

HX145ALCR

CRAWLER EXCAVATOR



SERIES / HX145ALCR

Gross Power
100 kW (134 HP) at 2,200 rpm

Bucket Capacity
0.50 ~ 0.77 m³

Net Power
98 kW (131 HP) at 2,200 rpm

Operating Weight
15,430 kg

READY TO CHANGE YOUR WORLD

Our new A-Series HX145A LCR crawler excavator is ready to build your world. Its high performance engine delivers better productivity and fuel efficiency while meeting EU Stage V emissions regulations. Featuring a new tough exterior design with short tailswing, added safety features and greater serviceability, you can rely on the HX145A LCR to perform the toughest jobs in tight spaces such as urban construction sites and narrow roads.



A

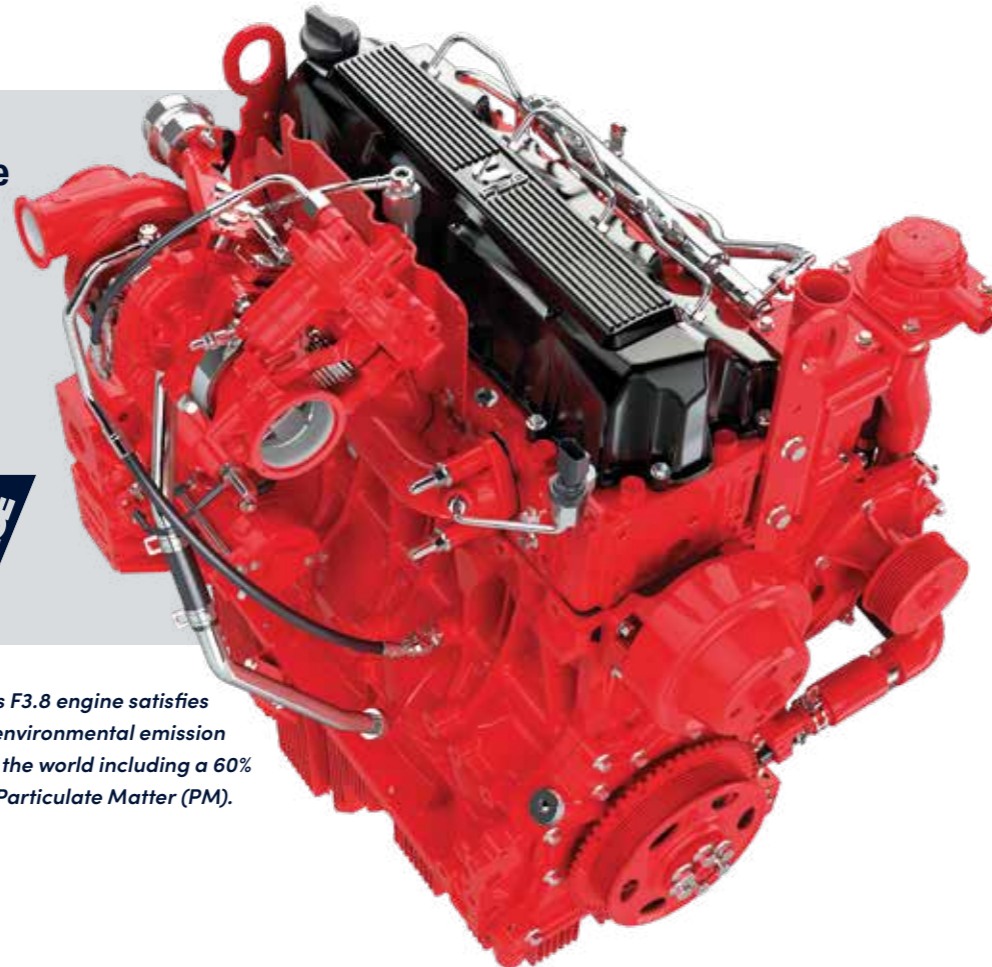
SERIES HX145ALCR

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

From its upgraded, eco-friendly engine to its carefully chosen control technologies, the HX145A LCR excavator helps operators to achieve new heights of productivity. Hyundai's EPIC (Electric Pump Independent Control) hydraulic system, in connection with automatic engine shutdown, eco gauge and lifting mode, allows the machine to deliver the exact performance and efficiency when and where it's needed.

EU Stage V Certified Engine

Featuring an EGR-free design that delivers 3% more power and 12% more peak torque, that when combined with increased fuel economy and longer maintenance intervals contribute to a reduced cost of operation.



The Cummins F3.8 engine satisfies the strictest environmental emission regulation in the world including a 60% reduction in Particulate Matter (PM).

The technology to improve efficiency

EPIC

The HX A-Series adopts the upgraded EPIC system. It is able to optimise pump flow rate and power at various working conditions through the individual pump control. Furthermore, the optimised design of MCV and pipe line minimises energy loss such as conflux and throttle loss.

Lifting mode

This work mode improves fine control and lift capability through RPM reduction, power boost activation and pump flow control.

Automatic Engine Shutdown

Adjustable 'Automatic Engine Shutdown' significantly reduces idle time, overall operating hours and fuel consumption.



Lifting mode

UP TO
6% EFFICIENCY
(Compared to previous model)

All the information to improve economy

Eco report

It reports on any inefficient operation status and helps improve an operator's working habit

Fuel rate information

Fuel information is displayed as average rate and latest fuel consumed, for guidance to economical operating.

Eco gauge

Helps operators to reduce emissions and running costs by constantly monitoring efficiency. It displays engine workload and fuel-saving status while the machine is working.



Eco Gauge

Increased fuel economy and longer maintenance intervals contribute to a reduced cost of operation.



NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

The true value of the HX A-Series lies in its durability and high productivity. The robust upper and lower frame structure can endure external shock and heavy workloads. Attachment performance has been proven through rigorous field testing. No matter how tough the working environment is, you can always rely on Hyundai A-Series HX excavators.

Tougher from the ground up

Reinforced durability ▶

The upper and lower structure and attachments of HX A-Series machines have higher durability than demanded on site, as proven through numerous tests including on the road and virtual simulation. The wear resistance of the bucket has also been improved by using a new, harder material.

