

# HYVA<sup>®</sup> CRANE HB 230



MODELS	LIFTING MOMENT	MAX VERTICAL REACH	SLEWING ANGLE	SLEWING TIME	MAX WORKING HEEL	WORKING PRESSURE	CRANE WEIGHT WITHOUT STABILIZERS	WEIGHT OF STABILIZERS	OIL TANK CAPACITY	OIL FLOW	DIMENSIONS
	tm	m	°	s/180°	°	bar	kg	kg	l	l/min	mm B x h x S
HB230 E1	20,7	HYD. 9,9 MAN. -	387	17	4	315	1890		130	40	2480x2295x970
HB230 E2	-	11,8 -	387	17	4	315	2040		130	40	2480x2295x970
HB230 E3	-	13,8 19,8	387	17	4	315	2180	360 Std.	130	40	2480x2295x1000
HB230 E4	-	15,7 22,0	387	17	4	315	2310	430 Extra	130	40	2480x2295x1000
HB230 E5	-	17,8 22,0	387	17	4	315	2410		130	40	2480x2295x1000
HB230 E6	-	19,8 22,0	387	17	4	315	2510		130	40	2495x2295x1000
HB230 E5J2	-	23,3 24,8	387	17	4	315	2745		130	40	2480x2300x1120

## ACCESSORIES

Cross controls (Not with radio remote control)  
Supplementary elements activations (1)  
Winch  
Manual extensions  
Pivoting stabilizer legs  
Automatic pivoting stabilizer legs  
One-shot lubrication  
Oil cooler  
Top seat  
Operator Full Protection (CE)

## ACCESSOIRES

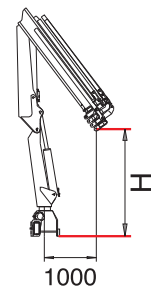
Commandes croisées (Pas avec radiocommande)  
Activation éléments supplémentaires (1)  
Treuil  
Rallonges mécaniques  
Béquilles pivotantes  
Béquilles pivotantes automatiques  
Lubrification centrale  
Refroidisseur huile  
Poste de manoeuvre en haut  
Operator Full Protection (CE)

## ZUBEHOERE

Kreuzen Schalstangen (Nicht mit Funkfernsteuerung)  
Zusätzliche Steuerelemente (1)  
Seilwinde  
Mechanische Ausleger  
Gelenkige Abstützbeine  
Automatisch gelenkige Abstützbeine  
Sammelschmierung  
Ölkühler  
Hoch Führersitz  
Operator Full Protection (CE)  
(1) No E5 J2

## ACCESORIOS

Comandos cruzados (não com comando por rádio)  
Ativação de elementos suplementares (1)  
Guincho de cabo  
Extensões mecânicas  
Estabilizadores articulados  
Estabilizadores articulados automáticos  
Lubrificação central  
Radiador para refrigeração de óleo  
Posto de manobra no cimo  
Operator Full Protection (CE)



