

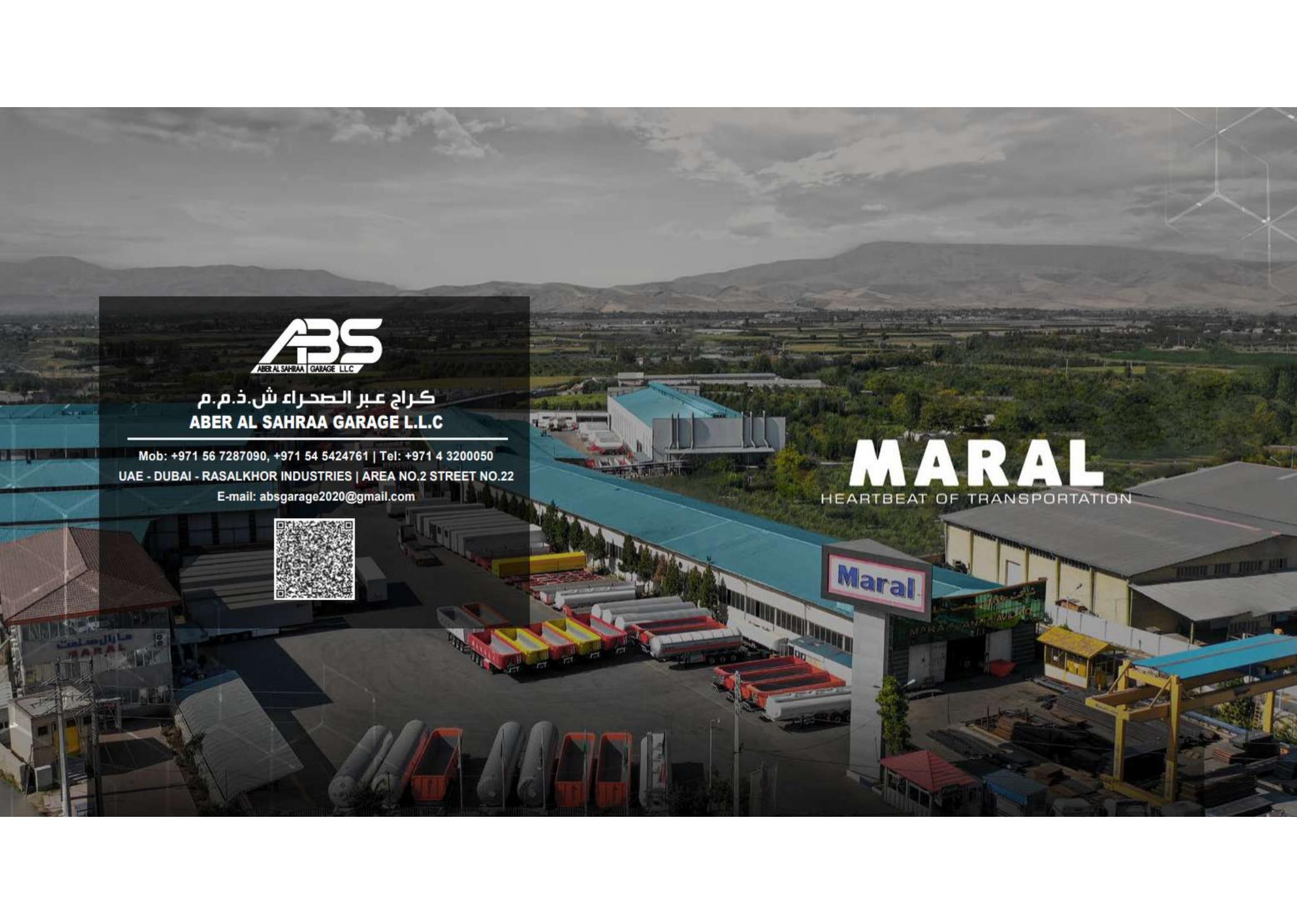


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MARAL
HEARTBEAT OF TRANSPORTATION





ABOUT US | Maral Sanat Javid (Maral Trailer Brand) established in 1989 in Urmia, North West

City of Iran that has borders with Iraq, Turkey and Azerbaijan. More than 650 people out of 1000 people of Holding are working in Maral Sanat Javid Co.

