



HYVA[®] CRANE HV SERIES



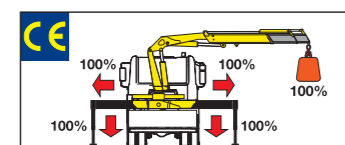
| MODELS | LIFTING MOMENT tm | MAX VERTICAL REACH m | | SLEWING ANGLE ° | SLEWING TIME s/180° | MAX WORKING HEEL ° | WORKING PRESSURE bar | CRANE WEIGHT WITHOUT STABILIZERS kg | OIL TANK CAPACITY l | OIL FLOW l/min | DIMENSIONS mm B x h x S |
|----------|----------------------|-------------------------|------|--------------------|------------------------|-----------------------|-------------------------|--|------------------------|-------------------|----------------------------|
| | | HYD. | MAN. | | | | | | | | |
| HV27 E2 | 2,60 | 7,93 | 9,19 | 370 | 13 | 4 | 205 | 330 | 17,5 | 10 | 1900x1635x352 |
| HV27 E3 | - | 9,19 | - | 370 | 13 | 4 | 205 | 360 | 17,5 | 10 | 1900x1635x352 |
| HV47 E1 | 4,30 | 7,22 | 8,51 | 380 | 16 | 4 | 270 | 565 | 48 | 14 | 2155x1955x420 |
| HV47 E2 | - | 8,51 | 9,81 | 380 | 16 | 4 | 270 | 615 | 48 | 14 | 2155x1955x420 |
| HV47 E3 | - | 9,81 | 11,1 | 380 | 16 | 4 | 270 | 660 | 48 | 14 | 2155x1955x420 |
| HV77 E1 | 7,55 | 7,81 | 9,22 | 380 | 16 | 4 | 250 | 770 | 48 | 16 | 2320x2030x565 |
| HV77 E2 | - | 9,22 | 10,6 | 380 | 16 | 4 | 250 | 830 | 48 | 16 | 2320x2030x565 |
| HV77 E3 | - | 10,6 | 12,0 | 380 | 16 | 4 | 250 | 890 | 48 | 16 | 2320x2030x565 |
| HV107 E1 | 9,56 | 9,30 | 11,0 | 380 | 15 | 4 | 275 | 1030 | 100 | 25 | 2490x2320x635 |
| HV107 E2 | - | 11,0 | 12,9 | 380 | 15 | 4 | 275 | 1130 | 100 | 25 | 2490x2320x635 |
| HV107 E3 | - | 12,9 | 14,9 | 380 | 15 | 4 | 275 | 1220 | 100 | 25 | 2490x2320x690 |
| HV147 E1 | 13,9 | 9,54 | 11,3 | 380 | 15 | 4 | 285 | 1375 | 100 | 25 | 2500x2455x820 |
| HV147 E2 | - | 11,3 | 13,1 | 380 | 15 | 4 | 285 | 1490 | 100 | 25 | 2500x2455x820 |
| HV147 E3 | - | 13,1 | 15,0 | 380 | 15 | 4 | 285 | 1595 | 100 | 25 | 2500x2455x820 |
| HV197 E1 | 19,1 | 9,35 | 11,0 | 380 | 15 | 4 | 295 | 1715 | 150 | 40 | 2500x2475x920 |
| HV197 E2 | - | 11,0 | 12,8 | 380 | 15 | 4 | 295 | 1850 | 150 | 40 | 2500x2475x920 |
| HV197 E3 | - | 12,8 | 14,6 | 380 | 15 | 4 | 295 | 1975 | 150 | 40 | 2500x2475x920 |
| HV227 E1 | 20,5 | 9,35 | 11,0 | 380 | 15 | 4 | 315 | 1745 | 150 | 40 | 2500x2475x945 |
| HV227 E2 | - | 11,0 | 12,8 | 380 | 15 | 4 | 315 | 1880 | 150 | 40 | 2500x2475x945 |
| HV227 E3 | - | 12,8 | 14,6 | 380 | 15 | 4 | 315 | 2005 | 150 | 40 | 2500x2475x945 |

E = Number of hydraulic extensions, - E3 = three extensions

Stability control system (CE)

No HV27

HM System



The HM System integrated in the load limiting device checks the stabilizers' positions. Only when all beams are fully open and all stabilizers are on the ground the crane can operate and lift loads.



Control display



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HV SERIES



HYVA[®] CRANE

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TRUCK MOUNTED CRANES HV SERIES



HYVA[®] CRANE

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STANDARD

- Dual-side controls
- Hexagonal booms
- Sliding pads on telescopic extensions
- Self-lubricating bushings
- Manually opening stabilizers
- Swivel stabilizer foot (CE)
- Proportional pressure transducer on main cylinder (CE) (No HV27)
- Sensor for correct stowing of the crane (CE)
- Designed in accordance with: EN12999-DIN15018
- Fatigue test classification: B3
- Load limiting device (CE) (No HV27)
- Mechanical rotation limitation (CE)
- Light indicator for correct stabilizer stowing (CE)
- Oil tank

ACCESSORIES

- Supplementary elements activation
- Assembly kit
- Winch (No HV27 - HV47 E1)
- Hydraulic opening stabilizers (HV147 - HV197 - HV227)
- Extra cross beams
- Manual extensions
- Manually extra extensible stabilizers (HV77 - HV107)
- "Green" Oil*

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- 1 Simplified structure thanks to one-piece high-tensile steel tubing (up to 40% weight saving).
- 2 Higher load capacity with extensions retracted.
- 3 Less installation space required due to in-line second boom.
- 4 Lower hydraulic pressure requested:
 - Only gear pump necessary (HV27)
 - Less stress on the crane's components
 - Less heating.



