



CBK US-SV

Automatic contactless car washing machine



- ✓ 10 MPa high pressure flushing
- ✓ Built-in Quick-Drying system
- ✓ Indicating Range Parking System
- ✓ Be able to wash all American Pick-up trucks



All Function

1	Flush chassis and hubs	10	Remote control
2	Automatic chemical mixing system	11	Standby mode
3	High pressure flushing (standard/strong)	12	Fault self-check
4	Hot dip galvanized frame double anticorrosive	13	Leakage protection
5	Built-in compressed air drying system (all-plastic fan)	14	Free upgrade
6	Intelligent 3D detection system	15	Water and electricity separation & Water foam separation
7	Intelligent electronic collision avoidance	16	Direct drive system
8	Parking guidance system	17	Car wash process display Board
9	Security alarm system	18	Frequency conversion energy saving system



Main Function Introduction

Items	Features	Instruction
1	Flush chassis and hubs system	Equipped with the function of cleaning the chassis and wheel hub, the nozzle pressure can reach 80-90 kg.
2	Automatic chemical mixing system	Automatically adjust the ratio of a variety of liquids, including: ordinary car washing liquid, water flooding coating wax, and no-scrub car washing liquid
3	High pressure flushing (standard/strong)	The water pressure of the water pump nozzle can reach 100 kg, and the robot arms of all equipment wash the body at a constant speed and pressure, Two modes (standard/power) can be selected..
4	Hot dip galvanized frame double anticorrosive	A macromolecular chloride is generated in the car body, which plays a role in preventing acid rain, pollution, and ultraviolet rays.
5	Built-in compressed air drying system (all-plastic fan)	The built-in air-drying system is equipped with four 5.5 kWh fans, which can effectively air-dry the whole body of the vehicle, and there is no dead angle in 360 degrees.
6	Intelligent 3D detection system	Equipped with advanced ultrasonic sensors, smart photoelectric sensors and closed-loop controllers, it uses an accurate closed-loop detection system to detect the length of the vehicle to ensure stability, safety, and energy saving.
7	Intelligent electronic collision avoidance system	Carry out vehicle cleaning under the premise of ensuring safety, and carry out safety protection for various emergencies.
8	Parking guidance system	Guide the vehicle to park by reminding lights to avoid danger.
9	Security alarm system	When the equipment fails, the light and sound will prompt at the same time, and the equipment will stop running at the same time.

Main Function Introduction

Items	Features	Instruction
10	Remote control	Through the Internet of Things technology, complete remote startup, shutdown, reset, diagnosis, upgrade, operation, remote liquid level monitoring and other operations.
11	Standby mode	If the device is not used for a long time, it will automatically enter the standby state, which can reduce the energy consumption of the device in the idle state by 85%.
12	Fault self-check	When the equipment is abnormal, start the self-check and alarm procedures, identify the cause of the fault and record the fault code, which is convenient for query and maintenance.
13	Leakage protection	It is used to protect the staff who may get an electric shock in the event of a leakage fault. At the same time, it has overload and short-circuit protection functions, which can be used to protect the circuit and the motor from overload and short-circuit.
14	A free upgrade	The software program version is free to upgrade for life, so that your car washing machine will never be outdated.
15	Water and electricity separation water foam separation	No electrical appliances are exposed to the outside of our mainframe rack, and put the control box and wires in the storage room. This ensures safety and reduces failures.
16	Direct drive system	The use of new direct drive technology has greatly improved the energy saving, safety and stability of the equipment.
17	Car wash process display Board	Display the washing process of every step with light on to give customer instruction.
18	Frequency conversion energy saving system	This allows fan or pump output to be varied to match process conditions, which can provide energy savings.

