





A HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT

2022. JAN

MOVING YOU FURTHER

WHAT'S NEWEST **AND BEST**

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine NEW
- Eco Report **NEW**
- Lifting Mode NEW
- IPC (Intelligent Power Control) Upgrade
- Fuel Rate Information
- Eco Gauge
- Automatic Engine Shutdown

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

Side Protector Option

- ROPS/FOG/FOPS
 Option
- Reinforced Durability of Upper and Lower Structure and Attachments
- Durable Cooling Module
- Reinforced Pin, Bush and Polymer Shim
- Wear Resistant Cover Plate

EASY CONTROL AND **COMFORTABLE OPERATION**

- Visibility and Handle Improvement
 NEW
- Key On Init Work Mode NEW
- One Pedal Travel Straight Option
- Proportional Auxiliary Hydraulic System Option
- Fine(Cushion/Free) Swing Contol Option
- Integrated Audio System Option
- Intelligent & Wide Cluster
- Jog Dial Module
- OME (Owner Menu Editing)





SERVICEABILITY AND

- ECD (Engine Connected Diagnostics) (NEW) Option

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HYUNDA

s is equipped with eco-friendly, high-performance engines that meet U Stage V emission requirements.

BETTER FUEL-EFFICIENCY





Eco Report NEW

It reports the excavator's inefficient operation status and help improving operator's working habit.



Fuel Rate Information

Fuel information is displayed as average rate and latest fuel consumed for guiding to economy operating.

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Fuel R	late Information	
General R	ecord	•
Hourly Record		×
Daily Reco	rd	٠
Mode Rec	ord	۲
ECO Repo	rt	•
-21		

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Fuel F	Rate Information	
General R	ecord	•
Hourly Re	cord	•
Daily Reco	brd	•
Mode Rec	cord	•
ECO Repo	ort	•
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Fco	Gai	ICIE
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Gauge level changes in accordance with engine working load and color indicates fuel saving-operation status.



Automatic Engine Shutdown

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



HX A Series adopts the upgraded IPC system. It is able to optimize pump flow rate and power at the various working condition through the individual pump control. Furthermore, optimized design of MCV and pipe line minimizes energy loss such as conflux and throttle loss.







IPC (Intelligent Power Control) Upgrade



Lifting Mode

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

We make the best performance in rough working conditions without any unsureness with trustworthy HX480A L.



HX A Series is equipment with eco-friendly, high-performance engines that meet the EU Stage V emission requirement. Become a true leader on the ground with HX Series.

Removal CWT



Reinforced Durability of Upper and Lower Structure and Attachments

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



Durable Cooling Module

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



Side Protector Option

Protect sides frame during operation in narrow area



NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

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



HYUNDAI

2) Wear Resistant Cover Plate





Intelligent & Wide Cluster

The 8" capacitive-type display(like smartphone display) of HX A Series is delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin.

One Pedal Travel Straight Option

One Pedal Travel Straight is available for customers' convenience when long distance traveling or combination of attachment work with traveling is necessary.



Proportional Auxiliary Hydraulic System Option

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work.

• Jog Dial Module

The integrated jog dial module applies to the accelerator, remote air conditioner controller and operation of the cluster, allowing convenient operation. In the event of failure of the jog dial module, the emergency mode is activated on the cluster to ensure failsafe function.



starting.

The owner of machine can restrict operators access the set of functions. In the menu, owner can set the list of the function to lock or unlock it. It is necessary to input the password to access the set of function.



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 HCE's intensive information technology development, enables both productivity and comfort while working! HX A Series is designed with the operator in mind.

Visibility and Handle Improvement NEW

Visibility through cabin door is improved and handle design on the cabin door is also improved and offers better convenient while operator get on and off the cabin.



Key On Init Work Mode NEW

Operator can maintain previously set about attachment mode when



Integrated Audio System Option

The radio player with a USB-based MP3 player, an integrated Bluetooth hands-free feature, and a built-in microphone allow for phone calls while at work and in transit. The radio player is conveniently located on the right side of the operator to allow for improved access.



OME(Owner Menu Editing)



Fine Swing Control Option

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).

HX480A L with advanced technology ensures our safety on a construction site.



HX A Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry. have worked tirelessly to offer a zero-defect product. The new HX A Series reflects customers' needs in the field gleaned by thorough monitoring.

Auto Safety Lock NEW

It prevents unintended operation. If operator unlock safety lever when RCV lever is pressed, excavator is not controlled by RCV lever.



AAVM(Advanced Around View Monitoring) Camera System Option

HX A Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, thereby preventing accidents. Operators can easily check the workplace in the front and rear and to the right and left.

- AAVM(Advanced Around View Monitoring) : Secure field of vision in all directions by ten views including 3D bird's eye view and 2D/4CH view.
- IMOD(Intelligent Moving Object Detection) : Inform when pedestrians or dangerous objects are moving around the machine waiting for work.



Electronic Swing Parking System

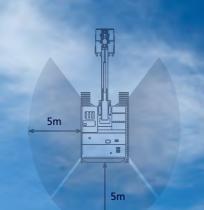
An electronic valve and control system is applied to improve safety and utilization. The opening and closing time of the swing brake valve is controlled according to the sensing and control system.

Seatbelt Warning Alarm

If the seatbelt 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.

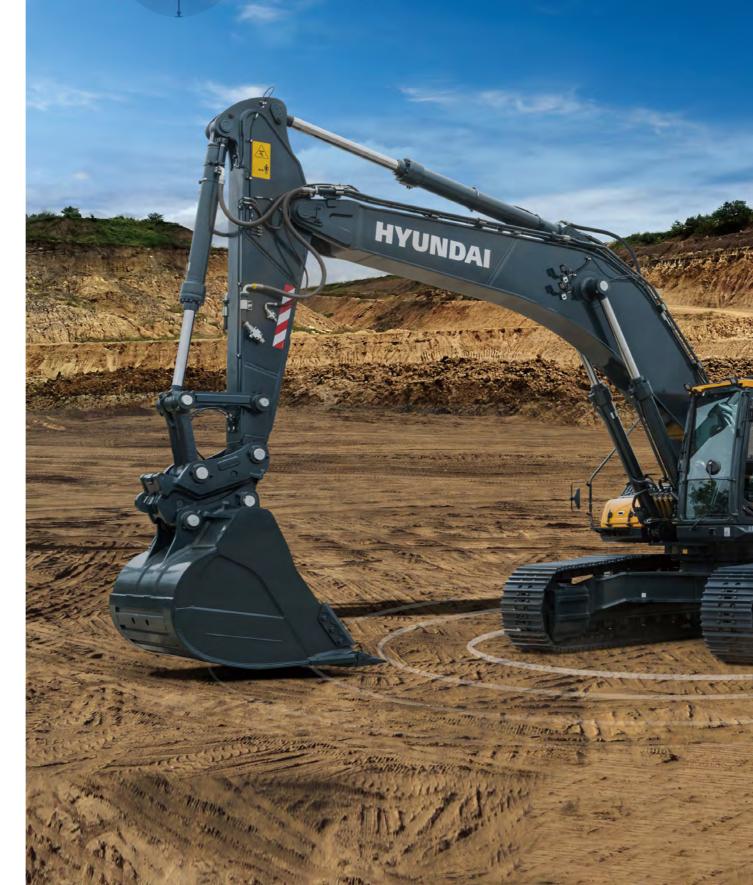
Cabin Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of HX A Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatigue.





