#### **A HYUNDAI CONSTRUCTION EQUIPMENT**

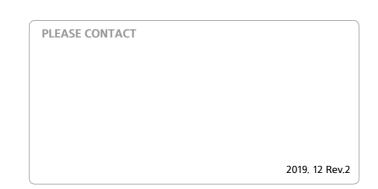
#### Head Office (Sales office)

FIRST TOWER, 55, BUNDANG-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, KOREA

**Americas Operation : Hyundai Construction Equipment** Americas, Inc. 6100 ATLANTIC BOULEVARD NORCROSS GA 30071 U.S.A TEL : (1)847-678-823-7802 FAX : (1)847-678-823-7778

Hyundai Construction Equipment Europe N.V HYUNDAILAAN 4, 3980 TESSENDRLO, BELGIUM

www.hyundai-ce.com



#### **MOVING YOU FURTHER**





# **R1250-9**

# WHAT'S NEWEST AND BEST

Gross Power SAE J1955 / 760 HP at 1,800 rpm



Net Power SAE J1349 / 740 HP at 1,800 rpm



Travel Speed 2.0 mph

3.2 km/hr



- · Auto Boom-swing Priority
- $\cdot$  Computer Aided Power
- · Improved Hydraulic System

## PERFORMANCE

- · CUMMINS QSK23 Engine
- · Heavy-duty strength
- $\cdot$  Structure Strength
- $\cdot$  Excellent Reliability and Durability







### PREFERENCE

- Wide Cabin with Excellent Visibility
- Operator Comfort
- · Reduced Stress
- · Operator Friendly Cluster

### PROFITABILITY

- · Enhanced Safety
- $\cdot$  Hi-MATE
- (Remote Management System)
- · Easy Access
- · Long-Life Components

\*Photo may include optional equipment.

# PRECISION

Innovative hydraulic system technologies make the 9 series excavator fast, smooth and easy to control.

# A

#### Auto Boom-swing Priority

This smart function automatically and conti-nuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

# 

#### Improved Hydraulic System

Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9 series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.

#### **Computer Aided Power**

The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.



P (Power Max) mode maximizes machine speed and power for mass production.

S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy.
For maximum fuel savings and improved control.
E (Economy) mode provides precise flow and engine power based on load demand.

User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

# PERFORMANCE

9 series is designed for maximum performance to keep the operator working productively.

#### **CUMMINS QSK23 Engine**

The Tier II compliant, six cylinder, turbo-charged, 4 cycle, water cooled, Cummins QSK23 diesel engine is built for power, reliability, efficiency and reduced emissions.

#### Heavy-duty strength

Its high-pressure injection (HPI) fuel system (up to 29,000 psi / 200,000 kPa) results in more complete combustion for superior engine response across the entire power curve and the lowest fuel consumption in its class. Its compact and balanced inline six-cylinder design and proven durability in the toughest mine sites make it a great choice to repower vee engines of similar displacement.

The one-piece Ferrous Cast Ductile (FCD) iron pistons and robust cylinder head work to improve long-term durability and dependability. A one-piece cast-iron block, forged-steel crankshaft and a large-diameter camshaft ensure long, reliable performance between overhauls, with the capability of multiple rebuild cycles.





\*Photo may include optional equipment

1260.

The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronge

standard grease cylinder track adjusters and shock absorbing springs. The strengt undercarriage is designed for excellent production at quarries and mines.

#### **Operator - Friendly Cluster**

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

# PREFERENCE

Operators can fully customize their work environment and operating preferences to fit their individual needs.

#### **Operator Comfort**

In 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Other preference settings that add to overall operator comfort include the full automatic high capacity air conditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, and radio / USB player.



