

STANDARD/OPTIONAL EQUIPMENT

ENGINE	STD	OPT
Hyundai DM02V	•	
HYDRAULIC SYSTEM		
2 Power mode	•	
Engine auto idle	•	
CABIN & INTERIOR		
Radio & USB	•	
Standard key	•	
Smart key + Start button		•
Proportional joysticks	•	
Adjustable heatable seat (fabric)	•	
Adjustable heatable seat (pvc)		•
CABIN FOG		
FOG protection (top)		•
FOG protection (front+top)		•
SAFETY		
Boom LED light		•
Cabin LED lamp		•
Beacon LED lamp		•
Boom safety valve		•
Arm safety valve		•
Rear view camera		•
Travel alarm	•	
ATTACHMENT		
BOOMS		
3.00m, 9'10" Mono	•	
ARM		
1.60m, 5'3"	•	
1.90m, 6'3"		•
QUICK COUPLER		
Quick coupler (Push+Hook)		•
Quick coupler (Slide+Hook)		•

OTHERS	STD	OPT
Rotating piping		•
Quick coupler piping		•
Fuel filler pump		•
Hi Mate		•
Pattern change valve		•
COUNTERWEIGHT		
235kg CWT	•	
335kg CWT		•
435kg CWT		•
UNDERCARRIAGE		
Rubber track 400 mm	•	
Track 380mm (Steel)		•
Track 450mm (Steel)		•
Track 400mm + Rubber pads		•

- \* Standard and optional equipment may vary.  
Contact your HD Hyundai dealer for more information.  
The machine may vary according to International standards.
- \* The photos may include attachments and optional equipment  
that are not available in your area.
- \* Materials and specifications are subject to change  
without advance notice.



Head Office(Sales Office)  
11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

HX65A  
With EU Stage V Engine Installed



Max Power  
48.5 kW (65.9 hp) at 2400 rpm

Bucket Capacity  
0.18 m³

Operating Weight  
6080 kg



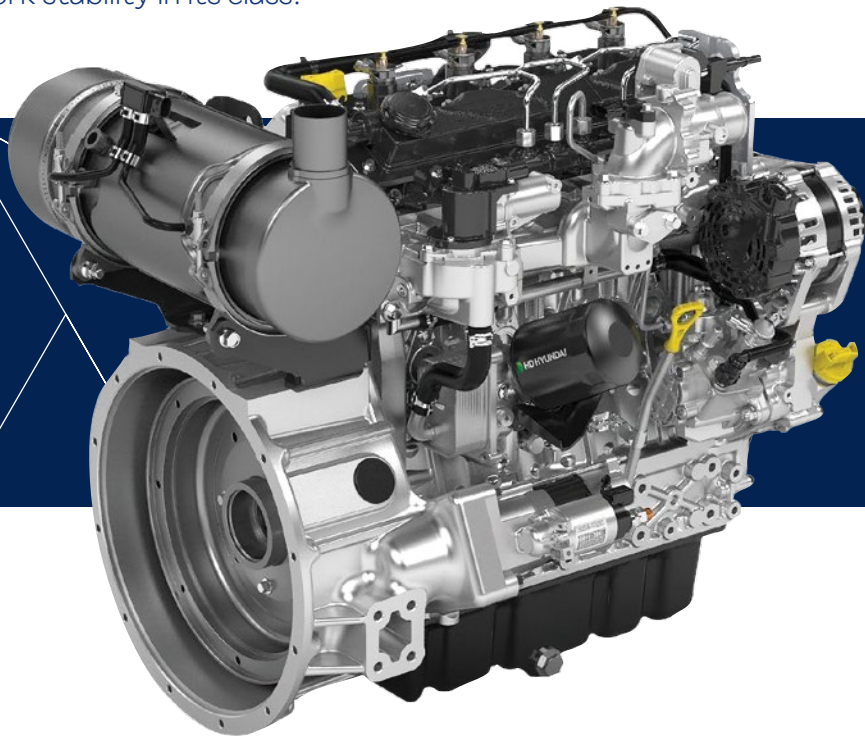


# PRODUCTIVITY & PERFORMANCE

The highly efficient Stage V Hyundai engine enhances fuel efficiency yet still offers industry-leading performance, along with low noise and vibration. And thanks to its optimised design and counterweight, the HX65A has the best work stability in its class.

## Greater efficiency

The new Hyundai engine increases fuel efficiency by 6% compared to the previous model, while having the highest torque in its class. And with a DOC + DPF installed, it doesn't need any extra additives.



The high-powered Stage V Hyundai DM02V engine delivers 65 HP and peak torque of 248 Nm.

