



**ARTICULATED CRANES WITH ULTIMATE PRECISION AND
LIFTING CAPACITY**

HC 951 - HC 1151 - HC 1651



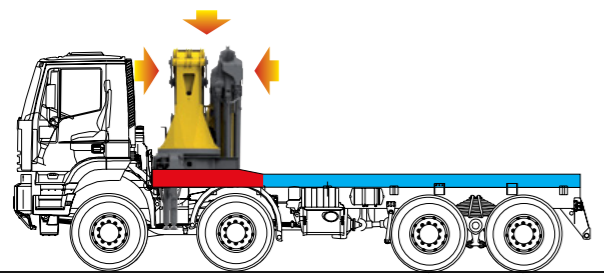
RAISE YOUR GAME HYVA PERFORMANCE

- 1**
Automatic Turnable Stabilizers
Safe, Easy to use
- 2**
Double Layer of spheres
High strength and durability
- 3**
2 external gear motors
Slewing Precision, safety and durability
- 4**
LAS
Liftrod Articulating System
Constant lifting capacity and efficiency in confined space
- 5**
EES
Extra Extension Speed with disabling system included
Fast speed and force when needed
- 6**
Smart Extension Sequence
Fast, precise, safe

Technology

Compact architecture

Integral base and compact design



The integral base allows the installer to mount the crane directly on the truck frame: this reduces the total height of the crane and lowers the center of gravity of the vehicle. The crane design has been made to optimize the installation space.

Boom and cylinder alignment



The extension cylinder layout has been designed to achieve compact boom and perfect alignment of the extensions. This construction allows to operate in confined spaces and with high precision.

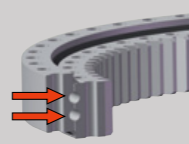
Slewing bearing HC951 - HC1151 - HC1651 models are equipped with a slewing system with bearing.

Endless Slewing

The large diameter ball bearing joins the lower and upper structures of the crane. Electrical and hydraulic connections pass through a swivel at the center of the bearing. This permits to rotate endlessly in both directions.

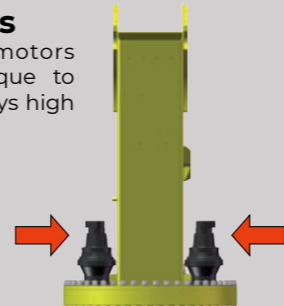
Double layer of spheres

The bearing rings are joined by two rows of ball: by spreading the load across two layers, the strength and durability are greatly improved.



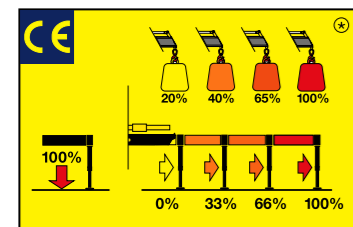
2 External Gear motors

The presence of the two gear motors guarantees double slewing torque to operate in rough conditions, always high precision and durability.



Crane control system

H2XL+



The TCU detects the positions of the stabilizers and divides the working area in 8 slewing sectors: 2 over the cabin, 2 on right side, 2 on left side and 2 to rear of the vehicle.

Depending on the stabilizers spreads, the crane's lifting capacity changes according to the parameters set by the installer. This allows the operator to use the crane even with stabilizers partially or fully retracted always ensuring stability and safety.

The HPES (Proportional Encoder Sensor) recognizes 4 positions of the stabilizer beams: fully extended, 2/3 extended, 1/3 extended and fully retracted.

HPES

The HRCS (Rotation Control Sensor) recognizes 8 slewing sectors: 2 over the cabin, 2 on right side, 2 on left side, 2 to rear of the vehicle.

Ⓢ The percentages present in the pictures are merely examples and they have no bearing on the cranes' real lifting capacities. The cranes' real lifting capacities will depend on truck's stability.

Multifunction radio control and proportional compensated control valve

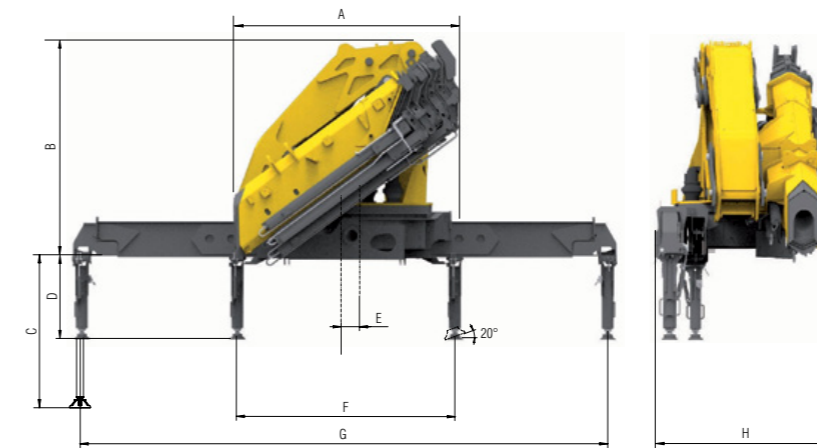


(only for HC1651)