The true value of HX A Series lies in its durability. The robust frame structure and the attachments show the real value of HX A Series in tough working environments and promise higher productivity.



THE ULTIMATE SAFE ENVIRONMENT



SERVICEABILITY **AND TELEMATICS**

IoT / ICT / AI-based digital technology. Creating a smart construction site. Maximizes connectivity, productivity, and safety for successful businesses.



HIMXITE

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.



HYUNDAI

Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geofence boundary, you will get alerts.







ECD(Engine Connected Diagnostics) **NEW** Option

ECD will support the after sales technicians and dealers with a diagnostics report (via e-mail, mobile, app or Hi MATE) on the engine performance. This will help after sales technicians arrive on site with the necessary tools and parts to fix troubles in one visit.

ECD is an integrated remote diagnostics service between Cummins cloud and Hi MATE cloud.

Mobile Fleet App. NEW Option

The new Mobile App is optimized to fleet management. It provides productivity, health insights based on telematics technology and enables fleet owner just focus on most wanted equipment in view of economical usage, utilization, fault codes and maintenance.



'Hi MATE Fleet Manager' App

SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS / X12
Туре	6 cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine.
Gross Power	298 kW (400 hp) at 2,100 rpm
Net Power	295 kW (395 hp) at 2,100 rpm
Max. Power	300 kW (402 hp) at 1,800 rpm
Peak Torque	1,898 N · m (1,400 lb•ft) at 1,400 rpm
Displacement	11.8 l (720 cu in)
Operating Altitude (w/o derate)	2,000 m (6,562 ft)

HYDRAULIC SYSTEM

MAIN PUMP		
Туре	Variable displacement axis piston pumps	
Max. Flow	2 × 394 lpm (104.0 US gpm / 86.7 UK gpm) 1 × 23.9 lpm (6.3 US gpm / 5.3 UK gpm)	
Sub-Pump For Pilot Circuit	Gear pump	

Cross-sensing and fuel saving pump system.

HYDRAULIC MOTORS		
Travel	Two speed axial pistons motor with brake valve and parking brake	
Swing	Axial piston motor with automatic brake	

RELIEF VALVE SETTING	
Implement Circuits	330 kgf/cm ² (4,694psi)
Travel	360 kgf/cm ² (5,120psi)
Power Boost (Boom, Arm, Bucket)	360 kgf/cm ² (5,120psi)
Swing Circuit	285 kgf/cm ² (4,053psi)
Pilot Circuit	40 kgf/cm ² (569 psi)
Service Valve	Installed

HYDRAULIC CYLINDERS

No. of Cylinder Bore X Stroke	Boom Ø170 × 1,580 mm
	Arm \emptyset 190 \times 1,820 mm
BOIE A SUORE	Bucket Ø160 \times 1,370 mm

DRIVES & BRAKES		
Drive Method	Fully hydrostatic type	
Drive Motor	Axial piston motor, in-shoe design	
Reduction System	Planetary reduction gear	
Max. Drawbar Pull	39,674 kgf (87,466 lbf)	
Max. Travel Speed (High / Low)	3.3 km/hr (2.1 mph) / 5.3 km/hr (3.3 mph)	
Gradeability	35° (70%)	
Parking Brake	Multi wet disc	

CONTROL

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 (ISO)
Traveling and Steering	Two levers with pedals
Engine Throttle	Electric, dial type

SWING SYSTEMSwing MotorAxial piston motorSwing ReductionPlanetary gear reductionSwing Bearing LubricationGrease-bathedSwing BrakeMulti wet discSwing Speed9.0 rpm

COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel Tank	600	158.4	131.9
Engine Coolant	43	11.3	9.4
Engine Oil	34	9.0	7.5
Swing Device	7	1.8	1.5
Final Drive (Each)	13	3.4	2.9
Hydraulic System (Including Tank)	499	131.7	109.7
Hydraulic Tank	275	72.6	60.4
Def/Adblue [®]	70	18.4	15.3

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
No. of Shoes on Each Side	53 EA
No. of Carrier Roller on Each Side	2 EA
No. of Track Roller on Each Side	9 EA
No. of Rail Guard on Each Side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.2m³ (2.88 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATIN	IG WEIGHT		
Shoes		Operating Weight	Ground Pressure
Туре	Width mm(in)	kg (lb)	kgf/cm ² (psi)
	600 (24")	50,690 (111,752)	0.88 (12.51)
Triple	700 (28")	51,210 (112,898)	0.76 (10.83)
Grouser	800 (32")	51,740 (114,067)	0.67 (9.58)
	900 (36")	52,248 (115,187)	0.61 (8.60)
Double	600 (24")	50,722 (111,823)	0.88 (12.52)
Grouser	700 (28")	51,252 (112,991)	0.76 (10.84)

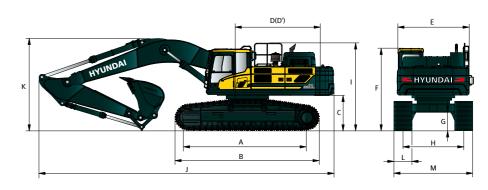
AIR CONDITIONING SYSTEM

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 0.8 kg refrigerant consisting of a CO₂ equivalent of 1.21 kg. For more information, Please refer to the manual.

DIMENSIONS & WORKING RANGE

HX480A L DIMENSIONS

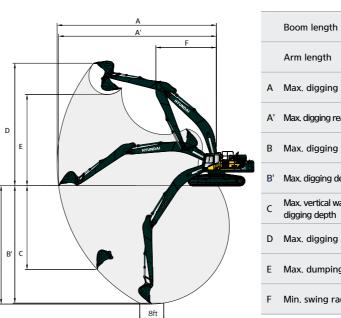
6.55 m (21' 6"), 7.06 m (23' 2"), 9.0 m (29' 6") boom and 2.4 m (7' 10"), 2.55 m (8' 4"), 2.9 m (9' 6"), 3.38 m (11' 1"), 4.0 m (13' 8"), 6.0 m (19' 8") arm