Maral Trailer together with its sister companies including; Chichest Axle Company (only producer of Axle, Axle parts and Trailer parts in the Middle East with brand name of FOX), Maral Yadak (Manufacturer of tool box and trailer parts with brand name of TSP) and Rostami after sales services (Located in Tehran); aim to supply all products of truck industry in an integrated delivery system so that customers have easy access to what they need which results in low transport cost.

We supply raw materials from local and European leading companies which insures high quality of products so we meet European standards and satisfaction of local and overseas customers.

We have honor of having ADR¹ Standard, Standards of National Gas Company and Gas consumers Union of Russia and CIS countries, National Standards (17 type) for all of products as well as ISO 9001:2015, ISO 10002:2018, ISO 10004:2018 and ISO 14001:2015.

As industrial manufacturing company with more than 30 year experience and after sales services all over IRAN, and thanks to technical knowledge of engineers and personnel combined with most advanced technology, machinery and equipment, we are proud of serving customers in the whole sales process from "order" up to "after sales services and maintenance". We have fulfilled our goal of being a leading manufacturer that produces broad range of products in trucking industry.

Our policy is offering safe, durable and reliable products, thus we give special attention to whole process of Manufacturing from materials supply to customers feedback and have focused on quality improvements, Innovation in producing new parts as well as technical and marketing details in depth. Maral Sanat Javid and its sister companies in Maral Holding are companies that you can trust and depend on.



¹ International Carriage of Dangerous Goods by Road), Distribution of Liquid Gas

MARAL 3AXLE CURTAIN SIDER TRAILER WITH SLIDING ROOF

ENGLISH



TECHNICAL DESCRIPTIONS



- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special fixture automatic Co2 argon welding machine.

- **Body Construction:** Floor 30 mm abrasion resistance plywood / sliding roof with special changeable beams / rear and side doors from special aluminum profiles / sliding side pillars front pillar, middle pillars and rear pillars steel are made of (ST523- Qste 380Tm)

- **Curtain:** Made in Europe / Sliding Three Pieces Roof & Sides External Tarpaulin is produced from special polymer with high temperature resistance (-30,+70°c) and anti rupture and lasting color side and roof sliding separately

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- **King pin:** 2 Inch FOX king pin

- **Tires:** 6 pieces 385 / 65 / R22.5

- **Rim:** 6 pieces rims 22.5 x 11.75 tubless

- **Accessories:**

- Automatic front lift axle
- 60 Lit Water tank Mounting
- Holder for fire extinguisher
- Aluminum ladder (2.5 m)
- Plastic Chock
- Fix rear bumper
- Rear door retainer
- 3-steps sliding ladder
- 2 Toolboxes
- Galvanized spare wheel carrier
- Towing Mechanism
- 6 pcs mud guards and 2 mud flaps
- Trailer Park Lock System

- **Options:**

- For transit trailer, vertical displacement of 30cm by special manual jack
- Side and roof curtain support system removable separately
- 4 or 5 Optional doors, rims and spare Tires

MARAL 3AXLE CURTAIN SIDER TRAILER



ENGLISH

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special fixture automatic Co2 argon welding machine.

- **Body Construction:** Floor 30 mm abrasion resistance plywood / sliding roof with special changeable beams / rear and side doors from special aluminum profiles / sliding side pillars front pillar, middle pillars and rear pillars steel are made of (ST523- Qste 380Tm)

- **Curtain:** Made in Europe, sliding one Piece Roof & Sides External Tarpaulin is produced from special polymer with high temperature resistance (-30,+70°c) and anti rupture lasting color / side and roof sliding separately

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle

- **Painting:** Shot blasted, according to SA2.5/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards.

- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- **King pin:** 2 Inch FOX king pin

- **Tires:** 6 pieces 385 / 65 / R22.5

- **Rim:** 6 pieces rims 22.5 x 11.75 tubless

- **Accessories:**

- Galvanized spare wheel carrier
- Automatic front lift axle
- 60 Lit Water tank Mounting
- Trailer park lock system
- Rear door retainer
- 2 toolboxes
- Fix rear retainer
- Plastic Chock
- 3-steps sliding ladder
- Aluminum ladder (2.5 m)
- Holder for fire extinguisher
- Towing Mechanism
- 6 pcs mud guards and 2 mud flaps

- **Options:**

- Holding standard and certificate of welding inspection and dimensional control
- 4 or 5 Optional doors, rims and spare Tires

TECHNICAL DESCRIPTIONS

MARAL 3 AXLE CURTAIN SIDER TRAILER WITH SLIDING ROOF



ENGLISH

- **Chassis Construction:** Chassis and other metal pieces are made of high - strength steel (S500MC) with special fixture automatic Co2 argon welding machine.