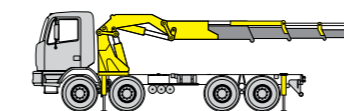
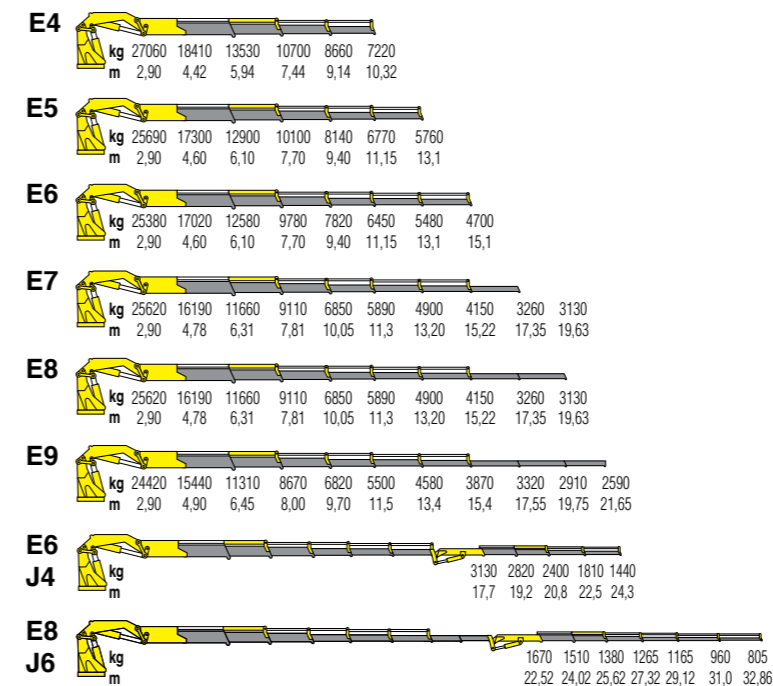
TECHNICAL INFORMATION HC951

Dimensions (mm)



	E4	E5	E6	E7	E8	E9	E6J4	E8J6
A	2550	2550	2550	2550	2550	2550	2550	2550
B	2474	2474	2474	2474	2474	2474	2474	2474
C	1430	1430	1430	1430	1430	1430	1430	1430
D	930	930	930	930	930	930	930	930
E	392	392	392	392	392	392	392	392
F	2342	2342	2342	2342	2342	2342	2342	2342
G	8800	8800	8800	8800	8800	8800	8800	8800
H	2180	2180	2180	2180	2180	2180	2180	2180

Load diagrams



Recommended truck
M.T.T. ton 32 - G.V.W. ton 32

Standard features

- Designed in accordance with EN12999
- Design class: HC1 - S2 - HD4
- Automatic turning stabilizers with hydraulic extension
- 2 gear motors and slewing bearing
- Endless rotation
- Oil tank to be mounted on chassis
- EES (Extra Extension Speed) with disabling system included
- LAS (Liftrod Articulating System)
- LCS (Lift Control System)
- Independent extension cylinders with smart extension sequence
- High pressure oil filter
- Stability control system H2XL+ (CE)
- Centralized greasing system
- Oil cooler

Crane control system



H2XL+

SCANRECO

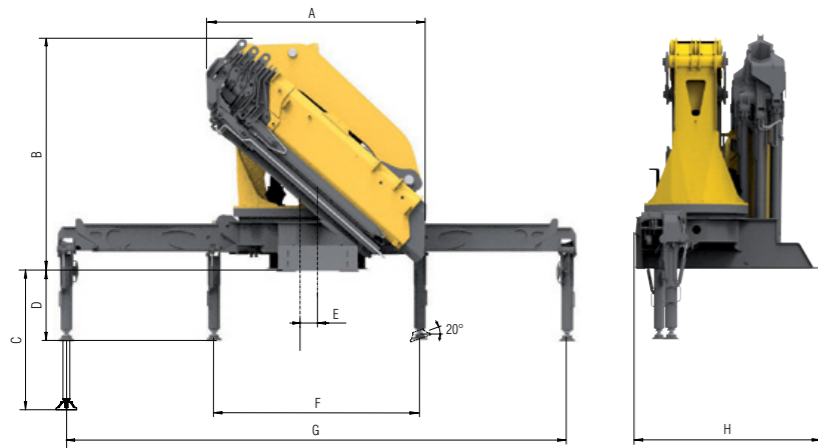
Technical specifications - EN12999 - HC1- S2 - HD4