HB 230 E1 = 2300  
HB 230 E2 = 2250  
HB 230 E3 = 2200  
HB 230 E4 = 2200  
HB 230 E5 = 2130  
HB 230 E6 = 2070



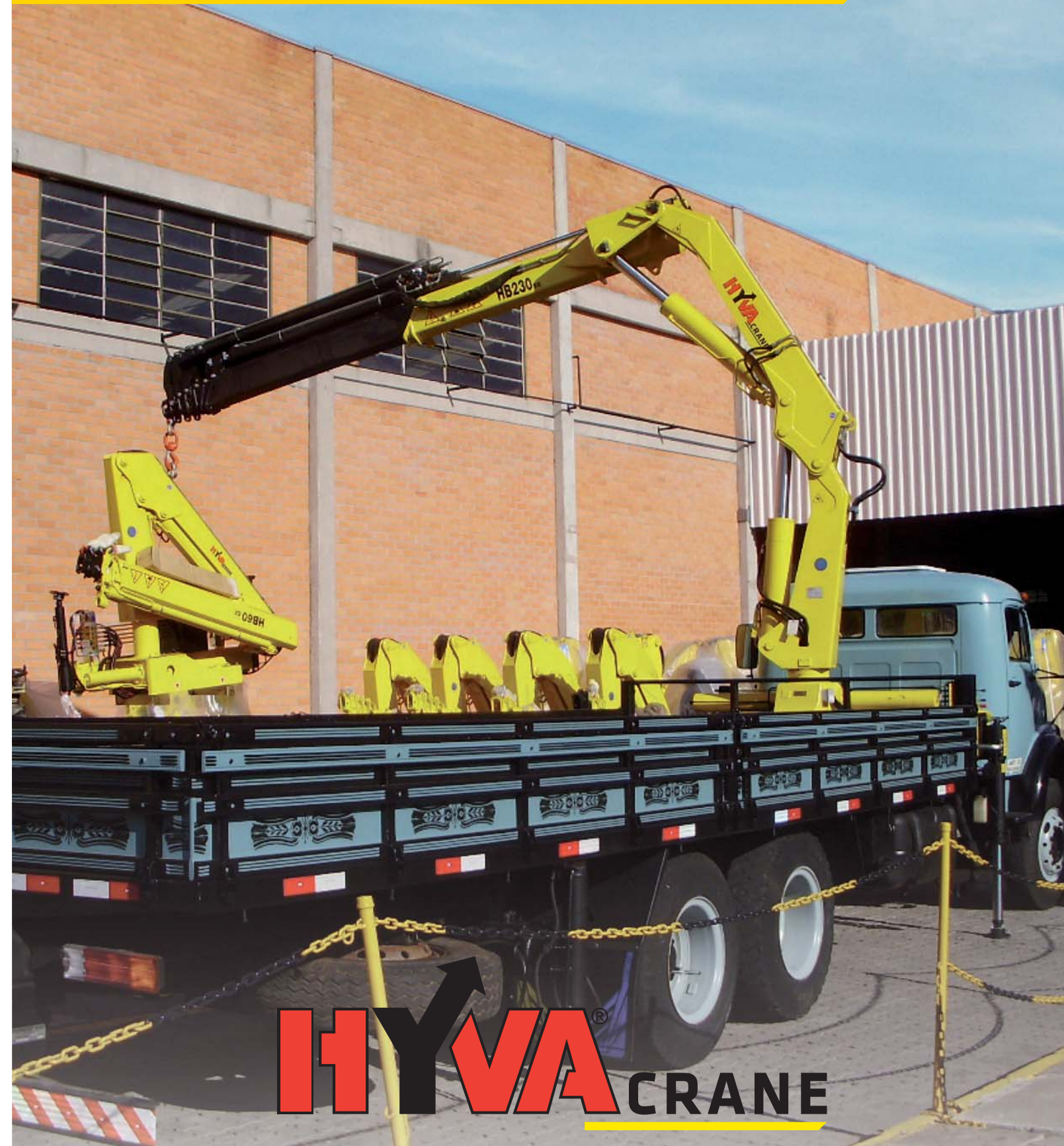
Hyva Holding B.V.  
Antonie van Leeuwenhoekweg 37  
2408 AK Alphen aan den Rijn  
The Netherlands  
Telephone: +31 (0)172 - 42 35 55  
Telefax: +31 (0)172 - 42 08 80  
info@hyva.com  
www.hyva.com  
www.hyvacrane.com



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# TRUCK-MOUNTED CRANES HB 230



# HYVA<sup>®</sup> CRANE HB 230



- Load limiting device
- Hexagonal section extensions
- Independent extension cylinders
- Outriggers with hydraulic extension
- Flanged valves
- Assembly kit
- Designed in accordance with: EN12999-DIN15018
- Fatigue test classification: B3
- Oil tank
- Dual controls (Not with radio remote control)
- Fixed stabilizer cylinders
- Mechanical rotation limitation (CE)



- Limiteur de moment
- Extensions à section hexagonale
- Vérins hydrauliques à sortie indépendante
- Béquilles avec ouverture hydraulique
- Vannes bridées
- Kit de brides de fixation
- Projet en accords aux normes : EN12999-DIN15018
- Essai de fatigue avec classification: B3
- Réservoir huile
- Commandes bilatérales (Pas avec radiocommande)
- Vérins stabilisateurs fixes
- Limitation mécanique de la rotation (CE)



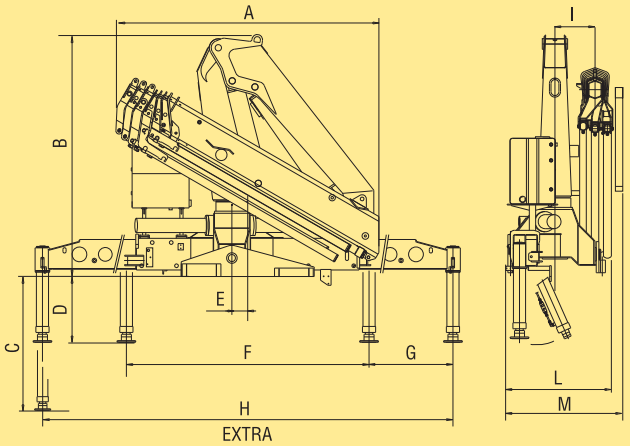
- Momentbegrenzer
- Sechskantige Ausschübe
- Unabhängige Schubzylinder
- Hydraulisch ausfahrbare Abstützungen
- Ventile mit Flansch
- Befestigungsteile
- Berechnungsnorm nach EN12999-DIN15018
- Ermüdungstest in Klasse: B3
- Ölbehälter
- Beidseitige Kransteuerungen (Nicht mit Funkfernsteuerung)
- Feste Abstützungen
- Mechanischer Schwenkbegrenzer (CE)



