

HX380L

OPERATING WEIGHT: 37200 kgs

GROSS POWER: 260HP @ 2200rpm

TRAVEL SPEED: 5.0km/hr - 3.1km/hr



BLOCK HANDLING - GRANITE



BLOCK HANDLING - MARBLE



RULE THE GROUND

The HX Series exceeds customer's expectation!
Become a true leader on the ground with HCE's HX Series.



WORK MAX, WORTH MAX

- New Variable Power Control
- Fuel Rate Information
- IPC (Intelligent Power Control)
- ECO Gauge
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover
- Cycle Time Improvement



MORE RELIABLE, MORE SUSTAINABLE

- Durable Cooling Module
- Reinforced Pin, Bush, and Polymer Shim
- Reinforced Durability of Upper and Lower Structure and Attachments
- Wear Resistant Cover Plate
- Hi-grade (High-pressure) Hoses



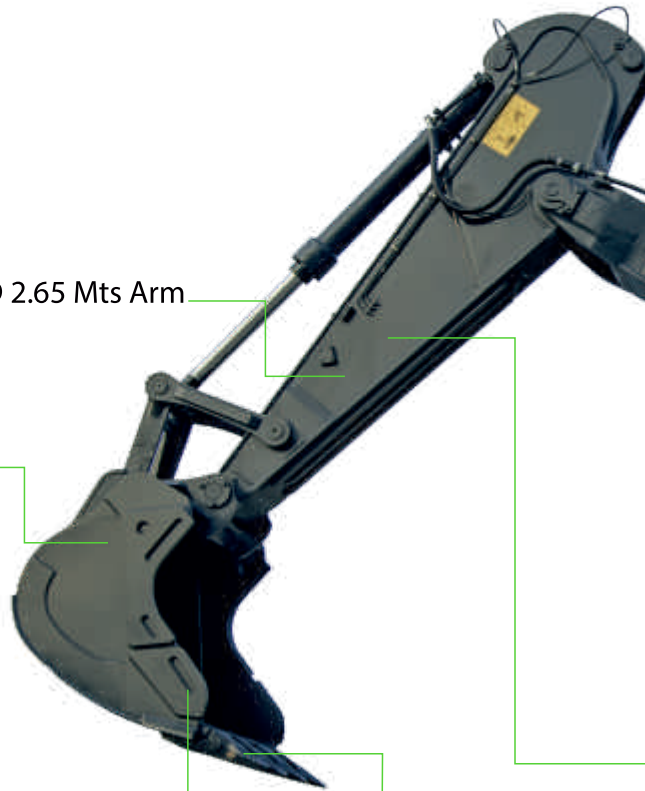
INFOTAINMENT FRONTIER

- New Front Side Air Conditioning Systems
- Intelligent and Wide Cluster
- New Audio System