A Tumbler Distance	4,470 (14' 8")	Boom Length	6,5	50		7,0	60		9,000
B Overall Length of Crawler	5,416 (17' 9")	boom Length	(21'	6")		(23'	2")		(29' 6")
*C Ground Clearance of Counter Weight	1,295 (4' 3")	Arm Length	2,400 (7' 10")	2,550 (8' 4")	2,550 (8' 4")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	6,000 (19' 8")
D Tail Swing Radius	3,800 (12' 6")	L Overall Length	11,780	11,600	12,110	12,170	12,040	12,010	14,010
D' Rear-end Length	3,665 (12' 0")	J Overall Length	(38' 8")	(38' 1")	(39' 9")	(39' 11")	(39' 6")	(39' 5")	(46' 0")
E Overall Width of Upper Structure	2,980 (9' 9")	*K Overall Height of Boom	4,100 (13' 5")	3,980 (13' 1")	3,920 (12' 10")	3,900 (12' 10")	3,790 (12' 5")	4,110 (13' 6")	3,990 (13' 1")
*F Overall Height of Cab	3,240 (10' 8")		600	ſ	700		800		900
G Min. Ground Clearance	560 (1' 10")	L Track Shoe Width	(24)	-	(28")		(32")		36")
H Track gauge	2,740 (9' 0"))		3,34	10	3.440		3.540	3	.640
*I Overall Height of Guardrail	3,440 (11' 3")	M Overall Width	(11)		(11' 3"))	(11' 7")		' 11")
* This figure includes the size of grou	IS OFF								

* This figure includes the size of grousers.

HX480AL WORKING RANGE



Unit∶mm (ft·in)

Unit∶mm (ft∙in)

						Offic :	
		50 ' 6")		7,0 (23'	60 2")		9,000 (29' 6")
	2,400	2,550	2,550	2,900	3,380	4,000	6,000
	(7' 10")	(8' 4")	(8' 4")	(9' 6")	(11' 1")	(13' 1")	(19' 8")
reach	10.650	10,860	11,410	11,620	12,040	12,600	16,180
	(34' 11")	(35' 8")	(37' 5")	(38' 1")	(39' 6")	(41' 4")	(53' 1")
each on ground	10,430	10,640	11,200	11,410	11,840	12,410	16,030
	(34' 3")	(34' 11")	(36' 9")	(37' 5")	(38' 10")	(40' 9")	(52' 7")
depth	6,420	6,570	6,930	7,280	7,760	8,380	12,020
	(21' 1")	(21' 7")	(22' 9")	(23' 11")	(25' 6")	(27' 6")	(39' 5")
lepth (8' level)	6,240	6,400	6,760	7,120	7,620	8,250	11,920
	(20' 6")	(21' 0")	(22' 2")	(23' 4")	(25' 0")	(27' 1")	(39' 1")
all	4,510	5,550	5,720	5,800	5,920	6,470	8,510
	(14' 10")	(18' 3")	(18' 9")	(19' 0")	(19' 5")	(21' 3")	(27' 11")
height	10,170	10,580	11,110	10,930	11,030	11,260	12,610
	(33' 4")	(34' 9")	(36' 5")	(35' 10")	(36' 2")	(36' 11")	(41' 4")
g height	6,850	7,070	7,570	7,490	7,640	7,870	9,410
	(22' 6")	(23' 2")	(24' 10")	(24' 7")	(25' 1")	(25' 10")	(30' 10")
adius	4,730	4,550	4,780	4,890	4,770	4,630	6,040
	(15' 6")	(14' 11")	(15' 8")	(16' 1")	(15' 8")	(15' 2")	(19' 10")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX480A	A L											
6.55 m (2	21' 6")	boom, 2.40	m (7' 10") ar	m equipped v	with 600 mm	(24") triple g	grouser shoe	e. (without bu	ucket)			
					Lift-poin	t radius				At	t max. reach	1
Lift-poi		3.0 m ((9.8 ft)	4.5 m (1	4.8 ft)	6.0 m (1	9.7 ft)	7.5 m (2	4.6 ft)	Capa	tity	Reach
heigh (m/ft)		ŀ	-	ŀ	- £ Ĵ	ŀ	- F	ŀ	- £ Ĵ	ŀ	- F	m (ft)
7.5 m	kg					*13,490	*13,490			*13,020	12,480	6.91
24.6 ft	lb					*29,740	*29,740			*28,700	27,510	(22.7)
6.0 m	kg					*14,200	*14,200	*12,660	10,810	*12,460	10,010	7.86
19.7 ft	lb					*31,310	*31,310	*27,910	23,830	*27,470	22,070	(25.8)
4.5 m	kg					*15,640	14,670	*13,150	10,520	*12,240	8,770	8.43
14.8 ft	lb					*34,480	32,340	*28,990	23,190	*26,980	19,330	(27.7)
3.0 m	kg					*17,160	13,910	*13,820	10,150	*12,170	8,160	8.71
9.8 ft	lb					*37,830	30,670	*30,470	22,380	*26,830	17,990	(28.6)
1.5 m	kg					*18,060	13,340	*14,270	9,830	*12,170	7,980	8.72
4.9 ft	lb					*39,820	29,410	*31,460	21,670	*26,830	17,590	(28.6)
Ground	kg					*17,980	13,050	*14,150	9,640	*12,150	8,210	8.47
Line	lb					*39,640	28,770	*31,200	21,250	*26,790	18,100	(27.8)
-1.5 m	kg			*21,260	19,970	*16,800	13,010	*13,080	9,620	*12,000	8,980	7.93
-4.9 ft	lb			*46,870	44,030	*37,040	28,680	*28,840	21,210	*26,460	19,800	(26.0)
-3.0 m	kg	*20,090	*20,090	*17,780	*17,780	*14,170	13,210			*11,390	10,720	7.02
-9.8 ft	lb	*44,290	*44,290	*39,200	*39,200	*31,240	29,120			*25,110	23,630	(23.0)

6.55 m (21' 6") boom, 2.55 m (8' 4") arm equipped with 600 mm (24") triple grouser shoe. (without bucket)

