X-WASH
TEMASSIZ ARAÇ YIKAMA TÜNELİ

PROFESSIONAL CarWAX® CAR CARE SYSTEMS

# TOUCHLESS POWER. IMPRESSIVE RESULTS.

Fully automatic car wash system with robotic arm




**Touchless washing / Precise control / Powerful drying**

www.carwax.com.tr • info@carwax.com.tr • (0216) 540 03 48

# Experience
# Innovation




**55-65 m²**
INSTALLATION AREA

**3-12 min**
WASH MODE

**10 YEARS**
SPARE PARTS GUARANTEE

## Made in Türkiye.
## Turkish engineering.

Fully automatic, brushless and touchless system with a robotic arm. Ultrasonic vehicle scanning and a nationwide service network across Türkiye.

Turkish-developed software • PLC-controlled automation • 10-inch Delta HMI
32 kHz ultrasonic sensor • Galvanised steel profile structure

### CARWAX X-WASH MODEL RANGE

| X-WASH 100 | X-WASH 300 | X-WASH PRO | X-WASH TUNNEL |
|---|---|---|---|
| Compact model | Professional model | Premium model | Tunnel system |

Image: promotional visualisation based on the source product.

# Different Vehicles,
# The Same Wash Technology

## COMPATIBLE VEHICLE TYPES



### Passenger cars

Sedans and hatchbacks



### SUV

Sport utility vehicles



### Light commercial

Compact commercial vehicles



### Pick-ups / light trucks

Double-cab and open-bed vehicles

Vehicle compatibility depends on the dimensions of the selected machine configuration.

Images are promotional visualisations illustrating vehicle categories.

# Operating Stages

## Pre-cleaning and Foam



**01**

### Underbody wash

Removes heavy dirt from the wheel areas and underbody.

**02**

### Pre-wash

Softens residues adhering to the vehicle, such as flies, insects and tree sap.





**03**

### Foam application

Five nozzles apply foam thoroughly over the entire vehicle body.

Stage durations and repetitions can be adjusted as required.

Images are promotional visualisations illustrating the washing stages.

# Operating Stages

## Washing, Waxing and Drying



## 04

### Washing

Fourteen nozzles wash the vehicle with water at 140 bar.

## 05

### Quick wax

Quick wax is applied to the vehicle surface.






## 06

### Drying

Four powerful 7.5 kW fans dry the vehicle surface.

Stage durations and repetitions can be adjusted as required.

Images are promotional visualisations illustrating the washing stages.

# Your Colour,
# CarWAX Character

**BLUE / NAVY BLUE / YELLOW**




01

## Blue

Body + white detailing




02

## Navy blue

Body + white detailing




03

## Yellow

Body + white detailing

**Three different looks, one CarWAX design language.**

Colours are illustrative; printed and on-screen appearances may vary.

# X-WASH

## Technical Specifications

| TECHNICAL SPECIFICATION | X-WASH |
|---|---|
| Machine type | Robotic arm, fully automatic, brushless and touchless |
| Operating system | Push button, token or QR code |
| Credit card integration | Optional |
| Effective wash time | 8-12 minutes |
| Power supply | 380 V - 50/60 Hz |
| Total installed power | 60 kW |
| Maximum vehicle dimensions | 5,900 × 2,100 × 2,100 mm |
| System dimensions | 8,000 × 3,700 × 4,500 mm |
| Compatible vehicles | Cars, SUVs, light commercial vehicles and pick-ups |
| High-pressure wash set | 2 × 15 kW motors + 2 × 50 L/min, 350 bar pumps |
| Foam tank / foam nozzles | 500 L / 8 nozzles |
| High-pressure water nozzles | 14 nozzles |
| Water tank | 1,000 L (supplied by buyer) |
| Wax tank | 300 L |
| Insect remover tank | 300 L |
| Drying system | 4 × 7.5 kW fans |
| Control system / HMI | PLC-controlled, fully automatic / 10-inch Delta HMI |
| Vehicle scanning system | 32 kHz ultrasonic sensor |
| Chassis | Galvanised steel profile structure |
| Manufacture / warranty / spare parts | Made in Türkiye / 2 years / 10-year spare parts guarantee |

Specifications refer to the product table. Layout drawings include dimensions for different configurations.