Main Configuration Non-contact



CBK US-SV Touchless car wash equipment

Main configuration	Unit	QTY
Main Structure (Stainless Steel)	Set	1
Touch Screen Operating System	Set	1
Electric Distribution System	Set	1
High Pressure Water Spray System	Set	1
Foam Wax System	Piece	1
Walking System	Piece	1
Robotic Arm	Set	1
Ultrasonic Detection System	Set	1
Suspension System	Set	1
Pneumatic Control System	Set	1

Main Parameters

Non-contact



Technical Parameters

Parameters	CBK US-SV
Warranty	3 years
Appearance size of equipment	L9150*W3800*H3600mm
Venue Size	L9600*W4200*H3650mm
Ground Concrete Thickness Of The Site	More than 20 cm and be horizontal
Water Pump	GB 6 Motor 18.5KW/208V
Air-drying motor	Four 5.5KW motors/208V
Pump pressure	10MPa
Standard water consumption	130-180L/Car
Rail length	9M
Total power	25KW
Total Weight	2200KG
Shipping volume	18CBM
Power Requirement/ Customize	3 Phase 208V

Core Parts



HMI



Frequency Converter



Hybrid Stepper Servo Driver



PLC Control System



Variable Frequency Motor



Proximity Switch

Core Parts



Ultrasonic Sensor



High Pressure Water Pump



Breaker



Peer Bearing

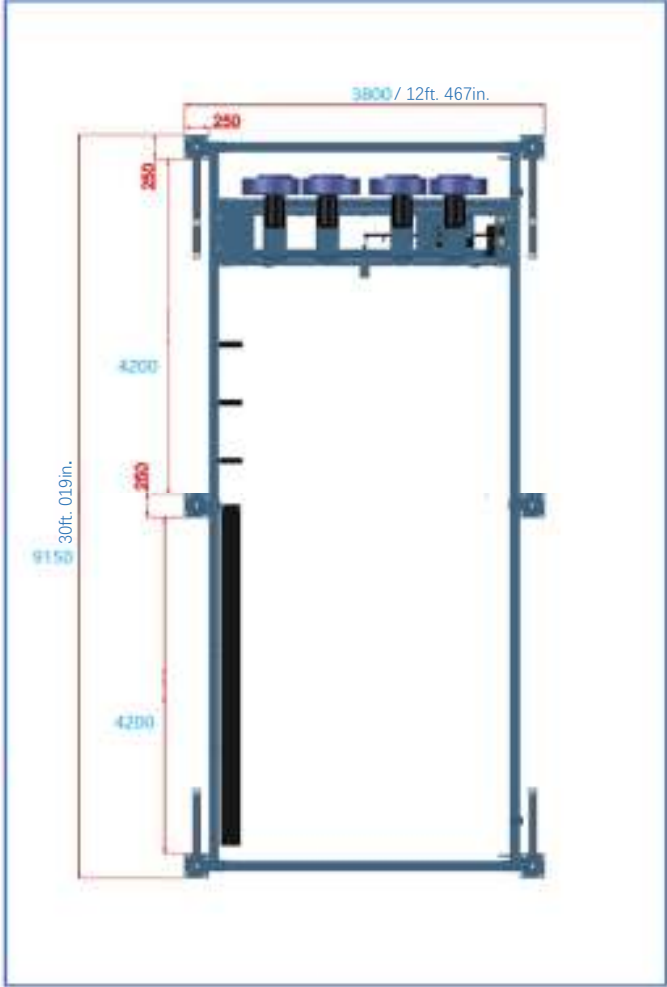
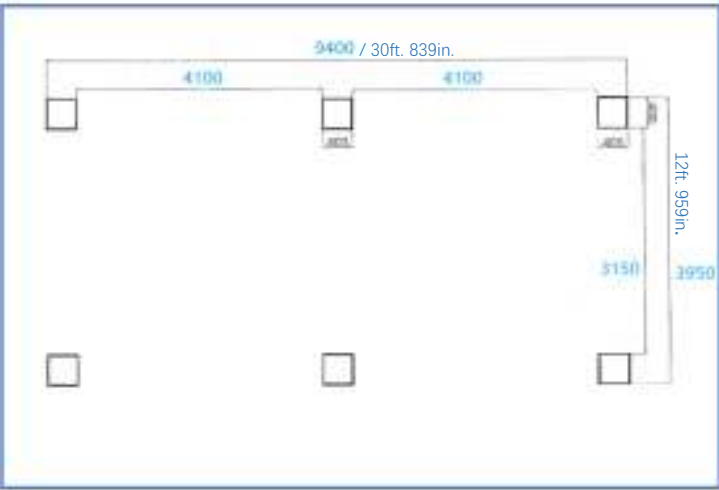
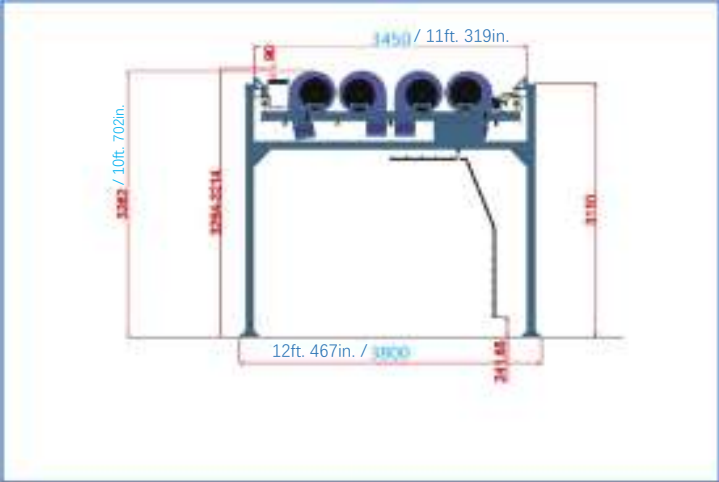