Durable cooling module ▼

The HX A-Series has a durable cooling module that has passed stringent tests, demonstrating the highest productivity in tough working environments.

The robust upper and lower frame structure can endure external shock and heavy workloads.



Cabin structure

The HX A-Series cabin structure uses integrally welded low-stress, high strength steel to meet ROPS and FOG certification.

- **ROPS:** Roll-Over Protective Structures ISO12117-2
- **FOG:** Falling Object Guard, ISO10262 Level2



Hi-grade (high-pressure) hoses ▲

The HX A-Series uses high-pressure hoses with improved heat and pressure resistance, greatly increasing the durability of the equipment.



Dozer option adds extra versatility.

EASY CONTROL AND COMFORTABLE OPERATION

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of Hyundai's intensive information technology development, enables both productivity and comfort while working! The HX A-Series really is designed with the operator in mind.

Ergonomic for efficient operation

Intelligent & wide cluster ▶

The 8" capacitive-type display is similar to a smartphone to deliver excellent legibility. The centralised switches on the display allow convenient checking and operation of key functions.



One pedal to travel straight ▶

One pedal for straight travel is available for customers' convenience when long distance travelling or a combination of attachment work with travelling is necessary.



Proportional auxiliary hydraulic system ▶

A proportional control switch with better speed control provides operators with added convenience whenever they do time-consuming work. This function can also be switched to control by foot pedal, by changing the setting in the cluster menu.



Front side vents ▶

Front side vents provide front window demisting and direct clean fresh air to the operator.



Functionality at your fingertips

Boom/Arm speed

Boom-up speed compared to swing speed can be adjusted by activating/deactivating the boom priority function. Arm-in speed can be also tuned by activating/deactivating the arm regeneration function.

Work mode memory

The operator can save machine settings, so that they are applied when starting the machine.

OME (Owner Menu Editing)

The machine owner can restrict operator access to the set of functions via the menu as well as locking or unlocking it. A password is then needed to access the functions.

Fine (cushion/free) swing control

This option enables smooth movement at the start and stop of swing operation (cushion swing). In addition, it reduces the shaking of the weight when lifting operation (free swing).

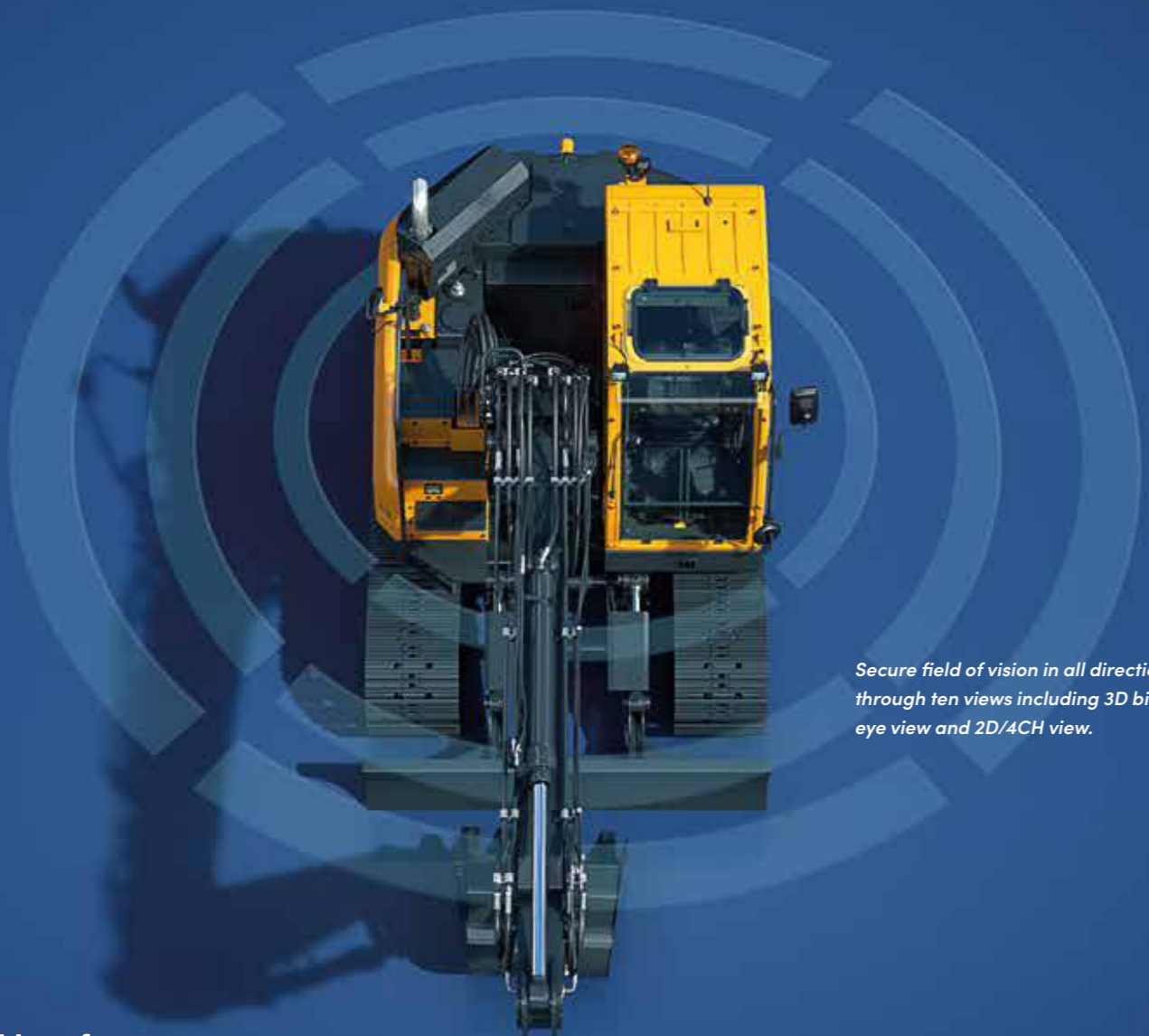
The HX A-Series is designed with the operator in mind. Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency.

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless operation.

