



▲ **HYUNDAI CONSTRUCTION EQUIPMENT**

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PLEASE CONTACT

Gross Power (SAE J1,995)
66.9 HP (49.9 kW) at 2,400 rpm

Net Power (SAE J1,349)
65.0 HP (48.5 kW) at 2,400 rpm

Bucket Capacity
0.25m³

Operating Weight
9,204 kg / 20,290 lb

HX85A

EU Stage V Engine Installed



* Photo may include optional equipment.

WHAT'S NEWEST AND BEST

HX85A

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine **NEW**
- 2 Pieces Boom **Option**
- Angle Dozer **Option**
- Thumb Bracket **Option**
- Load Sensing System
- Improved Cooling Module
- Improved Fuel Efficiency

EASY CONTROL AND COMFORTABLE OPERATION

- Rear View Camera **Option**
- Pattern Change Valve Switch **Option**
- Smart Key **Option**
- LED Light **Option**
- 2way / 4way option hydraulic **Option**
- Work Mode Selection
- Auto Idle
- Slope Sensor
- New Cabin with Safety and Comfort
- Hydraulic Flow Control from Cluster
- Retractable Seatbelt
- Auto Travel Speed Change

SERVICEABILITY & TELEMATICS

- Hi MATE **Option**
- Centralized Grease Fitting
- Improved Engine & MCV layout
- Mobile Fleet App.



*Photo may include optional equipment.



EU STAGE V CERTIFIED ENGINE

YANMAR 4TNV98C engine is satisfying the most strict environmental emission regulation in the world (Reduction in PM 60%)

EU Stage V Engine **NEW**

Now in its fourth decade of continuous improvement, the YANMAR 4TNV98C engine for 2019 features an EGR-free design that delivers 5 percent more power and 31 percent more peak torque than the current model. Increased fuel economy and longer maintenance intervals contribute to a reduced cost of operation.



Load Sensing System

With new load sensing system, operator work smoother regardless of load size. Fuel consumption also reduced because it delivers exact power needed.

BETTER PRODUCTIVITY

New 2 piece boom and angle dozer option can optimize your productivity, with easy control.

❶ 2 Pieces Boom **Option**

2 pieces boom option can make operator dig dipper and further without moving equipment.

❷ Angle Dozer **Option**

Operator can easily fill trench or remove snow with new angle dozer option.



THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HX A Series is equipped with eco-friendly, high-performance engines that meet the EU Stage V emission requirements.



❶ 2 Pieces Boom

❷ Angle Dozer

*Photo may include optional equipment



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



1 Work Mode Selection

Operator can switch Standard / Power mode by clicking power mode switch.

2 Auto Idle

When machine is in idle, engine rpm automatically drops to save fuel.

3 Rear View Camera Option

Operator can turn on rear view camera with one click, provide better safety.

4 Slope Sensor

You can check slope of the machine.

New Cabin with Safety and Comfort

New HX series cabin with ROPS, FOPS provide you safe place to work.





SERVICEABILITY AND TELEMATICS

IoT / ICT / AI-based digital technology.

Creating a smart construction site. Maximizes connectivity, productivity, and safety for successful businesses.



HiMATE

Option

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.



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 Geo-fence boundary, you will get alerts.

*Photos may include optional equipment.

SPECIFICATIONS

ENGINE			
Maker / Model		YANMAR / 4TNV98C-PHYB	
Type		4 cylinder, water cooled, 4-cycle, turbocharged, charge air cooled, direct injection, electronic controlled diesel engine	
Rated flywheel horse power	SAE	J1995 (gross)	66.9 HP (49.9 kW) at 2,400 rpm
		J1349 (net)	65.1 HP (48.5 kW) at 2,400 rpm
	DIN	6271 / 1(gross)	67.8 PS (49.9 kW) at 2,400 rpm
		6271 / 1 (net)	65.9 PS (48.5 kW) at 2,400 rpm
Max. torque		235 N·m (173 lbf·ft) at 1,560 rpm	
Bore×Stroke		98 × 110 mm (3.86" × 4.33")	
Piston displacement		3,319 cc (203 cu in)	
Batteries		2 × 12 V × 100 Ah	
Starting motor		12 V × 3.0 kW	
Alternator		12 V × 100 Amp	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement piston pump
Max. flow	144 ℓ/min
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system.