HD 2.65 Mts Arm

Casted H-Link & HD
Reinforced Links

Block Handling 1.44 m³
HD 1.62/1.86 m³
GP 2.1/2.3 m³

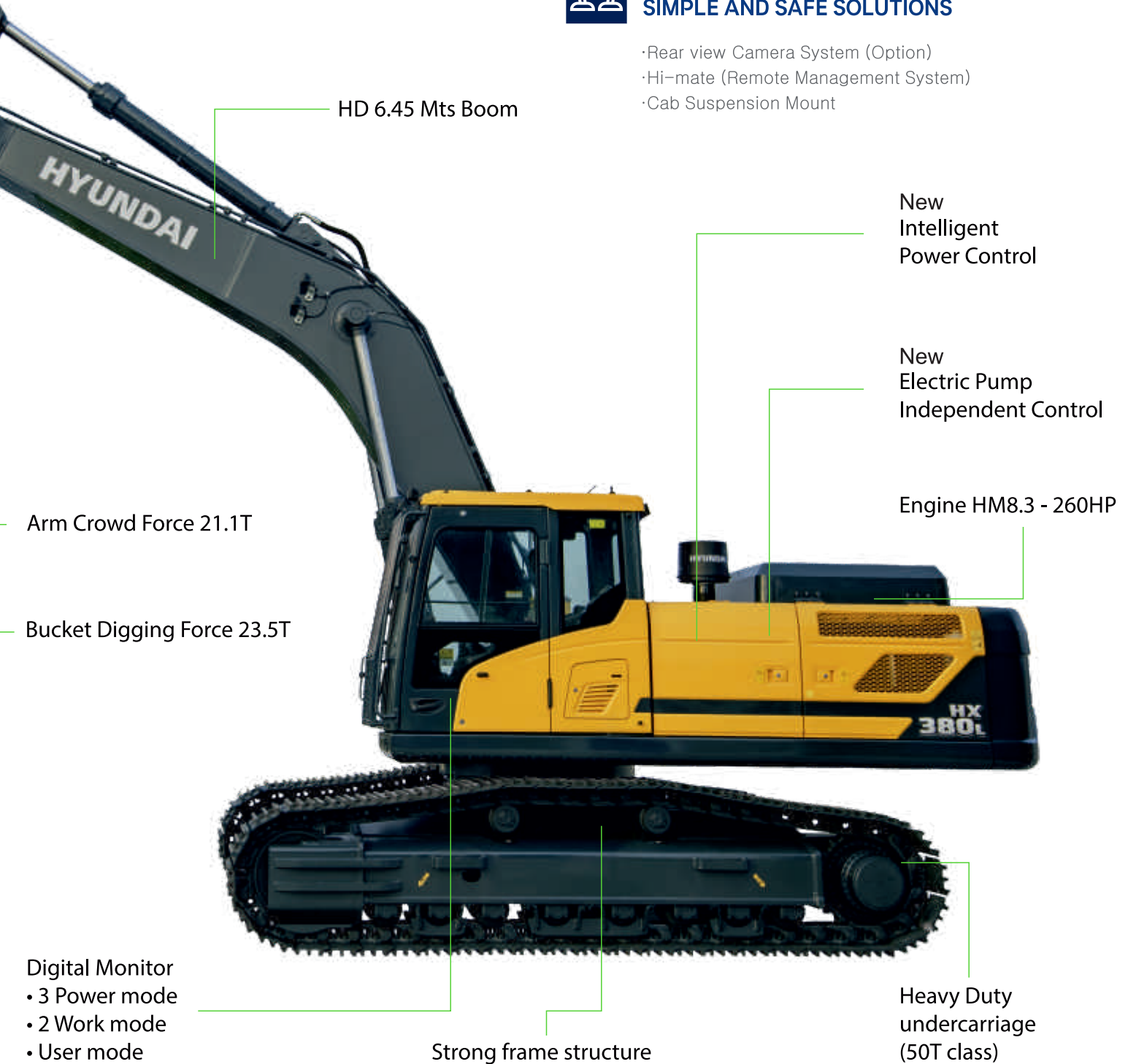


HX380L



MODERN COMFORT, SIMPLE AND SAFE SOLUTIONS

- Rear view Camera System (Option)
- Hi-mate (Remote Management System)
- Cab Suspension Mount



*Photo may include optional equipment.



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New Variable Power Control

The HX Series minimizes equipment input and output control signals to improve fuel efficiency. Its three-stage power mode ensures the highest performance in any operating environment.



* P (power) mode : Maximizes speed and power of the equipment for heavy load work.



* S (standard) mode : Optimizes performance and fuel efficiency of the equipment for general load work.



* E (economy) mode : Improves the control system for light load work.

WORK MAX, WORTH MAX

Fuel Efficiency System, Allows Great Performance

The HX Series has an eco-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.

15% bigger screen from 7 to 8 inch is applied in HX Series.

More functions and better resolution are available with adding premium options.