13%
INCREASE IN CABIN SPACE

THE ULTIMATE SAFE ENVIRONMENT

The Hyundai approach to safety goes far beyond just meeting regulatory standards. We prioritise safety in every aspect of our machines and work with our customers to keep improving protection for operators, co-workers, passers-by, surrounding buildings and of course the machines themselves.



Secure field of vision in all directions through ten views including 3D bird's eye view and 2D/4CH view.

Visibly safer

AAVM (Advanced Around View Monitoring) camera system

The HX A-Series has a state-of-the-art AAVM video camera system to give an unobscured 360 degree field of vision for operators.

- IMOD (Intelligent Moving Object Detection): Informs when people or dangerous objects are detected within the range of operation (recognition distance: 5m).



Built for safer operation

Cabin viscous mount

A coil spring and damper inside the cabin viscous mounts improve durability and provide a comfortable operating environment that lessens fatigue.

Emergency engine stop switch

A manual engine stop switch located behind the seat can be used in emergencies. It can also be reached from outside the cabin.

Side camera

In addition to the standard rear view camera, there is an optional right hand side camera for giving the operator improved visibility.

Seat belt warning alarm

If the seat belt is not buckled when the ignition key is turned, an alarm is triggered in intervals along with a continuous visual alert. This emphasises our priority for operator safety.

Electronic swing brake

An electronic valve and control system has been added to improve safety and utilisation. The opening and closing time of the swing brake valve is controlled according to the sensing and control system.

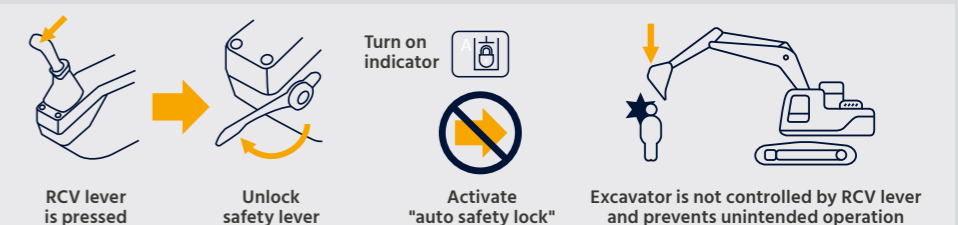


Visibility and handle improvement

Visibility through the cabin door has been improved as has the handle design, to offer greater convenience when getting in and out of the cabin.

Activate Auto Safety Check

The Auto Safety Lock prevents unintended operation due to the excavator not being controlled solely by the RCV lever.



SERVICEABILITY AND TELEMATICS

Our A-Series excavators are designed with quick, low-effort servicing in mind. Every component and material has been optimised to ensure a long, trouble-free life. Hyundai's innovative Hi MATE telematics system enables full monitoring of machine activity and performance. Maximum connectivity is integrated to help owners create a smart construction site and protect profitability as their business grows.

Less maintenance. More uptime

Improved routine maintenance

Easy access for maintenance means regular checks get done faster, giving you more uptime and reducing operating costs. Ground level access to filters, lube fittings and master switches make servicing more convenient.

2 x longer lasting filter (1000 hr)

Service intervals have increased by 100% from 500hrs to 1000hrs when using CK-4 engine oil on the following items, engine oil, pre-filter, engine oil filter and fuel filter.

100%
IMPROVEMENT IN
SERVICE INTERVALS



Hi MATE

It's convenient, easy and valuable. Hi MATE, Hyundai's remote management system, utilises GPS-satellite technology to provide customers with the highest level of service and product support available.

Increase productivity

By providing information such as service hours, idle time and fuel consumption, Hi MATE saves you money and improves productivity. Service alerts enable better maintenance planning.

ECD (Engine Connected Diagnostics)

ECD provides troubleshooting information as well as tailored servicing. Service technicians are supported with remote diagnostics allowing them to achieve quick resolution rate

Monitor your machines

Hi MATE's real-time location information allows convenient monitoring of your equipment via the Hi MATE website or mobile app.

Mobile fleet app

Our Mobile Fleet app provides all the information you need to run your fleet efficiently and economically.

Improve Security

Protect your equipment from theft or unauthorised usage. Hi MATE's geofencing alerts notify you automatically when a machine leaves a predetermined zone.



HCE-DT Air connects you and your equipment wirelessly via smartphone and laptop right on site.

Keeping you covered

Hyundai genuine parts and accessories are designed to keep your machine running at optimum performance, providing increased uptime, comfort and productivity. Our 13000m² European Parts Warehouse guarantees 24-hour delivery across our dealer network.

Hyundai Standard and Extended Warranty Programmes are also available, providing peace of mind and giving you full control over your operating costs.



TAKE THE TOUR!

Productivity & Efficiency

- EU STAGE V Engine
- Eco Report
- Lifting Mode
- EPIC
- Fuel Rate Information
- Eco Gauge
- Automatic Engine Shutdown

Safety

- Auto safety lock
- Electronic swing brake
- AAVM camera system
- Side view camera
- Seatbelt warning alarm
- Emergency engine stop switch

Serviceability & Connectivity

- Hi MATE
 - ECD (Engine Connected Diagnostics)
 - Mobile fleet app
- HCE-DT Air
- Longer lasting filter
- Improved routine maintenance

Durability

- ROPS & FOG cabin
- Reinforced durability
- Durable cooling module
- High-grade hoses

4
SERIES HX145ALCR

Ease of Use

- Work mode memory
- Visibility and handle improvement
- One pedal straight travel
- Proportional auxiliary hydraulic system
- 2 way proportional RCV & pedal control selection
- Fine (cushion/free) swing control
- Intelligent & wide cluster
- OME (Owner Menu Editing)
- Boom / arm speed adjustment