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

RELIEF VALVE SETTING	
Implement circuits	280 bar
Travel circuits	280 bar
Swing circuit	245 bar
Pilot circuit	35 bar
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore × stroke	Boom : 1-120×865 mm (4.7" × 34")
	Arm : 1-100×870 mm (3.9" × 34.3")
	Bucket : 1-90×685 mm (3.5" × 27.0")
	Boom swing : 1-110×707 mm (4.3" × 27.8")
	Dozer blade (STD) : 1-110×190 mm (4.3" × 7.5") Dozer blade (Angle) : 1-140×180 mm (5.5" × 7.1") Angle dozer blade : 1-100×461 mm (3.9" × 18.1") Adjust cylinder : 2-95×550 mm (3.7" × 21.6")

NOISE LEVEL (CAB)	
NOSIE LEVELS (DYNAMIC VALVE)	
LwA	99 dB
LpA	76 dB

TRAVEL SYSTEM		
Drive method		Fully hydrostatic type
Drive motor		Axial piston motor, in-shoe design
Reduction system		Planetary reduction gear
Max. drawbar pull		6,400 kgf (14,110 lbf)
Max. travel speed (high / low)	Steel track & Road Liner	4.6 km/hr (2.9 mph) / 2.8 km/hr (1.7 mph)
	Rubber track	5.1 km/hr (3.2 mph) / 3.1 km/hr (1.9 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) : Arm swing, Boom swing (RH) : Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, dial type

SWING SYSTEM	
Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9 rpm

COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel tank	115.0	30.4	25.3
Engine coolant	11.0	2.9	2.4
Engine oil	10.2	2.7	2.2
Final drive (each)	1.2	0.3	0.3
Hydraulic tank	60.0	15.8	13.2
Hydraulic system	120.0	31.7	26.4

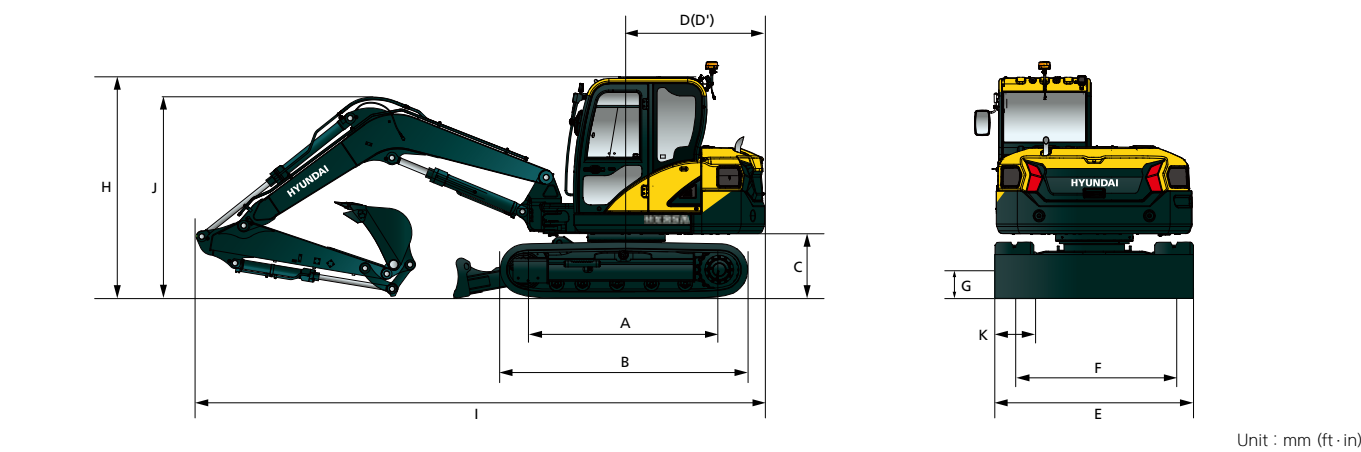
UNDERCARRIAGE	
X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricate rollers, track adjusters with shock absorbing springs and sprockets, and rubber track.	
Center frame	X - leg type
Track frame	Pentagonal box type
No. of track shoe on each side	40 EA
No. of upper roller on each side	1 EA
No. of lower roller on each side	5 EA