Fuel Rate Information



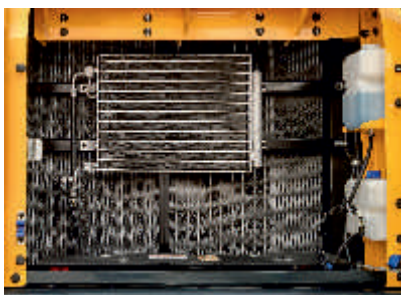
IPC (Intelligent Power Control)

The IPC controls power depending on work environments. Its mode can be selected and released on the monitor. On the excavation mode, pump flow can be easily controlled by a lever, reducing fuel consumption.



Eco Gauge

Eco gauge enables economic operation of machines. The gauge level and color displays engine torque and fuel efficiency level. On top of that, the status of fuel consumption such as average rate and the total amount of fuel consumed is displayed. - Hourly and daily based fuel consumption can be checked in the detailed menu as well.



New Cooling System with Increased Air Flow

With the cooling module improving air inflow, the HX Series provides excellent cooling performance by increasing heat dissipation.



Enlarged Air Inlet with Grill Cover

Enlarged vent hole of the air inlet side cover and fine net grill to prevent penetration of foreign materials further improve durability.

Cycle Time Improvement

The HX Series provides higher productivity on the site by faster operation: it loads trucks up to 10% faster and levels up to 16% faster than the 9S Series.

> MORE RELIABLE, MORE SUSTAINABLE

New Exterior Design for Robustness and Safety

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



Durable Cooling Module

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



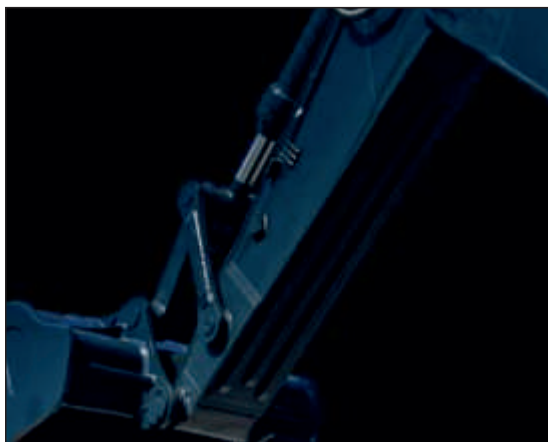
Reinforced Pin, Bush, and Polymer Shim

The HX Series improves lubricity of connecting parts between the equipment and attachments. Gaps with attachments are minimized by wear-resistant long-life pins, bushes, and polymer shims, supporting the highest performance with invariable durability.



Reinforced Durability of Upper and Lower Structure and Attachments

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



Wear Resistant Cover Plate

A wear-resistant cover plate is installed at the end of the arm to minimize abrasion on the connector between the arm and the bucket. Vibration reduction of buckets enables more stable operation even in high-load work.

Hi-grade (High-pressure) Hoses

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



Cabin space for drivers increased by

13%

(Compared to 9S Series)

310 mm
(9S Series)

340 mm
(HX Series)

*Photo may include optional equipment.



New Front Side Air-conditioning System

The ventilation is designed for both warm and cool air reaching to operators' faces. It could help operators create more neat and enjoyable atmosphere through indoor air circulation.

> SPECIFICATIONS

Improved Instrument Panel for Easier Monitoring

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! The HX Series is designed with the operator in mind.



Intelligent and Wide Cluster

The 8-inch interactive touch screen display of the HX Series is 15% larger than that of the previous model. The centralized switches on the display allow the operator to check the temperature outside the cab.



New Air Conditioning System

Front side Air Vent holes make operators more convenient and fresh through direct air flow to driver's face, foot and body.



Front Side Air-Vent

New Audio System

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.



HI MATE REMOTE MANAGEMENT SYSTEM

Our Unique remote management system allows customer to access machine operating information & obtain service & maintenance alerts at the touch of a button.