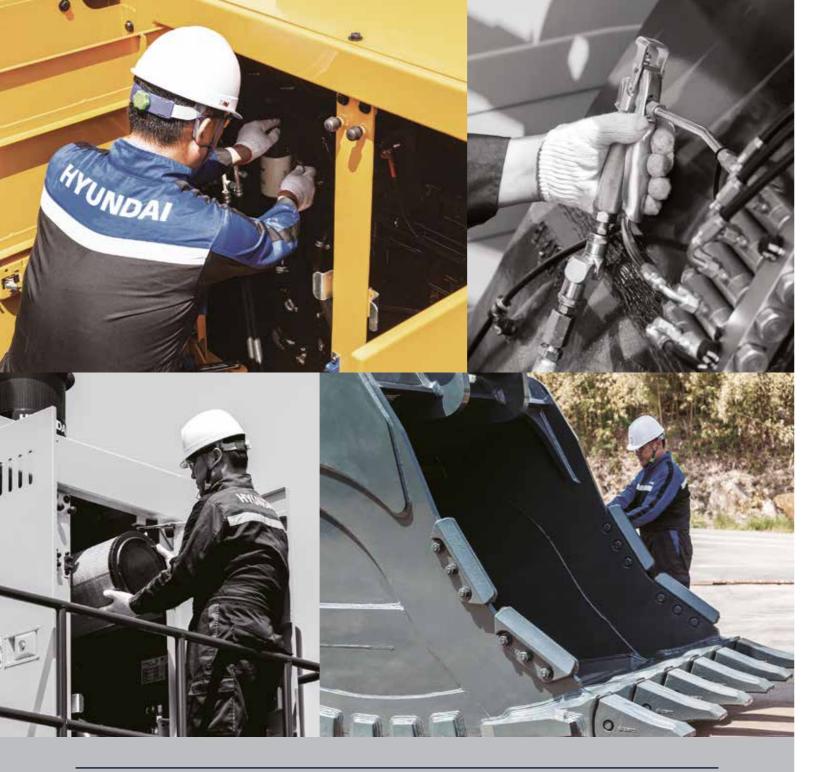
#### **Reduced Stress**

The powerful climate control system and the optimized vent positions provide the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the handsfree cell phone feature.

#### Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Single piece right side glass improves visibility and operator comfort. Plus, the front defrosting system provides more comfortable working condition. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand.





#### **Enhanced Safety**

Variable cabin guards offer enhanced operator safety. And the work lamps on the cab improved operator convenience at night time. Wide cat-walks, large handrails and anti-slip plates provide easy access to the cab and safer maintenance.



# PROFITABILITY

9 series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.

## HIMXTE Option

#### It's Convenient, Easy and Valuable

Hi-mate Hyundai's newly developed remote management system, utilizes GPS-satellite technolgy 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.

#### Easy Access

Concentrated engine filters, remote type fuel pre-filter and fuel cut valve, and wide open compartments make service more convenient. The auto greasing system at the touch of a button provides simple and easy maintenance.



#### Long-Life Components

9 series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000 hrs), long-life hydraulic oil (5,000 hrs), more efficient cooling systems and integrated preheating systems.



## **SPECIFICATIONS**

ENGINE					
Maker /	Mode	I	CUMMINS QSK23		
Туре			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission		
Rated	SAE	J1995 (gross)	760 HP (567 kW) at 1,800 rpm		
flywheel		J1349 (net)	740 HP (552 kW) at 1,800 rpm		
horse	DIN	6271 / 1 (gross)	771 PS (567 kW) at 1,800 rpm		
power		6271 / 1 (net)	750 PS (552 kW) at 1,800 rpm		
Max. tor	que		354 kgf·m (2,560 lbf·ft) at 1,350 rpm		
Bore ×	Stroke	9	170 × 170 mm (6.69" × 6.69")		
Piston di	Piston displacement		23,000 cc (1,404 in <sup>3</sup> )		
Batteries			4 × 12 V × 160 Ah		
Starting motor		r	2 ×24 V × 7.5 kW		
Alternator			24 V × 75 A		

#### HYDRAULIC SYSTEM

Main Pump	
Туре	Variable displacement axial piston pumps
Max. flow	3 × 531 ℓ/min (140.3 US gpm / 116.8 UK gpm)
	1 × 123 ℓ/min (32.5 US gpm / 27.1 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	320 kgf/cm <sup>2</sup> (4,550 psi)
Travel	350 kgf/cm <sup>2</sup> (4,980 psi)
Power boost (boom, arm, bucket)	350 kgf/cm² (4,980 psi)
Swing circuit	300 kgf/cm <sup>2</sup> (4,270 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

#### HYDRAULIC CYLINDERS

	Boom : 230 × 2,165 (9.1" × 85.2")
No. of cylinder bore $\times$ stroke	Arm : 260 × 2,180 mm (10.2" × 85.8")
bore A stroke	Bucket : 240 × 1,792 mm (9.4" × 70.6")

