**SPECIFICATIONS**

**FOR**

**SMYU 2026 Car Wash System**

**AT**

**Auto Hobby Center B-1214**

**OSAN AB, ROK**

**4 September 2026**

**51 Force Support Squadron**

**STATEMENT OF WORK**

SMYU 2026
Auto Hobby Center Car Wash System
OSAN AB, ROK

**1. GENERAL**: The work to be performed for completion of this Work Plan project shall be as described in general below.

**1.1.** The contractor shall provide all labor, tools, equipment, supplies, and any other resources necessary to accomplish the scope of work contained herein and as included in the drawings and specifications.

**1.2.** All work shall be completed IAW specifications and standards referenced in section 3 and drawings associated with this project.

**1.3.** Before any components are fabricated and/or integrated into assemblies, or shipped to the site, the contractor shall prepare a complete hardware submittal and receive 51 Force Support Squadron approval prior to the execution of related services. 51 Force Support Squadron shall require the submittals to be delivered electronically in PDF. Catalog cuts, wiring connections, and such other technical specifications or descriptive matter and documentation as may be required to fully describe the equipment and to demonstrate its conformity to the system, shall be submitted with the hardware submittal. The decision of the 51 Force Support Squadron on the acceptability of any submittal shall be final.

**1.4.** PRINCIPLE WORK FEATURES: This project includes, but will not be limited to, the following principal features: Schedule #1, Maintenance and Repair: All work shall be in accordance with the attached drawings and specifications. The contractor shall provide the COR with samples for approval before ordering materials for both projects.

**2. SCOPE OF WORKS (SOW):**

**2.1. CIVIL WORKS:**

2.1.1. Remove existing steel frame canopy and old car wash system.

2.1.2. Installation of New conc. PAD for Car wash system. As show on the drawing

2.1.3. Installation of new drain system. As show on the drawing

2.1.4. Installation of rails for an automatic car wash system. As show on the drawing

2.1.5. Install of No touch type (Cocowash sky Mini) car system. APPENDIX “A”

2.1.6. Install of brush type Model: M-LM535 car wash system. APPENDIX “B”

2.1.7. Install of the exterior canopy structure for an automatic car wash. As show on the drawing

2.1.8. Install automatic doors at entrance and exit. As show on the drawing

2.1.9. Install all water lines required for the new car wash. As show on the drawing

2.1.10. Install ceiling LED lighting system. As show on the drawing

2.1.11. Install canopy structures for the dry-cleaning zone. As show on the drawing

2.1.12. Install of automatic doors (entrance only 2 bays). As show on the drawing

2.1.13. Install of lighting fixtures 3 bays. As show on the drawing

2.1.14. Install of electric unit heaters 3 bays. As show on the drawing

2.1.15. Install of cleaning system including vacuum cleaners and air guns. As show on the drawing

**2-2**. Contractor Required Design Data (Technical Evaluation Purpose)

**2-2-1** Cover pages(s) such as title sheet, project location, schedule of drawings.

- Removal plan
- Site plan
- Details for plumbing work (interior/exterior) including stub-up installation.
- Cover pages(s) such as title sheet, project location, schedule of drawings.
- Required Design Data (100% Drawings and Report, Post Award)
- Details for plumbing work interior/exterior including installation
- Electrical plan and details for exterior light work

**3. CONSTRUCTION SCHEDULE INFORMATION:**

KEY INFORMATION FOR CONSTRUCTION SCHEDULE

| | | |
|---|---|---|
| Project Site | Bldg Location or Area | Auto Hobby Center B-1214 |
| Contract Type | Work Plan | |
| Performance of Period (PoP) | 110 Days (After Post Award Meeting) | 20Days for submittal review/approval, 30Days for material procurement + 60 Days for mobilization/construction |
| NAF projects. | NAF | |

| | | |
|---|---|---|
| Risk Assessment (RA) Required | No | |
| Phasing Work Required | No | If yes, Will be determined at pre-con meeting |
| Military Training Event Anticipated | No | |
| Restricted Area Escort Required | No | |

**4.** WARRANTY: See the paragraph 10. Warranty & Service Requirement.

**5.** WORK PERFORMANCE SCHEDULE. All work shall be performed between the hours of0730 hours to 1800 hours, Monday through Sunday, excluding holidays identified in section.

