

EDGE LINE
RAISE YOUR GAME

ARTICULATED CRANES WITH ULTIMATE PRECISION AND
LIFTING CAPACITY

HC 103 



RAISE YOUR GAME HYVA PERFORMANCE



TOP SOLUTIONS

1 TPP

- **Top protection painting** - Top quality cathaphoresis 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 MT

- **Magic Touch System** - Allows the driver to open the crane from transport position to working position and back by pushing a single lever on the radio transmitter (or a button on the display).

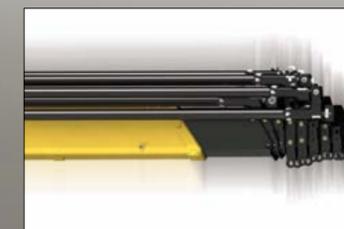
Crane Automatic folding/unfolding



6 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



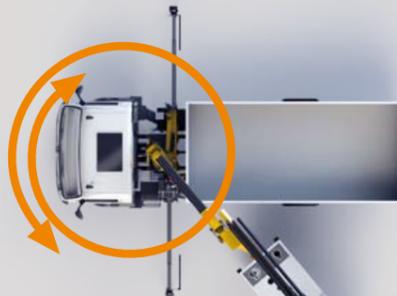
TECHNICAL SOLUTIONS TO RAISE RELIABILITY AND SAFETY

Safety first: always stable



- More than 40 stabilizer configurations to ensure safe positioning of the truck in all ground conditions.
- Assisted tiltable stabilizers are the smart solution. Equipped with a gas spring, they provide effortless movement.

425° Slewing Angle



- The widest slewing angle for medium sized cranes.
- Top efficiency and easy to use.

Electronics in mind: guaranteed 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.

Safety Performance Efficiency



H3XL

With a 3" TFT display and ergonomic keyboard, the crane operator can select optimum functional parameters. The system controls the stability with 2-step beam outreach monitoring and continuous slewing control.



H4XL

A 7" colour display with integrated keyboard gives the operator a higher level of awareness of the crane operation and allows selection of the best parameters for effective use. The system detects the exact position of the beams and proportionally calculates the stability.

SMART AND USER-FRIENDLY CONTROLS

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



7" color display
Simple and quick access to all the functions and information

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

OUR INNOVATIONS ARE CHANGING THE GAME

Solutions that are the result of smart engineering

DLD DYNAMIC LOAD DIAGRAM



This system, a first on truck-mounted articulated cranes, optimises stabilization, makes crane operation safer and more efficient and allows the driver to verify in advance the crane lifting capacity based on truck stability. A graphic display shows the outreach available for the load selected and the actual boom slewing position.

MT MAGIC TOUCH



This easy-to-use function improves driver attention, promotes safety, saves time and increases productivity. Once the truck is stabilized, a graphic display allows the driver to automatically unfold the crane to a working position and fold the crane from any position to transport position.

Wide range Radio selection (Standard)



Hetronic NOT CE



Hetronic CE Basic



Scanreco



Hetronic CE Graphic



distributor
Danfoss

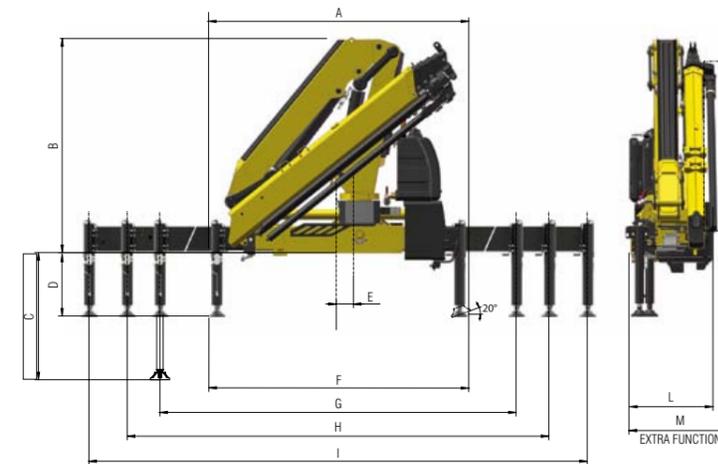
A TEAM OF SKILLED AND CARING SPECIALISTS