#### **DRIVES & BRAKES**

Drive method	Fully hydrostatic type		
Drive motor	Axial piston motor, in-shoe design		
Reduction system	Planetary reduction gear		
Max. drawbar pull	70,200 kgf (154,800 lbf)		
Max. travel speed (high / low)	3.2 km/hr (2.0 mph) / 2.3 km/hr (1.4 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 SYSTEM Swing motor Axial piston motor Swing reduction Planetary gear reduction Swing bearing lubrication Grease-bathed Swing brake Multi wet disc Swing speed 5.6 rpm **COOLANT & LUBRICANT CAPACITY** liter US gal UK gal 1,475.0 Fuel tank 389.7 324.5 Engine coolant 100.0 26.4 22.0 70.0 18.5 Engine oil 15.4 Swing device - gear oil 8.0 2.1 1.8 Final drive (each) - gear oil 20.0 5.3 4.4 Hydraulic system 1,160.0 306.4 255.2 (including tank) 670.0 177.0 147.4 Hydraulic tank

#### 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	52 EA
No. of carrier roller on each side	3 EA
No. of track roller on each side	8 EA
No. of rail guard on each side	2 EA

#### **OPERATING WEIGHT (APPROXIMATE)**

Operating weight, including 7,550 mm (24' 9") boom, 3,400 mm (11' 2") arm, SAE heaped 6.70 m<sup>3</sup> (8.76 yd<sup>3</sup>) HD bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

	PONENT WEIG	ЭНТ			
Upperstructure		29,920 kg (65,960 lb)			
Counterweigh	nt	20,400 kg	20,400 kg (44,970 lb)		
Boom (with arm cylinder)		12,640 kg	12,640 kg (27,870 lb)		
OPERATING WEIGHT					
Shoes		Operating weight	Ground pressure		
Type Width mm (in)		kg (lb)	kgf/cm <sup>2</sup> (psi)		
<b>D</b> 11	700 (28")	118,000 (260,150)	1.09 (15.50)		
Double grouser	800 (32")	118,670 (261,620)	0.96 (13.65)		
grouser	900 (36")	119,470 (263,390)	0.87 (12.37)		

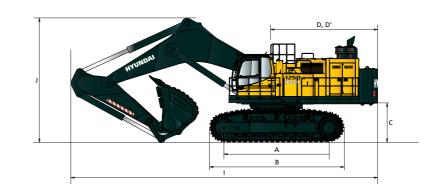
#### AIR CONDITIONING SYSTEM

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 1 kg refrigerant consisting of a CO<sub>2</sub> equivalent 1.43 kg metric tonne. For more information, Please refer to the manual.

# **DIMENSION & WORKING RANGE**

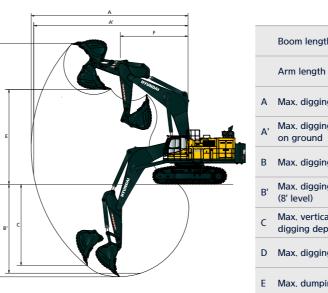
#### **R1250-9 DIMENSION**

7.55m Boom / 3.40m Arm

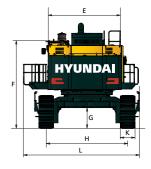


A Tumbler distance	5,010 (16' 5")	De em len sth	7,550	
B Overall length of crawler	6,400 (20' 12")	Boom length	(24' 9")	
C Ground clearance of counterweight	1,825 (5' 12")	Arm length	3,400 (11' 2")	
D Tail swing radius	4,865 (15' 12")	L Overall length	14,580	
D' Rear-end length	4,805 (15' 9")	I Overall length	(47' 10")	
E Overall width of upperstructure	3,520 (11' 7")	J Overall height of boom	6,210 (20' 4")	
- Overall STD	4,250 (13' 11")		700	
F height of cab Cab riser (opt)	5,450 (17' 11")	K Track shoe Width	700 (2' 4")	
G Min. ground clearance	990 (3' 3")			
H Track gauge	3,900 (12' 10")	L Overall Width	5,560 (18' 3")	

#### **R1250-9 WORKING RANGE**



Min. swing F



Unit : mm (ft.in)

	Unit∶mm (ft·in)
7,550	
(24' 9")	
3,400	
(11' 2")	
13,760	
(45' 2")	
13,380	
(43' 11")	
8,010	
(26' 3")	
7,840	
(25' 9")	
5,230	
(17' 2")	
12,420	
(40' 9")	
7,790	
(26' 5")	
6,550	
(21' 6")	
	(24' 9")       3,400       (11' 2")       13,760       (45' 2")       13,380       (43' 11")       8,010       (26' 3")       5,230       (17' 2")       12,420       (40' 9")       7,790       (26' 5")       6,550