5.1. WORK SCHEDULE. The contractor shall submit its planned work schedule to the COR within 7 calendar days upon award of contract. This schedule must specify the day of the week that the services are to be performed. The schedule is subject to approval by the COR. The contractor is advised that events such as exercises, or other activities may require the contractor to change its schedule. Although the Government will make reasonable efforts to provide advance notice, in some circumstances, adequate notice may not occur. Such schedule changes shall not be grounds for a claim against the government

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6.2 RECOGNIZED HOLIDAYS. The contractor is not required to provide services on the following holidays, except in emergency situations; the holidays are:

| | |
|---|---|
| New Year's Day | 1 January |
| Martin Luther King Jr. | Third Monday in January |
| Day President's Day | Third Monday in February |
| Juneteenth Day | Last Monday in May |
| Memorial Day | 19 June |
| Independence Day | 4 July |
| Labor Day | First Monday in September |
| Columbus Day | Second Monday in October |
| Veteran's Day | 11 November |
| Thanksgiving Day | Fourth Thursday in November |
| Christmas Day | 25 December |

If these holidays fall on Saturday, the preceding Friday shall be observed. If these holidays fall on Sunday, the following Monday shall be observed. If a holiday falls on a scheduled service day, the contractor shall be responsible for rescheduling services for the first day post-holiday observance, per arrangement with the COR.

6.3 Contracting Officer's Representative (COR). The Contracting Officer may designate and authorize an individual to act as COR for this contract. Such COR as appointed, will be specifically designated by letter from the Contracting Officer. The COR will represent the Contracting Officer in the technical phases of the work. The COR will not be authorized to issue change orders, supplemental agreements, or direct contract performance contrary to the provisions of the contract. Only the Contracting Officer will make changes in the scope of work by a properly executed modification.

- Time on target of the site release date and phasing work plan will be discussed with user and COR at the pre-con meeting after award.
- Due to the mission requirements on the installation, there may be occasional restrictions on normal working hours and site access. Please be aware that site access windows are subject to change without prior notice. Contractors are advised to take this work environment into account when preparing their bids.

- The following shall be submitted via email to the COR within 10 days of project award:
- Dates of material/product testing
- Requests to operate equipment taller than 20 feet (6 meters) with timeline of use and exact height required
- Any period of time contractor will not be conducting work (wet season, pavement curing time, etc.)
- Any expected utility outages, road closures, or other impacts on base users that could affect their work
- Requests for Information
- Any correspondence sent from COR to Contractor via email shall be replied to within one work week.

**7.** ADDITIONAL REQUIREMENTS:

7.1. Whenever connections to existing utilities or where new utilities cross existing utilities are shown, the contractor shall carefully expose the utility by hand excavation to verify their locations and depths prior to excavating trenches for the new utility lines.

7.2. Whenever any change in alignment or grade for the proposed utilities are required due to unforeseen conflict with other utilities, the contractor shall inform the contracting officer immediately for remedial action.

7.3. Warranty: Upon completion the base contract, warranty will apply unless a different timeframe is listed in the RFP.

7.4. Final Cleanup: Upon completion of work, work site shall be cleaned of any spills and debris, all Contractor equipment shall be removed, and any restoration efforts made to leave the site in a clean and orderly condition.

7.5. The contractor will provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones and will take all necessary precautions for the protection and safety of the public and/or military traffic and operations.

7.6. Flightline Smoking Policy: Smoking is only permitted in designated smoking areas IAW 51 FWI 36-2901, Commander's Policies.

**8.** SECURITY REQUIRMENTS:

8.1 Contractor's personnel or any representative of the contractor entering installation/base shall abide by all security regulations imposed by Installation Commander or Base Commander at all times and shall be subject to security checks. Contractor's personnel and property shall be subject to search and seizure upon entering the confines of the installation/base, while on, and upon leaving confines of the installation/base.

8.2 ALERTS: During military alerts or special operations, the contractor may not be authorized on base or in the work site. When the contractor is prohibited from access to the base or work site for one (1) day or less per month, no adjustment in the contract time shall be made. When the contractor is prohibited access for more than one (1) day per

month, adjustments shall be made in accordance with applicable clauses of the General Provisions.

8.3 Physical Security: The Contractor shall be responsible for safeguarding all government property provided for Contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured; lights, and water turned off, adjust heat and air conditioning appropriately, and all doors and windows secured.