SPECIFICATIONS

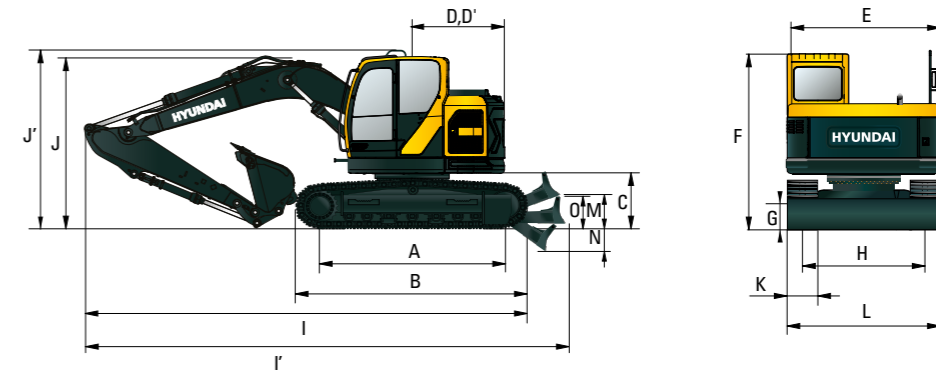
SPECIFICATIONS		HW145ALCR	
ENGINE			
Maker / Model	Cummins F3.8		
Type	4-cycle, turbocharged, charge air cooled, electronic		
Gross Power (SAE J1995)	100 kW (134 HP) at 2200 rpm		
Net Power (SAE J1349)	98 kW (131 HP) at 2200 rpm		
Max. Power	100 kW (134 hp) at 2200 rpm		
Peak Torque	550 N m at 1500 rpm		
Displacement	3.8 l (229 cu in)		
HYDRAULIC SYSTEM			
MAIN PUMP			
Type	Variable displacement tandem axis piston pumps		
Max. flow	2 x 127 l/min		
PILOT PUMP			
Type	Fixed displacement gear pump single stage		
Max. flow	29.3 l/min		
HYDRAULIC MOTORS			
Travel	Variable displacement axial piston motor		
Swing	Two fixed displacement axial piston motor		
RELIEF VALVE SETTING			
Implement Circuits	350 kgf/cm ²		
Travel	350 kgf/cm ²		
Power Boost (Boom, Arm, Bucket)	380 kgf/cm ²		
Swing Circuit	280 kgf/cm ²		
Pilot Circuit	40 kgf/cm ²		
HYDRAULIC CYLINDERS			
No. of Cylinder Bore X Stroke	Boom: 2-Ø105 x 1105 mm		
	Arm: 1-Ø115 x 1138 mm		
	Bucket: 1-Ø100 x 850 mm		
	Blade: 2-Ø100 x 250 mm		
	2PCS	1st: 2-Ø105 x 995 mm	
	2nd: 1-Ø145 x 613 mm		
* Hyundai Bio Hydraulic Oil (HBHO) available			
DRIVES & BRAKES			
Drive Method	Fully hydrostatic type		
Drive Motor	Axial piston motor, in-shoe design		
Reduction System	Planetary reduction gear		
Max. Drawbar Pull	HX145A LCR	HX145A LCR HW	
	12672 kgf	16717 kgf	
Max. Travel Speed (High / Low)	3.3 km/hr / 5.6 km/hr	2.5 km/hr / 4.4 km/hr	
	Gradeability 35° (70%)		
Parking Brake	Multi wet disc		
CONTROLS			
Pilot Control	Two joysticks with one safety lever		
	(LH): Swing and arm,		
	(RH): Boom and bucket		
Traveling and Steering	Two levers with pedals		
Engine Throttle	Electric, Dial type		
SWING SYSTEM			
Swing Motor	Fixed displacement axial piston motor		
Swing Reduction	Planetary reduction gear		
Swing Bearing Lubrication	Grease-bathed		
Swing Brake	Multi wet disc		
Swing Speed	11.4 rpm		

SPECIFICATIONS		HW145ALCR		
SERVICE CAPACITIES				
		liter		
Fuel Tank		210		
Engine Coolant		24.5		
Engine Oil		12		
Swing Device		3.5		
Final Drive (Each)		2.3		
Hydraulic System (Including Tank)		180		
Hydraulic Tank		96		
Def/Adblue®		27		
UNDERCARRIAGE				
The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.				
Center Frame	X - Leg Type			
Track Frame	Pentagonal Box Type			
	HX145A LCR (D)	HX145A LCR HW		
No. of Shoes on Each Side	47	47		
No. of Carrier Roller	2 x 2	2 x 2		
No. of Track Roller	2 x 7	2 x 7		
No. of Rail Guard	2	Full Rail Guard		
OPERATING WEIGHT				
Operating weight, including 4600 mm boom, 2500 mm arm, SAE heaped 0.58 m ³ bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.				
OPERATING WEIGHT				
Shoes	Operating Weight		Ground Pressure	
Type	Width (mm)	kg	kgf / cm ²	
Triple Grouser	500	HX145A LCR	15215	0.46
		HX145A LCR (Rubber Pad)	15185	0.45
		HX145A LCRD	16015	0.48
		HX145A LCRD (Rubber Pad)	15985	0.47
		HX145A LCR	15430	0.39
	600	HX145A LCR (Rubber Pad)	15990	0.40
		HX145A LCRD	16240	0.41
		HX145A LCRD (Rubber Pad)	16800	0.42
	700	HX145A LCR	15650	0.34
		HX145A LCRD	16465	0.35
800	HX145A LCR HW	17880	0.39	
	HX145A LCR HW	18120	0.34	
NOISE				
Operator Sound Pressure Level (ISO 6396:2008)		70 dB(A)		
Exterior Sound Power Level (ISO 6395:2008)		99 dB(A)		
AIR CONDITIONING SYSTEM				
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1.430) The system hold 0.75 kg refrigerant consisting of a CO ₂ equivalent of 1.07 metric tonnes. For more information, Please refer to the manual.				