Reduced repair cost, thanks to innovations like a replaceable column pinion (HV27-HV47-HV77).

High elevation angle

Smaller installation space required

Inline second boom with these advantages:

1. Higher resistance - the boom of this crane only needs to carry the weight of the load, but standard offset booms are also subjected to torsional stress.
2. Less weight - the absence of the offset results in a lighter boom.
3. Small dimensions - the absence of the offset makes the boom more compact.

Higher load capacity with closed horizontal boom

kg

+12 %

| Model | kg | 2600* | 1300* | 835 | 575 | 440 | 325 |
|----------|----|--------|-------|------|------|------|------|
| HV27 E2 | m | 1.0 | 2.0 | 3.11 | 4.31 | 5.50 | 6.80 |
| HV27 E3 | kg | 2520* | 1260* | 785 | 535 | 405 | 325 |
| | m | 1.0 | 2.0 | 3.20 | 4.40 | 5.60 | 6.80 |
| HV47 E1 | kg | 4300* | 2150* | 1325 | 965 | 705 | |
| | m | 1.00 | 2.00 | 3.23 | 4.44 | 5.75 | |
| HV47 E2 | kg | 4170* | 2085* | 1250 | 900 | 705 | 540 |
| | m | 1.00 | 2.00 | 3.33 | 4.54 | 5.75 | 7.06 |
| HV47 E3 | kg | 4060* | 2030* | 1180 | 845 | 650 | 540 |
| | m | 1.00 | 2.00 | 3.43 | 4.64 | 5.85 | 7.06 |
| HV77 E1 | kg | 7550* | 3775* | 2195 | 1560 | 1140 | |
| | m | 1.00 | 2.00 | 3.43 | 4.79 | 6.23 | |
| HV77 E2 | kg | 7340* | 3670* | 2085 | 1470 | 1140 | 870 |
| | m | 1.00 | 2.00 | 3.51 | 4.87 | 6.23 | 7.66 |
| HV77 E3 | kg | 7130* | 3565* | 1990 | 1405 | 1080 | 870 |
| | m | 1.00 | 2.00 | 3.58 | 4.94 | 6.30 | 7.66 |
| HV107 E1 | kg | 9560* | 3915* | 2425 | 1720 | 1230 | |
| | m | 1.00 | 2.42 | 3.91 | 5.56 | 7.35 | |
| HV107 E2 | kg | 9180* | 3770* | 2300 | 1605 | 1230 | 895 |
| | m | 1.00 | 2.42 | 3.99 | 5.64 | 7.34 | 9.22 |
| HV107 E3 | kg | 8880* | 3670* | 2170 | 1485 | 1120 | 895 |
| | m | 1.00 | 2.42 | 4.08 | 5.73 | 7.43 | 9.22 |
| HV147 E1 | kg | 13870* | 5820* | 3455 | 2485 | 1815 | |
| | m | 1.00 | 2.34 | 3.93 | 5.58 | 7.36 | |
| HV147 E2 | kg | 13360* | 5655* | 3295 | 2355 | 1815 | 1380 |
| | m | 1.00 | 2.34 | 4.01 | 5.66 | 7.36 | 9.23 |
| HV147 E3 | kg | 12930* | 5525* | 3160 | 2250 | 1715 | 1380 |
| | m | 1.00 | 2.34 | 4.08 | 5.73 | 7.43 | 9.23 |
| HV197 E1 | kg | 19110* | 7965* | 4715 | 3395 | 2510 | |
| | m | 1.00 | 2.33 | 3.98 | 5.63 | 7.41 | |
| HV197 E2 | kg | 18600* | 7765* | 4520 | 3240 | 2510 | 1915 |
| | m | 1.00 | 2.33 | 4.06 | 5.71 | 7.41 | 9.28 |
| HV197 E3 | kg | 17940* | 7610* | 4345 | 3100 | 2380 | 1915 |
| | m | 1.00 | 2.33 | 4.13 | 5.78 | 7.48 | 9.28 |
| HV227 E1 | kg | 20520* | 8490* | 5035 | 3645 | 2710 | |
| | m | 1.00 | 2.33 | 3.98 | 5.63 | 7.41 | |
| HV227 E2 | kg | 20080* | 8460* | 4835 | 3485 | 2710 | 2075 |
| | m | 1.00 | 2.33 | 4.06 | 5.71 | 7.41 | 9.28 |
| HV227 E3 | kg | 19370* | 8315* | 4670 | 3330 | 2570 | 2075 |
| | m | 1.00 | 2.33 | 4.13 | 5.78 | 7.48 | 9.28 |

*): Theoretical lifting capacity