8.4 AT/OPSEC REQUIREMENTS: The contractor and all associated sub-contractors will practice Operations Security. The contractor shall not talk about work outside of the work area nor discuss the work being performed on social media. The contractor shall not take pictures/video (to include operation of dashcams or other recording devices in contractor operated vehicles) inside sensitive locations without prior coordination with the organization's OPSEC representative and contracting officer representative. It will be the responsibility of the contractor to safeguard all documents provided. Documents will be stored away from view when not being used. Documents, media, drawings, and other associated material that are no longer needed must be destroyed via approved methods. Key Control: The Contractor shall establish and implement methods of ensuring that all keys issued are not lost or misplaced and are not used by unauthorized persons.

8.5 The Contractor shall immediately report to the COR any occurrences of lost or duplicated keys. The Contractor shall re-key or replace keys or reimburse the government for replacement of locks or re-key as a result of Contractor losing keys. In the event a master key is lost or duplicated, all keys and locks for that system shall be replaced or reimburse the government for replacement of locks or re-key.

**9. ENVIRONMENTAL REQUIREMENTS:**

9.1 Construction debris and litter from work areas within the construction limits of the project site shall be collected and placed in watertight dumpsters at least weekly regardless of whether the litter was generated by the Contractor, the public, or others. Collected litter and debris shall not be placed in or next to drain inlets, storm water drainage systems or watercourses.

9.2 Solid waste storage areas shall be located at least 15 m (50 ft.) from drainage facilities and watercourses and shall not be located in areas prone to flooding or ponding.

9.3 Place hazardous materials/waste containers in secondary containment. Container to store construction debris has to have water-proof and leak-proof lid.

9.4 The contractor shall submit the HAZMAT information (especially all paints/coating) and AF Form 3952 IAW AFMAN 32-7002, Chemical Hazardous Material Request Authorization along with a copy of Safety Data Sheet to obtain HAZMAT approval from BEE, Safety, and Environmental Office. All paint products should be lead free.

9.5 For welding and brazing: Perform activities indoors. Cover nearby drain inlets and sweep-up metal particulates after each event.

9.6 The Contractor shall comply with USFKM 4715.05, Korea Environmental Governing Standards (KEGS), Enclosure N, Solid Waste, specific standards for construction waste. The Contractor shall report the metric tons for construction and demolition (C&D) debris, including cost deposited in a landfill, incinerated, or diverted (recycled), respectively, to Environmental Office thru COR every 30 days for each project site. The Contractor shall use the C&D container (Roll-Off type) with water-proof lid and keep it always covered except when in use.

9.7 The contractor shall use lead free coatings and paints. In addition, all surface coating/painting shall be applied by brush or roller. Using spray equipment is prohibited for minimization of air emissions unless otherwise specified or recommended by the paint manufacturer.

9.8 The Contractors are prohibited by 10 U.S.C. 2692 from storage, treatment, or disposal of any contractor owned hazardous waste on installation. The Contractors must get approval from HW Program Manager to store Hazardous Waste generated on-site in connection with a contract activity. HW storage will be on a temporary basis prior to disposal from Osan AB.

9.9 The contractors need either 1) a permit to store hazardous waste while they are working on the installation or 2) they need to remove the hazardous waste from base within 24 hours. In either case, for disposal, the contractor needs to dispose of the waste in accordance with local regulations and provide a stamped manifest or other documentation demonstrating appropriate disposal to Environmental Office.

9.10 The Contractor shall implement Best Management Practices (BMP) specified on Table H-9 of the KEGS and Appendix E of the Osan AB Storm Water Pollution Prevention Plan for construction sites.

9.11 A dust controls plan shall be developed/implemented to take appropriate measure to minimize the generation of dust as a result of their works, operations, and activities during and after construction until the site is reclaimed. Standard dust control Best Management Practices (BMPs) for dust generating activities shall be implemented during construction.

9.12 Contractor will ensure that spills will be prevented from release as defined by USFK Regulation 201-1" to "USFKM 4715.05, KEGS, Enclosure L, Spill Prevention and Response Plan or discharge event reportable to the ROK, Spills of hazardous substances in excess of the reportable quantity (RQ) listed in KEGS Appendix B. Table B-4, POL or liquid or semi-liquid hazardous material, hazardous waste, or hazardous substance in excess of 400 liters (110 gallons), other solid hazardous material in excess of 225 kg (500 pounds), combination of POL and liquid, semi-liquid and solid hazardous material, waste or substance in excess of 340 kg (750 pounds), any wastewater discharge that does not meet criteria in KEGS Chapter 4) in the case of release, the Contractor shall immediately report the incident to the COR. The Contractor shall be liable for all Contractor caused spills, remediation, and shall maintain the capability to respond to and control spills less than 100 gallons.