- **Body Construction:** Floor 30 mm abrasion resistance plywood / sliding roof with special changeable beams / rear and side doors from special aluminum profiles/ sliding side pillars front pillar, middle pillars and rear pillars steel are made of (ST523-, Qste 380Tm)

- **Curtain:** Made in Europe / Sliding Three Pieces Roof & Sides External Tarpaulin is produced from special polymer with high temperature resistance (-30,+70°c) and anti rupture and lasting color side and roof sliding separately

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- **King pin:** 2 Inch FOX king pin

- **Tires:** 6 pieces 385 / 65 / R22.5

- **Rim:** 6 pieces rims 22.5 x 11.75 tubless

- **Accessories:**

- Automatic front lift axle
- 60 Lit Water tank Mounting
- Holder for fire extinguisher
- Aluminum ladder (2.5 m)
- Plastic Chock
- Fix rear bumper
- Rear door retainer
- 3-steps sliding ladder
- 2 Toolboxes
- Galvanized spare wheel carrier
- Towing Mechanism
- 6 pcs mud guards and 2 mud flaps
- Trailer Park Lock System

- **Options:**

- For transit trailer, vertical displacement of 30cm by special manual jack
- Side and roof curtain support system removable separately
- 4 or 5 Optional doors, rims and spare Tires

TECHNICAL DESCRIPTIONS

MARAL 3AXLE CONTAINER CHASSIS TRAILER

ENGLISH



TECHNICAL DESCRIPTIONS



- **Chassis Construction:** Chassis and other metal pieces are made of high - strength steel (S500MC) with special fixture automatic Co2 argon welding machine.

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle.

- **Painting:** Shot blasted, according to SA2.5/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- **King pin:** 2 Inch FOX king pin

- **Tires:** 6 pieces 385 / 65 / R22.5

- **Rim:** 6 pieces rims 22.5 x 11.75 tubless

- **Accessories:**

- Trailer park lock system
- Automatic front lift axle
- 60 Lit Water tank
- 3-step sliding ladder
- Galvanized spare tire holder
- Plastic chock pcs
- Fix Rear bumper
- 2 Toolboxes
- Holder for fire extinguisher
- 6 pcs mud guards and 2 mud flaps
- 12 pcs container locks for carrying 20 - 40 feet containers

- **Options:**

- Holding standard and certificate of welding inspection and dimensional control
- Optional rims and spare Tires

MARAL 3AXLE LPG TANKER TRAILER

ENGLISH



TECHNICAL DESCRIPTIONS

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.
- **Tank Construction:** Body and Head Made of P460NL2 and P355NL1 steel according to EU Standard Flanges Made of A516GR70 steel based on American standard
- **Volume:** 50 cbm
- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.
- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle
- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspack with LED Type according to International Standards.
- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- **King pin:** 2 inch FOX king pin
- **Tires:** 6 pieces 385 / 65 / R22.5
- **Rim:** 6 pieces rims 22.5 x 11.75 tubless
- **Valves:** Charge and discharge valves according to National Iranian Gas Company
- **Accessories:**
 - Trailer park lock system
 - Automatic front lift axle
 - 60 Lit Water tank
 - Fix Rear bumper
 - Toolbox
 - Spare tire holder
 - Plastic chock
 - Holder for fire extinguisher
 - 6 pcs mud guards and 2 mud flaps
- **Options:**
 - Chemical and mechanical analysis test of plates
 - Visual test during work, input and output phases
 - Holding standard and certificate of welding inspection and dimensional control and hydrostatic liquid penetrant, ultrasonic and radiographic testing
 - Optional rims and spare Tires

MARAL 3 AXLES GRAIN TRAILER SIDER TIPPER (4TH AXLE CAN ADDED)