A 4-way hydraulic line provides greater versatility for the operator allowing a greater use of attachments.



## Optimal counterweight

Lifting force has been increased massively by installing a heavy counterweight. It also enables the best working stability in its class.

## Improved engine cowl air vent

Increasing the vent hole of the engine cowl by 76% has improved engine cooling and durability and reduced noise.

## Reinforced bushing application

Durability is enhanced by applying dimple bushing to the boom pin area.

## Complete durability

A double layer air cleaner blocks dust from the engine, which optimises the air filter replacement and the engine's durability.

## Optimal hydraulic pipeline layout

The hydraulic pipes are placed at the top of the boom to prevent damage when working in narrow trenches.

## Seamless performance

By designing everything in-house, HD Hyundai has created the perfect synergy between engine and machine, with reduced noise and vibration enhancing operator comfort.

## Built for tough working

The HX65A is designed to withstand harsh treatment, increased thickness lower frame, wet track link, full track guards give maximum protection and durability.

Dozer, boom and engine hood guarding give extra protection.

## Powerful driving motor

Powerful track motors provide unrivaled performance and traction.



# COMFORT & EASE OF USE

In the new HX65A, comfort and efficiency go hand in hand. The standard proportional joysticks improve operating while the new 7- inch cluster makes diagnosing your machine as easy as possible. More space, better visibility and enhanced features make sure the operator enjoys a comfortable working environment.

## Intelligent & wide cluster

The new layout increases the operator's comfort and productivity thanks to an increase in space, better visibility and new tools.

## ✔ New 7-inch touchscreen cluster

The new cluster maximises operator productivity by providing integrated, easy access to all necessary information, from the outside temperature to the power modes and hydraulics settings, on a highly readable screen.



## Proportional joysticks **A**

The proportional joysticks as standard will greatly improve the operability of your machine and your attachments.

## Smooth operation

A proven, high-quality RCV (Remote Control Valve) lever has been added to improve operating and let you personalise settings such as attachment control.

## Bluetooth Radio **B**

Conveniently located radio with hands-free audio functions.

## ✔ Comfort in all weathers

Standard air conditioning has been improved in the front and rear, while a 3-level, adjustable heated seat ensures maximum comfort.



## ✔ Push button start

An innovative machine requires convenient modern functions like the button-type ignition key with start & stop function, plus added USB ports.





# SAFETY

Hyundai excavators don't just meet the required safety standards, they exceed them. The HX65A includes multiple safety tools as standard like Auto safety locks on boom, arm and dozer blade cylinder, while a rear view camera ensures the safest working environment possible.

## Max visibility

Visibility is key while working. That's why the HX65A can be optionally equipped with a rear-view camera.



Rear-view camera for increased



## LED lamps

For added safety, LED lamps are used in all the worklights with the boom worklights recessed to help prevent damage when working.

## Seat belt warning alarm

If the seat belt is not buckled when the ignition key is turned, an alarm is sounded, along with a continuous visual alert.

## Auto Safety Lock

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



# SERVICEABILITY & TELEMATICS

The HX65A is designed to offer simple daily inspections of all major parts and quick, easy maintenance. All parts are accessible from ground level through extra wide opening cowl doors.

## Reinforced Bushings

Dimple bushings on the boom pins reinforce durability and extend the grease-period of the machine.

## Added Toolbox

Increased storage space with additional toolbox.

## Double air cleaners

Dual air cleaners give increased filtration ensuring maximum engine life and long service intervals.

## Optimal placement of filters

Large engine hood and easy ground level access to daily checks and filters.



# HiMATE

It's convenient, easy and valuable. Hi MATE, HD 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.

## Monitor your machines

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

## 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.

## Mobile fleet app

Our new mobile app provides all the information you need to run your equipment more efficiently and economically. It has been optimised for fleet management, providing health insights based on telematic technology to keep your machines working at maximum performance.



## Keeping you covered

HD Hyundai Genuine Parts and accessories are designed to keep your machine running at optimum performance, with 24-hour delivery across our dealer network. HD Hyundai Standard and Extended Warranty Programmes provide peace of mind and give you full control over your operating costs.