INCREASED PRODUCTIVITY

HI MATE empowers you to enhance the efficiency of your operations. Make better decisions by comparing the machine's operating time with its travelling, idling & breaker use duration.

CONVENIENT & EASY MONITORING

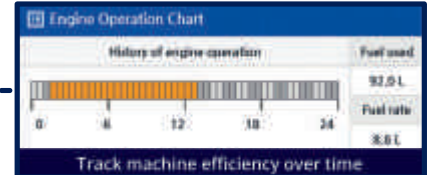
Enjoy round the clock & on the move access to your machine's information through the website or the mobile app.



FLUID CONDITION



ENGINE OPERATION CHART



KEY ON-OFF TIME



OPERATING HISTORY



SECURITY & FLEET MONITORING

Protect your machines from theft or unauthorized use. HI MATE's GPS feature allows you to create a geo-fence & alerts you if the machine moves out of the defined boundary.

Maintenance Interval ID	ALL	Search	Maintenance Request	Ratio	Setting	Replace
Engine Oil Filter	900	1	1,354 08-Jul-2018	319		
Fuel Filter Element	900 500	3	1,354 08-Jul-2018	379		
Fuel Pre Filter Element	900	3	1,354 08-Jul-2018	379		
Hydraulic Tank Air Breather Element	250	1	1,354 08-Jul-2018	125		
Air Cleaner Element	900	3	1,354 08-Jul-2018	379		
Radiator Coolant	2,000			525		
Swing Bearing Grease & Pinion Grease	1,300	1	1,354 08-Jul-2018	675		
Transaxle Oil	1,000			475		+
Transaxle Oil Filter	1,000			475		+

Create your own service schedule & reminder alerts

PROACTIVE MAINTAINANCE

Access your machine's service & maintenance history with the utmost convenience. Plan your service schedules intelligently with our regular reminders.

Date	Time	Hourmeter	Alarm Type	Alarm	Zone Code (ZFM+)	Description	Trouble Shooting
02-Jul-2018	20:51	831	W	106	106	[Warning] Battery Voltage low	
01-Jul-2018	05:31	797	W	106	106	[Warning] Battery Voltage low	
28-Jun-2018	00:48	759	W	106	106	[Warning] Battery Voltage low	
28-Jun-2018	07:32	746	W	111	111	[Warning] Engine Oil Pressure low	
17-Jun-2018	00:05	388	W	106	106	[Warning] Battery Voltage low	
13-Jun-2018	15:58	515	W	111	111	[Warning] Engine Oil Pressure low	
09-Jun-2018	02:31	481	W	106	106	[Warning] Battery Voltage low	
08-Jun-2018	22:48	438	W	106	106	[Warning] Battery Voltage low	
07-Jun-2018	16:48	417	W	111	111	[Warning] Engine Oil Pressure low	

Simplified troubleshooting, with automated alarm system

ALARMS

Get notified of system alarms & protect your machine from critical faults & experience repairs.

RECEIVE LIVE NOTIFICATION THROUGH SMS & HIMATE APPLICATION ALERTS



› PARTS & SUPPORT

HYUNDAI GENUINE PARTS

Developed in synergy with our machines, Hyundai parts and lubricants ensure that you get the high levels of performance, reliability and safety that come with the complete Hyundai experience.

Enjoy the confidence and assurance of the most stringent testing procedures and the high quality manufacturing processes safeguarding your machine's health. Experience the versatility of our 200+ strong outlet network across India

WHY RISK IT?

Maximize profits and extend your machine's life.