ENGLISH



TECHNICAL DESCRIPTIONS

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.
- **Cylinder:** 2 telescopic cylinder (170 - 190 EMB), EU Standard with related accessories
- **Body Construction:** 12 side doors and 2 rear doors and front panel, height 1600 mm with hooks to tie up curtains / floor made of ribbed steel plate.
- **Volume:** 46 to 60 cbm
- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco® (germany) - Haldex (Sweden) Two double acting diaphragm brake chamber per axle.
- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle
- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards..
- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- **King pin:** 2 Inch FOX king pin with 2 flanges for 4x2 and 6x4 trucks
- **Tires:** 6 pieces 385 / 65 / R22.5
- **Rim:** 6 pieces rims 22.5 x 11.75 tubless
- **Accessories:**
 - Trailer park lock system
 - Automatic front lift axle
 - 60 Lit Water tank
 - Galvanized spare tire holder
 - Plastic chock Pcs
 - Fix Rear bumper
 - 2 Toolboxes
 - 3-step sliding ladder
 - Holder for fire extinguisher
 - 6 pcs mud guards and 2 mud flaps
 - Towing Mechanism
- **Options:**
 - Holding standard and certificate of welding inspection and dimensional control
 - Optional rims and spare Tires

MARAL 3AXLE SIDE WALL TRAILER



TECHNICAL DESCRIPTIONS



- **Chassis Construction:** Chassis and other metal pieces are made of high - strength steel (S500MC) with special automatic Co2 argon welding machine.
- **Floor Construction:** Floor 30 mm abrasion resistance plywood with pillar holder and ratchet holder in appropriate distances.
- **Body Construction:** 12 side doors and 2 rear doors and front panel, height 900 mm with hooks to tie up curtains on doors
- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.
- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle
- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.
- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- **King pin:** 2 Inch FOX king pin
- **Tires:** 6 pieces 385 / 65 / R22.5
- **Rim:** 6 pieces rims 22.5 x 11.75 tubless
- **Accessories:**
 - Trailer park lock system
 - Automatic front lift axle
 - 60 Lit Water tank
 - 3-step sliding ladder
 - Galvanized spare tire holder
 - Plastic chock pcs
 - Fix Rear bumper
 - 2 Toolboxes
 - Holder for fire extinguisher
 - 6 pcs mud guards and 2 mud flaps
 - 8 ratchets and side hook for holding cargo load
 - Capacity for installation of 4 containers lock for carrying 40 feet containers
- **Options:**
 - Holding standard and certificate of welding inspection and dimensional control
 - Optional rims and spare Tires

MARAL 3AXLE FUEL TANKER TRAILER



ENGLISH

- Chassis Construction: Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.

- Tank Construction: Made of 4mm ST37 steel sheet with 3 separate reservoirs/ sealed and seamless tanker body welding with automatic welding machines along with welding quality tests

- Volume: 33000 Liters

- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- Axle Types: 3x9 ton EU standard disc brake or drum brake, front lift axle

- Painting: Shot blasted, according to SA2.5/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- Electric System: 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

* According to ADR

- Axle/ Suspension: axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- King pin: 2 Inch FOX king pin

- Tires: 6 pieces 385 / 65 / R22.5

- Rim: 6 pieces rims 22.5 x 11.75 tubless

- Valves: 3 pcs Bottom Loading Adapter / 3 pcs Emergency Foot Valve / 3 pcs Petroleum Manholes / 3 Pcs Vapor vent / 1 pcs Stage Vapor Recovery Adapter

- Accessories:

Trailer park lock system

Automatic front lift axle

60 Lit Water tank

Holder for fire extinguisher

Fix Rear bumper

Toolbox

Spare tire holder

Valve box

Plastic chock

6 pcs mud guards and 2 mud flaps

Walkway covered with aluminum (anti-slip plate)

- Options:

Holding standard and certificate of welding inspection and dimensional control and hydrostatic test

Optional rims and spare Tires

Loading and unloading system control kit and emergency disconnection system

TECHNICAL DESCRIPTIONS

MARAL 3AXLE 34m³ TIPPER TRAILER



ENGLISH

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.

- **Body Construction:** Walls: thickness is 4 mm and reinforced by special steel diagonal bars (S500MC).

Floor: thickness is 5 mm and reinforced by special steel cross beams (S500MC).