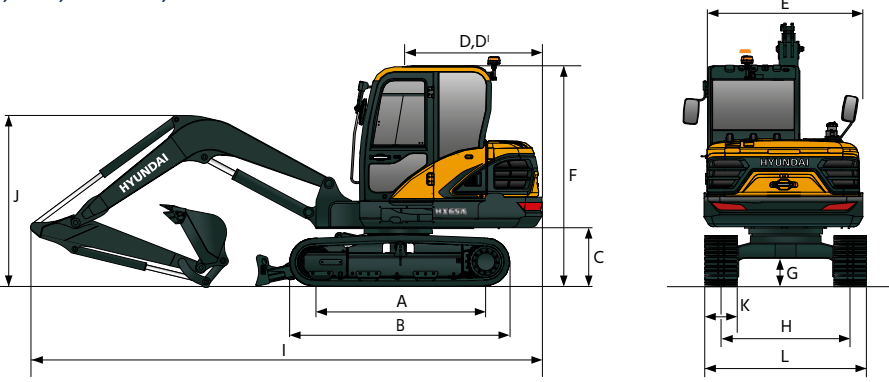
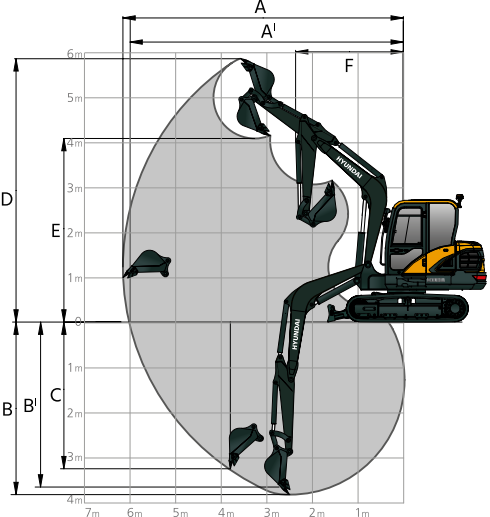


# SPECIFICATIONS

ENGINE		
Maker / Model		Hyundai / DM02VB (D24)
Type		4-cycle, turbocharged, intercooled, electronic controlled diesel engine
Gross Power @ 2400 rpm		48.5 kW (65.0 hp)
Net Power @ 2400 rpm		47 kW (63.0 hp)
Max. Power @ 2400 rpm		48.5 kW (65.0 hp)
Peak Torque		248 N·m at 1,600 rpm
Displacement		2,392 cc
Starting Motor		12V x 2.5 kW
Alternator		13.5V-90A
HYDRAULIC SYSTEM		
Open Centre hydraulic system with two hydraulic pumps		
MAIN PUMP		
Type		Variable displacement tandem axial piston pumps
Max. flow		2 x 60.5 l/min at 2,200 rpm
PILOT PUMP		
Type		Two gear pumps (pilot + swing, swivel, dozer)
Max. flow		40.3 + 10 l/min at 2,200 rpm
HYDRAULIC MOTORS		
Travel		Two fixed displacement axial piston motors
Swing		Fixed displacement axial piston motor
RELIEF VALVE SETTING		
Implement circuits		220 kgf/cm <sup>2</sup> (3130 psi)
Travel		350 kgf/cm <sup>2</sup> (4980 psi)
Swing circuit		230 kgf/cm <sup>2</sup> (3280 psi)
Pilot circuit		30 kgf/cm <sup>2</sup> (427 psi)
HYDRAULIC CYLINDERS		
No. of cylinder bore x stroke	Boom:	1-110 x 715 mm
	Arm:	1-90 x 850 mm
	Bucket :	1-80 x 660 mm
	Boom swing:	1-95 x 527 mm
	Blade:	1-110 x 224 mm
TRAVEL SYSTEM		
Drive method		Fully Hydrostatic Type
Drive motor		Two Axial Piston Motors, In-Shoe Design
Reduction System		Planetary Reduction Gear
Max. Drawbar Pull		5,221 kgf
Max. Travel Speed (High / Low)		2.2 / 4.2 km/h
Gradeability		35° (70%)
CONTROLS		
Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.		
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	2 - stage planetary			
Swing bearing lubrication	Grease-Bathed			
Swing brake	Multi wet disc			
Swing speed	9.4 rpm			
CAPACITIES				
	liter			
Fuel tank	125			
Engine coolant	11			
Engine oil	8.6			
Swing device	1.5			
Final drive	1			
Hydraulic system (including tank)	120			
Hydraulic tank	70			
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				
Centre frame	X-Leg type			
Track frame	Pentagonal box type			
No. of shoes on each side	76			
No. of carrier roller	2 x 1			
No. of track roller	2 x 5			
Rail guard	Option for steel tracks			
OPERATING WEIGHT (APPROXIMATE)				
Operating weight, including 3000 mm boom, 1600mm arm, SAE heaped 0.18 m³ bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipment.				
OPERATING WEIGHT				
Type	Shoe type	Shoe width	Operating weight	Ground pressure
HX65A	Rubber tracks	400 mm	6080 kg	0.35 kgf/cm²
	Steel tracks w/ rubber pads	400 mm	6460 kg	0.37 kgf/cm²
	steel tracks	380 mm	6250 kg	0.38 kgf/cm²
SOUND LEVEL				
Exterior sound level (2000/14/EC – ISO 6395:2008) LWA		99 dB (EU only)		
Interior sound level (ISO 6396:2008) LPA		76 dB		
AIR CONDITIONING SYSTEM				
The air conditioning system contains fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant representing a CO2 equivalent of 0.93 metric tonnes.				
DIGGING FORCE				
Boom	Length	mm	3000	
Arm	Length	mm	1600	1900
		SAE	kN	37 37
Bucket digging force	SAE	kgf	3763	3763
		ISO	kN	42 42
	ISO	kgf	4292	4292
		Arm crowd force	SAE	kN
kgf	2779			2476
ISO	kN		28 25	
	kgf		2886	2561