- Válvula limitadora de momento de carga
- Extensões sextavadas
- Cilindros de extensão independentes
- Estabilizadores estendidos hidráulicamente
- Válvulas flangeadas
- Kit de montagem
- Norma do projeto: EN12999-DIN 15018
- Tipo de ensaio de fadiga: B3
- Reservatório de óleo
- Comandos bilaterais (não com comando por rádio)
- Estabilizadores fixos
- Limitador mecânico de giro (CE)

Model	kg	1,00	2,10	4,26	6,13	8,00	9,95	11,90	14,00	16,10
HB230 E1	20660*	9620**	4765	3370						
HB230 E2	19980*	9415**	4665	3260	2490					
HB230 E3	19300*	9140**	4530	3095	2355	1905	1470	1145	905	
HB230 E4	18870*	8935**	4430	2995	2225	1755	1470	1145	905	650
HB230 E5	18420*	8720**	4235	2820	2075	1635	1330	1145	905	650
HB230 E6	18030*	8525**	4080	2700	1970	1535	1230	1045	905	650
HB230 E5J2										605 550 505 400 16,70 18,10 19,60 21,10

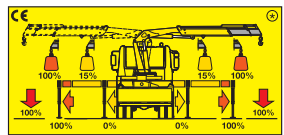
\*) Theoretical lifting capacity  
\*\*) Fixed hook capacity



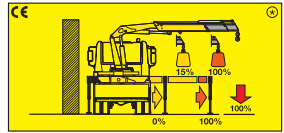
HB230	E1	E2	E3	E4	E5	E6	E5 - J2
A	2165	2210	2275	2370	2440	2495	2480
B	2295	2295	2295	2295	2295	2295	2300
C	1244	1244	1244	1244	1244	1244	1244
D	624	624	624	624	624	624	624
E	150	150	150	150	150	150	150
F	2300	2300	2300	2300	2300	2300	2300
G	1600	1600	1600	1600	1600	1600	1600
H	5500	5500	5500	5500	5500	5500	5500
I	380	380	380	380	380	380	380
L	970	970	1000	1000	1000	1000	1100
M	1120	1120	1120	1120	1120	1120	-
EXTRA	6240	6240	6240	6240	6240	6240	6240

## Stability control systems (CE)

### HXL System

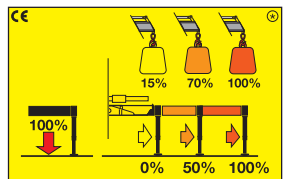


The TCU checks the positions of the stabilizers beams, monitoring for two possible positions: beam fully open, beam not fully open. Depending on the position of the beams and the stabilizers, the crane's lifting capacity changes according to the setting made by the installer. This allows the operator to use the crane even with a beam partially or fully retracted without having stability problems.

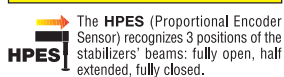


**Optional HRCS**  
The Rotation Control Sensor constantly checks the slewing position of the crane and limits the lifting capacity depending on the beams' and the stabilizers' positions.

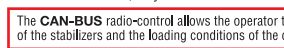
### H2XL System



The TCU checks the positions of the stabilizers and divides the working area into 4 slewing sectors: over the cabin, right side, left side and the rear of the vehicle. Depending on the position of the beams and the stabilizers, the crane's lifting capacity changes according to the settings made by the installer. This allows the operator to use the crane even with a beam partially or fully retracted without having stability problems.



The HPES (Proportional Encoder Sensor) recognizes 3 positions of the stabilizers' beams: fully open, half extended, fully closed.



The CAN-BUS radio-control allows the operator to know the positions of the stabilizers and the loading conditions of the crane.

With manual opening stabilizers, the H2XL System only recognizes completely open or completely closed beam positions.

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

## HB 230 X



Only CE Version

Pressure compensated control valve: SAUER DANFOSS PVG32

- Multifunction remote control
- Protected against radio interference
- Move around the truck freely

## EES Extra Extension Speed

A special regenerative valve re-uses oil during extension, ensuring an incredibly high speed without compromising the safe operation of the crane.

## SDS Smooth Descent System

This system compensates for boom oscillation, ensuring smooth movement of the load.

## LCS Lift Control System

Lift Control System increases the capacity of the crane up to 10% by reducing the speed when the crane is near its maximum lifting capacity.

Truck-mounted cranes