

HER

## **TRUCK-MOUNTED CRANES**

EDG ERE RAISE YOUR GAME

## ARTICULATED CRANES WITH ULTIMATE PRECISION AND LIFTING CAPACITY HC 243



hyva.com

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## **TOP SOLUTIONS**

## 

Top protection painting - Top quality cataphoresis treatment and paint process on all crane components ensures higher value retention and durability.
Bolts and nuts protected by Geomet® treatment: 890% more resistance against corrosion.
Top quality protection for harsh environment

## **2** EES

• Extra Extension Speed - The market is always demanding more speed along with the highest possible safety. EES is the answer. Through the use of a specially designed counterbalance valve, this system increases the extension speed without affecting the crane's safety. Save time, precise work, increase efficiency

## 3 LAS

 Liftrod Articulating System - Joins forged double linkages on the column and second boom. Its design raises the mechanical advantage of the articulation to provide consistent force through all working angles.
 Precision and versatility for all working positions

# 4 DLD

• Dynamic Load Diagram - After the stabilization, operator can select the load to be lifted. Display shows the permitted crane outreach based on the stability and the load selected.

Crane lifting capacity always under control in all stabilizer positions

## 5 SDS

 Smooth Descent System - Uses a special counterbalance valve to reduce boom oscillation, the result for the user is incredible precision in unloading operations.
 Control and precision of the movement

# SMART AND USER-FRIENDLY CONTROLS

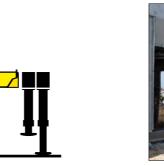
Control station distinguished by operator comfort and user-friendly interface derived from dedicated ergonomic and user preference studies



## **TECHNICAL SOLUTIONS TO RAISE RELIABILITY AND SAFETY**

**New Stability Logic** for maximum level of flexibility

Working flexibility: performance in any situation



• Be free to maximize the use of your crane for all stabilizers' positions.

 Negative angle between first/ second boom produces the most versatile crane structure available. The result is working flexibility - easier access to confined and low ceiling spaces.

## **OUR INNOVATIONS ARE CHANGING THE GAME** Solutions that are the result of smart engineering

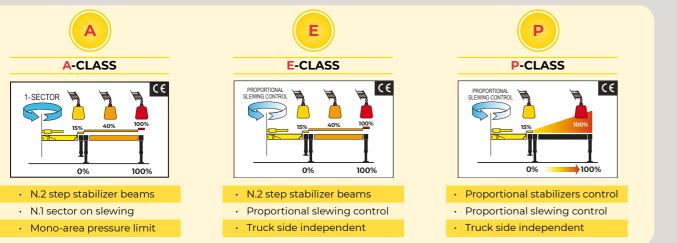


This system, a first on truck-mounted articulated cranes, optimises stabilisation and makes crane operation safer and more efficient, allows the driver to verify in advance the crane lifting capacity based on the truck stability.

boom slewing position.



## **CRANE CONTROL SYSTEM**



## HUMAN MACHINE INTERFACE



Available for the entire range till 28Tm. Highly user-friendly design, with buttons and LED lights. Dedicated led lights to identify the position of each stabilizer. New 3-digits display has been added to inform the operator about alarms and errors.



Up to 6 languages available. Full color new display. Offers more

information and data compared to the LED Panel. The graphic design and intuitive menu guide the operator and service technician to all the functionality information, statistics and performances



Up to 16 languages available into the software.

Top choice available for the range. Data statistics and crane management, all included into a 7" TFT monitor giving to the operator a higher level of awareness of the crane.

## **CRANE CONTROLS**



CONTROL



Top visualization on 3" graphic display on the remote transmitter Improved crane data visualization and crane control. Top level class of offer in the range



MANUAL CONTROL



Crane with manual sequential controls have levers mounted on both sides of the crane. At each control station, the orientation of the controls can be the same up to down or left to right.