1.00						Lift-poir	nt radius					A	t max. rea	ch
Lift-po		3.0 m	(9.8 ft)	4.5 m (14.8 ft)	6.0 m (19.7 ft)	7.5 m (2	24.6 ft)	9.0 m (29.5 ft)	Cap	acity	Reach
heigh (m/ft		ŀ	-50	ŀ	-	ŀ	-50	ŀ	- F D	ŀ	-	ŀ	-	m (ft)
9.0 m	kg											*12,640	*12,640	5.73
29.5 ft	lb											*27,870	*27,870	(18.8)
7.5 m	kg					*13,260	*13,260					*11,420	*11,420	7.17
24.6 ft	lb					*29,230	*29,230					*25,180	*25,180	(23.5)
6.0 m	kg					*14,050	*14,050	*12,530	10,910			*11,020	9,620	8.09
19.7 ft	lb					*30,970	*30,970	*27,620	24,050			*24,290	21,210	(26.5)
4.5 m	kg			*20,450	*20,450	*15,540	14,830	*13,090	10,620			*11,080	8,500	8.65
14.8 ft	lb			*45,080	*45,080	*34,260	32,690	*28,860	23,410			*24,430	18,740	(28.4)
3.0 m	kg					*17,130	14,080	*13,820	10,260			*11,510	7,940	8.92
9.8 ft	lb					*37,770	31,040	*30,470	22,620			*25,380	17,500	(29.3)
1.5 m	kg					*18,140	13,510	*14,330	9,940			*11,910	7,780	8.93
4.9 ft	lb					*39,990	29,780	*31,590	21,910			*26,260	17,150	(29.3)
Ground	kg			*22,600	20,060	*18,170	13,200	*14,290	9,740			*11,880	8,000	8.69
Line	lb			*49,820	44,220	*40,060	29,100	*31,500	21,470			*26,190	17,640	(28.5)
-1.5 m	kg			*21,830	20,130	*17,110	13,130	*13,350	9,690			*11,710	8,710	8.16
-4.9 ft	lb			*48,130	44,380	*37,720	28,950	*29,430	21,360			*25,820	19,200	(26.8)
-3.0 m	kg	*21,500	*21,500	*18,470	*18,470	*14,650	13,290					*11,130	10,280	7.28
-9.8 ft	lb	*47,400	*47,400	*40,720	*40,720	*32,300	29,300					*24,540	22,660	(23.9)
-4.5 m	kg			*12,770	*12,770							*9,300	*9,300	5.90
-14.8 ft	lb			*28,150	*28,150							*20,500	*20,500	(19.4)

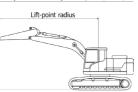
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						Lift-poir	nt radius					A	t max. rea	ch
Lift-po		3.0 m	(9.8 ft)	4.5 m (14.8 ft)	6.0 m (19.7 ft)	7.5 m (2	24.6 ft)	9.0 m (2	29.5 ft)	Cap	acity	Reach
heigh (m/ft		Þ	-	ŀ		ŀ	-	ŀ	-	ŀ	-60	ŀ	-	m (ft)
9.0 m	kg											*12,320	*12,320	6.55
29.5 ft	lb											*27,160	*27,160	(21.5)
7.5 m	kg							*11,710	10,990			*11,350	10,150	7.84
24.6 ft	lb							*25,820	24,230			*25,020	22,380	(25.7)
6.0 m	kg					*13,770	*13,770	*11,980	10,810			*11,020	8,490	8.69
19.7 ft	lb					*30,360	*30,360	*26,410	23,830			*24,290	18,720	(28.5)
4.5 m	kg					*15,410	14,460	*12,710	10,440	*11,200	7,900	*11,070	7,600	9.21
14.8 ft	lb					*33,970	31,880	*28,020	23,020	*24,690	17,420	*24,410	16,760	(30.2)
3.0 m	kg					*17,010	13,660	*13,500	10,030	*11,470	7,710	*10,990	7,140	9.47
9.8 ft	lb					*37,500	30,120	*29,760	22,110	*25,290	17,000	*24,230	15,740	(31.1)
1.5 m	kg					*17,890	13,110	*14,050	9,690	*11,630	7,540	*10,970	7,010	9.48
4.9 ft	lb					*39,440	28,900	*30,970	21,360	*25,640	16,620	*24,180	15,450	(31.1)
Ground	kg					*17,820	12,840	*14,080	9,480	*11,380	7,440	*10,930	7,180	9.25
Line	lb					*39,290	28,310	*31,040	20,900	*25,090	16,400	*24,100	15,830	(30.3)
-1.5 m	kg			*20,840	19,760	*16,830	12,810	*13,390	9,430			*10,780	7,740	8.75
-4.9 ft	lb			*45,940	43,560	*37,100	28,240	*29,520	20,790			*23,770	17,060	(28.7)
-3.0 m	kg	*19,580	*19,580	*18,070	*18,070	*14,800	12,960	*11,510	9,570			*10,330	8,920	7.94
-9.8 ft	lb	*43,170	*43,170	*39,840	*39,840	*32,630	28,570	*25,380	21,100			*22,770	19,670	(26.1)
-4.5 m	kg			*13,620	*13,620	*10,950	*10,950					*9,050	*9,050	6.71
-14.8 ft	lb			*30,030	*30,030	*24,140	*24,140					*19,950	*19,950	(22.0)

1. 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).

4. (*) indicates load limited by hydraulic capacity.



