



**TRUCK MOUNTED KNUCKLE BOOM  
HYDRAULIC CRANE  
PROPOSAL**

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

**Dear**

**In the attached file you will find the Proposal and specification(s)  
for the ASK 200 L9+4**

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

**Sincerely**

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

Adres: Fetih mah adana çevre yolu no:113 Karatay KONYA-TURKIYE Tel: 0332 346 06 10

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## **Technical Specifications**

### **Chassis of Crane**

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

### **Steel Construction**

- The Crane chassis is made to set foot booms DOMEX-700 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 in the rear part 2 pieces under the chassis vertical and horizontal mobile hydraulic outriggers of the balance are made (total 6 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 (at least DOMEX 700 quality or equivalent) 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 9 hydraulic extension booms basically. 2. folding boom 4 hydraulic extension 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 nonagon 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 5 mm from checker plate.

### **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.

### **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.

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- 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.
- Do operate the system easily (max. 350 bar pressure) imported origin piston pump will use
- 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>.

**Additionally;**

- Bronze bearing joints to be used in all places on the crane and bolt will be heat treated
- All bolt holes to be drilled and connected at a time, Thus bolt holes become parallel to each other and strains will be prevented
- Heavy burden proof tool box on suitable part will be built and chassis and body connection will built for prevent to fall down

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### Price

- Pump Sunfab(ASELKON)
- Stell Boom Group ALFORM-700 or DOMEX 960 (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 Materials originally European made by ASELKON
- Ring Gear IMO (ASELKON) 1380mm diameter external thread

### Payment

**190 000 USD**

50 % Advance with the Order of Confirmation

50% Before delivery of good(s)

### Delivery

25 Days Ex-Factory after receiving the Advance

### Warranty

The warranty period of the Crane will be 24 months or 3750 hours (which runs out first) by certificate of the Ministry of Industry and Trade.

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## ASELKON

The High Technology Hydraulic Crane



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Production Automated Machines



[www.aselkon.com.tr](http://www.aselkon.com.tr)

## High Quality Materials.

Supplier(s) of Materials



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Robotic System



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# Electronic Maintenance System

**Продолж-сть испол-ния**

Общая время исполнения	5 Ч 13 М 21 с
Время поладного исполнения	0 Ч 1 М 21 с
Колесо аварийных остановок	0 раз
Проверку по боковой несимметрии	0 раз
Вр. цилиндр 1-ой стр. (ран.нагр10-40%)	0 Ч 1 М 9 с
Вр. цилиндр 1-ой стр. (ран.нагр80-90%)	0 Ч 0 М 0 с
Вр. цилиндр 1-ой стр. (ран.нагр90-100%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр10-40%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр80-90%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр90-100%)	0 Ч 0 М 0 с
Вр. раб. 1-ой стр. (ран.перегрузка)	0 Ч 0 М 0 с
Вр. раб. 2-ой стр. (ран.перегрузка)	0 Ч 0 М 0 с
Вр. Движ. цилиндр(ран.нагр10-40%)	0 Ч 0 М 30 с
Вр. Движ. цилиндр(ран.нагр80-90%)	0 Ч 0 М 0 с
Вр. Движ. цилиндр(ран.нагр90-100%)	0 Ч 0 М 0 с
Вр. раб. Движ. центра (ран.перегрузка)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр10-40%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр80-90%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр90-100%)	0 Ч 0 М 0 с
Вр. цилиндр 2-ой стр. (ран.нагр100-110%)	0 Ч 0 М 0 с
Вр. раб. Широко 2-ой стр. (ран.перегрузка)	0 Ч 0 М 0 с

**Давления в цилиндр-ах**

**Нагрузка цилиндр-ов 1-ой стр.** % 0

**Нагрузка основной стр.** % 0

**Угол крана по ширине борта**

**Угол крана по длине борта**

0.0°

Отчет Экрана  
Дата начала: 2014/03/27  
Дата окончания: 2014/03/27  
Часы: 00 Минут: 00  
Служба связи ASELKON

**ASELKON**  
www.kampushidrolik.com

X: 0° Y: 0°  
Широта: 36.93258 Долгота: 36.00145  
Сер. № электр. системы: ASK5422125542

**ASELKON**  
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Оставшееся время до замены сальников в цилиндрах выдвижения на стреле: 895 Ч

Оставшееся время до замены смазки осей 2-ой стрелы и осей цилиндра 2-ой стрелы: 295 Ч

Оставшееся время до замены смазки осей основной стрелы: 295 Ч

Оставшееся время до замены сальников в осевых цилиндрах 1-ой стрелы: 895 Ч

Оставшееся время до замены пластмассовых скользящих на первой стреле: 1795 Ч

Оставшееся время до замены сальников осей основной цилиндра: 295 Ч

Оставшееся время до замены пластмассовых скользящих на 2-ой стреле: 1795 Ч

Оставшееся время до замены смазки осей цилиндра 1-ой стрелы: 295 Ч

Оставшееся время до замены шестеренки редуктора: 895 Ч

Оставшееся время до замены смазки зубчатого венца: 295 Ч

Оставшееся время до замены смазки в редукторе (масло Gear90): 445 Ч

Оставшееся время до замены подшипников в редукторе: 295 Ч



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