DIMENSIONS & WORKING RANGE

HX145A LCR / HX145A LCRD MONO BOOM DIMENSIONS

4.10 m, 4.60 m BOOM and 1.90 m, 2.10 m, 2.50 m, 3.00 m ARM



Unit : mm

A	Tumbler Distance	3090
B	Overall Length of Crawler	3836
*C	Ground Clearance of Counter Weight	918
**D	Tail Swing Radius	1530
	Rear-End Length	1530
E	Overall Width of Upper Structure	2484
*F	Overall Height of Cab	2835
*G	Min. Ground Clearance	429
H	Track gauge	1990
*J'	Overall Height of Guardrail	3105

	4600	4100
Boom length	4600	4100
Arm length	2100	2500
I	6990	6965
***I'	7425	7320
*J	2895	2925

K	Track Shoe Width	500	600	700
L	Overall Width	2490	2590	2690

***M	Ground clearance of blade up	423
***N	Depth of blade down	430
***O	Height of blade	575

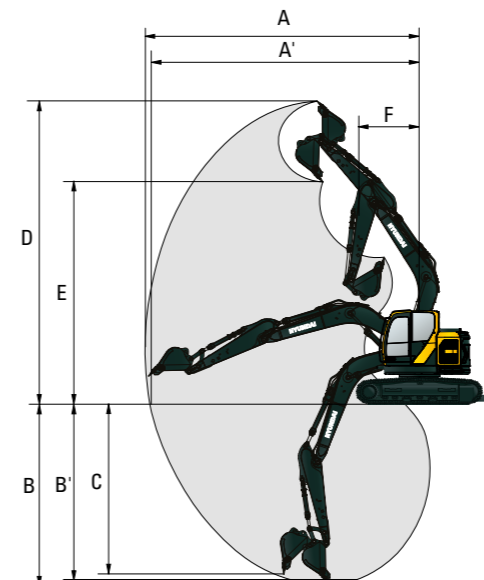
* This figure includes the size of grousers.

** STD counterweight.

*** With dozer blade.

HX145A LCR / HX145A LCRD MONO BOOM WORKING RANGE

Unit : mm

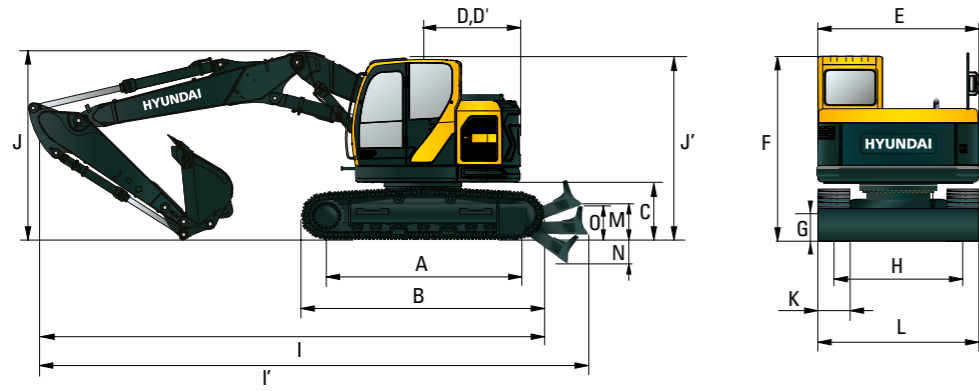


Boom Length	4600		4100		
Arm Length	2100	2500	3000	1900	
A	Max. Digging Reach	7890	8300	8765	7210
A'	Max. Digging Reach on Ground	7740	8160	8630	7040
B	Max. Digging Depth	5040	5440	5940	4375
B'	Max. Digging Depth (8' Level)	4800	5230	5760	4130
C	Max. Vertical Wall Digging Depth*	4590	4,990	5490	3930
D	Max. Digging Height	8990	9370	9750	8395
E	Max. Dumping Height	6500	6880	7255	5900
F	Min. Swing Radius	2100	2050	2330	2010

DIMENSIONS & WORKING RANGE

HX145A LCR / HX145A LCRD 2-PIECE BOOM DIMENSIONS

4.90 m 2-Piece BOOM and 2.10m, 2.50 m ARM



Unit : mm

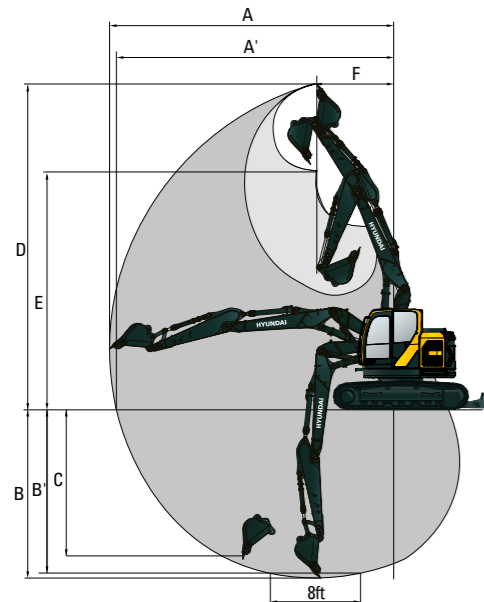
A	Tumbler Distance	3090
B	Overall Length of Crawler	3836
*C	Ground Clearance of Counter Weight	918
**D	Tail Swing Radius	1530
	Rear-End Length	1530
E	Overall Width of Upper Structure	2484
*F	Overall Height of Cab	2835
*G	Min. Ground Clearance	429
H	Track gauge	1990
*J'	Overall Height of Guardrail	3105

	Boom length	4900		
	Arm length	2100	2500	
I	Overall Length	7310	7290	
***I'	Overall Length (W/Dozer)	7645	7625	
*J	Overall Height of Boom	2660	2670	
K	Track Shoe	500	600	700
M	Overall Width	2490	2490	2690
***M	Ground clearance of blade up	423		
***N	Depth of blade down	430		
***O	Height of blade	575		

* This figure includes the size of grouser.
 ** STD counterweight.
 *** With dozer blade.