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



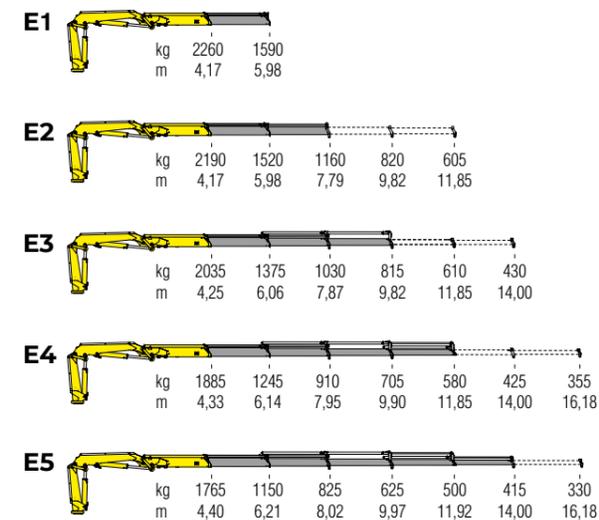
TECHNICAL INFORMATION HC103 X

Dimensions (mm)



	E1	E2	E3	E4	E5
A	2290	2290	2290	2290	2290
B	2085	2085	2085	2085	2085
C	1185	1185	1185	1185	1185
D	530/585	530/585	530/585	530/585	530/585
E	160	160	160	160	160
F	2270	2270	2270	2270	2270
G	3290	3290	3290	3290	3290
H	4790	4790	4790	4790	4790
I	5755	5755	5755	5755	5755
L	800	800	800	800	845
M	845	845	845	845	910

Load diagrams



Standard features

- Designed in accordance with EN12999**
Design class: HC1-HD5
- Multifunctional radio remote control
 - Sauer Danfoss PVG32
 - P-LCS Proportional Lift Control System
 - 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
 - H3XL Crane control system (CE)

ONE CRANE, MANY APPLICATIONS

Thanks to the extensive range of accessories and attachments



Building



Construction



Energy



Environment



Gardening



Logistics



Maintenance



Mining



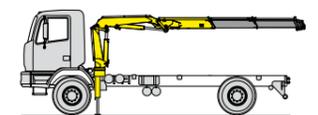
Oil&Gas



Rental

Technical specifications - EN12999 - HC1-HD5

		E1	E2	E3	E4	E5
Lifting Moment	tm	9,5	9,1	8,6	8,1	7,7
Slewing Angle	°	425	425	425	425	425
Working pressure	bar	350	350	347	340	336
Oil tank capacity	l	75	75	75	75	75
Max Oil flow	l/min	40	40	40	40	40
Max lifting height	m	9,3	10,9	13,1	15,1	17,3
Standard crane weight	kg	1215	1305	1395	1480	1555



Recommended truck
M.T.T. ton 12 - G.V.W. ton 12

130 countries
3,000 employees
25,000 customers
37 subsidiaries
12 production facilities



Hyva is a leading provider of innovative and highly efficient transport solutions for commercial vehicles used in transport, construction, mining, materials handling and environmental service industries.

Founded in 1979 in the Netherlands, the company has a global presence with 37 fully owned subsidiaries, extraordinary service coverage and 12 manufacturing facilities in Brazil, China, Europe and India.

For more information on Hyva, please visit www.hyva.com

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Hyva Holding B.V.
Antonie van Leeuwenhoekweg 37
2408 AK Alphen aan den Rijn
The Netherlands
Telephone: +31 (0)172 - 42 35 55
Telefax: +31 (0)172 - 42 08 80
info@hyva.com
www.hyva.com



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