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**Model: Hiab X-HiDUO 158 E-3+ Hiab Multilift Ultima ULT16S56.**

(with RADIO CONTROL - communication with RADIO waves)

Painting System **nDurance™**



\* **Presentation title image.**

Unic importator



## MODEL CONFIGURATION OFFERED:

- Lifting moment: max: 141.6 kNm;
- BASE: molded and stress-relieved to eliminate stress concentrators - possible in the case of welded constructions
- Lubrication of the rotation system is done at the base, in the gear oil bath, separate from the hydraulic installation



- Possibility of rotation - 415°
- COLUMN: has a passage channel inside for the actuation hoses, protecting them
- ARMS: 2 hydraulically actuated articulated arms, one of which is telescopic (3 - hydraulic sections)
- Range of action: 10.7 m, with arm specially designed for medium ranges
- Additional left/right arm pads – for high precision
- Riding distributor 4 - functions: necessary to actuate the riding system
- STABILIZER BEAM: with hydraulic expansion on both sides, corresponding opening for optimal stability
- RIDING LEGS: FOLDABLE with pneumatic assistance, with hydraulic telescoping on the ground. Soles with spherical joint.
- HIAB main distributor – V80R, (able to perform 2-3 movements simultaneously)
- The crane is operated manually, from the base - only for emergency situations

RADIO CONTROL - the crane is controlled from a distance (RADIO)



## SECURITY ELEMENTS –

CE-SPACE (EVO) package including:

- S (EVO): system electronic in case of overload with the blocking of the commands that lead to the increase of the moment
- NOT - AUS: stop button in case of emergency (mushroom type)
- Safety valves on the rotation system, on the main and secondary arm cylinder (with double action) as well as on the telescoping cylinders

Safety valves on the hydraulic riding system

- Electronic systems - Visual / audible operator warning system - with warning lamps mounted on the cages

- Electronic systems - Capacity limitation system depending on the extension of the cages, with continuous variation (VSL)

With the VSL system you can lift the maximum possible load in conditions of stability - for any position of the riding legs!

- Electronic systems - Collision prevention system with bridges / passages during transport

- Electronic systems - Warning system if the riding system is not properly secured

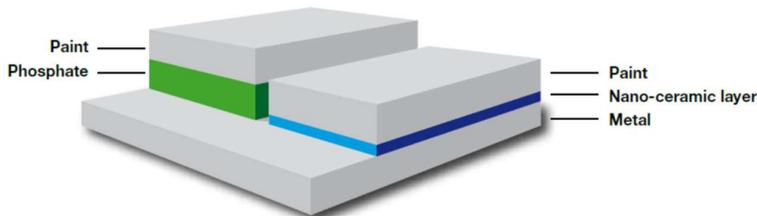
- Integrated electronic system - warning of revisions, diagnosis and emission of error codes

- ADO: automatic hydraulic oil diversion system directly to the tank if the levers are not touched for 3 seconds

- Automatic system for closing the crane's electronic system if the levers are not touched for 30 minutes

- Work reflector at night, mounted on the telescopic arm

- Pre-painting at high temperatures, Hiab Black RAL 9005 - KTL & nanotechnology



- Pre-painting at high temperatures, Hiab Black RAL 9005 - KTL & nanotechnology

NANOTECHNOLOGY – the metal components of the crane are immersed in a bath with nano-particles that adhere to the microscopic structure of the metal, before the start of the KTL painting process (which other manufacturers have); in this way, a greatly increased resistance to corrosion is ensured, especially in the holes, at the weld seams and on the edges (the place where the rusting process begins).