BENEFITS OF USING GENUINE HYUNDAI PARTS AND LUBRICANTS

- Genuine Hyundai Parts meet strict specifications and standards in Chemistry, Microstructure and Tensile Strength.
- Benefit from the continuous improvements and advancements made by Hyundai's technical team
- Improved performance of hydraulics and engine components
- Enjoy greater productivity with higher uptime
- Higher resale values
- Reduced oil consumption and unexpected breakdowns
- Enhanced component life



SPECIFICATIONS

ENGINE	
Maker / Model	HYUNDAI/HM8.3
Type	6 cylinder, water cooled, 4-cycle, turbocharged, charge air cooled, direct injection, mechanical controlled diesel engine.
Gross Power	194 kW (260 HP) at 2,200 rpm
Net Power	190 kW (255 HP) at 2,200 rpm
Max. Power	195 kW (261 hp) at 2,000 rpm
Peak Torque	1,150 Nm (848 lb.ft) at 1,300 rpm
Displacement	8.3 (506 cu in)

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2×315 /l/min
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	350 kgf/cm ² (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Powerboost(boom,arm,bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	300 kgf/cm ² (4,270 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-Ø150×1,480 mm
	Arm: 1-Ø170×1,685 mm
	Bucket: 1-Ø140×1,285 mm

DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	32,011 kgf (70,572.17 lbf)
Max. travel speed (high / low)	5km/hr (3.1mph)/3.1km/hr(1.92mph)
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 SYSTEM	
Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.2 rpm

COOLANT & LUBRICANT CAPACITY	
	liter
Fuel tank	600
Engine coolant	25
Engine oil	26.5
Swing device	6.0
Final drive (each)	8.0 (7.8)
Hydraulics system (including tank)	414
Hydraulic tank	210

UNDERCARRIAGE	
The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes 16.5mm track shoes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with triple grouser shoes.	

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	8 EA
No. of rail guard on each side	3 EA

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 6,450mm (21' 2") boom, 2,650mm (8' 7") arm, SAE heaped 1.44 m ³ (1.88 yd ³) bucket, counter weight 6600 kg 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	600	37200 kg	0.71 kg/cm ² (10.1 psi)

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 CO ₂ equivalent 1.14 kg metric tonne. For more information, please refer to the manual.	

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

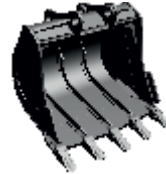
SAE heaped
m³



2.10 (GP)
2.3 (GP)



1.44 (RB)



1.62 (HD)



1.86 (HD)

Capacity m ³ (yd ³)		Width mm (in)	Weight kg (lb)	Tooth	Recommendation mm (ft-in)	
SAE heaped	CECE heaped				6,450 (21' 2") Boom	2,650 (8' 7") Arm
2.10 (2.75)	1.80 (2.35)	1,823	1,650 (3,640)	5		■
1.44 (1.88)	1.25 (1.63)	1,137	1,470 (3,240)	4		●
1.62 (2.12)	1.40 (1.83)	1,540	1,570 (3,460)	5		●
2.3 (3.01)	2.02 (2.64)	1,746	1,830 (4,034)	6		■
1.86 (2.43)	1.6 (2.09)	1,556	1,722 (3,796)	5		●

- ◆ Heavy duty bucket
- ⊠ Rock-Heavy duty bucket [Granite / Marble Bucket]
- : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
- : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less

ATTACHMENTS

Boom and arm are welded with a low-stress, full-box section design. 6.45m Boom and 2.65m Arm