		E4	E5	E6	E7	E8	E9	E6J4	E8J6
Lifting Moment	tm	81,3	79,5	79,3	77,5	77,4	76,9	55,4	37,6
Slewing Angle	°	endless	endless	endless	endless	endless	endless	endless	endless
Working pressure	bar	345	345	345	345	345	345	345	345
Oil tank capacity	l	300	300	300	300	300	300	300	300
Max Oil flow	l/min	80	80	80	80	80	80	80	80
Max lifting height*	m	13,6	15,6	17,7	19,9	22,1	24,1	25,8	29,8
Standard crane weight	kg	8370	8795	9055	9240	9520	9700	9985	10625

*) Above the base

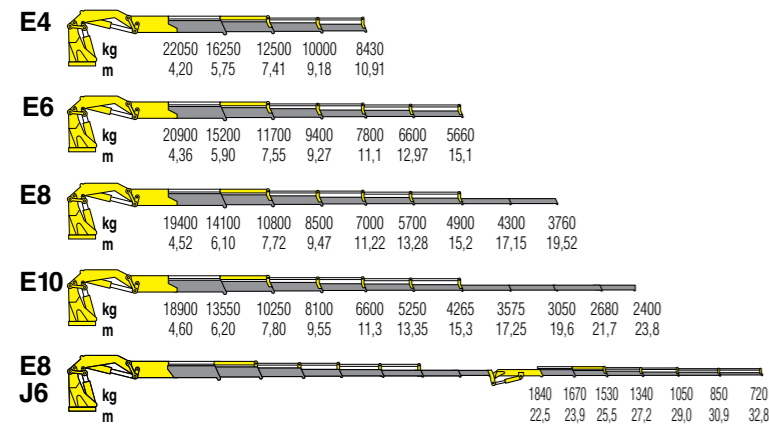
TECHNICAL INFORMATION HC1151

Dimensions (mm)



	E4	E6	E8	E10	E8J6
A	2540	2540	2550	2550	2560
B	2660	2670	2670	2790	2670
C	1470	1470	1470	1470	1470
D	820	820	820	820	820
E	380	380	380	380	380
F	2340	2340	2340	2340	2340
G	8800	8800	8800	8800	8800
H	2300	2300	2300	2300	2300

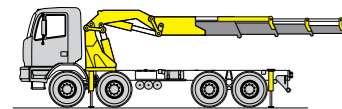
Load diagrams



Standard features

- Designed in accordance with EN12999
- Design class: HC1 - S2 - HD4
- Automatic turning stabilizers with hydraulic extension
- 2 gear motors and slewing bearing
- Endless rotation
- Oil tank to be mounted on chassis
- EES (Extra Extension Speed) with disabling system included
- LAS (Liftrod Articulating System)
- LCS (Lift Control System)
- Independent extension cylinders with smart extension sequence
- High pressure oil filter
- Stability control system H2XL+ (CE)
- Centralized greasing system
- Oil cooler

Crane control system



Recommended truck
M.T.T. ton 32 - G.V.W. ton 32

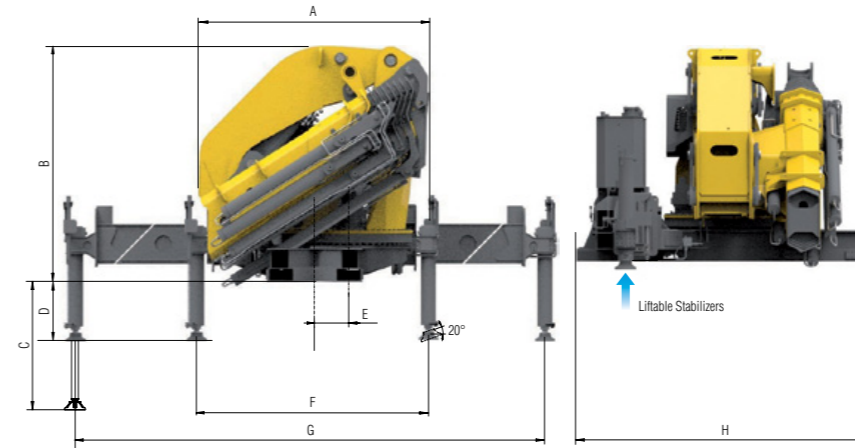
Technical specifications - EN12999 - HC1 - S2 - HD4