## HYDRAULIC INSTALLATION:

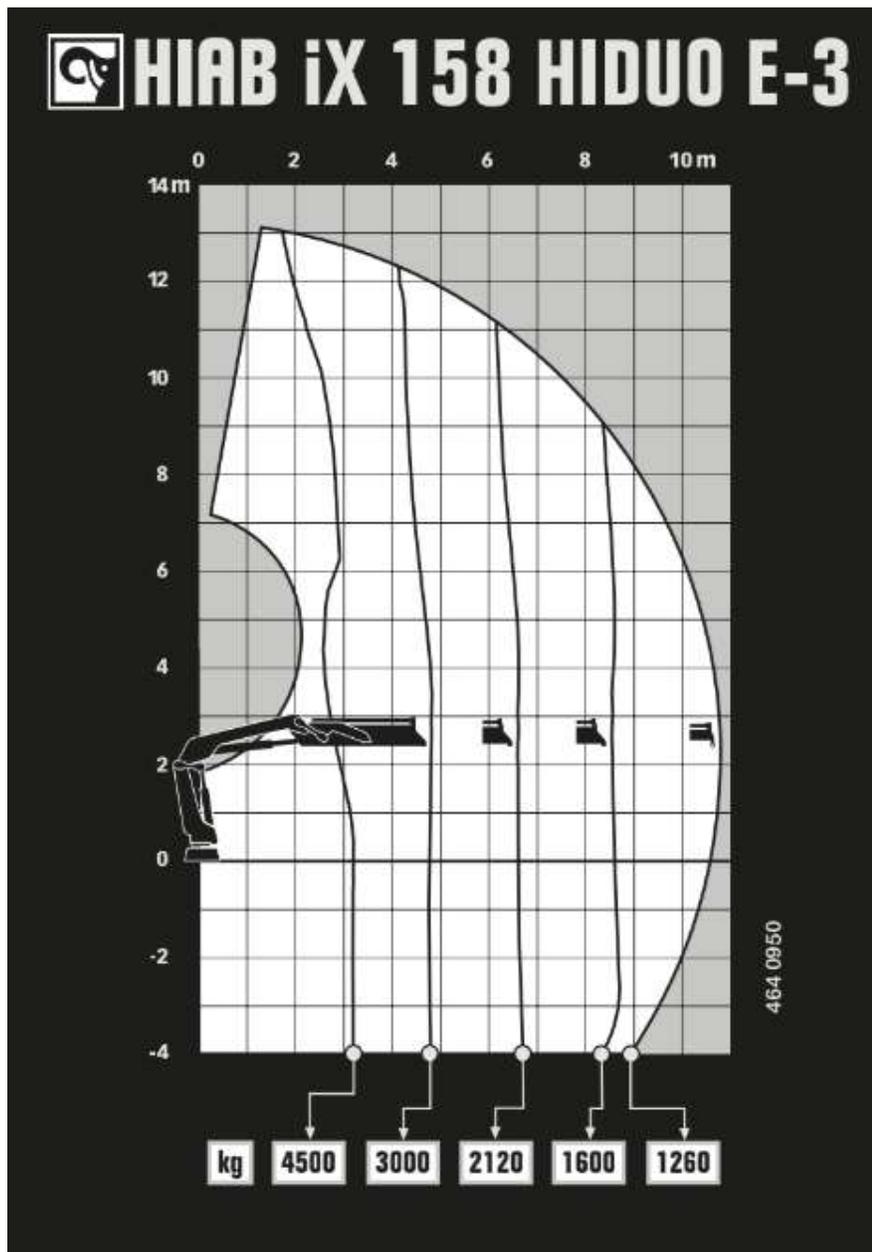
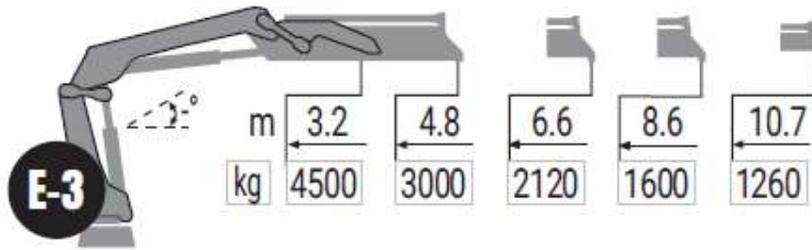
SunFab hydraulic pump - Made in Sweden

Factory pre-installed high pressure filter

Hydraulic oil tank, full, provided with return filter and jam indicator.

ATTENTION: the "zero" elevation is considered the crane installation area; the height of the car chassis ~ 1.3m will be added to the diagram

Load diagram X-HIDUO 158 E-3.



#### DOCUMENTATION:

Documentation required to obtain I.S.C.I.R. authorization; RAR approval; Obtaining CIV

#### ASSEMBLY PACKAGE:

- making additional chassis from special steels
- reinforcement with crossbars to absorb torsional moments
- stiffening between the additional chassis and that of the car chassis with steel fasteners
- fixing the crane on the installation base made according to the latest standards in force
- fixing the tank on the side of the car chassis
- making hydraulic connections through anti-corrosive protected pipes and hoses with protection
- making electrical connections

- RAR approval & CIV release

#### CONTAINER HANDLING HOOK (ABROLLKIPPER):

MODEL: HIAB MULTILIFT ULTIMA 14 S 56 (SLIDING) with CE certificate for containers according to DIN 30722

Nominal lifting capacity: 16 tons



Container compatibility between 4.5 and 6.6 m, (height measured inside).