- **Volume:** 34 cbm

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Axle Types:** 3x9 ton disc brake or drum brake, front lift axle

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- **King pin:** 2 Inch FOX king pin

- **Tires:** 6 pieces 385 / 65 / R22.5

- **Rim:** 6 pieces rims 22.5 x 11.75 tubless

- **Cylinder:** Five-stage telescopic jack stand (170190- EMB), EU Standard with related accessories

- **Accessories:**

- Automatic front lift axle
- Plastic Chock
- Holder for fire extinguisher
- 60 Lt Water tank
- Rear 3- step sliding ladder
- Front galvanized ladder
- Plastic chock
- Trailer park lock system
- Fix rear bumper
- Toolbox
- Galvanized spare Tires holder
- 6 pcs mud guards and 2 mud flaps

- **Options:**

- Holding standard and certificate of welding inspection and dimensional control and hydraulic test
- Optional Spare Tires and rim
- Side gearbox shaft to be installed by company

TECHNICAL DESCRIPTIONS

MARAL 3AXLE 28m³ TIPPER TRAILER



ENGLISH

TECHNICAL DESCRIPTIONS

- Chassis Construction: Chassis and other metal pieces are made of high - strength steel (S500MC) with special automatic Co2 argon welding machine.
- Body Construction: Walls: thickness is 6 mm (S500MC)
Floor: thickness is 8 mm (S500MC)
- Volume: 24cbm
- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.
- Axle Types: 3x9 ton disc brake or drum brake, front lift axle
- Painting: Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- Electric System: 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Asprock with LED Type according to International Standards.
- Axle/ Suspension: axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- King pin: 2 Inch FOX king pin
- Tires: 6 pieces 385 / 65 / R22.5
- Rim: 6 pieces rims 22.5 x 11.75 tubless
- Cylinder: Five-stage telescopic jack stand (170190-EMB), EU Standard with related accessories
- Accessories:
 - Automatic front lift axle
 - Plastic Chock
 - Holder for fire extinguisher
 - 60 Lit Water tank
 - Rear 3- step sliding ladder
 - Front galvanized ladder
 - Plastic chock
 - Trailer park lock system
 - Moveable rear bumper
 - Toolbox
 - Spare Tires holder
 - 6 pcs mud guards and 2 mud flaps
- Options:
 - Holding standard and certificate of welding inspection and dimensional control and hydraulic test
 - Optional Spare Tires and rim
 - Side gearbox shaft to be installed by company

MARAL 3AXLE 28m³ CEMENT BULKER TRAILER



ENGLISH

- Chassis Construction: Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.

- Body Construction: Made of ST37 special 4 mm steel sheets.

- Volume: 28 cbm

- Discharge system: 4 inch butterfly drain valve along with 2 inch control valves and one-way valve for compressor safety.

- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(Germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- Axle Types: 3x9 ton EU standard disc brake or drum brake, front lift axle

- Painting: Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat

- Electric System: 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- Axle/ Suspension: axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer

- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons

- King pin: 2 Inch FOX king pin

- Tires: 6 pieces 385 / 65 / R22.5

- Rim: 6 pieces rims 22.5 x 11.75 tubless

- Accessories:

- 60 Lit Water tank
- Automatic front lift axle
- Trailer park lock system
- Holder for fire extinguisher
- Spare tire holder
- Plastic chock
- Fix Rear bumper
- Toolbox
- With upper guard and walkway
- 4 inch plastic discharge hose
- 6 pcs mud guards and 2 mud flaps
- Walkway covered with corrugated sheet metal

- Options:

- Diesel motor along with air compressor for discharge
- Optional rims and spare Tires, motor and compressor
- Holding standard and certificate of welding inspection and dimensional control and pressure test under 2 bar company

TECHNICAL DESCRIPTIONS

MARAL 3AXLE FLATBED TRAILER



ENGLISH 4

TECHNICAL DESCRIPTIONS

- **Chassis Construction:** Chassis and other metal pieces are made of high - strength steel (S500MC) with special automatic Co2 argon welding machine.
- **Floor Construction:** Floor 30 mm abrasion resistance plywood with pillar holder and ratchet holder in appropriate distances
- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.
- **Axle Types:** 3x9 ton EU standard disc brake or drum brake, front lift axle
- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards.
- **Axle/ Suspension:** axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- **Landing Legs:** Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- **King pin:** 2 Inch FOX king pin
- **Tires:** 6 pieces 385 / 65 / R22.5
- **Rim:** 6 pieces rims 22.5 x 11.75 tubless
- **Accessories:**
 - Trailer park lock system
 - Automatic front lift axle
 - 60 Lit Water tank
 - 3-step sliding ladder
 - Galvanized spare tire holder
 - Fix Rear bumper
 - 2 Toolboxes
 - 10 side pillars
 - Plastic chock pcs
 - Holder for fire extinguisher
 - 6 pcs mud guards and 2 mud flaps
 - 9 ratchets and side hook for holding cargo load
 - Capacity for installation of 8 containers lock for carrying 2040- feet containers
- **Options:**
 - Holding standard and certificate of welding inspection and dimensional control
 - Optional rims and spare Tires