9.13 Scrap metal shall be collected by the contractor for disposal and sale through the Osan AB Qualified Recycling Program (QRP) in accordance with DOD Instruction 4715.23. The Contractor shall appropriately segregate and place the scrap metal to the location that QRP manager designates on base.

PM : MUN, JUN HO KR USAF PACAF 51 FSS

Phone and email address: jun_ho.mun.kr@us.af.mil Call: 784-3240 / 010-4748-4746

POC : YOU, YONG H CIV USAF PACAF 51 FSS/FSWA

Phone and email address: yong,you.1@us.af.mil Call: 0505-784-2886

## 10. Warranty & Service Requirements

### 1) Warranty Service Obligations

Three-Year Warranty for Machines and Related Parts Warranty for the two automatic car wash machine models — Mini and M-LM535 — including all associated and applicable parts, shall be provided for a period of three (3) years.
This coverage includes mechanical components, electrical parts, control systems, and any manufacturer-designated serviceable items.
One-Year Warranty for Installation Workmanship and Systems All installation-related workmanship, including structural work, equipment setup, piping, plumbing, and electrical systems associated with the installation of the car wash machines, shall be warranted for one (1) year from the date of acceptance.
This warranty covers defects arising from installation processes, materials, or labor.

### 2) NAFI Payment Withholding Rights

If warranty repairs are delayed, incomplete, or not performed in accordance with required standards, NAFI reserves the right to withhold payment of any remaining balance. NAFI is not obligated to release outstanding funds until the contractor has fully satisfied all warranty and service obligations.

## 11. Payment Terms

### 1) First Payment (90%)

Upon submission of the contractor's invoice and RA's confirmation that all renovation work has been fully completed, NAFI will remit ninety percent (90%) of the contract amount to the designated bank account within 15–20 days.

### 2) Final Payment (10% After 12 Months)

Beginning 365 days (12 months) after the completion date, if all renovated areas remain in good condition and all after service support has been satisfactorily provided, the contractor may submit an invoice for the final payment. The remaining ten percent (10%) will be paid within 15–20 days following invoice submission.