DIGGING FORCE

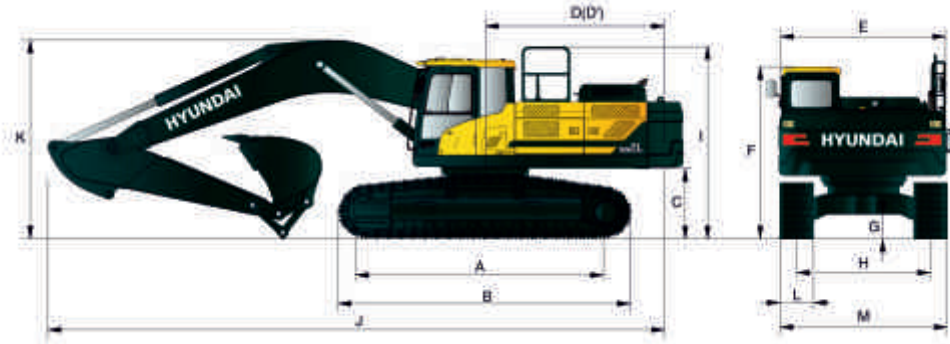
Boom	Length	mm (ft-in)	6,450 (21' 2")	Remark
	Weight	kg (lb)	3,030 (6,680)	
Arm	Length	mm (ft-in)	2,650 (8' 7")	
	Weight	kg (lb)	1,257.5 (2,771)	
Bucket digging force	SAE	kN	187.3 [204.4]	[] : Power Boost
		kgf	19,100 [20,840]	
		lbf	42,110 [45,940]	
	ISO	kN	215.7 [235.4]	
		kgf	21,600 [23,450]	
		lbf	48,500 [52,910]	
Arm crowd force	SAE	kN	175.5 [191.5]	
		kgf	17,900 [19,530]	
		lbf	39,460 [43,060]	
	ISO	kN	184.4 [201.1]	
		kgf	19,400 [21,100]	
		lbf	41,450 [45,220]	

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

> DIMENSION & WORKING RANGE

HX380L DIMENSIONS

6.45 m (21' 2"), BOOM and 2.65 m (8' 7") ARM

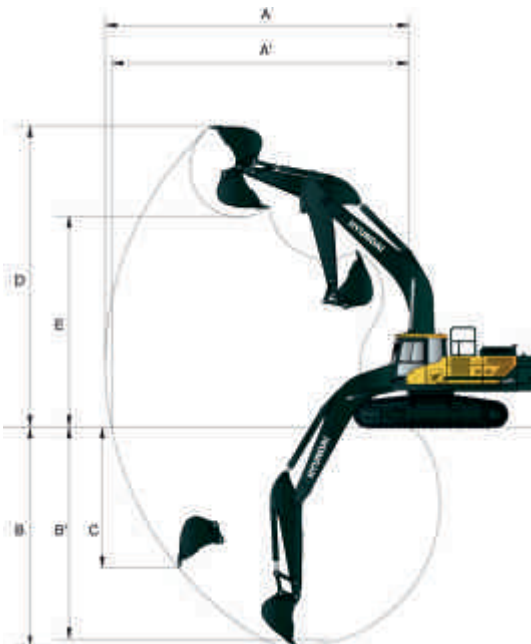


Unit : mm (ftin)

A	Tumbler distance	4,030 (13' 3")
B	Overall length of crawler	4,940 (16' 2")
C	Ground clearance of counterweight	1,200 (3' 11")
D	Tail swing radius	3,570 (11' 9")
D'	Rear-end length	3,510 (11' 6")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,160 (10' 4")

G	Min. ground clearance	500 (1' 8")
H	Track gauge	2,590 (8' 5")
J	Overall length	11,340 (37' 2")
K	Overall height of boom	3,760 (12' 3")
L	Track shoe width	600 (24")
M	Overall width HX360L	3,190 (10' 5")

HX380L WORKING RANGE



Unit : mm (ftin)

A	Max. digging reach	10,710 (35' 1")
A'	Max. digging reach on ground	10,580 (34' 7")
B	Max. digging depth	6,820 (22' 4")
B'	Max. digging depth (8' level)	6,650 (21' 8")
C	Max. vertical wall digging depth	6,320 (20' 7")
D	Max. digging height	10,190 (33' 4")
E	Max. dumping height	7,120 (23' 4")
F	Min. swing radius	4,620 (15' 2")

LIFTING CAPACITIES

HX380L

6.45 m (21' 2") boom, 2.65 m (8' 7") arm equipped with 600 mm (24") triple grouser shoe and 6,600kg (13230 lb) counterweight