HX145A LCR / HX145A LCRD 2-PIECE BOOM WORKING RANGE

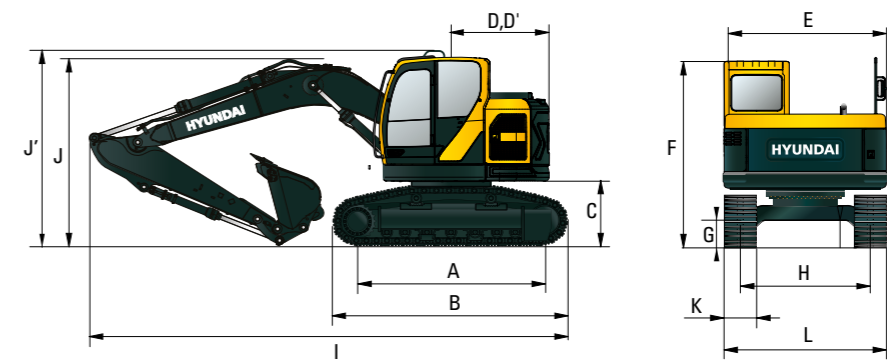
Unit : mm



Boom Length	4900		
Arm Length	2100	2500	
A	Max. Digging Reach	8270	8680
A'	Max. Digging Reach on Ground	8130	8540
B	Max. Digging Depth	5190	5600
B'	Max. Digging Depth (8' Level)	5080	5490
C	Max. Vertical Wall Digging Depth*	4540	5000
D	Max. Digging Height	9370	9750
E	Max. Dumping Height	6880	7260
F	Min. Swing Radius	2310	2250

HX145A LCR HW MONO BOOM DIMENSIONS

4.10 m, 4.60 m BOOM and 1.90 m, 2.10 m, 2.50 m, 3.00 m ARM



Unit : mm

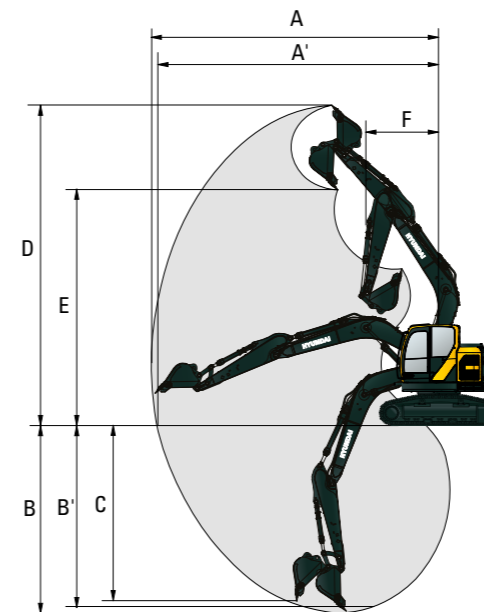
A	Tumbler Distance	3030
B	Overall Length of Crawler	3820
*C	Ground Clearance of Counter Weight	1193
**D	Tail Swing Radius	1530
	Rear-End Length	1530
E	Overall Width of Upper Structure	2484
*F	Overall Height of Cab	3155
*G	Min. Ground Clearance	603
H	Track gauge	2040
*J'	Overall Height of Guardrail	3380

	Boom length	4600		
	Arm length	2100	2500	3000
I	Overall Length	6990	6965	6885
*J	Overall Height of Boom	2940	2930	3275
K	Track Shoe Width	700	800	
L	Overall Width	2740	2840	

* This figure includes the size of grouser.
 ** STD counterweight.

HX145A LCR HW MONO BOOM WORKING RANGE

Unit : mm



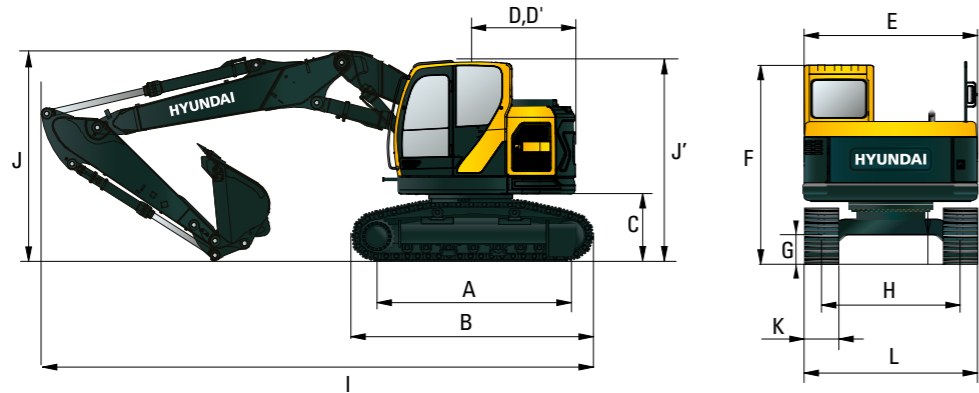
Boom Length	4600				
Arm Length	1900	2100	2500	3000	
A	Max. Digging Reach	7750	7920	8320	8780
A'	Max. Digging Reach on Ground	7590	7760	8170	8640
B	Max. Digging Depth	4915	5115	5515	6015
B'	Max. Digging Depth (8' Level)	4650	4860	5300	5830
C	Max. Vertical Wall Digging Depth*	4470	4660	5065	5570
D	Max. Digging Height	8130	8200	8530	8800
E	Max. Dumping Height	5690	5770	6080	6350
F	Min. Swing Radius	2620	2670	2650	2670

* This dimension varies with kinds of buckets.

DIMENSIONS & WORKING RANGE

HX145A LCR HW 2-PIECE BOOM DIMENSIONS

4.9 m 2-Piece BOOM and 2.1 m, 2.5 m ARM



A	Tumbler Distance	3030
B	Overall Length of Crawler	3770
*C	Ground Clearance of Counter Weight	1205
**D	Tail Swing Radius	2345
	Rear-End Length	2335
E	Overall Width of Upper Structure	2475
*F	Overall Height of Cab	2860
*G	Min. Ground Clearance	600
H	Track gauge	2040
*J	Overall Height of Guardrail	3110

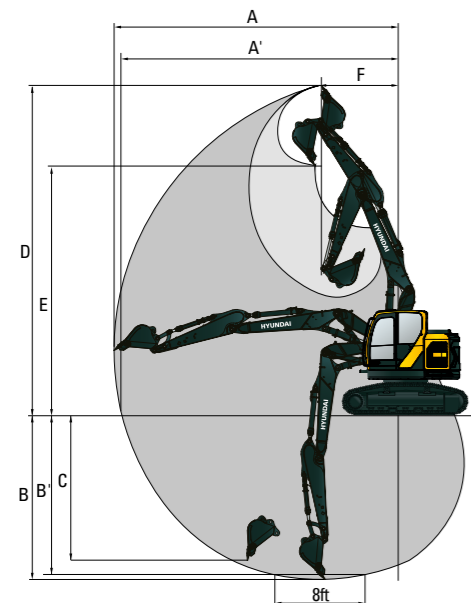
	Boom length	4900	
	Arm length	2100	2500
I	Overall Length	7130	7290
*J	Overall Height of Boom	2785	2790
K	Track Shoe	700	800
L	Overall Width	2740	2840

Unit : mm

* This figure includes the size of grouser.