Proportioning System

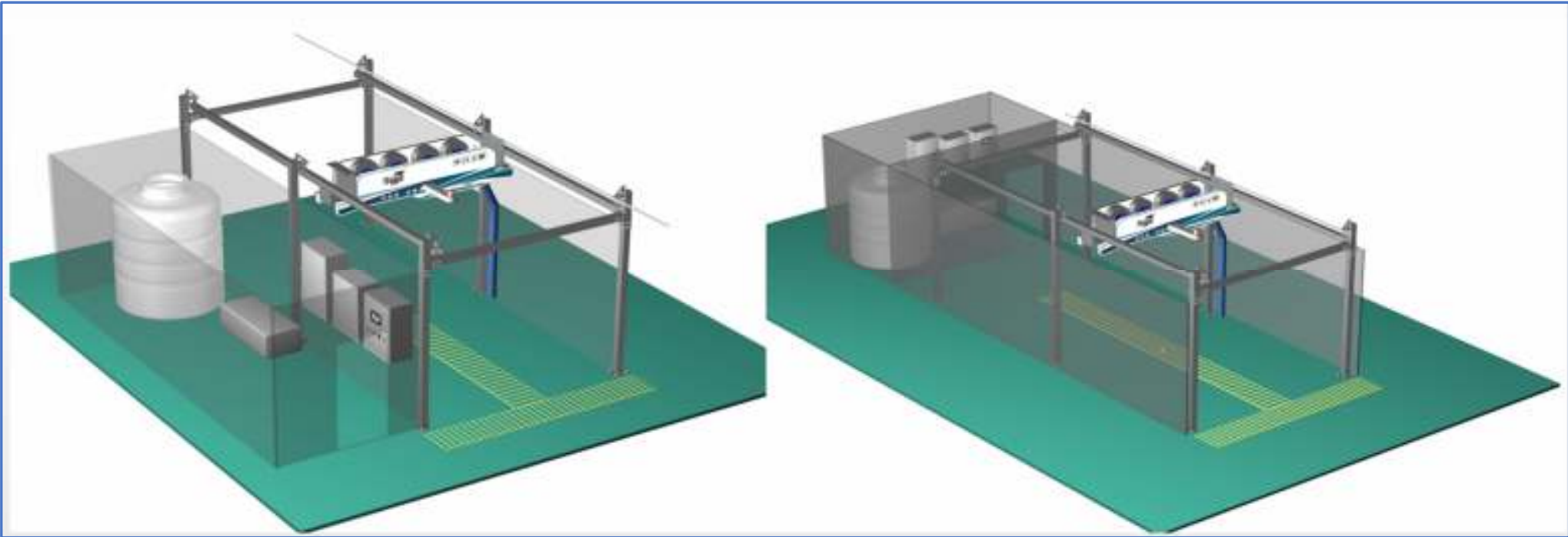


The Photoelectric Correlation

The Installation



Installation Diagram




Policy Support



Installation Support




Custom Support



Equipment Support




Spare Parts Support



Track After-sale



Training Support




Marketing Support



Design Support




3 Years Warranty



System Free Upgrade Service



Optional Function



Technical Support



Operations Support



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