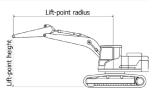
HX480/	A L													
7.06 m (2	23' 2")) boom, 2,9	90 m (9' 6")	arm equip	pped with 6	500 mm (24	4") triple gi	rouser sho	e. (without	t bucket)				
						Lift-poi	nt radius					A	t max. rea	ch
Lift-po heigh		3.0 m	(9.8 ft)	4.5 m ((14.8 ft)	6.0 m ((19.7 ft)	7.5 m ((24.6 ft)	9.0 m (29.5 ft)	Сар	acity	Reach
(m/ft		ŀ	-60	ľ	-	þ	-60	þ	-60	þ	-60	þ	-5	m (ft)
9.0 m	kg											*11,090	*11,090	6.86
29.5 ft	lb											*24,450	*24,450	(22.5)
7.5 m	kg							*11,090	11,040			*10,430	9,650	8.10
24.6 ft	lb							*24,450	24,340			*22,990	21,270	(26.6)
6.0 m	kg					*13,110	*13,110	*11,460	10,800			*10,260	8,110	8.92
19.7 ft	lb					*28,900	*28,900	*25,260	23,810			*22,620	17,880	(29.3)
4.5 m	kg					*14,750	14,480	*12,230	10,400	*10,790	7,840	*10,430	7,260	9.43
14.8 ft	lb					*32,520	31,920	*26,960	22,930	*23,790	17,280	*22,990	16,010	(30.9)
3.0 m	kg					*16,420	13,610	*13,090	9,940	*11,140	7,620	*10,490	6,810	9.68
9.8 ft	lb					*36,200	30,000	*28,860	21,910	*24,560	16,800	*23,130	15,010	(31.8)
1.5 m	kg					*17,480	12,960	*13,720	9,560	*11,390	7,410	*10,530	6,660	9.69
4.9 ft	lb					*38,540	28,570	*30,250	21,080	*25,110	16,340	*23,210	14,680	(31.8)
Ground	kg					*17,630	12,620	*13,880	9,310	*11,310	7,270	*10,580	6,800	9.47
Line	lb			*04.440		*38,870	27,820	*30,600	20,530	*24,930	16,030	*23,320	14,990	(31.1)
-1.5 m	kg			*21,440	19,310	*16,880	12,540	*13,390	9,220			*10,550	7,280	8.98
-4.9 ft	lb	****	*24.040	*47,270	42,570	*37,210	27,650	*29,520	20,330			*23,260	16,050	(29.5)
-3.0 m	kg	*21,910	*21,910	*18,830	*18,830	*15,130	12,650	*11,900	9,310			*10,320	8,320	8.20
-9.8 ft	lb	*48,300	*48,300	*41,510	*41,510	*33,360	27,890	*26,230	20,530			*22,750	18,340	(26.9)
-4.5 m	kg			*14,740	*14,740	*11,860	*11,860					*9,500	*9,500	7.01
-14.8 ft	lb			*32,500	*32,500	*26,150	*26,150					*20,940	*20,940	(23.0)
7.06 m (2	23' 2")) boom, 3.3	88 m (11' 1	") arm equ	ipped with	600 mm (2	24") triple	grouser sh	oe. (witho	ut bucket)				
Lift-po	int					· ·	nt radius	1				A	t max. rea	ch
heigh		3.0 m	(9.8 ft)	4.5 m ((14.8 ft)	6.0 m	(19.7 ft)	7.5 m ((24.6 ft)	9.0 m (29.5 ft)	Сар	acity	Reach
(m/ft	t)	ľ	-60	ľ		ľ	-	ŀ	-60	Ľ	-60	ľ		m (ft)
9.0 m	kg											*7,670	*7,670	7.44
29.5 ft	lb											*16,910	*16,910	(24.4)
7.5 m	kg							*10,410	*10,410			*7,250	*7,250	8.60
24.6 ft	lb							*22,950	*22,950			*15,980	*15,980	(28.2)
6.0 m	kg							*10,910	*10,910	*9,970	8,090	*7,160	*7,160	9.38
19.7 ft	lb							*24,050	*24,050	*21,980	17,840	*15,790	*15,790	(30.8)
4.5 m	kg			*18,520	*18,520	*14,070	*14,070	*11,770	10,520	*10,400	7,910	*7,280	6,790	9.86
14.8 ft	lb			*40,830	*40,830	*31,020	*31,020	*25,950	23,190	*22,930	17,440	*16,050	14,970	(32.4)
3.0 m	kg			*22,310	20,880	*15,900	13,850	*12,730	10,050	*10,860	7,660	*7,610	6,390	10.10
9.8 ft	lb			*49,190	46,030	*35,050	30,530	*28,060	22,160	*23,940	16,890	*16,780	14,090	(33.1)
1.5 m	kg			*16,400	*16,400	*17,220	13,140	*13,510	9,640	*11,240	7,430	*8,180	6,250	10.11
4.9 ft	lb			*36,160	*36,160	*37,960	28,970	*29,780	21,250	*24,780	16,380	*18,030	13,780	(33.2)
Ground	kg			*18,730	*18,730	*17,690	12,720	*13,860	9,340	*11,330	7,260	*9,100	6,360	9.90
Line	lb			*41,290	*41,290	*39,000	28,040	*30,560	20,590	*24,980	16,010	*20,060	14,020	(32.5)
-1.5 m	kg	*13,500	*13,500	*22,500	19,300	*17,250	12,560	*13,600	9,200	*10,900	7,190	*10,130	6,760	9.43
-4.9 ft	lb	*29,760	*29,760	*49,600	42,550	*38,030	27,690	*29,980	20,280	*24,030	15,850	*22,330	14,900	(31.0)
-3.0 m	kg	*21,470	*21,470	*20,180	19,490	*15,850	12,600	*12,490	9,230			*10,050	7,610	8.69
-9.8 ft	lb	*47,330	*47,330	*44,490	42,970	*34,940	27,780	*27,540	20,350			*22,160	16,780	(28.5)
-4.5 m	kg	*20,180	*20,180	*16,530	*16,530	*13,150	12,850	*9,790	9,480			*9,580	9,360	7.58
-14.8 ft	lb	*44,490	*44,490	*36,440	*36,440	*28,990	28,330	*21,580	20,900	1		*21,120	20,640	(24.9)

1. Lifting capacity are based on ISO 10567.

2. 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.

Rating over-front	- Rating over-side or 360 degree



LIFTING CAPACITY

HX480A L

7.06 m (23' 2") boom, 4.00 m (13' 1") arm equipped with 600 mm (24") triple grouser shoe. (without bucket)

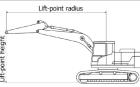
					Lift-point	t radius						Lift-point	t radius				A	t max. reach	
Lift-point height	1.5 m (4	4.9 ft)	3.0 m (9.8 ft)	4.5 m (1	4.8 ft)	6.0 m (1	9.7 ft)	7.5 m (2	4.6 ft)	9.0 m (2	9.5 ft)	10.5 m (3	34.4 ft)	Lift-po heigh		Сарас	ity	Reach
(m/ft)	ŀ	- 5 0	ŀ	-5	ŀ	- F D	ŀ	-50	ŀ	-5	ŀ	- F	ŀ	-5	(m/ft		ŀ	-50	m (ft)
9.0 m kg															9.0 m	kg	*6,180	*6,180	8.20
29.5 ft Ib															29.5 ft	lb	*13,620	*13,620	(26.9)
7.5 m kg											*7,300	*7,300			7.5 m	kg	*5,890	*5,890	9.26
24.6 ft Ib											*16,090	*16,090			24.6 ft	lb	*12,990	*12,990	(30.4)
6.0 m kg									*10,190	*10,190	*9,440	8,240			6.0 m	kg	*5,810	*5,810	9.98
19.7 ft Ib									*22,470	*22,470	*20,810	18,170			19.7 ft	lb	*12,810	*12,810	(32.8)
4.5 m kg							*13,110	*13,110	*11,120	10,700	*9,900	8,020			4.5 m	kg	*5,900	*5,900	10.44
14.8 ft Ib							*28,900	*28,900	*24,520	23,590	*21,830	17,680			14.8 ft	lb	*13,010	*13,010	(34.3)
3.0 m kg					*20,730	*20,730	*15,070	14,140	*12,190	10,190	*10,460	7,740	*7,550	6,050	3.0 m	kg	*6,150	5,890	10.67
9.8 ft Ib					*45,700	*45,700	*33,220	31,170	*26,870	22,470	*23,060	17,060	*16,640	13,340	9.8 ft	lb	*13,560	12,990	(35.0)
1.5 m kg					*22,090	20,070	*16,670	13,320	*13,120	9,730	*10,970	7,470	*8,270	5,910	1.5 m	kg	*6,580	5,760	10.68
4.9 ft Ib					*48,700	44,250	*36,750	29,370	*28,920	21,450	*24,180	16,470	*18,230	13,030	4.9 ft	lb	*14,510	12,700	(35.0)
Ground kg					*20,410	19,370	*17,500	12,780	*13,690	9,370	*11,250	7,250			Ground	kg	*7,250	5,830	10.47
Line lb					*45,000	42,700	*38,580	28,180	*30,180	20,660	*24,800	15,980			Line	lb	*15,980	12,850	(34.4)
-1.5 m kg			*13,080	*13,080	*23,300	19,170	*17,450	12,510	*13,700	9,170	*11,100	7,130			-1.5 m	kg	*8,310	6,140	10.04
-4.9 ft Ib			*28,840	*28,840	*51,370	42,260	*38,470	27,580	*30,200	20,220	*24,470	15,720			-4.9 ft	lb	*18,320	13,540	(32.9)
-3.0 m kg	*14,790	*14,790	*19,130	*19,130	*21,470	19,250	*16,480	12,470	*12,990	9,120	*10,230	7,130			-3.0 m	kg	*9,560	6,800	9.34
-9.8 ft Ib	*32,610	*32,610	*42,170	*42,170	*47,330	42,440	*36,330	27,490	*28,640	20,110	*22,550	15,720			-9.8 ft	lb	*21,080	14,990	(30.7)
-4.5 m kg			*23,930	*23,930	*18,410	*18,410	*14,390	12,640	*11,160	9,250					-4.5 m	kg	*9,370	8,090	8.32
-14.8 ft Ib			*52,760	*52,760	*40,590	*40,590	*31,720	27,870	*24,600	20,390					-14.8 ft	lb	*20,660	17,840	(27.3)
-6.0 m kg					*13,470	*13,470	*10,400	*10,400							-6.0 m	kg	*8,490	*8,490	6.82
-19.7 ft Ib					*29,700	*29,700	*22,930	*22,930							-19.7 ft	lb	*18,720	*18,720	(22.4)