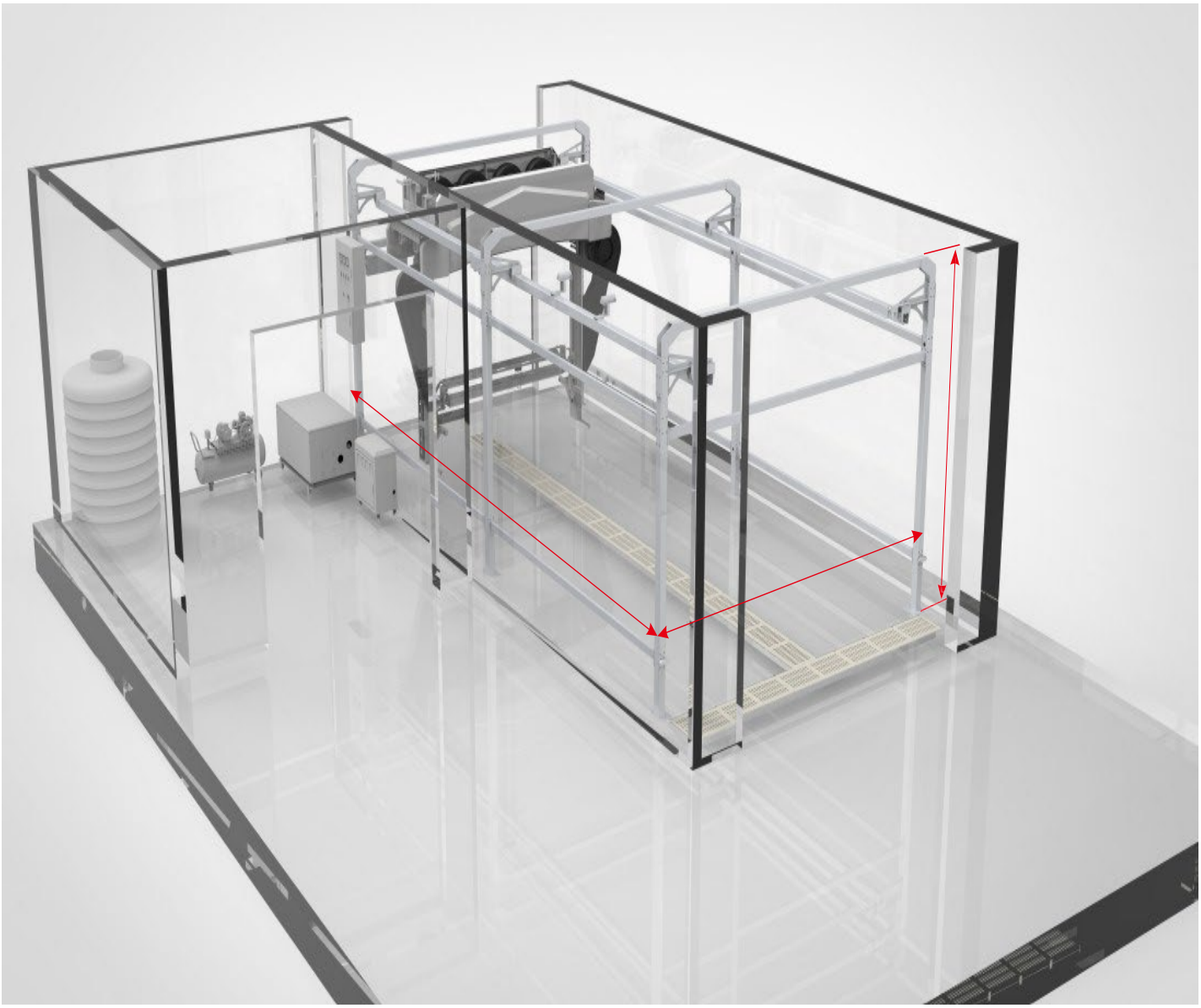
**APPENDIX "A"**

**SMYU 2026**

**Auto Hobby Center B-1214**

Model:MINI

| Name | Specifications | Name | Yes or No |
|---|---|---|---|
| Production time | 20 days | Chassis cleaning | Yes |
| Service | Machine Service period 3years | Arm foam | Yes |
| Volume/weight | 16CBM/2800KG | Both side foam | Yes |
| Cleaning time | 4-6 minutes | Colorful foam | Yes |
| Water pressure | 150bar | High pressure water flushing | Yes |
| Cleaning size | 5.5*2.0*2.05M | Coating water wax | Yes |
| Installation size | 9 * 4 * 4M | Mobile blow dry | Yes |
| Voltage | 220-415V/63A | Car high detection | Yes |
| Power | 35kw | Car length detection | Yes |
| Blower power | 5.5KW * 6 | Car width detection | Yes |
| Motor power | 18.5KW | Remote control | Yes |
| Operating system | 10" touch screen | Installation and maintenance tool kit | Yes |
| Air compressor specifications | 3KW/50L/0.8MPa | LED prompt screen | Yes |



**APAPPENDIX "B"**
**SMYU 2026**
**Auto Hobby Center B-1214**
**OSAN AB, ROK**

| Product categories and Servce | | | Machine Service period 3years |
|---|---|---|---|
| Model | | | M-LM535 |
| Product name | | | Roll-over Car Wash |
| | | | - |
| Applicable Car Types | | | Passenger cars, SUVs, vans, and commercial vehicles with up to 7 seats |
| Machine Dimensions | m | L | 2.45 |
| | m | W | 3.7 |
| | m | H | 2.9 |
| Installation Space | m | L | 10 |
| | m | W | 4 |
| | m | H | > 3.5 |
| Rail Dimensions | m | L | 9.5 |
| | m | W | 3.29 |
| Max.Washable Car Dimensions | m | L | 5.4 |
| | m | W | 2.2 |
| | m | H | 2 |
| Car Wash Mode | | | Mode 1/Mode 2/Mode 3/Mode 4/Mode 5 |
| Washing Mode | Mode 1 | | (→) Foam car wash soap brushing+spray water wax (←) Air drying |
| | Mode 2 | | (→) Foam car wash soap brushing (←) Spray water wax |
| | Mode 3 | | (→) Foam car wash soap brushing (←) Clean water brushing+spray water wax (→+←) Airy drying |