** STD counterweight.

HX145A LCR HW 2-PIECE BOOM WORKING RANGE



	Boom Length	4900	
	Arm Length	2100	2500
A	Max. Digging Reach	8270	8680
A'	Max. Digging Reach on Ground	8130	8540
B	Max. Digging Depth	5190	5600
B'	Max. Digging Depth (8° Level)	5080	5490
C	Max. Vertical Wall Digging Depth*	4540	5000
D	Max. Digging Height	9370	9750
E	Max. Dumping Height	6880	7260
F	Min. Swing Radius	2310	2250

Unit : mm

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HX145A LCR MONO BOOM

4.60 m boom, 2.10 m arm equipped with 2,800kg counter weight and 600mm Triple grouser shoe without Dozer.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity	Reach	
												m
7.5m	kg	*6,280	*6,280							*4,830	*4,830	2.60
6.0m	kg			*4,820	*4,820	*4,410	3,750			*3,510	3,350	4.80
4.5m	kg	*4,020	*4,020	*5,280	*5,280	*4,680	3,710			*3,220	2,390	5.89
3.0m	kg			*7,750	6,560	*5,360	3,520	3,750	2,270	*3,210	2,020	6.45
1.5m	kg					5,700	3,300	3,660	2,180	3,140	1,880	6.63
0.0m	kg			*6,200	5,710	5,530	3,150	3,580	2,120	3,230	1,920	6.45
-1.5m	kg			*8,430	5,720	5,480	3,110			3,670	2,160	5.90
-3.0m	kg			*6,250	5,850	*4,280	3,190			*3,730	2,910	4.83

4.60 m boom, 2.10 m arm equipped with 2,800kg counter weight and 600mm Triple grouser shoe Dozer up.

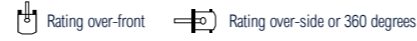
Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity	Reach	
												m
7.5m	kg	*6,280	*6,280							*4,830	*4,830	2.60
6.0m	kg			*4,820	*4,820	*4,410	4,000			*3,510	*3,510	4.80
4.5m	kg	*4,020	*4,020	*5,280	*5,280	*4,680	3,960			*3,220	2,570	5.89
3.0m	kg			*7,750	7,010	*5,360	3,770	3,820	2,440	*3,210	2,180	6.45
1.5m	kg					5,810	3,550	3,730	2,360	3,210	2,040	6.63
0.0m	kg			*6,200	6,150	5,640	3,400	3,660	2,290	3,290	2,080	6.45
-1.5m	kg			*8,430	6,160	5,600	3,360			3,740	2,340	5.90
-3.0m	kg			*6,250	*6,250	*4,280	3,440			*3,730	3,130	4.83

4.60 m boom, 2.10 m arm equipped with 2,800kg counter weight and 600mm Triple grouser shoe Dozer down.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity	Reach	
												m
7.5m	kg	*6,280	*6,280							*4,830	*4,830	2.60
6.0m	kg			*4,820	*4,820	*4,410	4,000			*3,510	*3,510	4.80
4.5m	kg	*4,020	*4,020	*5,280	*5,280	*4,680	3,960			*3,220	2,570	5.89
3.0m	kg			*7,750	7,010	*5,360	3,770	*4,410	2,440	*3,210	2,180	6.45
1.5m	kg					*6,110	3,550	*4,640	2,360	*3,400	2,040	6.63
0.0m	kg			*6,200	6,150	*6,370	3,400	*4,650	2,290	*3,860	2,080	6.45
-1.5m	kg			*8,430	6,160	*5,910	3,360			*4,120	2,340	5.90
-3.0m	kg			*6,250	*6,250	*4,280	3,440			*3,730	3,130	4.83

- Lifting capacity are based on ISO 10567.
- Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY



HX145A LCR 2-PIECE BOOM

4.90 m boom 2.50 m arm equipped with 3300kg counter weight and 600mm Triple grouser shoe.

Lift-point height m	kg	Lift-point radius						At max. Reach		
		3.0 m		4.5 m		6.0 m		Capacity		Reach m
7.5m	kg						*3070	*3070	4.28	
6.0m	kg			*3770	*3770		*2480	*2480	5.87	
4.5m	kg	*3760	*3760	*4090	4020	*3700	2530	*2280	2030	6.78
3.0m	kg	*7110	7040	*4880	3770	*3980	2440	*2240	1770	7.27
1.5m	kg			*5720	3490	3880	2320	*2320	1670	7.43
0.0m	kg	*3870	*3870	5820	3310	3770	2220	*2520	1690	7.28
-1.5m	kg	*7060	5970	5750	3240	3730	2180	*2930	1860	6.79
-3.0m	kg	*7150	6080	*5090	3280					

4.90 m boom 2.50 m arm equipped with 3300kg counter weight and 600mm Triple grouser shoe Dozer up.

Lift-point height m	kg	Lift-point radius						At max. Reach		
		3.0 m		4.5 m		6.0 m		Capacity		Reach m
7.5m	kg						*3070	*3070	4.28	
6.0m	kg			*3770	*3770		*2480	*2480	5.87	
4.5m	kg	*3760	*3760	*4090	*4090	*3700	2700	*2280	2180	6.78
3.0m	kg	*7110	*7110	*4880	4020	*3980	2610	*2240	1910	7.27
1.5m	kg			*5720	3740	3950	2490	*2320	1810	7.43
0.0m	kg	*3870	*3870	5940	3560	3850	2390	*2520	1830	7.28
-1.5m	kg	*7060	6410	5860	3490	3800	2360	*2930	2010	6.79
-3.0m	kg	*7150	6520	*5090	3530					

4.90 m boom 2.50 m arm equipped with 3300kg counter weight and 600mm Triple grouser shoe Dozer down.