# Consumption

## Operating Costs

| CHEMICAL | PACK SIZE | 20 L PRICE | 1 L PRICE |
|---|---|---|---|
| Car shampoo | 20 L | TRY 2,171.52 | TRY 108.58 |
| Wax | 20 L | TRY 2,957.76 | TRY 147.89 |
| Insect remover | 20 L | TRY 2,021.76 | TRY 101.09 |

## Chemical consumption per vehicle

| CHEMICAL | MIX / TANK | VEHICLES | USAGE / COST |
|---|---|---|---|
| Car shampoo | 5 L / 500 L | 100 | 50 ml / TRY 5.43 |
| Wax | 6 L / 300 L | 100 | 60 ml / TRY 8.87 |
| Insect remover | 3 L / 300 L | 25 | 120 ml / TRY 12.13 |
| TOTAL | | | 230 ml / TRY 26.43 |

## Water and electricity consumption

| EXPENSE | PER VEHICLE | UNIT PRICE | COST |
|---|---|---|---|
| Water | 220 L (0.22 $m^3$) | TRY 56.36 / $m^3$ | TRY 12.40 |
| Electricity | 2 kWh | TRY 6.00 / kWh | TRY 12.00 |

**TOTAL OPERATING COST**

Chemicals: TRY 26.43 • Water: TRY 12.40 • Electricity: TRY 12.00

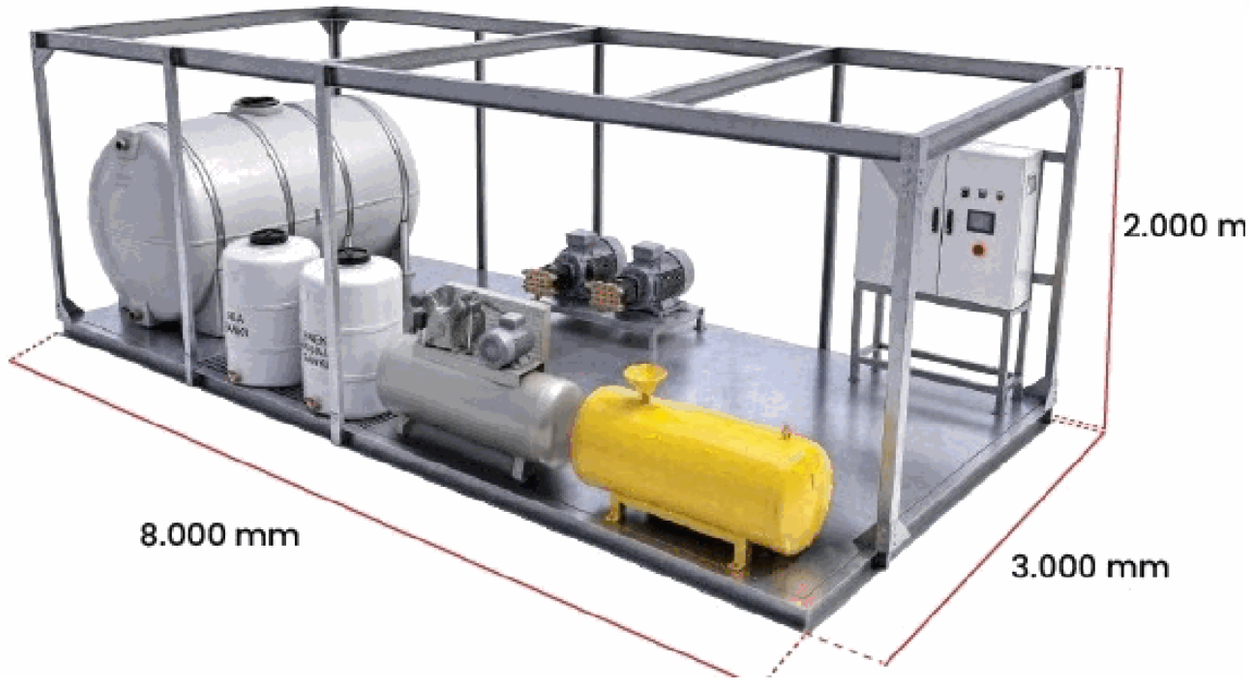
**TRY 50.83 / VEHICLE**

Chemical prices exclude VAT and include a 20% trade discount. Calculations use CarWAX professional car wash chemicals, with average consumption of 220 litres of water and 2 kWh of electricity per vehicle.