MARAL 3 AXLE REFRIGERATED TRAILER



ENCLOSURE 4

- Chassis Construction: Chassis and other metal pieces are made of high - strength steel (SS00MC) with special automatic Co2 argon welding machine.
- Body Construction: Side walls, front and roof one-piece special insulated sandwich panel (polyurethane made in Germany) duplex ALuzinc pre-painted sheet (sheet thickness exterior 0.8 mm and interior 0.5mm, topcoat 25-micron polyester paint and special primer undercoat); special aluminum track holder profiles (interior and exterior) / aluminum profiles with rivets.
- Walls: front wall: 100 mm reinforced for thermo king connection and thermo king shield.
- Roof: 100 mm reinforced for thermo king protector
- Side wall: 60 mm * floor: 150 mm with foreign pre-painted under flooring sheet and aluminum railings raised access floor for air flow from under pallets.
- Rear door: Double barns with 2 hinges and 4 lockers, solid stainless steel and thickness of rear door 80 mm with P.V.C insulation and special Tires
- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(Germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.
- Axle Types: 3x9 ton EU standard disc brake or drum brake, front lift axle
- Painting: Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- Electric System: 7 and 15 Pole quick-release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Asprock with LED Type according to International Standards.
- Axle/ Suspension: axle with air bags cylinder air suspension system with special shock absorber Lower and Rise Capability of Trailer
- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons
- King pin: 2 Inch FOX king pin
- Tires: 6 pieces 385 / 65 / R22.5
- Rim: 6 pieces rims 22.5 x 11.75 tubless
- Accessories:
 - Rear door stopper
 - Automatic front lift axle
 - Holder for fire extinguisher
 - Plastic Chock
 - Fix rear bumper
 - 2 Toolboxes
 - 3-step sliding ladder
 - Trailer park lock system
 - Galvanized spare tires holder
 - 60 Lit Water tank
 - 6 Pcs mud guards and 2 mud flaps
- Options:
 - Holding standard and certificate of welding inspection and dimensional control
 - Optional Spare Tires and rim, motor and compressor

MARAL 4AXLE LOWBED TRAILER (DOUBLE TIRE & EXTENDABLE)

ENGLISH



Dimensions: Length: 13190mm \ Width: 2550mm extendible to 6000mm \ Gooseneck length: 3950mm \ Chassis height from ground: 890 mm \ Loading deck length: 9240 mm extendible to 6000mm

- **Chassis Construction:** Chassis and other metal pieces are made of high - strength steel (S500MC) with special automatic Co2 argon welding machine.

- **Axle Types:** 4x11 ton EU Standard front lift axle

- **Back ramp:** 2 pcs hydraulic system, width 750 mm, capacity 60 tons, height 3108 mm

- **Landing Legs:** Front door, Static Capacity 50 Tons & Dynamic Capacity 24 Tons and rear door static capacity of 45 Tons

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco® (germany) - Haldex (Sweden) Two double acting diaphragm brake chamber per axle.

- **Painting:** Shot blasted, according to SA2.5/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat.

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards.

- **King pin:** 2 or 3.5 Inch FOX king pin according to Standards

- **Axle/ Suspension:** axle with air bags air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Tires:** 16 pieces 24570/R17.5

- **Accessories:** 2 plastic chocks

Side guard

Toolbox

Trailer park lock system

Spare tire holder

Automatic front lift axle

Fix Rear bumper

Load locks and hooks

Holder for fire extinguisher

4 pcs of side marker lamps.

- **Options:**

Holding standard and certificate of welding inspection and dimensional control

Optional rims and spare Tires

TECHNICAL DESCRIPTIONS

Uluslararası Akademi

MARAL 3AXLE LOWBED TRAILER (DOUBLE TIRE & EXTENDABLE)

ENGLISH



Dimensions: Length: 13190mm \ Width: 2550mm extendible to 6000mm \ Gooseneck length: 3950mm \ Chassis height from ground: 890 mm \ Loading deck length: 9240 mm extendible to 6000mm

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.