9.00 m (29' 7") boom, 6.00 m (19' 8") arm equipped with 600 mm (24") triple grouser shoe. (without bucket)

					Lift-point	radius								Lift-poin	nt radius					4	t max. reach	h
Lift-point height	1.5 m (4	4.9 ft)	3.0 m (9	9.8 ft)	4.5 m (1	4.8 ft)	6.0 m (1	9.7 ft)	7.5 m (2	24.6 ft)	9.0m (2	9.5ft)	10.5m (34.4ft)	12.0m (39.4ft)	13.5m (4	44.3ft)	Lift-point height	Cap	acity	Reach
(m/ft)	ŀ	-50	ŀ	-50	ŀ	-5	ŀ	-50	ŀ	-50	ŀ	-	ŀ	-50	ŀ	-50	ŀ		(m/ft)	ŀ	-	m(ft)
10.5 m kg																			10.5 m kg	*2,480	*2,480	11.56
34.4 ft Ib																			34.4 ft Ik	*5,470	*5,470	(37.9)
9.0 m kg															*3,660	*3,660			9.0 m kg	*2,400	*2,400	12.52
29.5 ft Ib															*8,070	*8,070			29.5 ft Ik	*5,290	*5,290	(41.1)
7.5 m kg															*5,020	*5,020			7.5 m k	*2,370	*2,370	13.23
24.6 ft Ib															*11,070	*11,070			24.6 ft lk	*5,220	*5,220	(43.4)
6.0 m kg													*6,260	*6,260	*5,830	5,260	*3,180	*3,180	6.0 m k	*2,400	*2,400	13.75
19.7 ft Ib													*13,800	*13,800	*12,850	11,600	*7,010	*7,010	19.7 ft lk	*5,290	*5,290	(45.1
4.5 m kg											*7,510	*7,510	*6,690	6,420	*6,100	5,070	*4,290	4,020	4.5 m k	*2,470	*2,470	14.08
14.8 ft Ib											*16,560	*16,560	*14,750	14,150	*13,450	11,180	*9,460	8,860	14.8 ft lk	*5,450	*5,450	(46.2
3.0 m kg					*17,810	*17,810	*12,560	*12,560	*9,870	*9,870	*8,240	7,780	*7,160	6,090	*6,390	4,840	*5,070	3,890	3.0 m k	*2,590	*2,590	14.25
9.8 ft Ib					*39,260	*39,260	*27,690	*27,690	*21,760	*21,760	*18,170	17,150	*15,790	13,430	*14,090	10,670	*11,180	8,580	9.8 ft Ik	*5,710	*5,710	(46.7)
1.5 m kg					*11,630	*11,630	*14,190	12,900	*10,900	9,480	*8,920	7,290	*7,610	5,760	*6,680	4,630	*5,570	3,750	1.5 m k	*2,770	*2,770	14.26
4.9 ft Ib					*25,640	*25,640	*31,280	28,440	*24,030	20,900	*19,670	16,070	*16,780	12,700	*14,730	10,210	*12,280	8,270	4.9 ft lk	*6,110	*6,110	(46.8)
Ground kg					*10,370	*10,370	*15,210	12,020	*11,660	8,870	*9,450	6,870	*7,960	5,470	*6,900	4,430	*5,620	3,630	Ground k	*3,020	*3,020	14.10
Line lb					*22,860	*22,860	*33,530	26,500	*25,710	19,550	*20,830	15,150	*17,550	12,060	*15,210	9,770	*12,390	8,000	Line It	*6,660	*6,660	(46.3
-1.5 m kg	*5,890	*5,890	*7,150	*7,150	*11,470	*11,470	*15,590	11,520	*12,070	8,460	*9,770	6,560	*8,180	5,250	*7,010	4,280	*4,830	3,540	-1.5 m k	\$3,370	*3,370	13.79
-4.9 ft Ib	*12,990	*12,990	*15,760	*15,760	*25,290	*25,290	*34,370	25,400	*26,610	18,650	*21,540	14,460	*18,030	11,570	*15,450	9,440	*10,650	7,800	-4.9 ft II	*7,430	*7,430	(45.2
-3.0 m kg	*7,980	*7,980	*9,520	*9,520	*13,520	*13,520	*15,430	11,300	*12,100	8,230	*9,830	6,370	*8,200	5,100	*6,950	4,190			-3.0 m k	*3,860	3,590	13.29
-9.8 ft Ib	*17,590	*17,590	*20,990	*20,990	*29,810	*29,810	*34,020	24,910	*26,680	18,140	*21,670	14,040	*18,080	11,240	*15,320	9,240			-9.8 ft II	*8,510	7,910	(43.6
-4.5 m kg	*10,200	*10,200	*12,070	*12,070	*16,210	*16,210	*14,770	11,270	*11,740	8,150	*9,580	6,290	*7,960	5,050	*6,610	4,170			-4.5 m kg	*4,610	3,900	12.60
14.8 ft lb	*22,490	*22,490	*26,610	*26,610	*35,740	*35,740	*32,560	24,850	*25,880	17,970	*21,120	13,870	*17,550	11,130	*14,570	9,190			-14.8 ft Ik	*10,160	8,600	(41.3)
-6.0 m kg	*12,580	*12,580	*14,900	*14,900	*17,400	*17,400	*13,600	11,400	*10,940	8,210	*8,940	6,320	*7,330	5,090					-6.0 m k	*5,810	4,420	11.67
19.7 ft Ib	*27,730	*27,730	*32,850	*32,850	*38,360	*38,360	*29,980	25,130	*24,120	18,100	*19,710	13,930	*16,160	11,220					-19.7 ft lk	*12,810	9,740	(38.3
-7.5 m kg			*18,180	*18,180	*14,800	*14,800	*11,810	11,680	*9,570	8,400	*7,740	6,490							-7.5 m k	*6,070	5,320	10.44
24.6 ft Ib			*40,080	*40,080	*32,630	*32,630	*26,040	25,750	*21,100	18,520	*17,060	14,310							-24.6 ft Ik	*13,380	11,730	(34.3)
-9.0 m kg					*11,160	*11,160	*9,100	*9,100	*7,290	*7,290									-9.0 m k	\$5,710	*5,710	8.79
-29.5 ft lb					*24,600	*24,600	*20,060	*20,060	*16,070	*16,070									-29.5 ft lk	*12,590	*12,590	(28.8)

Lifting capacity are based on ISO 10567.
 Lifting capacity of HX-LT3 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.