Calculations are based on 2026 İSKİ water tariffs and 2026 commercial electricity tariffs. Actual costs may vary by province, account type, consumption tier and current official tariffs.

# Installation Preparation

## Equipment Room

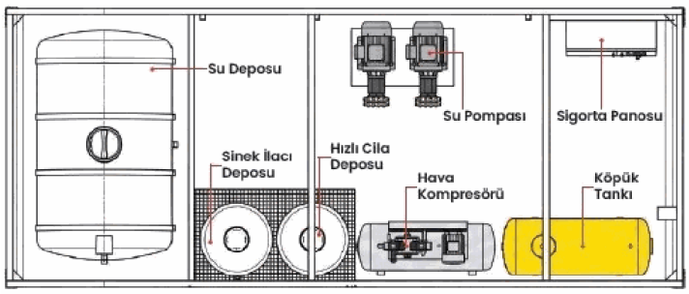



### Water and air

• 5-tonne water tank with mechanical float valve.
• Anti-scale / water treatment system (reverse osmosis) if the water is hard.
• 12 bar, 500-litre two-stage compressor.

### Equipment room requirements

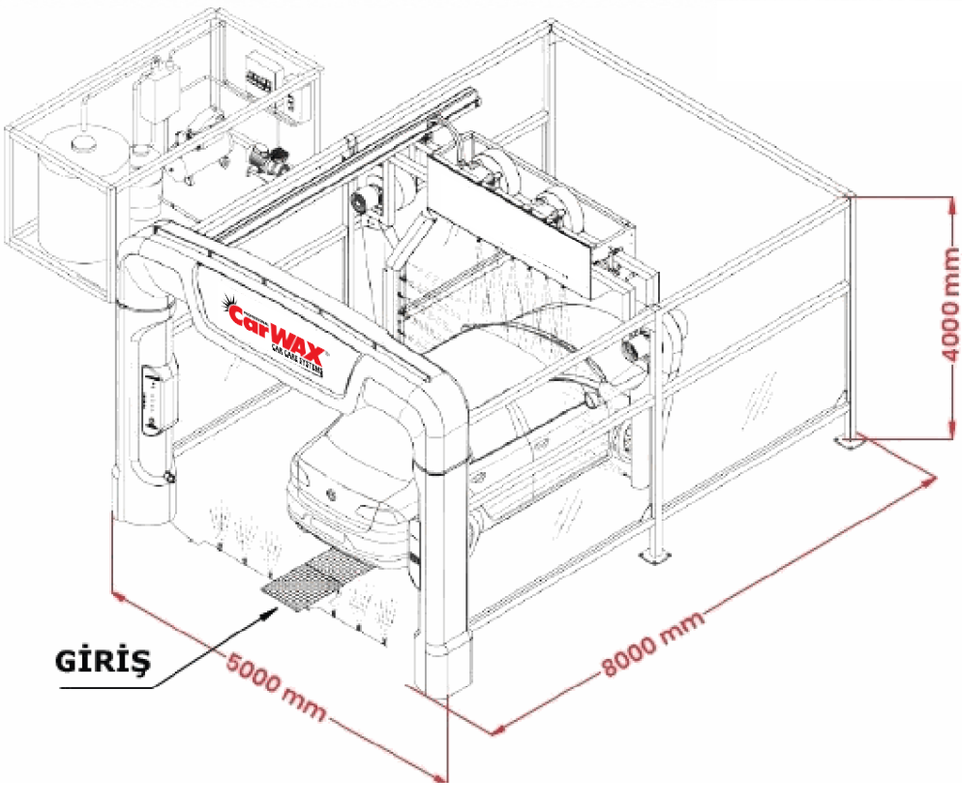
The site owner must provide an equipment room measuring at least 3 × 5 × 2 m, or 3 × 8 × 2 m if the water tank is located inside. Water, air and electricity must be brought to the room. Equipment in an outdoor room must be protected from rain and sunlight, and access by unauthorised persons must be prevented.