OPERATING WEIGHT (APPROXIMATE)		
Operating weight, including 3,920 mm (12' 10") 2 pieces boom, 2,100 mm (8' 11") Long Arm, SAE heaped 0.25 m³ (0.33 yd³) digging bucket, lubricant, coolant, hydraulic tank, fuel tank, Add CWT, Quick Coupler, Rubber Track, Operator (75 kg).		
OPERATING WEIGHT		
Operating weight	Rubber (450)	9,250 kg (20,390 lb)
Ground Pressure	Rubber (450)	0.41 kg/cm²

· 2PCS boom with blade

DIMENSIONS & WORKING RANGE

HX85A DIMENSIONS	
3.92m (12' 10"), 3.55m (11' 8") boom and 1.75m (5' 9"), 2.1 m (6' 11") arm	

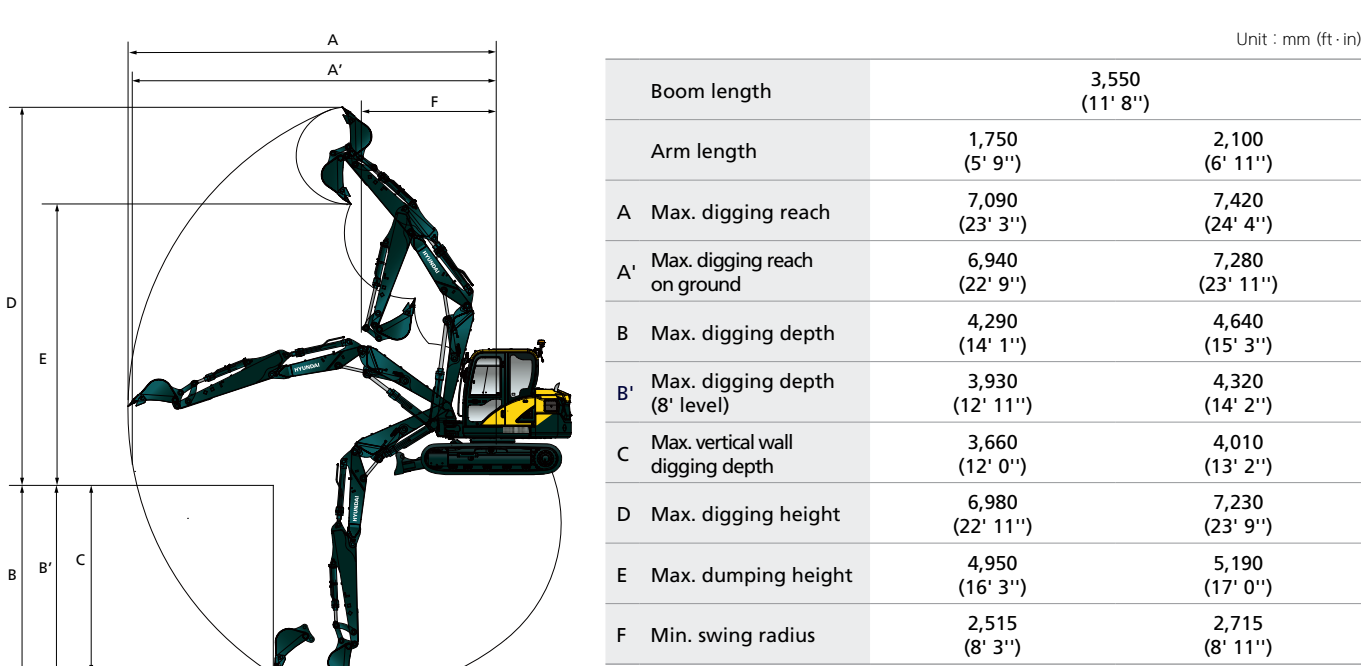


Unit : mm (ft · in)

A	Tumbler Distance	2,300 (7' 7")
B	Overall Length of Crawler	2,885 (9' 6")
C	Ground Clearance of Counterweight	745 (2' 5")
D	Tail Swing Radius	1,600 (5' 3")
D'	Rear-End Length	1,645 (5' 5")
E	Overall Width (W/Foot Board)	2,560 (8' 5")
F	Track Gauge	1,850 (6' 1")
G	Min. Ground Clearance	360 (1' 2")
H	Overall Height of Cab	2,560 (8' 5")