Rating over-front Rating over-side or 360 degree



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

SAE heaped

m³ (yd³)

All buckets are welded with high-strength steel.



1.38 (1.80) 2.20 (2.88) 3.00 (3.92)





*HD 2.20 (2.88) 2.79 (3.65)



*Rock-HD 2.20 (2.88) 2.43 (3.18) 2.79 (3.65) 3.20 (4.19)

6							Reco	mmendatior	n mm (ft.in)		
Capac m ³ (yo		Width	Weight	Tooth	6,550 (Boo			7,060 (Bo			9,000 (29' 6") Boom
SAE Heaped	CECE Heaped	mm (in)	kg (lb) 1,670 (3,680) 2,030 (4,480) 2,460 (5,420) 2,320 (5,110) 2,630 (5,800) 2,610 (5,750) 2,730 (6,020) 2,950 (6,500)	(EA)	2,400 (7' 10") Arm	2,550 (8' 4") Arm	2,550 (8' 4") Arm	2,900 (9' 6") Arm	3,380 (11' 1") Arm	4,000 (13' 1") Arm	6,000 (19' 8") Arm
G) 1.38 (1.80)	1.24 (1.62)	1.135 (45")	1,670 (3,680)	4	•	•	•	•	•	•	
G) 2.20 (2.88)	1.93 (2.52)	1,575 (62")	2,030 (4,480)	5	•	•	•	•	O		×
G) 3.00 (3.92)	2.70 (3.53)	1,905 (75")	2,460 (5,420)	6	•	O					×
H) 2.20 (2.88)	1.93 (2.52)	1,605 (63")	2,320 (5,110)	5	•	•	•	•	O		×
H) 2.79 (3.65)	2.47 (3.23)	1,785 (70")	2,630 (5,800)	5	•	O					×
R) 2.20 (2.88)	1.93 (2.52)	1,605 (63")	2,610 (5,750)	5	•	•	•	O	O	×	×
R) 2.43 (3.18)	2.11 (2.76)	1,750 (69")	2,730 (6,020)	5	•	•	O	O		×	×
R) 2.79 (3.65)	2.47 (3.23)	1,785 (70")	2,950 (6,500)	5	•	O				×	×
(R) 3.20 (4.19)	2.82 (3.69)	1,995 (79")	3,230 (7,120)	6	O				×	×	×
G) General Purpos	se		^			•	Applicable fo	r materials wit	h density of 2,	100 kg/m³ (3,	500 lb/yd³) or les
H) Heavy Duty						0	Applicable fo	r materials wit	h density of 1,	800 kg/m³ (3,	,000 lb/yd³) or les
R) Rock-HD							Applicable fo	r materials wit	h density of 1,	500 kg/m³ (2,	500 lb/yd³) or les
						▲ :	Applicable fo	r materials wit	h density of 1,	200 kg/m³ (2,	000 lb/yd³) or les
						x :	Not Recomm	ended			

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.

6,550 mm (21' 6"), 7,060 mm (8' 2"), 9,000 mm (29' 6") boom and 2,400 mm (7' 10"), 2,550 mm (8' 4"), 2,900 mm (9' 6"), 3,380 mm (11' 1"), 4,000 mm (13' 1"), 6,000 mm (19' 8") arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

DIGGI	IG FOR	CE								
Boom	Length	mm (ft.in)	6,550	(21' 6")		7,060 ((23' 2")		9,000 (29' 6")	
DOOLI	Weight	kg (lb)	4,340	(9,570)		4,370	(9,630)		5,130 (11,310)	Remark
Arm	Length	mm (ft.in)	2,400 (7' 10")	2,550 (8' 4")	2,550 (8' 4")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	6,000 (19' 8")	Remark
Ann	Weight	kg (lb)	2,390 (5,270)	2,350 (5,180)	2,350 (5,180)	2,590 (5,710)	2,630 (5,800)	2,720 (6,000)	3,290 (7,250)	
		kN	241.2 [263.2]	211.8 [231.0]	211.8 [231.0]	211.8 [231.0]	213.8 [233.2]	215.7 [235.4]	216.7	
	SAE	kgf	24,600 [26,840]	21,600 [23,560]	21,600 [23,560]	21,600 [23,560]	21,800 [23,780]	22,000 [24,000]	22,100	
Bucket		lbf	54,230 [59,170]	47,620 [51,940]	47,620 [51,940]	47,620 [51,940]	48,060 [52,430]	48,500 [52,910]	48,720	
Digging Force		kN	280.5 [306.0]	246.2 [268.5]	246.2 [268.5]	246.2 [268.5]	248.1 [270.7]	250.1 [272.8]	252.0	
	ISO	kgf	28,600 [31,200]	25,100 [27,380]	25,100 [27,380]	25,100 [27,380]	25,300 [27,600]	25,500 [27,820]	25,700	
		lbf	63,050 [68,780]	55,340 [60,360]	55,340 [60,360]	55,340 [60,360]	55,780 [60,850]	56,220 [61,330]	56,660	[]: Devuer
		kN	274.6 [299.6]	232.7 [253.9]	232.7 [253.9]	220.7 [240.8]	191.2 [208.6]	170.6 [186.1]	121.6	Power Boost
	SAE	kgf	28,000 [30,550]	23,730 [25,890]	23,730 [25,890]	22,500 [24,550]	19,500 [21,270]	17,400 [18,980]	12,400	
Arm		lbf	61,730 [67,350]	52,320 [57,080]	52,320 [57,080]	49,600 [54,120]	42,990 [46,890]	38,360 [41,840]	27,340	
Crowd Force		kN	287.3 [313.4]	243.2 [265.3]	243.2 [265.3]	229.5 [250.4]	198.1 [216.1]	176.5 [192.6]	124.5	
	ISO	kgf	29,300 [31,960]	24,800 [27,050]	24,800 [27,050]	23,400 [25,530]	20,200 [22,040]	18,000 [19,640]	12,700	
		lbf	64,600 [70,460]	54,670 [59,630]	54,670 [59,630]	51,590 [56,280]	44,530 [48,590]	39,680 [43,300]	28,000	

Note : Boom weight includes arm cylinder, piping, and pin Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