Load point height m (ft)	Load radius										At max. reach			
	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 (29.5ft)		Capacity		Reach m (ft)	
7.5m	kg											*6990	*6990	7.20
24.6ft	lb											*15410	*15410	(23.6)
6.0m	kg						*7110	6400				*7050	5480	8.13
19.7ft	lb						*15670	14110				*15540	12080	(26.7)
4.5m	kg			*11190	*11190	*8840	*8840	*7690	6140			*7230	4680	8.71
14.8ft	lb			*24670	*24670	*19490	*19490	*16950	13540			*15940	10320	(28.6)
3.0m	kg			*14550	12910	*10410	8310	*8490	5820	6750	4250	6750	4250	9.00
9.8ft	lb			*32080	28460	*22950	18320	*18720	12830	14880	9370	14880	9370	(29.5)
1.5m	kg			*16970	11930	*11810	7770	8840	5520	6590	4110	6560	4080	9.03
4.9ft	lb			*37410	26300	*26040	17130	19490	12170	14530	9060	14460	8990	(29.6)
0.0m	kg			*17790	11570	12290	7450	8620	5320			6720	4160	8.80
0.0ft	lb			*39220	25510	27090	16420	19000	11730			14820	9170	(28.9)
-1.5m	kg	*15040	*15040	*17480	11540	12160	7330	8530	5240			7330	4520	8.29
-4.9ft	lb	*33160	*33160	*38540	25440	26810	16160	18810	11550			16160	9960	(27.2)
-3.0m	kg	*22610	*22610	*16230	11720	*12130	7410					8720	5390	7.45
-9.8ft	lb	*49850	*49850	*35780	25840	*26740	16340					19220	11880	(24.4)
-4.5m	kg	*18600	*18600	*13680	12130	*10110	7720					*9830	7500	6.12
-14.8ft	lb	*41010	*41010	*30160	26740	*22290	17020					*21670	16530	(20.1)

Load point height m (ft)	Load radius										At max. reach			
	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 (29.5ft)		Capacity		Reach m (ft)	
7.5m	kg											*8510	7720	7.09
24.6ft	lb											*18760	17020	(23.3)
6.0m	kg					*9010	*9010	*8450	6970			*8440	6190	8.04
19.7ft	lb					*19860	*19860	*18630	15370			*18610	13650	(26.4)
4.5m	kg			13210	*13210	*10310	9540	*8970	6780			8070	5400	8.62
14.8ft	lb			*29120	*29120	*22730	21030	*19780	14950			17790	11900	(28.3)
3.0m	kg					*11880	9000	*9740	6510			7530	5010	8.92
9.8ft	lb					*26190	19840	*21470	14350			16600	11050	(29.3)
1.5m	kg					*13180	8570	9580	6280			7380	4880	8.95
4.9ft	lb					*29060	18890	21120	13850			16270	10760	(29.3)
0.0m	kg			*18160	12660	13180	8330	9420	6130			7600	5000	8.71
0.0ft	lb			*40040	27910	29060	18360	20770	13510			16760	11020	(28.6)
-1.5m	kg	*12520	*12520	*18300	12700	13110	8270	9380	6090			8280	5430	8.20
-4.9ft	lb	*27600	*27600	*40340	28000	28900	18230	20680	13430			18250	11970	(26.9)
-3.0m	kg	*22130	*22130	*16700	12900	*12760	8380					9820	6400	7.34
-9.8ft	lb	*48790	*48790	*36820	28440	*28130	18470					21650	14110	(24.1)
-4.5m	kg			*13570	13310							*9870	8760	5.99
-14.8ft	lb			*29920	29340							*21760	19310	(19.7)



Rating over-front



Rating over-side or 360 degree



> NOTES

> DEALER NETWORK



- Excavator Dealers
- Forklift Dealers
- Overseas Dealers