Reference of Request for Quotations OSANF26Q0007

| | | | |
|---|---|---|---|
| | Mode 4 | | (→+←) Air drying |
| Estimated Wash Time | min/car | Mode 1 | 3.25 |
| | min/car | Mode 2 | 3 |
| | min/car | Mode 3 | 6 |
| | min/car | Mode 4 | 2.5 |
| Estimated Power Consumption | kWh/car | Mode 1 | 0.95 |
| | kWh/car | Mode 2 | 0.7 |
| | kWh/car | Mode 3 | 1.5 |
| | kWh/car | Mode 4 | 0.8 |
| Estimated Water Consumption | l/car | Mode 1 | 110 |
| | l/car | Mode 2 | 150 |
| | l/car | Mode 3 | 150 |
| Estimated Wash Liquid Consumption | ml/car | Mode 1 | 19 |
| | ml/car | Mode 2 | 19 |
| | ml/car | Mode 3 | 19 |
| Estimated Water Wax Consumption | ml/car | Mode 1 | 15 |
| | ml/car | Mode 2 | 15 |
| | ml/car | Mode 3 | 15 |
| Rated Power (including air/dryer/water pump) | kW*个 | | 30.5 |
| Rated Voltage | - | | 3-ph AC380V/220V 50Hz |
| Air Source Requirement | Mpa | | 0.6~0.8 |
| Chassis Travel Motor | kW*1 | | 0.18*2 |
| Top Brush Rotation Motor | kW*1 | | 0.75*1 |
| Top Brush Lifting Motor | kW*1 | | 0.75*1 |
| Side Brush Rotation Motor | kW*1 | | 0.75*2 |
| Side Brush Open & Close Motor | kW*1 | | 0.18*2 |
| Rocker Panel Brush Rotation Motor | kW*1 | | 0.37*2 |
| Total Power of Dryer | kW*1 | | 22 |
| Top Dryer Motor | kW*1 | | 5.5*2 |
| Top Dryer Lifting Motor | kW*1 | | 0.75*1 |
| Side Dryer Motor | kW*1 | | 5.5*2 |
| Submersible Pump Power | kW*1 | | 2.2*1 |
| Submersible Pump Pressure | Mpa | | 0.96 |
| Submersible Pump Flow Rate | m3/h*1 | | 3 |
| Proportioning Pump Power | kW*1 | | 0.0055*2 |
| Proportioning Pump Pressure | bar*1 | | 6*2 |
| Proportioning Pump Flow Rate | L/h*1 | | 3*2 |
| Front | | | • |
| Both sides | | | • |

