



**THE PROPOSAL**  
**ASK 120**  
**Hydraulic Crane with Folding Boom**

<b>CUSTOMER:</b>	<b>SUPPLIER:</b>
<b>CONTACT PERSON:</b>	<b>DATE:</b>
<b>E-mail:</b>	<b>VALIDITY:</b>

**Dear Yusuf Haroon**

**In the attached file you will find the Proposal and specification(s) for the ASK120 L6+4.**

**Hope you to see our offer appropriate and work on the long-term business relationship with us.**

**Sincerely**

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**ASELKON VİNC KAMPÜS MAKİNA SAN. Ve TİC. LTD. ŞTİ.**

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## **Technical Specifications**

### **Chasis of Crane**

- The Crane and outriggers are mounted on its own chassis. This chassis is connected to the Vehicle's chassis with screws and studs. In case of vehicle malfunction, the full set of the crane can be connected to another vehicle..

### **Steel Construction**

- The Crane chassis is made to set foot booms St 52-3 quality steel sheet, the main boom and the upright boom are produced from high-strength ALFORM -700 or equivalent material.

### **Rotation System**

- Slewing ring, planetary reducers, hydraulic motor, hydraulic brakes and endless rotation hydraulic distributor work on the Crane.

### **Outriggers**

- 2 pieces under the crane, 2 pieces under the chassis vertical and horizontal mobile hydraulic outriggers of the balance are made (total 4 pieces). These outriggers are mounted in the frame of the crane. During the operation of the crane come down, the vehicle's chassis, axles and shears is unable to load.
- Combined bending and torsion foot booms sensitive resources, etc. as resistant high-strength material type of box is manufactured.
- On the foot of retainers imported blocking valves are used.

### **Boom System**

- There are 1 upright boom, 1 main boom, 1 folding boom and 6 hydraulic extension booms basically. At the folding boom there are 4 hydraulic booms and 2 mechanic booms.
- Wear and reduces friction between the main boom and telescopic booms guide Cestamid.

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- Folding booms and telescopic booms are produced from high-strength imported material.(ALFORM-700)

### **Body**

- Case's length are designed in accordance to length of vehicle chassis.
- The base of case are produced as 4 mm from checker plate.
- To sides of the case 2 pieces of 5 mm sheet and on the back 1 collapsible cap which locks device are made.
- 190 cm-stroke hydraulic case extension are made.

### **Security (optional)**

- Moment control system will be settled down to cut overloaded control system will be settled down to cut overloaded hydraulic circuitry. Moreover this moment control system only will permit to withdrawal of extension booms of the operator.
- In urgent case that the operator cannot see but it requires interventions an emergency stopping button will be placed to cut the hydraulic circuitry.
- Besides, a weight control system will be equipped that records which boom worked how long and these records can be transferred to computer via USB then duration of maintenance and wear statistics of crane can be calculated.
- The whole electronic parts of the crane will have IP67 class ambient resistance.
- Optimization work on sloped ground with nine-axis three angle sensors ( main boom, folding boom, on the second folding) and with electronic balance system.
- Pressures and angles of the boom can be followed on the screen display in real-time.
- The opportunity to watch from the operator panel by dual-axis motion tracking camera system.

### **In addition;**

- All areas to be used in the bronze bearing joints and knuckles on the crane will be subjected to heat treatment.

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- All bolt holes will be drilled and connected at a time, so that will be provided to each other parallel to the pin hole and would prevent swagger.

### **Hydraulic System**

- Double-acting hydraulic cylinders and honed from high-strength material (at least the quality of ST-52 or equivalent) will be produced.
- Rods precision-machined, hard chrome-plated high-strength material to (at least the quality of Ç-1040 or equivalent) will be produced.
- The hydraulic system; machine, hydraulic system and an overload in order to protect the people working under the machine, waiting for a long time to load the hose burst and pressure relief, load holding (Over center) and twin locking valves shall be used.
- Normal engine speed of the vehicle will provide 250 bar pressure pump continuously.
- The system maximum working pressure will be 250 bar.
- The system will be provided on the suction and return filter cleaning system using the system will be healthy and long life.
- Hydraulic plumbing pipes, seamless steel pipe imported from cold-shooting will be covered with phosphate ST37.
- The hydraulic hoses will be R2 double wire braid.
- A record thimbles used for Installation will be imported.
- Hydraulic oil tank capacity of the crane will not interfere with the operation capacity will be selected.
- At all levels, hydraulic installations pressure can be read from manometer bar and kg/cm<sup>2</sup>.



### **Price**

• Pump	Sunfab (ASELKON)
• Stell Boom Group	ALFORM-700 or OPTIM 700 (ASELKON)
• Crane Control	Walvoil (ASELKON)
• Foot Control	Walvoil (ASELKON)
• Reducer	Dinamic Oil (ASELKON)
• Valves	OilComp (ASELKON)
• Rotation Filter	Ikron (ASELKON)
• Suction Filter	Ikron ((ASELKON)
• Hoses	Manuli (ASELKON)
• Installation pipes	Benteler (ASELKON)
• Hoses Drum	Demac(ASELKON)
• Hydraulic Cylinders	Materialsoriginally Europeanmade by ASELKON
• Ring Gear	IMO (ASELKON)1380mm diameter external thread

**TOTAL PRICE**

**115 000 USD**

### **Payment**

30 % Advance with the Order of Confirmation  
70% Beforedelivery of good(s)

### **Delivery**

25 DaysEx-FactoryafterreceivingtheAdvance

### **Warranty**

The warranty period of the Crane will be 24monthsby certificateof the Ministry ofIndustry and Trade.

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**ASELKON**

**The High Technology Hydraulic Crane**



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## High Quality Materials.

### Supplier(s) of Materials



### Robotic System



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