# DIMENSIONS & WORKING RANGE

HX65A MONO BOOM DIMENSIONS			
3.0 Mono boom, 1.6m, 1.9m Arm, Front dozer			
		Unit : mm	
A	Tumbler distance	2010	
B	Overall length of crawler	2544	
C	Ground clearance of counterweight	687	
D	Tail swing radius	1650	
D'	Rear-end length	1650	
E	Overall width of counterweight	1850	
F	Overall height of cab	2595	
G	Min. Ground clearance	271	
H	Track gauge	1500	
		Boom length	3000
		Arm length	1600 1900
I	Overall length	5970	5995
J	Overall height of boom	2075	2265
K	Track shoe width	380 (Steel track)	400 (Rubber track)
L	Overall width	1880	1900
HX65A WORKING RANGE			
		Unit : mm	
		Boom length	3000
		Arm length	1600 1900
A	Max. Digging reach	6150	6450
A'	Max. Digging reach on ground	6020	6320
B	Max. Digging reach depth	3770	4070
B'	Max. Digging reach depth (8' level)	3380	3720
C	Max. Vertical wall digging depth	3230	3600
D	Max. Digging height	5760	5980
E	Max. Dumping height	4000	4210
F	Min. Swing radius	2375	2410

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX65A

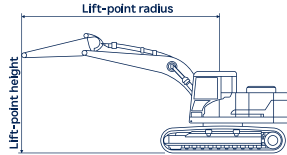
Boom : 3.0 m (9' 10") / Arm : 1.6 m (5' 3") / No Bucket / Counterweight : 285 kg (630 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)		Lift-point radius								At max. reach	
		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	
4.0m	kg					*1,220	*1,220			*1280	1,130
13.1 ft	lb					*2,690	*2,690			*2820	2,490 (14.0)
3.0m	kg					*1,270	1,240			*1240	900
9.8 ft	lb					*2,800	2,730			*2730	1,980 (16.0)
2.0m	kg			*1,960	1,840	*1,500	1,200	*1,320	850	*1250	800
6.6 ft	lb			*4,320	4,060	*3,310	2,650	*2,910	1,870	*2760	1,760 (17.0)
1.0m	kg			*2,600	1,720	*1,760	1,140	*1,410	830	*1330	770
3.3 ft	lb			*5,730	3,790	*3,880	2,510	*3,110	1,830	*2930	1,700 (17.2)
0.0m	kg			*2,850	1,660	*1,920	1,110	*1,450	810	*1420	800
0.0ft	lb			*6,280	3,660	*4,230	2,450	*3,200	1,790	*3130	1,760 (16.7)
-1.0m	kg	*3,080	*3,080	*2,750	1,650	*1,890	1,100			*1480	890
-3.3 ft	lb	*6,790	*6,790	*6,060	3,640	*4,170	2,430			*3260	1,960 (15.3)
-2.0m	kg	*3,610	3,260	*2,290	1,670					*1530	1,160
-6.6 ft	lb	*7,960	7,190	*5,050	3,680					*3370	2,560 (12.8)