Boom Length	Mono Boom		2-pieces Boom	
	3,550 (11' 8")		3,920 (12' 10")	
Arm Length	1,750 (5' 9")	2,100 (6' 11")	1,750 (5' 9")	2,100 (6' 11")
I Overall Length	6,585 (21' 7")	6,655 (21' 10")	6,790 (22' 3")	6,830 (22' 5")
J Overall Height of Boom	2,175 (7' 2")	2,465 (8' 1")	2,140 (7' 0")	2,455 (8' 1")
K Track Shoe Width	Triple	Grouser	Rubber Track	
	450 (18")	600 (24")	450 (18")	

HX85A WORKING RANGE	
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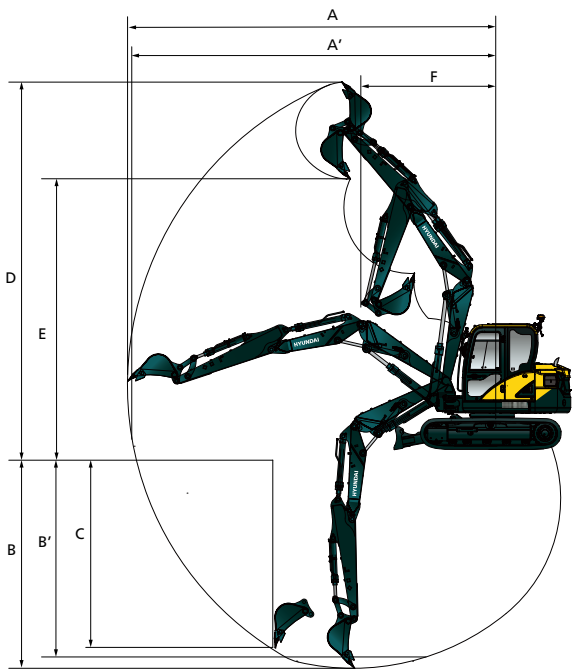


Unit : mm (ft · in)

Boom length	3,550 (11' 8")	
Arm length	1,750 (5' 9")	2,100 (6' 11")
A Max. digging reach	7,090 (23' 3")	7,420 (24' 4")
A' Max. digging reach on ground	6,940 (22' 9")	7,280 (23' 11")
B Max. digging depth	4,290 (14' 1")	4,640 (15' 3")
B' Max. digging depth (8' level)	3,930 (12' 11")	4,320 (14' 2")
C Max. vertical wall digging depth	3,660 (12' 0")	4,010 (13' 2")
D Max. digging height	6,980 (22' 11")	7,230 (23' 9")
E Max. dumping height	4,950 (16' 3")	5,190 (17' 0")
F Min. swing radius	2,515 (8' 3")	2,715 (8' 11")

DIMENSIONS & WORKING RANGE

HX85A WORKING RANGE



Unit : mm (ft·in)		
Boom length	3,920 (12' 10")	
Arm length	1,750 (5' 9")	2,100 (6' 11")
A Max. digging reach	7,290 (23' 11")	7,620 (25' 0")
A' Max. digging reach on ground	7,140 (23' 5")	7,480 (24' 6")
B Max. digging depth	4,310 (14' 2")	4,660 (15' 3")
B' Max. digging depth (8' level)	4,150 (13' 7")	4,510 (14' 10")
C Max. vertical wall digging depth	3,880 (12' 9")	4,230 (13' 11")
D Max. digging height	7,380 (24' 3")	7,650 (25' 1")
E Max. dumping height	5,330 (17' 6")	5,600 (18' 4")
F Min. swing radius	2,475 (8' 1")	2,710 (8' 11")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX85A 2-PIECES BOOM

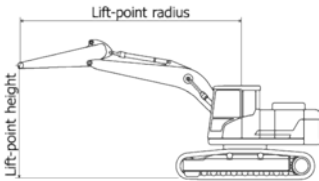
3.92m (12' 10") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)