Lift-point height m	kg	Lift-point radius						At max. Reach		
		3.0 m		4.5 m		6.0 m		Capacity		Reach m
7.5m	kg						*3070	*3070	4.28	
6.0m	kg			*3770	*3770		*2480	*2480	5.87	
4.5m	kg	*3760	*3760	*4090	*4090	*3700	2700	*2280	2180	6.78
3.0m	kg	*7110	*7110	*4880	4020	*3980	2610	*2240	1910	7.27
1.5m	kg			*5720	3740	*4330	2490	*2320	1810	7.43
0.0m	kg	*3870	*3870	*6150	3560	*4520	2390	*2520	1830	7.28
-1.5m	kg	*7060	6410	*5990	3490	*4350	2360	*2930	2010	6.79
-3.0m	kg	*7150	6520	*5090	3530					

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- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.

HX145A LCR HW MONO BOOM

4.60 m boom 2.10 m arm equipped with 2800kg counter weight and 600mm Triple grouser shoe.

Lift-point height m	kg	Lift-point radius						At max. Reach				
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach m
7.5m	kg	*6000	*6000	*4760	*4760					*4400	*4400	3.14
6.0m	kg			*4840	*4840	*4530	4090			*3430	3390	5.03
4.5m	kg			*5670	*5670	*4760	4010	*3260	2530	*3200	2520	6.01
3.0m	kg			*8180	7060	*5500	3810	3830	2480	*3230	2180	6.50
1.5m	kg					5790	3590	3740	2390	3230	2070	6.62
0.0m	kg			*6810	6320	5640	3460	3670	2330	3360	2140	6.39
-1.5m	kg			*8160	6350	5610	3440			3900	2470	5.76

4.60m boom 2.10 m arm equipped with 3300kg counter weight and 600mm Triple grouser shoe.

Lift-point height m	kg	Lift-point radius						At max. Reach				
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach m
7.5m	kg	*6000	*6000	*4760	*4760					*4400	*4400	3.14
6.0m	kg			*4840	*4840	*4530	4350			*3430	*3430	5.03
4.5m	kg			*5670	*5670	*4760	4280	*3260	2710	*3200	2700	6.01
3.0m	kg			*8180	7530	*5500	4070	4070	2660	*3230	2350	6.50
1.5m	kg					6140	3850	3970	2570	3430	2230	6.62
0.0m	kg			*6810	6780	5990	3720	3910	2510	3580	2310	6.39
-1.5m	kg			*8160	6810	*5740	3700			*4090	2660	5.76

- Lifting capacity are based on ISO 10567.
- Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HX145A LCR HW MONO BOOM

4.60 m boom 2.50 m arm equipped with 2800kg counter weight and 600mm Triple grouser shoe.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach
												m
7.5m	kg			*4170	*4170					*2900	*2900	3.93
6.0m	kg			*3820	*3820	*3890	*3890			*2360	*2360	5.56
4.5m	kg	*2980	*2980	*4100	*4100	*4400	4060	*3530	2560	*2200	*2200	6.45
3.0m	kg			*7430	7220	*5190	3840	3840	2480	*2200	1970	6.91
1.5m	kg			*7190	6530	5800	3600	3730	2380	*2330	1880	7.03
0.0m	kg			*7040	6270	5620	3440	3650	2300	*2620	1930	6.81
-1.5m	kg	*5250	*5250	*8650	6260	5560	3390	3630	2290	*3230	2180	6.22
-3.0m	kg			*6560	6380	*4500	3450			*3510	2880	5.15

4.60m boom 2.50 m arm equipped with 3300kg counter weight and 600mm Triple grouser shoe.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach
												m
7.5m	kg			*4170	*4170					*2900	*2900	3.93
6.0m	kg			*3820	*3820	*3890	*3890			*2360	*2360	5.56
4.5m	kg	*2980	*2980	*4100	*4100	*4400	4320	*3530	2740	*2200	*2200	6.45
3.0m	kg			*7430	*7430	*5190	4100	4070	2660	*2200	2130	6.91
1.5m	kg			*7190	7000	*5990	3860	3960	2560	*2330	2030	7.03
0.0m	kg			*7040	6740	5970	3700	3880	2480	*2620	2090	6.81
-1.5m	kg	*5250	*5250	*8650	6720	5910	3650	3860	2470	*3230	2360	6.22
-3.0m	kg			*6560	*6560	*4500	3710			*3510	3100	5.15

1. Lifting capacity are based on ISO 10567.
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3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.

Rating over-front Rating over-side or 360 degrees

HX145A LCR HW MONO BOOM

4.60 m (15' 1") boom 3.00 m (9' 10") arm equipped with 2800kg counter weight and 600mm (24") Triple grouser shoe.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach
												m
9.0m	kg									*4490	*4490	1.37
7.5m	kg					*3550	*3550	*2750	*2750			4.71
6.0m	kg					*3040	*3040	*3280	*3280	*2330	*2330	6.13
4.5m	kg					*3020	*3020	*3520	*3520	*3320	2600	6.95
3.0m	kg					*6500	*6500	*4790	3910	3870	2510	7.38
1.5m	kg					*8920	6710	*5720	3650	3750	2400	7.49
0.0m	kg					*7570	6310	5640	3450	3640	2300	7.28
-1.5m	kg	*4670	*4670			*9160	6220	5540	3370	3600	2260	6.74
-3.0m	kg					*7480	6290	*5120	3390			5.77

4.60 m (15' 1") boom 3.00 m (9' 10") arm equipped with 3300kg counter weight and 600mm (24") Triple grouser shoe.

Lift-point height m		Lift-point radius								At max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		Capacity		Reach
												m
9.0m	kg									*4490	*4490	1.37
7.5m	kg					*3550	*3550	*2750	*2750			4.71
6.0m	kg					*3040	*3040	*3280	*3280	*2330	*2330	6.13
4.5m	kg					*3020	*3020	*3520	*3520	*3320	2780	6.95
3.0m	kg					*6500	*6500	*4790	4180	*4010	2690	7.38
1.5m	kg					*8920	7170	*5720	3910	3980	2580	7.49
0.0m	kg					*7570	6780	5990	3720	3880	2480	7.28
-1.5m	kg	*4670	*4670			*9160	6690	5890	3630	3830	2440	6.74
-3.0m	kg					*7480	6760	*5120	3650			5.77

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3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.

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