- **Axle Types:** 3x11 ton EU Standard front lift axle

- **Back ramp:** 2 pcs, hydraulic system, width 750 mm, capacity 60 tons, height 3108 mm

- **Landing Legs:** Front door, Static Capacity 50 Tons & Dynamic Capacity 24 Tons and rear door static capacity of 45 Tons

- **Braking System:** (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco® (Germany) - Haldex (Sweden) Two double acting diaphragm brake chamber per axle.

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat.

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards.

- **King pin:** 2 or 3.5 Inch FOX king pin according to Standards

- **Axle/ Suspension:** axle with air bags air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Tires:** 12 pieces 24570/R17.5

- **Accessories:** 2 plastic chocks

Side guard

Toolbox

Trailer park lock system

Spare tire holder

Automatic front lift axle

Fix Rear bumper

Load locks and hooks

Holder for fire extinguisher

4 pcs of side marker lamps.

- **Options:**

Holding standard and certificate of welding inspection and dimensional control

Optional rims and spare Tires

TECHNICAL DESCRIPTIONS

MARAL 3AXLE LOWBED TRAILER (DOUBLE TIRE & EXTENDABLE)

ENGLISH



Dimensions: Length: 13190mm \ Width: 2550mm extendible to 6000mm \ Gooseneck length: 3950mm \ Chassis height from ground: 890 mm \ Loading deck length: 9240 mm extendible to 6000mm

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine.

- **Axle Types:** 3x11 ton EU Standard front lift axle

- **Back ramp:** 2 pcs, hydraulic system, width 750 mm, capacity 60 tons, height 3108 mm

- **Landing Legs:** Front door, Static Capacity 50 Tons & Dynamic Capacity 24 Tons and rear door static capacity of 45 Tons

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco® (germany) - Haldex (Sweden) Two double acting diaphragm brake chamber per axle.

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat.

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type according to International Standards.

- **King pin:** 2 or 3.5 Inch FOX king pin according to Standards

- **Axle/ Suspension:** axle with air bags air suspension system with special shock absorber Lower and Rise Capability of Trailer

- **Tires:** 12 pieces 24570/R17.5

- **Accessories:** 2 plastic chocks

Side guard

Toolbox

Trailer park lock system

Spare tire holder

Automatic front lift axle

Fix Rear bumper

Load locks and hooks

Holder for fire extinguisher

4 pcs of side marker lamps.

- **Options:**

Holding standard and certificate of welding inspection and dimensional control

Optional rims and spare Tires

TECHNICAL DESCRIPTIONS

MARAL 3AXLE LOWBED TRAILER (DOUBLE TIRE)

ENGLISH



TECHNICAL DESCRIPTIONS

Dimensions: Length: 15000mm \ Width: 3200mm \ Gooseneck length: 3500mm \ Chassis height from ground: 1300 mm \ Loading deck length: 10500 mm

- **Chassis Construction:** Chassis and other metal pieces are made of high-strength steel (S500MC) with special automatic Co2 argon welding machine. Special steel sheet iron and all steel pressed parts floor made of ribbed steel plate 6 mm welded on ramps and main chassis.

- **Axle Types:** 4x16 ton EU Standard front lift axle

- **Back ramp:** 2 pcs, hydraulic system, width 800 mm, capacity 60 tons, height 2700 mm

- **Landing Legs:** Front door, Static Capacity 50 Tons & Dynamic Capacity 24 Tons and rear door static capacity of 45 Tons

- **Braking System:** EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disc and Drum, Knorr® / Wabco®(germany) - Haldex(Sweden) Two double acting diaphragm brake chamber per axle.

- **Painting:** Shot blasted, according to SA25/ and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat.

- **Electric System:** 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspöck with LED Type according to International Standards.

- **King pin:** 2 or 3.5 Inch FOX king pin according to Standards

- **Axle/ Suspension:** 8 special spring axles (VBT)

- **Tires:** 16 pieces 12.00x20"

- **Rims:** 16 single-piece rims 8.5 x 20

- **Accessories:** Hand brake system

Side load hook

Rear warning lamp light

A Spare Tire Holder Wheel Mount Rack Bracket Carrier

Toolbox

2 wind turbines 80 Lit

4 metal chocks

4 pcs mudguards

- **Options:**

Holding standard and certificate of welding inspection and dimensional control

Optional rims and spare Tires





MARAL

HEARTBEAT OF TRANSPORTATION



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