Lift-point height (m/ft)		Lift-point radius						At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
										m (ft)
6.0m	kg	*2,750	*2,750					*2,450	2,150	4.11
19.7ft	lb	*6,060	*6,060					*5,400	4,740	(13.5)
4.5m	kg	*2,580	*2,580	*2,150	1,890			*1,960	1,300	5.58
14.8ft	lb	*5,690	*5,690	*4,740	4,170			*4,320	2,870	(18.3)
3.0m	kg			*2,410	1,790	*1,860	1,140	*1,790	1,050	6.29
9.8ft	lb			*5,310	3,950	*4,100	2,510	*3,950	2,310	(20.6)
1.5m	kg			*2,720	1,660	*1,900	1,100	*1,680	970	6.52
4.9ft	lb			*6,000	3,660	*4,190	2,430	*3,700	2,140	(21.4)
0.0m	kg			*2,660	1,580	*1,770	1,070	*1,550	990	6.34
0.0ft	lb			*5,860	3,480	*3,900	2,360	*3,420	2,180	(20.8)
-1.5m	kg	*2,910	*2,910	*2,110	1,580			*1,300	1,160	5.71
-4.9ft	lb	*6,420	*6,420	*4,650	3,480			*2,870	2,560	(18.7)

3.92m (12' 10") boom, 1.75m (5' 9") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)

Lift-point height (m/ft)		Lift-point radius						At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
										m (ft)
6.0m	kg	*2,750	*2,750					2,440	1,980	4.11
19.7ft	lb	*6,060	*6,060					5,380	4,370	(13.5)
4.5m	kg	*2,580	*2,580	2,120	1,740			1,450	1,190	5.58
14.8ft	lb	*5,690	*5,690	4,670	3,840			3,200	2,620	(18.3)
3.0m	kg			2,020	1,650	1,270	1,040	1,170	960	6.29
9.8ft	lb			4,450	3,640	2,800	2,290	2,580	2,120	(20.6)
1.5m	kg			1,880	1,510	1,230	1,000	1,080	880	6.52
4.9ft	lb			4,140	3,330	2,710	2,200	2,380	1,940	(21.4)
0.0m	kg			1,800	1,440	1,200	970	1,110	910	6.34
0.0ft	lb			3,970	3,170	2,650	2,140	2,450	2,010	(20.8)
-1.5m	kg	*2,910	2,650	1,800	1,440			*1,300	1,060	5.71
-4.9ft	lb	*6,420	5,840	3,970	3,170			*2,870	2,340	(18.7)

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













LIFTING CAPACITY











 Rating over-front  Rating over-side or 360 degree

HX85A 2-PIECES BOOM

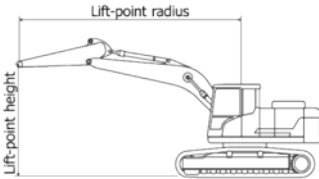
3.92m (12' 10") boom, 2.1m (6' 11") arm equipped with 450mm(18'') triple grouser shoe, dozer down position(without bucket)

Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*2,110	1,890			*2,070	1,750	4.68
19.7ft	lb					*4,650	4,170			*4,560	3,860	(15.3)
4.5m	kg					*1,990	1,910			*1,690	1,160	5.99
14.8ft	lb					*4,390	4,210			*3,730	2,560	(19.6)
3.0m	kg					*2,280	1,810	*1,790	1,140	*1,600	950	6.64
9.8ft	lb					*5,030	3,990	*3,950	2,510	*3,530	2,090	(21.8)
1.5m	kg					*2,640	1,670	*1,870	1,090	*1,560	880	6.86
4.9ft	lb					*5,820	3,680	*4,120	2,400	*3,440	1,940	(22.5)
0.0m	kg					*2,690	1,570	*1,820	1,050	*1,450	900	6.69
0.0ft	lb					*5,930	3,460	*4,010	2,310	*3,200	1,980	(22.0)
-1.5m	kg			*3,350	2,890	*2,270	1,560	*1,360	1,060	*1,250	1,040	6.10
-4.9ft	lb			*7,390	6,370	*5,000	3,440	*3,000	2,340	*2,760	2,290	(20.0)
-3.0m	kg			*1,670	*1,670	*1,100	*1,100			*750	*750	4.90
-9.8ft	lb			*3,680	*3,680	*2,430	*2,430			*1,650	*1,650	(16.1)

3.92m (12' 10") boom, 2.1m (6' 11") arm equipped with 450mm(18'') triple grouser shoe, dozer up position(without bucket)

Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*2,110	1,740			1,970	1,620	4.68
19.7ft	lb					*4,650	3,840			4,340	3,570	(15.3)
4.5m	kg					*1,990	1,760			1,290	1060	5.99
14.8ft	lb					*4,390	3,880			2,840	2,340	(19.6)
3.0m	kg					2,040	1,670	1,280	1,050	1,070	870	6.64
9.8ft	lb					4,500	3,680	2,820	2,310	2,360	1,920	(21.8)
1.5m	kg					1,890	1,520	1,230	1,000	990	810	6.86
4.9ft	lb					4,170	3,350	2,710	2,200	2,180	1,790	(22.5)
0.0m	kg					1,790	1,430	1,190	960	1,020	820	6.69
0.0ft	lb					3,950	3,150	2,620	2,120	2,250	1,810	(22.0)
-1.5m	kg			*3,350	2,600	1,780	1,420	1,190	960	1,170	950	6.10
-4.9ft	lb			*7,390	5,730	3,920	3,130	2,620	2,120	2,580	2,090	(20.0)
-3.0m	kg			*1,670	*1,670	*1,100	*1,100			*750	*750	4.90
-9.8ft	lb			*3,680	*3,680	*2,430	*2,430			*1,650	*1,650	(16.1)











- 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.
- 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

HX85A MONO BOOM

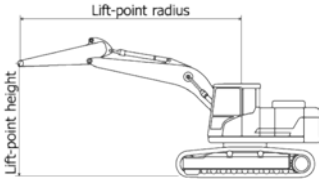
3.55m (11' 8") boom, 1.75m (5' 9") arm equipped with 450mm(18'') triple grouser shoe, dozer down position(without bucket)

Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg									*2,280	*2,280	3.21
19.7ft	lb									*5,030	*5,030	(10.5)
4.5m	kg					*1,890	*1,890			*1,910	1,620	5.02
14.8ft	lb					*4,170	*4,170			*4,210	3,570	(16.5)
3.0m	kg			*2,970	*2,970	*2,140	1,880			*1,820	1,270	5.81
9.8ft	lb			*6,550	*6,550	*4,720	4,140			*4,010	2,800	(19.1)
1.5m	kg					*2,620	1,780	*1,970	1,180	*1,930	1,160	6.06
4.9ft	lb					*5,780	3,920	*4,340	2,600	*4,250	2,560	(19.9)
0.0m	kg			*3,620	3,110	*2,870	1,720			*2,010	1,190	5.87
0.0ft	lb			*7,980	6,860	*6,330	3,790			*4,430	2,620	(19.2)
-1.5m	kg	*3,910	*3,910	*4,210	3,130	*2,590	1,710			*2,040	1,430	5.16
-4.9ft	lb	*8,620	*8,620	*9,280	6,900	*5,710	3,770			*4,500	3,150	(16.9)
-3.0m	kg			*2,290	*2,290					*1,750	*1,750	3.57
-9.8ft	lb			*5,050	*5,050					*3,860	*3,860	(11.7)



3.55m (11' 8") boom, 1.75m (5' 9") arm equipped with 450mm(18'') triple grouser shoe, dozer up position(without bucket)











Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg									*2,280	*2,280	3.21
19.7ft	lb									*5,030	*5,030	(10.5)
4.5m	kg					*1,890	1,790			1,800	1,490	5.02
14.8ft	lb					*4,170	3,950			3,970	3,280	(16.5)
3.0m	kg			*2,970	*2,970	2,110	1,740			1,400	1,170	5.81
9.8ft	lb			*6,550	*6,550	4,650	3,840			3,090	2,580	(19.1)
1.5m	kg					2,000	1,640	1,310	1,090	1,290	1,070	6.06
4.9ft	lb					4,410	3,620	2,890	2,400	2,840	2,360	(19.9)
0.0m	kg			*3,620	2,820	1,930	1,580			1,330	1,100	5.87
0.0ft	lb			*7,980	6,220	4,250	3,480			2,930	2,430	(19.2)
-1.5m	kg	*3,910	*3,910	3,660	2,850	1,930	1,570			1,590	1,310	5.16
-4.9ft	lb	*8,620	*8,620	8,070	6,280	4,250	3,460			3,510	2,890	(16.9)
-3.0m	kg			*2,290	*2,290					*1,750	*1,750	3.57
-9.8ft	lb			*5,050	*5,050					*3,860	*3,860	(11.7)