8 ergonomic proportional levers (6 for Scanreco mini) to control up to 8 functions of the crane. Using two hands, the operator can move 2-3-4 functions at once. This ensures more speed in loading or unloading operations with high precision





**SMART TOP MONITOR 7"** Simple and quick access to all the functions and information

### Vertical stabilizers levers Safe and fast. Excellent supervision of stabilizing operation



## **Electronics mind:** quaranteed in all conditions



 All electrical components have IP69K enclosures which offer complete protection against water jet and dust penetration providing higher durability and less down time.

## **DLD DYNAMIC LOAD DIAGRAM**

A display shows the outreach available for the load selected and the actual



## A TEAM OF SKILLED AND **CARING SPECIALISTS**

Easy installation and smart calibration cranes, combined with a high level of service, make Hyva the best partner for your business - all over the world



## **ONE CRANE, MANY APPLICATIONS**

Thanks to the extensive range of accessories and attachments

Energy

Mining













Environment

Oil&Gas

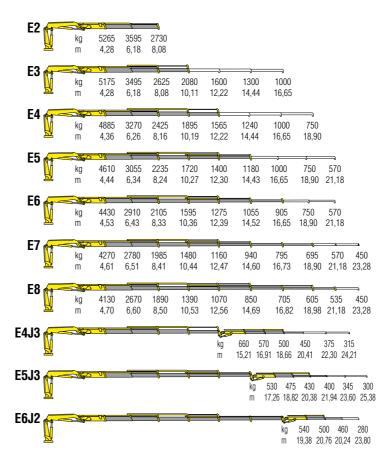




# М EXTRA FUNCTION

## Load diagrams

Dimensions (mm)



## **Technical specifications**

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		E2	E3	E4	E5	E6	E7	E8	E4J3	E5J3	E6J2
Lifting Moment	tm	22,5	22,1	21,2	20,5	20,1	19,7	19,4	17,8	16,9	10,4
Slewing Angle	0	415	415	415	415	415	415	415	415	415	415
Working pressure <b>bar</b>		315	310	310	310	310	310	310	325	330	325
Oil tank capacity	I	130	130	130	130	130	130	130	130	130	130
Max Oil flow	l/min	80	80	80	80	80	80	80	80	80	80
Max lifting height	m	11,7	13,8	15,9	18,1	20,3	22,5	24,8	24,1	25,6	25,9
Standard crane weight	kg	2600	2740	2880	3005	3110	3230	3320	3540	3495	3385

## **TECHNICAL INFORMATION HC243**



	E2	E3	E4	E5	E6	E7	E8	E4J3	E5J3	E6J2
A	2500	2500	2500	2500	2500	2500	2500	2520	2520	2520
B	2300	2300	2300	2300	2300	2300	2300	2715	2615	2605
C	1348	1348	1348	1348	1348	1348	1348	1348	1348	1348
D	666	666	666	666	666	666	666	666	666	666
E	150	150	150	150	150	150	150	150	150	150
FG	2520	2520	2520	2520	2520	2520	2520	2520	2520	2520
	4860	4860	4860	4860	4860	4860	4860	4860	4860	4860
H	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
I	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420
L	935	935	935	935	935	1005	1005	1055	1055	1055
м	935 1055	935 1055	935 1055	935 1055	1055	-	-	-	-	-

## Standard features

### Designed in accordance with: EN12999:2020 + EN13849 Design class: HC1-HD4

- Cross controls
- Flanged valves
- Oil tank
- Manually extendable stabilizers
- Fixed stabilizer cylinders
- Swivel stabilizer foot
- Centralized greasing system
- EES Extra Extension Speed
- SDS Smooth Descent System
- LAS Liftrod Articulating System
- A Class Crane Control System (CE)
- LED panel Human Machine Interface (CE)



**Recommended truck** M.T.T. ton 19 - G.V.W. ton 19



Tipping Solutions | Container Handling | Waste Handling | Cranes

110 countries
+3,500 employees
20,000 customers
+30 subsidiaries
14 production facilities

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Founded in 1979 in the Netherlands, the company has a global presence with more than 30 wholly owned subsidiaries, extraordinary service coverage and 14 manufacturing facilities in Brazil, China, Europe and India.



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