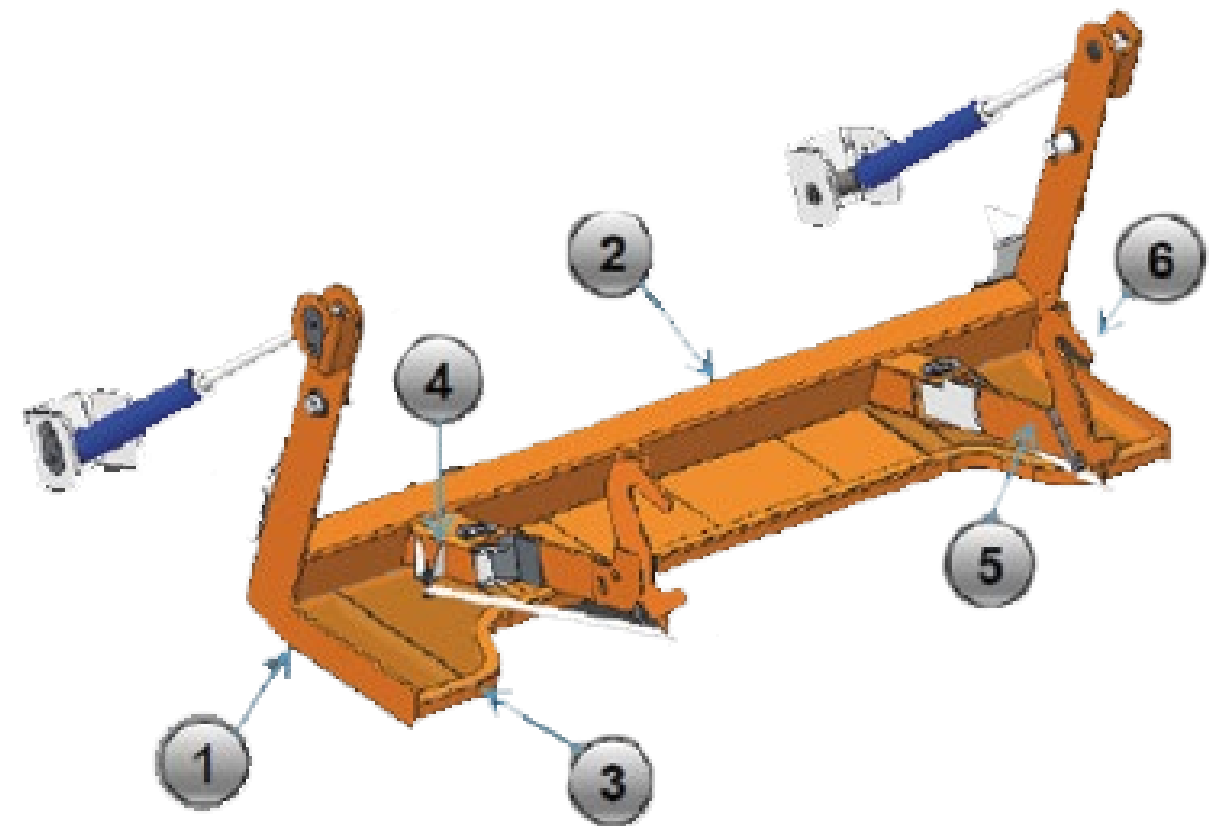
THE DRIVE CONTROLS ARE LEVER TYPE LOCATED ON THE SIDE OF THE LIFTER



## CHANGE NUMBERS TO LETTERS IN ORDER

### ITEMS

PIVOT STAND	TO
ARMED TUBE LIFTER	B.
SUPPORT BASE	C.
HOOK BRACKET	D.
HOOK ARM	AND
HOOK	F





## TOOLS (1 KIT PER ROAD TEAM - COLLECTOR)

HYDRAULIC BOTTLE JACK	30 TON ACTION LEVER JACK KEY
TYPE I WHEEL WRENCH	32X30 FORCE LEVER
WHEEL LOCK STUDS (2 UNITS)	POLYURETHANE 6,2 KG 39,4X21,6X21 CM (LXAXH)
TOOLBOX	PLIERS SCREWDRIVER PHILLIPS SCREWDRIVER 10" SPANNER COMBINATION WRENCHES (10 TO 23)MM
EXTINGUISHER	PQS TYPE CLASS A,B,C FIRES 10 KG
MEDICINE CABINET	ANTISEPTIC ALCOHOL OXYGENATED WATER POROUS ADHESIVE TAPE GAUZE COTTON BANDAGE (1 TRIANGULAR -1 LONGITUDINAL) SCISSORS ANALGESICS (PARACETAMO IBUPROFEN) GLOVES
FLASHLIGHT	LED TYPE
TIRE INFLATION HOSE	10M WITH QUICK COUPLING TO AIR STORAGE TANK
SAFETY TRIANGLES 2 UNITS	2 UNITS 50 CM EACH SIDE FLUORESCENT SURFACE ABS MATERIAL RED REFLECTIVE PLATE POLYETHYLENE BASE (WEIGHT 2KG)



ELEMENTS SUCH AS THE FIRE EXTINGUISHER, FIRST AID KIT, SAFETY TRIANGLES AND SAFETY LAMPS ARE LOCATED IN THE CABIN FOR EASY AND QUICK ACCESS IN CASES OF USE FOR EMERGENCIES.

## TECHNICAL SHEET GARBAGE CONTAINERS OF 1100 LT

- WASTE CONTAINER WITH FLAT LID - BLACK
- PERFECT FOR SELECTIVE SEPARATION OF ORGANIC WASTE, PAPER, GLASS, PET, INFECTIOUS BIOLOGICAL HAZARDOUS WASTE (RPBI) AMONG OTHERS