Have a qualified electrician and plumber check the infrastructure before installation. A detailed technical project will be supplied during the investment stage.

# Installation Preparation

## Machine and Infrastructure




### Electricity

380 V (3-phase) power supply (transformer) capable of providing 40 kW; a 5 × 16 cable installation and a 125 A residual-current device.

### Floor and drainage

Within a minimum 5 × 8 m installation area, the six feet must be aligned and level with one another (same slope). The surface must have a slight slope for water drainage.

Provide a suitable drainage channel (gutter system) and drainage infrastructure suitable for wash water. Design the drain line to prevent blockages.

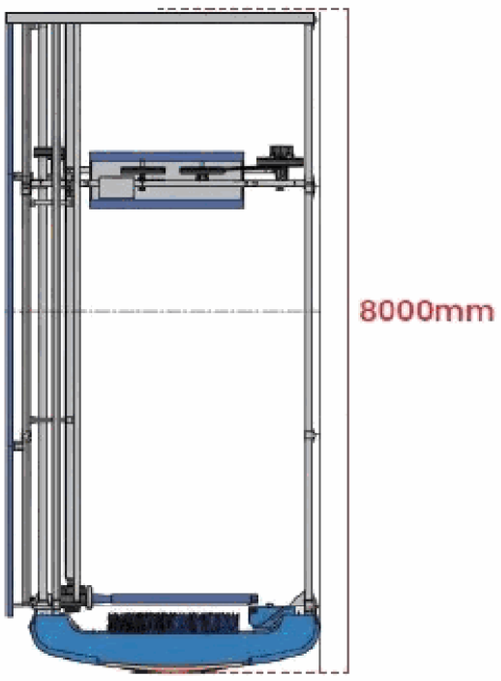


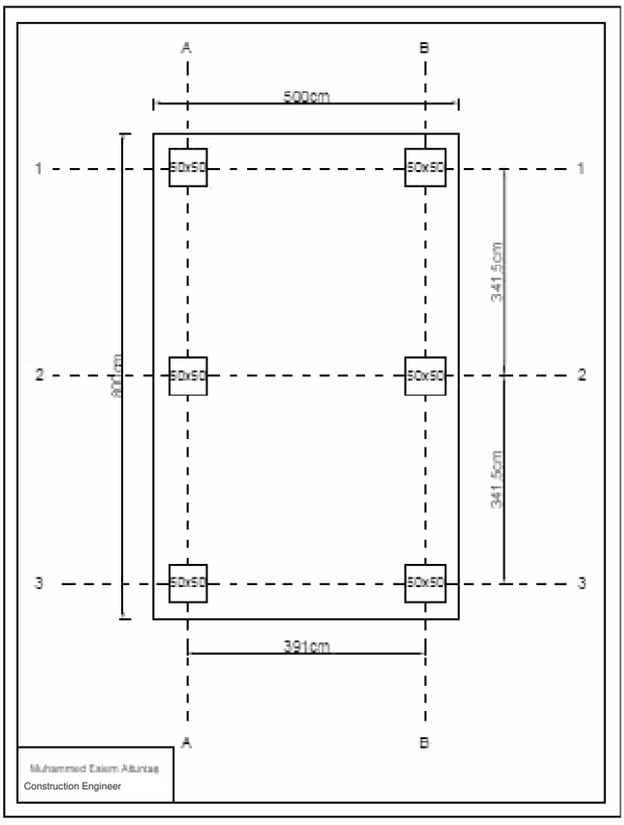
**Tempered-glass cladding**
**Advertising areas**

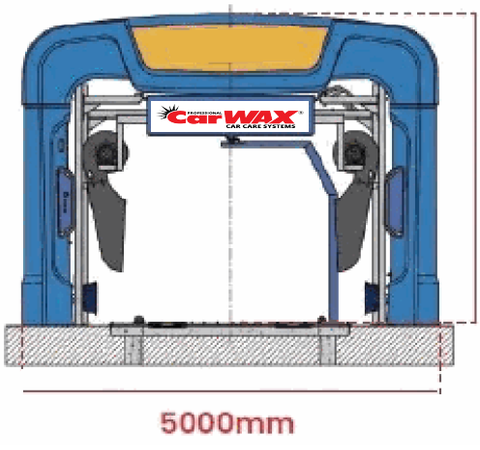
A qualified electrician and plumber must check the site before installation.