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



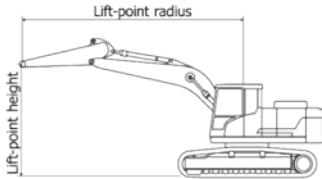
LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX85A MONO BOOM												
3.55m (11' 8") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer down position(without bucket)												
Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg									*1,930	*1,930	3.88
19.7ft	lb									*4,250	*4,250	(12.7)
4.5m	kg					*1,660	*1,660			*1,630	1,430	5.43
14.8ft	lb					*3,660	*3,660			*3,590	3,150	(17.8)
3.0m	kg			*2,480	*2,480	*1,950	1,900	*1,760	1,210	*1,560	1,150	6.15
9.8ft	lb			*5,470	*5,470	*4,300	4,190	*3,880	2,670	*3,440	2,540	(20.2)
1.5m	kg			*4,440	3,250	*2,480	1,790	*1,890	1,170	*1,650	1,060	6.39
4.9ft	lb			*9,790	7,170	*5,470	3,950	*4,170	2,580	*3,640	2,340	(21.0)
0.0m	kg			*3,720	3,090	*2,830	1,710	*1,960	1,140	*1,860	1,090	6.21
0.0ft	lb			*8,200	6,810	*6,240	3,770	*4,320	2,510	*4,100	2,400	(20.4)
-1.5m	kg	*3,290	*3,290	*4,490	3,090	*2,690	1,690			*1,910	1,270	5.56
-4.9ft	lb	*7,250	*7,250	*9,900	6,810	*5,930	3,730			*4,210	2,800	(18.2)
-3.0m	kg			*2,950	*2,950					*1,810	*1,810	4.16
-9.8ft	lb			*6,500	*6,500					*3,990	*3,990	(13.7)

3.55m (11' 8") boom, 2.1m (6' 11") arm equipped with 450mm(18") triple grouser shoe, dozer up position(without bucket)												
Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg									*1,930	*1,930	3.88
19.7ft	lb									*4,250	*4,250	(12.7)
4.5m	kg					*1,660	*1,660			1,590	1,320	5.43
14.8ft	lb					*3,660	*3,660			3,510	2,910	(17.8)
3.0m	kg			*2,480	*2,480	*1,950	1,750	1,340	1,110	1,280	1,070	6.15
9.8ft	lb			*5,470	*5,470	*4,300	3,860	2,950	2,450	2,820	2,360	(20.2)
1.5m	kg			3,790	2,960	2,010	1,650	1,300	1,080	1,180	980	6.39
4.9ft	lb			8,360	6,530	4,430	3,640	2,870	2,380	2,600	2,160	(21.0)
0.0m	kg			3,620	2,800	1,920	1,570	1,270	1,050	1,210	1,000	6.21
0.0ft	lb			7,980	6,170	4,230	3,460	2,800	2,310	2,670	2,200	(20.4)
-1.5m	kg	*3,290	*3,290	3,620	2,800	1,900	1,550			1,420	1,170	5.56
-4.9ft	lb	*7,250	*7,250	7,980	6,170	4,190	3,420			3,130	2,580	(18.2)
-3.0m	kg			*2,950	2,890					*1,810	1,790	4.16
-9.8ft	lb			*6,500	6,370					*3,990	3,950	(13.7)

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



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS										
Capacity m³ (yd³)		Width mm (in)	Weight kg (lb)	Tooth (EA)	Recommendation mm (ft.in)				SAE Heaped	CECE Heaped
					3,550 (11' 8")Boom	3,550 (11' 8")Boom	3,920 (12' 10")Boom	3,920 (12' 10")Boom		
					1,760 (5' 9")Arm	2,100 (6' 11")Arm	1,760 (5' 9")Arm	2,100 (6' 11")Arm		
0.25 (0.33)	0.21 (0.27)	796 (31.3")	188 (0.410)	4	●	●	●	⦿		