Weight: 1860 kg.

Tilt angle: 52 degrees.

Maximum working pressure: 50 Mpa

Recommended oil flow: 60 l/min.

#### HYDRAULIC INSTALLATION:

SunFab hydraulic pump, max. 68 cmc/rot – Made in Sweden

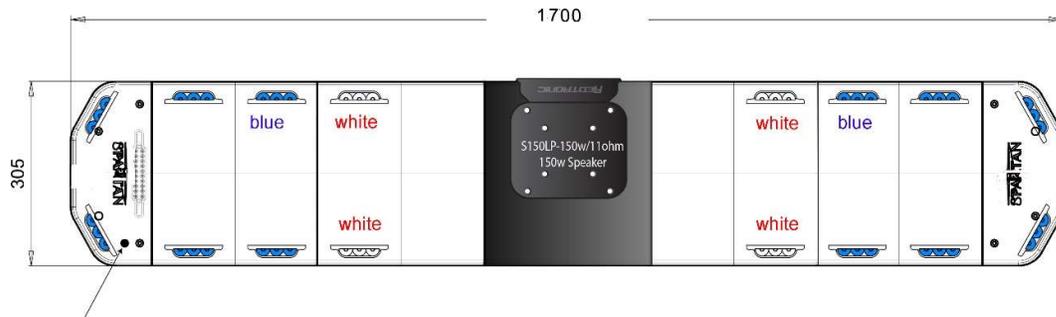
Factory pre-installed high pressure filter

#### ASSEMBLY PACKAGE:

- seamless equipment fixation - screw and semi-elastic fasteners
- making hydraulic connections through anti-corrosive protected pipes and hoses with protection
- making electrical connections

**DOCUMENTATION:**

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1 pc siren amplifier model C3 3599L5 with 200 watt output, ECCO Code3 product – USA



12 flash modules (2 pcs rear + 2 pcs front grill + 4 pcs left side + 4 pcs right side)



code 3812B, ECCO - UK product, is a model that can be mounted on all parts



code CD5110B, product ECCO - UK, securi LED II is a module with larger dimensions and is very efficient if mounted in the back.

Diesel engine pump unit EMP.R300C.SN02 composed of:

\* Diesel engine FPT model F36ETVP04.A105 in Stage V

- Displacement 3.600cc - Number of cylinders 4 in line - Power 105,0 kW (143 HP) @ 2.300 r.p.m.

- Flywheel: SAE 3-11,5"

- Liquid cooling system

\* Horizontal centrifugal pump CORNELL model 12NNT-RP-EM18DB-3

- Suction flange: DN300-12" / Delivery flange: DN300-12"

- Maximum solid handling: 4,00" - 101,6 mm

\* REDI-PRIME automatic priming system of the pump unit

\* RUN-DRY system for mechanical seals protection from damage

\* CYCLOSEAL patented grit and abrasive particle removal system

\* KTR elastic joint to connect engine and pump with hub

\* Supporting BASE FRAME in galvanized steel

\* High capacity FUEL TANK frame 300 liters

- Pressformed in STEEL material

\* Control unit COMAP model INTELIGEN 500 \* ENCLOSED version not insonorized

STREET TRAILER [approved for road use] with following characteristics:

- Double axle with external wheels and steel mudguards

- Maximum allowable trailer mass of 7.500 kg

ACCESSORIES included in the quotation:

- External lights with LED lamp

- Battery master switch

- Battery charge maintenance socket

SUCTION and DELIVERY set composed of [STORZ joints]:

[TO BE LOADED ON A DIFFERENT VEHICLE] Suction set composed of:

- Manifold DN300 with 2 Storz ø200 inlets

- Suction hose ø200 in rubber reinforced with internal steel spiral complete of Storz joint ø200  
L=4,00m

Delivery set composed of:

- Manifold DN300 with 2 Storz ø200 outlets
- Coupling wrench DN200
- Storz reducer coupling ø200x150
- Layflat HILCOFLEX (12 bar) ø200 L=20,00m complete of Storz joint ø200

Warranty period: 24 months from delivery.

HIAB service: Our company has service authorized by the manufacturing company, providing technical assistance during the warranty and post-warranty period, as well as spare parts for a period of 10 years. Upon delivery of the machine, our company ensures the training of the operator staff.

Fixed service: HALL 4000 m2 fully equipped for bodywork / assembly / crane repairs in Bucharest - Chitila area. Zonal service - CLUJ, Timisoara, Iasi. Mobile workshops: 7 units.

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