# X-WASH

## Technical Plans and Dimensions

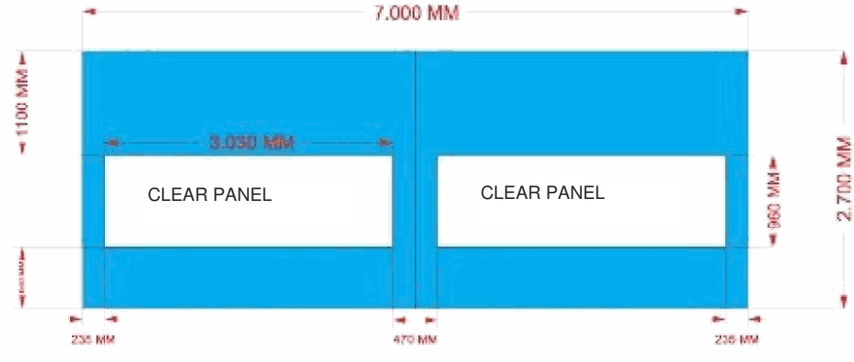



**MAXIMUM SYSTEM DIMENSIONS**
**Length: 8,500 mm**
**Height: 4,000 mm**
**Width: 5,000 mm**

**MAXIMUM VEHICLE DIMENSIONS**
**Length: 5,900 mm**
**Height: 2,100 mm**
**Width: 2,100 mm**

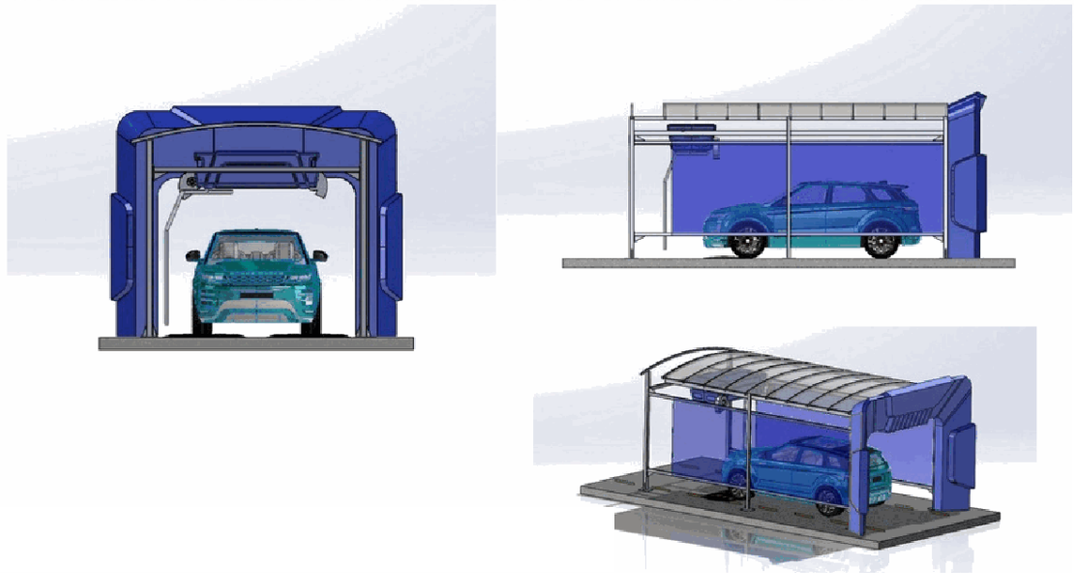



Tarpaulin Cladding Dimensions

Drawings and dimension labels have been retained from the source catalogue.