Boom : 3.0 m (9' 10") / Arm : 1.6 m (5' 3") / No Bucket / Counterweight : 335 kg (740 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)		Lift-point radius								At max. reach	
		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)		Capacity	
4.0m	kg					*1,220	*1,220			*1,280	1,150
13.1 ft	lb					*2,690	*2,690			*2,820	2,540 (14.0)
3.0m	kg					*1,270	1,270			*1,240	920
9.8 ft	lb					*2,800	2,800			*2,730	2,030 (16.0)
2.0m	kg			*1,960	1,880	*1,500	1,220	*1,320	870	*1,250	820
6.6 ft	lb			*4,320	4,140	*3,310	2,690	*2,910	1,920	*2,760	1,810 (17.0)
1.0m	kg			*2,600	1,760	*1,760	1,170	*1,410	850	*1,330	790
3.3 ft	lb			*5,730	3,880	*3,880	2,580	*3,110	1,870	*2,930	1,740 (17.2)
0.0m	kg			*2,850	1,700	*1,920	1,130	*1,450	840	*1,420	820
0.0ft	lb			*6,280	3,750	*4,230	2,490	*3,200	1,850	*3,130	1,810 (16.7)
-1.0m	kg	*3,080	*3,080	*2,750	1,690	*1,890	1,120			*1,480	910
-3.3 ft	lb	*6,790	*6,790	*6,060	3,730	*4,170	2,470			*3,260	2,010 (15.3)
-2.0m	kg	*3,610	3,340	*2,290	1,710					*1,530	1,190
-6.6 ft	lb	*7,960	7,360	*5,050	3,770					*3,370	2,620 (12.8)

1. Lifting capacities are based on ISO 10567.
2. Lifting capacity of the HX A-series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
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 degree

HX65A

Boom : 3.0 m (9' 10") / Arm : 1.9 m (6' 3") / No Bucket / Counterweight : 335 kg (740 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)		Lift-point radius								At max. reach	
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)	
5.0m	kg										
16.4 ft	lb										
4.0m	kg							*1,060	*1,060		
13.1 ft	lb							*2,340	*2,340		
3.0m	kg							*1,140	*1,140	*1,160	900
9.8 ft	lb							*2,510	*2,510	*2,560	1,980
2.0m	kg					*1,730	*1,730	*1,380	1,240	*1,240	880
6.6 ft	lb					*3,810	*3,810	*3,040	2,730	*2,730	1,940
1.0m	kg					*2,430	1,790	*1,680	1,180	*1,360	860
3.3 ft	lb					*5,360	3,950	*3,700	2,600	*3,000	1,900
0.0m	kg			*1,480	*1,480	*2,810	1,710	*1,880	1,140	*1,440	840
0.0ft	lb			*3,260	*3,260	*6,190	3,770	*4,140	2,510	*3,170	1,850
-1.0m	kg	*1,920	*1,920	*2,710	*2,710	*2,820	1,680	*1,920	1,120	*1,380	830
-3.3 ft	lb	*4,230	*4,230	*5,970	*5,970	*6,220	3,700	*4,230	2,470	*3,040	1,830
-2.0m	kg	*3,140	*3,140	*4,070	3,310	*2,480	1,700	*1,670	1,130		
-6.6 ft	lb	*6,920	*6,920	*8,970	7,300	*5,470	3,750	*3,680	2,490		
-3.0m	kg			*2,450	*2,450	*1,430	*1,430				
-9.8 ft	lb			*5,400	*5,400	*3,150	*3,150				

Boom : 3.0 m (9' 10") / Arm : 1.9 m (6' 3") / No Bucket / Counterweight : 435 kg (960 lb) / Rubber track : 400 mm (1' 4") / Dozer down position

Lift-point height (m/ft)		Lift-point radius								At max. reach	
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		5.0 m (16.4 ft)	
5.0m	kg										
16.4 ft	lb										
4.0m	kg							*1,060	*1,060		
13.1 ft	lb							*2,340	*2,340		
3.0m	kg							*1,140	*1,140	*1,160	940
9.8 ft	lb							*2,510	*2,510	*2,560	2,070
2.0m	kg					*1,730	*1,730	*1,380	1,300	*1,240	920
6.6 ft	lb					*3,810	*3,810	*3,040	2,870	*2,730	2,030
1.0m	kg					*2,430	1,870	*1,680	1,240	*1,360	900
3.3 ft	lb					*5,360	4,120	*3,700	2,730	*3,000	1,980
0.0m	kg			*1,480	*1,480	*2,810	1,790	*1,880	1,200	*1,440	880
0.0ft	lb			*3,260	*3,260	*6,190	3,950	*4,140	2,650	*3,170	1,940
-1.0m	kg	*1,920	*1,920	*2,710	*2,710	*2,820	1,770	*1,920	1,180	*1,380	870
-3.3 ft	lb	*4,230	*4,230	*5,970	*5,970	*6,220	3,900	*4,230	2,600	*3,040	1,920
-2.0m	kg	*3,140	*3,140	*4,070	3,460	*2,480	1,780	*1,670	1,190		
-6.6 ft	lb	*6,920	*6,920	*8,970	7,630	*5,470	3,920	*3,680	2,620		
-3.0m	kg			*2,450	*2,450	*1,430	*1,430				
-9.8 ft	lb			*5,400	*5,400	*3,150	*3,150				

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