Cummins X12 HYDRAULIC SYSTEM INTELLIGENT POWER CONTE 3-Power Mode, 2-Work Mode, Variable Power Control Pump Flow Control (Upgraded Attachment Mode Flow Contro Engine Auto Idle Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	User Mode IIPC) ol ol rd er em with USB 12 V DC Converter) 0° Visibility		•
INTELLIGENT POWER CONTR 3-Power Mode, 2-Work Mode, Variable Power Control Pump Flow Control (Upgraded Attachment Mode Flow Contro Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	User Mode IIPC) ol ol rd er em with USB 12 V DC Converter) 0° Visibility		•
3-Power Mode, 2-Work Mode, Variable Power Control Pump Flow Control (Upgraded Attachment Mode Flow Contro Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	User Mode IIPC) ol ol rd er em with USB 12 V DC Converter) 0° Visibility		•
Variable Power Control Pump Flow Control (Upgraded Attachment Mode Flow Contro Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	I IPC) ol ol rd er em with USB 12 V DC Converter) 0° Visibility		•
Pump Flow Control (Upgraded Attachment Mode Flow Contro Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	ol ol rd er em with USB 12 V DC Converter) 0° Visibility	•	•
Attachment Mode Flow Contro Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	ol ol rd er em with USB 12 V DC Converter) 0° Visibility	•	•
Engine Auto Idle Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to ' Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	ol rd er em with USB 12 V DC Converter) 0° Visibility	•	•
Engine Auto Shutdown Contro CAB & INTERIOR ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	rd er em with USB 12 V DC Converter) 0° Visibility	•	
ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to 7 Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	er em with USB 12 V DC Converter) 0° Visibility	•	
ISO STANDARD CABIN Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to 7 Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	er em with USB 12 V DC Converter) 0° Visibility	•	
Cabin Lights (LED) Cabin Front Window Rain Gua Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to 7 Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	er em with USB 12 V DC Converter) 0° Visibility	•	
Cabin Roof-Steel Cover Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	er em with USB 12 V DC Converter) 0° Visibility	•	•
Rise-Up Type Windshield Wipe Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	em with USB 12 V DC Converter) 0° Visibility	•	•
Radio / USB Player Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	em with USB 12 V DC Converter) 0° Visibility	•	
Handsfree Mobile Phone Syste 12 V Power Outlet (24 V DC to 7 Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	12 V DC Converter) 0° Visibility	•	
12 V Power Outlet (24 V DC to Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	12 V DC Converter) 0° Visibility	•	
Electric Horn All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	0° Visibility	•	
All-Weather Steel Cab with 36 Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door		-	
Safety glass - Tempered glass Safety glass - Tempered glass Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door		•	
Safety glass windows Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door	with front laminated glass	•	
Sliding Fold-In Front Window Sliding Side Window (LH) Lockable Door			•
Sliding Side Window (LH) Lockable Door		•	
Lockable Door			
Hot & Cool Pox		•	
Hot & Cool Box Storage Compartment		•	
Ashtray & Ashtray			•
Transparent Cabin Roof-Cover		•	
Sun Visor		•	
Door and Cab Locks, One Key		•	
Pilot-Operated Slidable Joystick		•	
Console Box Height Adjust Sys		•	
AUTOMATIC CLIMATE CONT Air Conditioner & Heater	KUL	•	
Defroster		•	
AUTOMATIC STARTING AID	AIR GRID HEATER) FOR WE	ATHER	
Starting Aid (Air Grid Heater)	for Cold Weather	•	
CENTRALIZED MONITORING			
8" LCD Display		•	
Engine Speed or Trip Meter / Accel		•	
Engine Coolant Temperature Gauge		•	
Max Power Low Speed / High Speed		•	
Low Speed / High Speed Auto Idle		•	
Overload warning with alarm			•
Check Engine		•	
Air Cleaner Clogging		•	
Indicators		•	
Eco Gauges		•	
Fuel Level Gauge		•	
Hyd. Oil Temperature Gauge Fuel Warmer		•	
Warnings		•	
Communication Error		•	
Low Battery		•	
Clock		•	
SEAT			
Mechanical Suspension with H		•	-
Adjustable Air Suspension with			•
Adjustable Air Suspension with CABIN FOG (ISO 10262) LEVI			•
CADIN FOG (ISO 10202) LEVI	Front & Tops Guard		•
FOG (Falling Object Guard)	Top Guard		•
CABIN ROPS (ISO 12117-2)			-
ROPS (Roll Over Protective Str	ructures)	•	

SAFETY	STD	ΟΡΤ
	510	
Battery Master Switch Rearview Camera		
AAVM (Advanced Around View Monitoring)		•
Six Front Working Lights		
(4 Boom Mounted, 2 Front Frame Mounted)	•	
Travel Alarm	•	
Rear Work		•
Beacon Lamp		•
Automatic Swing Brake	•	
Boom Holding System	•	
Arm Holding System	•	
Safety Lock Valve for Boom Cylinder with		•
Overload Warning Device		
Safety Lock Valve for Arm Cylinder		•
Swing Lock System		•
Two Outside Rearview Mirror	•	
OTHERS		
Removable Clean-Out Dust Net for Cooler	•	
Removable Washer Tank	•	
Fuel Pre-Filter	•	
Fuel Warmer	•	
Self-Diagnostics System	•	
Hi MATE (Remote Management System)		•
Batteries (2 \times 12 V \times 200 AH)	•	
Fuel Filler Pump (50 lpm)		•
Single-Acting Piping Kit (Breaker, etc.)		•
Double-Acting Piping Kit (Clamshell, etc.)		•
Rotating Piping Kit		•
Quick Coupler Piping Quick Coupler		•
Boom Floating Control		
Fine Swing Control		
One Pedal Straight Travel System		•
Accumulator for Lowering Work Equipment	•	-
Pattern Change Valve (2 Patterns)		•
Semi-Auto Grease(Pump&Gun)		•
Removal CWT		•
Air Cleaner - Wet		•
Tool Kit		•
ATTACHMENT		
BOOMS		
6.55 m, 21' 6"		•
7.06 m, 23' 2"	•	
9.00 m, 29' 7"		•
ARMS		
2.40 m, 7' 10"		•
2.55 m, 8' 4"		•
2.90 m, 9' 6"		•
3.38 m, 11' 1"	•	
4,00 m, 13' 1"		•
6,00 m, 19' 8"		•
UNDERCARRIAGE		
Lower Frame Under Cover (Additional)		•
Lower Frame Under Cover (Normal)	•	
TRACK SHOES		
Triple Grousers Shoes (600 mm, 24")	•	
Triple Grousers Shoe (700 mm, 28")		•
Triple Grousers Shoe (700 mm, 287)		
		-
Triple Grousers Shoe (900 mm, 36")		•
Double (Francers Shee (600 mm 24")		•
Double Grousers Shoe (600 mm, 24")		•
Double Grousers Shoe (700 mm, 28")		•
	•	
Double Grousers Shoe (700 mm, 28")	•	•

MEMO