- IT HAS SECURITY SIGNAGE.

AMOUNT	15
CAPACITY	1100 LITERS
COLOR	BLACK MASS COLORED
WEIGHT	58KG
LOAD OR WEIGHT CAPACITY	450KG

### MATERIAL

- HDPE – HIGH DENSITY POLYETHYLENE BY INJECTION PROCESS
- RESISTANT TO IMPACTS, HEAT, CHEMICALS, HUMIDITY, UV RADIATION, HIGH-PRESSURE CLEANING

### WHEELS

- TWO 20 CM/200 MM DIAMETER MOBILE PULLEYS
- TWO 20 CM/200 MM DIAMETER MOBILE BRAKED BLOCKS
- SOLID RUBBER TREAD
- GALVANIZED SOLID STEEL WHEEL AXLE, CORROSION RESISTANT

DIMENSIONS	1118MM (LENGTH)
	1370MM (WIDTH)
	1295MM (HEIGHT)



## TECHNICAL SHEET GARBAGE CONTAINERS OF 1100 LT

- WASTE CONTAINER WITH FLAT LID - GREEN
- PERFECT FOR SELECTIVE SEPARATION OF ORGANIC WASTE, PAPER, GLASS, PET, INFECTIOUS BIOLOGICAL HAZARDOUS WASTE (RPBI) AMONG OTHERS
- IT HAS SECURITY SIGNAGE.

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## DESIGN WITH SIDE PINS IDEAL FOR LIFTER LIFTING AND EMPTYING SYSTEMS

- FULLY RECYCLABLE MATERIAL AT THE END OF ITS USEFUL LIFE
- MANUFACTURED UNDER QUALITY CERTIFICATION DIN EN 840.
- COMPLIES WITH RAL GZ 951/1 CERTIFICATE AND PROVISIONS, ALSO COMPLIES WITH AFPS GS 2014:01, COMPLIES WITH EC DIRECTIVE 2000/14/EG FOR PROTECTION AGAINST EMISSIONS AND PROTECTION AGAINST RESIDUES.
- GUARANTEES REGULATIONS ON ENVIRONMENTAL NOISE – SOUND POWER LEVEL (LAW)



# Medidas