| | |
|---|---|
| Rear | • |
| Roof | • |

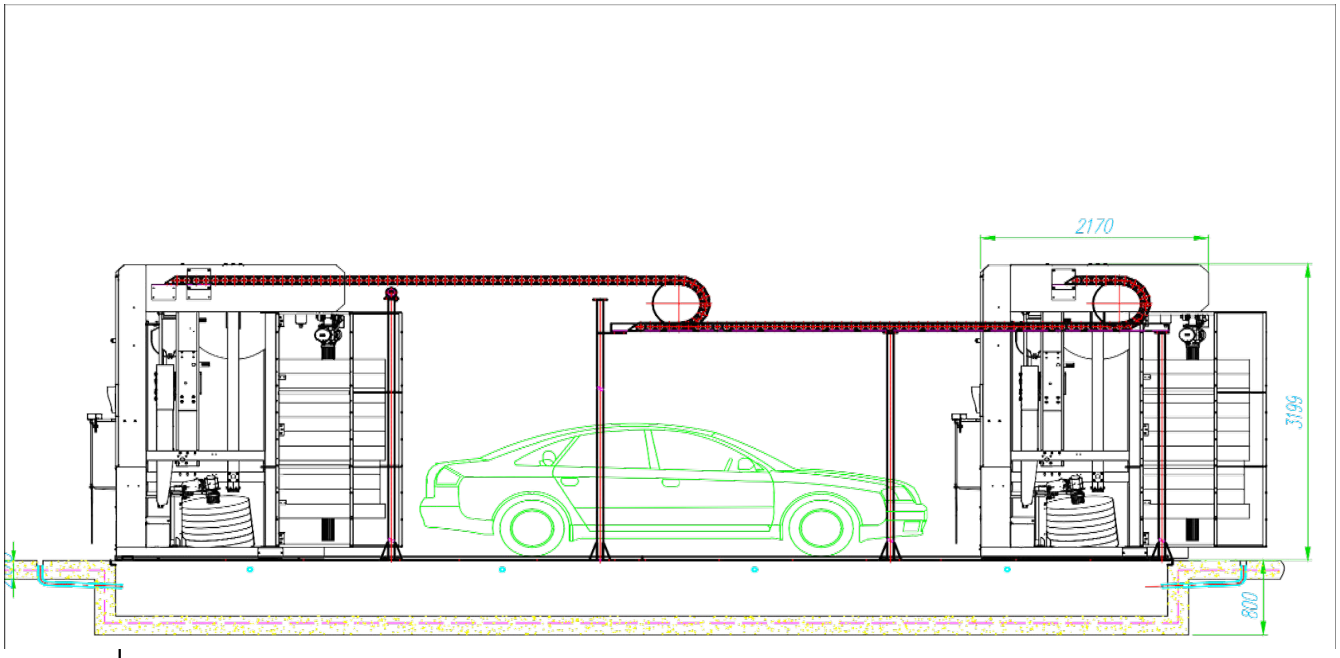
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| **Customer-supplied Water Tank Specifications** | **tons** | **2** |
| **Customer-supplied Air Compressor Specifications** | | **2.2kW, 100L, 0.8MPa** |
| **Recommended Air Compressor Model** | | **PLV2070-FJ** |
| **Top Dryer** | **Unit** | **2** |
| **Side Dryer** | **Unit** | **2** |
| **Top Brush** | **Unit** | **1** |
| **Side Brush** | **Unit** | **2** |
| **Rocker Panel Brush** | **Unit** | **2** |
| **Top Brush** | | **EVA** |
| **Side Brush** | | **EVA** |
| **Rocker Panel Brush** | | **EVA** |
| **High-Pressure Nozzle Material** | | **Stainless steel** |
| **Car Wash Liquid Material** | | **Foam/Water** |
| **Overall Machine Frame Structure** | | **Hot-dip galvanizing** |
| **Control System** | | **Standard** |
| **Travel System** | | **Standard** |
| **Display System** | | **Standard** |
| **Smart Touchscreen Control** | | **Standard** |
| **Guidance Device** | | **Standard** |

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|---|---|
| **Foam Spray** | **Standard** |
| **Water Wax Spray** | **Standard** |
| **Automatic Proportioning Pump Solution System** | **Standard** |

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| **Rocker Panel Scrubbing** | **Standard** |
| **Contour-Following Brush Wash Function** | **Standard** |
| **Side Brush Follow-Wash Function** | **Standard** |
| **Rearview Mirror Avoidance Wash Function (With Brush)** | **Standard** |
| **Side Brush Over-Center Line Wash Function** | **Standard** |
| **Contour-Following Top Dryer System** | **Standard** |
| **Car Wash Count Statistics** | **Standard** |
| **Fault Self-Check Parking Alarm System** | **Standard** |
| **Winter Anti-Freeze System** | **Standard** |
| **Anti-Leakage Function** | **Standard** |
| **Phase Loss Power-Off Protection Function** | **Standard** |
| **Frame** | **In-house** |
| **Programmable Controller** | **Mitsubishi, Japan** |
| **Variable Frequency Drive** | **zoncn** |
| **Infrared Photoelectric Switch** | **ROKO** |

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|---|---|
| **Proximity Switch** | **ROKO** |
| **Contactor** | **Schneider** |
| **Thermal Relay** | **Schneider** |

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|---|---|
| **Air Switch** | **delixi** |
| **Pressure Reducing Valve** | **airtac** |
| **Pressure Regulating and Filtering Valve** | **airtac** |
| **Two-Position Five-Way Valve** | **airtac** |
| **Pneumatic Cylinder** | **airtac** |
| **Submersible Pump** | **SHANGHAI KAILI** |
| **Plunger Pump** | **PINFL** |
| **Proportioning Pump** | **Ecolab** |
| **Touchscreen** | |
| **Proximity Sensor** | **ROKO** |
| **Limit Switch** | **OMRON** |
| **Chassis Travel Motor** | **SITI** |
| **Top Brush Rotation Motor** | **SITI** |
| **Top Brush Lifting Motor** | **SITI** |
| **Side Brush Rotation Motor** | **SITI** |
| **Side Brush Open & Close Motor** | **SITI** |
| **Rocker Panel Brush Rotation Motor** | **SITI** |
| **Top Dryer Motor** | **SITI** |
| **Top Dryer Lifting Motor** | **SITI** |
| **Side Dryer Motor** | **SITI** |


2170
3199
800


STOP
STOP