		E4	E6	E8	E10	E8J6
Lifting Moment	tm	93,4	91,1	87,8	86,9	41,4
Slewing Angle	°	endless	endless	endless	endless	endless
Working pressure	bar	345	345	345	345	345
Oil tank capacity	l	300	300	300	300	300
Max Oil flow	l/min	120	120	120	120	120
Max lifting height*	m	13,6	17,8	22,3	26,5	35,2
Standard crane weight	kg	8730	9370	9920	10460	11050

*) Above the base

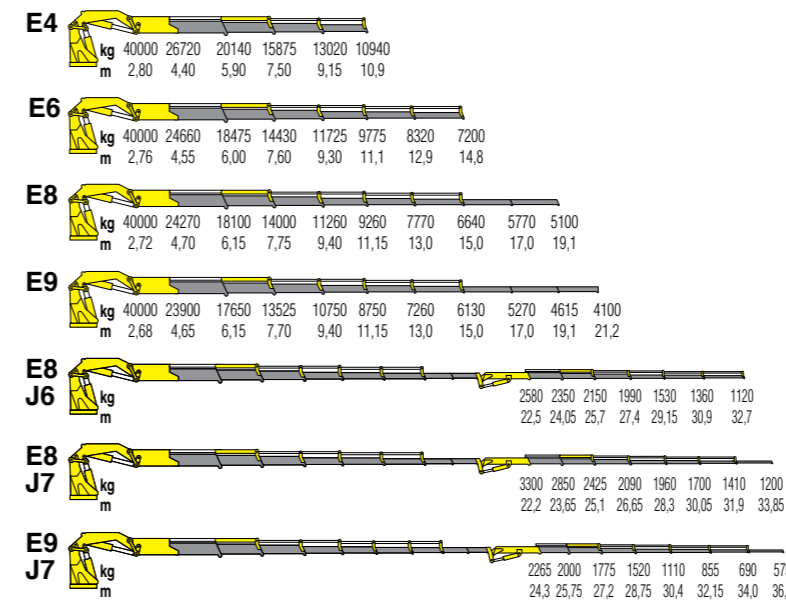
TECHNICAL INFORMATION HC1651

Dimensions (mm)



	E4	E6	E8	E9	E8J6	E8J7	E9J7
A	2550	2550	2550	2550	2550	2550	2550
B	2595	2595	2595	2595	2595	2595	2595
C	1536	1536	1536	1536	1536	1536	1536
D	730	730	730	730	730	730	730
E	360	360	360	360	360	360	360
F	2288	2288	2288	2288	2288	2288	2288
G	9110	9110	9110	9110	9110	9110	9110
H	3600	3600	3600	3600	3600	3600	3600

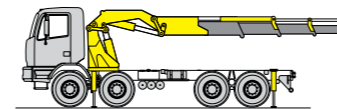
Load diagrams



Standard features

- Designed in accordance with EN12999
- Design class: HC1 - S1 - HD5
- Liftable stabilizers with hydraulic extension
- 2 gear motors and slewing bearing
- Endless rotation
- Oil tank
- EES (Extra Extension Speed) with disabling system included
- LAS (Liftrod Articulating System)
- P-LCS (Proportional Lift Control System)
- Independent extension cylinders with smart extension sequence
- 2 high pressure oil filter
- Stability control system
- Centralized greasing system
- Oil cooler

Crane control system



Recommended truck
M.T.T. ton 32 - G.V.W. ton 32

Technical specifications - EN12999 - HC1- S1 - HD5

		E4	E6	E8	E9	E8J6	E8J7	E9J7
Lifting Moment	tm	119	112	114	111	75,7	73,6	55,0
Slewing Angle	°	endless	endless	endless	endless	endless	endless	endless
Working pressure	bar	345	345	345	345	345	345	345
Oil tank capacity	l	650	650	650	650	650	650	650
Max Oil flow	l/min	100 + 50	100 + 50	100 + 50	100 + 50	100 + 50	100 + 50	100 + 50
Max lifting height*	m	13,6	15,6	17,7	19,9	22,1	24,1	25,8
Standard crane weight	kg	12750	13425	13975	14660	16200	16400	16260

*) Above the base

110 countries
+3,500 employees
20,000 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.

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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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