# System Layout

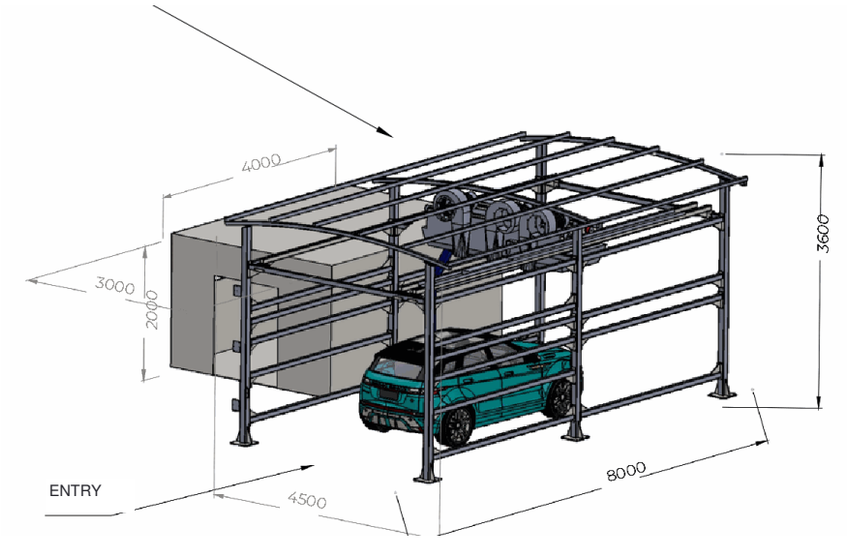
## Equipment and Dimensions



## Machine equipment room

- 5 × 16 cable.
- 125 A fuse and one 125 A residual-current device, 30 mAH.
- Minimum 1-tonne water tank with automatic float and filter; 1-inch valved outlet.
- Water plumbing and tap.
- 10 bar, 500 L compressor.

**THE FLOOR MUST BE COMPLETELY LEVEL**




Values in this layout refer to the corresponding drawing in the source catalogue.

# Easy Operation

## Step-by-Step Washing

**DO NOT DRIVE INTO THE BAY BEFORE MAKING PAYMENT**

1. **Scan the QR code provided at the cashier.**
2. **Drive in slowly.**
3. **Switch off the vehicle and leave the wash bay.**
4. **Press Start. The wash cycle begins automatically.**

## Compatible vehicles

Passenger cars • Light commercial • SUVs • Pick-ups

| | |
|---|---|
| **Maximum vehicle height** | **2.00 m** |

# After-Sales Support

## Warranty Terms

1- The warranty period is 2 (two) years from the date of delivery.

2- The product in its entirety, including all parts, is covered by our company's warranty.

3- If the product fails during the warranty period, the time spent on repair is added to the warranty period. The maximum repair time is 30 working days, starting on the date the fault is reported to the service centre or, if no service centre exists, to the seller, dealer, agent, representative, importer or manufacturer. If the fault is not rectified within 15 working days, the manufacturer, producer or importer must provide the consumer with another product of similar specifications until repairs are completed.

4- During the warranty period, failures caused by material, workmanship or installation defects will be repaired free of charge, with no labour charge, replacement-part charge or fee under any other name.

5- Even if the consumer has exercised the right to repair, the consumer may request free replacement, a refund or a price reduction proportionate to the defect if, within one year of delivery and during the warranty period, the same fault recurs more than twice or different faults occur more than four times and these faults continuously prevent use; if the maximum repair time is exceeded; or if a report establishes that repair is impossible. If the company has no service centre, this report may be issued, in order, by the seller, dealer, agent, representative, importer or manufacturer.

6- Failures resulting from use contrary to the instructions in the user manual are excluded from the warranty.

7- Problems concerning the warranty certificate may be referred to the General Directorate for the Protection of Consumers and Competition of the Ministry of Industry and Trade. Use of this warranty certificate has been authorised by the Provincial Directorate of the Republic of Türkiye Ministry of Industry and Trade pursuant to Consumer Protection Law No. 4077 and the Communiqué on the Implementation Principles for Warranty Certificates issued under that law.

Warranty terms have been reproduced as stated in the source document.

# Made in Türkiye,
## Strong Service




**2 YEARS**
WARRANTY

**10 YEARS**
SPARE PARTS GUARANTEE

**SAKARYA**
MANUFACTURING

PROFESSIONAL CarWAX® CAR CARE SYSTEMS

**(0216) 540 03 48**

info@carwax.com.tr
www.carwax.com.tr

**CAR CARE SYSTEMS**

Address
Yukarı Dudullu, Necip Fazıl Blv. Keyap Çarşı Sitesi
H Blok No:44-132-2, 34750 Ümraniye / İstanbul