◆ Heavy duty bucket

◆ Rock-Heavy duty bucket

★ Long reach bucket

⦿ Slope finishing bucket

● : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less

⦿ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less

■ : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less

▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less

x : Not Recommended

DIGGING FORCE						
Arm	Length	mm (ft.in)	1750 (5' 9")		2100 (6' 11")	
	Weight	kg (lb)	167 (368)		194 (428)	
Bucket Digging Force	SAE	kN	53.0(58.7)		53.0(58.7)	
		kgf	5,401.0(5,979.7)		5,401.0(5,979.7)	
		lbf	11,907.2(13,183.0)		11,907.2(13,183.0)	
	ISO	kN	61.6(68.3)		61.6(68.3)	
		kgf	6,289.9(6,957.2)		6,289.9(6,957.2)	
		lbf	13,853.7(1,5338.0)		13,853.7(1,5338.0)	
Arm Crowd Force	SAE	kN	35.7(39.5)		35.7(39.5)	
		kgf	4,042.0(4,475.0)		3,639.5(4,029.5)	
		lbf	8,911.0(9,865.8)		8,023.8(8,883.5)	
	ISO	kN	41.4(45.9)		37.1(41.1)	
		kgf	4,221.6(4,674.0)		3,782.4(4,187.7)	
		lbf	9,307.1(10,304.3)		8,338.8(9,232.3)	

Note : Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

ENGINE	STD	OPT
YANMAR 4TNV98C Engine	●	
HYDRAULIC SYSTEM		
INTELLIGENT POWER CONTROL (IPC)		
Load Sensing Hydraulic	●	
Engine Auto Idle	●	
Engine Auto Shutdown with Smart Key		●
CAB & INTERIOR		
ISO STANDARD CABIN		
Cabin ROPS(ISO 12117-2)	●	
Cabin FOPS (ISO 10262 Level)	●	
Cabin TOPS (ISO 12117)	●	
Windshield Wiper	●	
Radio / USB Player	●	
12 V Power Outlet (24 V DC to 12 V DC Converter)	●	
Electric Horn	●	
All-Weather Steel Cab with 360° Visibility	●	
Safety Glass Windows	●	
Sliding Fold-In Front Window	●	
Sliding side window	●	
Lockable Door	●	
Storage Compartment & Ashtray	●	
Sun Visor	●	
Door and Cab Locks, One Key	●	
Mechanical Suspension Seat With Heater	●	
Pilot-Operated Slidable Joystick	●	
Cabin Light (Normal / LED)		●
Cabin Front Window Rain Guard		●
Cabin Roof-Steel Cover		●
AUTOMATIC CLIMATE CONTROL		
Air Conditioner & Heater	●	
Defroster	●	
Starting Aid (Air Grid Heater) for Cold Weather	●	
CENTRALIZED MONITORING		
Engine speed	●	
Fuel level gauge	●	
Engine coolant temperature gauge	●	
Fuel level	●	
Engine oil pressure	●	
Engine coolant temperature	●	
Hyd. oil temperature	●	
Low battery	●	
Air cleaner clogging	●	
Fuel prefilter	●	
SEAT		
Mechanical Suspension without Heater	●	
Mechanical Suspension with Heater		●
CABIN FOPS (ISO 10262) LEVEL 1		
FOGS (Falling-Object Protective Structures)	●	
CABIN ROPS(ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	
CABIN TOPS (ISO 12117)		
TOPS (Tip-Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
Three front working lights (Normal)	●	
Three front working lights (LED)		●
Travel alarm	●	
Rear work lamp (Normal / LED)		●
Beacon lamp (Normal / LED)		●
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	●	
Outside rearview mirror	●	
ATTACHMENT		
BOOMS		
3.55 m	●	
3.92 m 2 pieces		●
ARMS		
1.75 m	●	
2.10 m		●
OTHERS		
Thumb / Thumb Bracket		●
Additional Counterweight		●
Hi MATE (Remote Management System)		●
Batteries (2 x 12V x 100 AH)	●	
Fuel filler pump		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)		●
Rotating Piping Kit		●
Quick coupler piping		●
Quick coupler		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)	●	
Travel Speed Auto Shift Down	●	
Tool kit	●	
UNDERCARRIAGE		
Dozer Blade	●	
4 Way Angle Dozer Blade		●
TRACK SHOES		
Triple grouser shoes (450 mm, 18")	●	
Triple grouser shoes (600 mm, 24")		●
Rubber track (450 mm, 18")		●
Rubber PAD (450 mm, 18")		●

* Standard and optional equipment may vary. Contact your 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.

* All imperial measurements rounded off to the nearest pound or inch.

MEMO