# **BUCKET SELECTION GUIDE & DIGGING FORCE**

BU	CKETS						
SAE	= heaped	H H		R		e e e e e e e e e e e e e e e e e e e	
m³	m <sup>3</sup> (yd <sup>3</sup> ) 6.70		)	6.00		7.00	
	Capacity					Recommendation mm (ft · in)	
	m³ (yo	(°t	Width mm (in)	Weight kg (lb)	Tooth EA	7,550 (24' 9") Boom	
	SAE CECE heaped heaped			kg (ib)		3,400 (11' 2") Arm	
(H)	(+) 6.70 (8.76) 5.90 (		2,535 (99.8")	7,440 (16,400)	6	•	
R	B 6.00 (7.85) 5.30 (6.93)		2,420 (95.3")	6,670 (14,700)	5	D	
(H)	H 7.00 (9.16) 6.15 (8.04)		2,535 (99.8")	7,640 (16,840)	6	■	
(H) : I	Heavy Duty	1			-	of 2,100 kg/m <sup>3</sup> (3,500 lb/yd <sup>3</sup> ) or less	

®:Rock

● Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less ■ Applicable for materials with density of 1,500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>) or less Applicable for materials with density of 1,200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>) or less ▲ Applicable for materials with density of 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>) or less - Not Recommended

#### ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design. 7,550 mm (24' 9"), boom and 3,400 mm (11' 2"), arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

DIGGING FORCE					
Boom	Length	mm (ft∙in)	7,550 (24' 9")		
BOOIII	Weight	kg (lb)	10,540 (23,240)	Remark	
Arm	Length	mm (ft∙in)	3,400 (11' 2")	Remark	
Ann	Weight	kg (lb)	4,030 (8,880)		
		kN	511.9 [558.5]	[]: Power Boost	
		kgf	52,200 [56,950]		
Bucket digging		lbf	115,080 [125,540]		
force	ISO	kN	581.5 [634.4]		
		kgf	59,300 [64,690]		
		lbf	130,730 [142,610]		
		kN	423.7 [462.2]		
	SAE	kgf	43,200 [47,130]		
Arm crowd force		lbf	95,240 [103,900]		
	ISO	kN	429.5 [468.6]		
		kgf	43,800 [47,780]		
		lbf	96,560 [105,340]		

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



# **TRANSPORTATION PLAN**

BASE	MACHINE		
	Dimension mm (ft · in)		Weight
L	Н	W	kg (lb)
6,885 (22' 7")	3,410 (11' 2")	3,580 (11' 9")	41,000 (90,390)
	·		

TRACK FRAME								
			Dimension	mm (ft∙in)		Weight		
		Shoe	L	Н	W	kg (lb)		
		700 (24")	6,425 (21' 1")	1,585 (5' 2")	1,060 (3' 6")	14,120 (31,130)		
	<b>√</b> w	800 (32")	6,425 (21' 1")	1,585 (5' 2")	1,110 (3' 8")	14,790 (32,610)		
		900 (35")	6,425 (21' 1")	1,585 (5' 2")	3,580 (11' 9")	15,590 (34,370)		

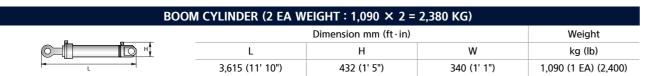
BC	OM ASSEMBLY (BOOM	/I & PIPING & AF	RM CYLINDER &	PINS)	
		Dimension	mm (ft∙in)		Weight
	Boom	L	Н	W	kg (lb)
	7.55 m (24' 9")	7,930 (26' 0")	3,430 (11' 3")	1,500 (4' 11")	13,090 (28,860)

ARM ASS	EMBLY (AR	M & PIPING & B	UCKET CYLINDE	R & CONTROL I	INKAGE & PINS)	)
	•		Dimension	mm (ft·in)		Weight
н	Arm	L	Н	W	kg (lb)	
	3.40 m (11' 2")	5,030 (16' 6")	930 (3' 1")	1,720 (5' 8")	6,390 (14,090)	



BUCKET	BUCKET ASSEMBLY (BUCKET & PINS)									
	Dimension mm (ft · in) Weight									
m³ (yd³)		L	Н	W	kg (lb)					
⊕ 6.80 (8.8	39)	2,990 (9' 10")	2,070 (6' 9")	2,625 (8' 7")	7,610 (16,780)					
® 6.00 (7.8	35)	2,980 (9' 9")	2,055 (6' 9")	2,455 (8' 1")	6,910 (15,230)					
⊕ 7.00 (9.	16)	2,990 (9' 10")	2,180 (7' 2")	2,625 (8' 7")	7,810 (17,220)					

CAB	ASSEMBLY		
	Dimension mm (ft · in)		Weight
L	Н	W	kg (lb)
1,960 (6' 5")	1,675 (5' 6")	1,290 (4' 3")	310 (0.680)





COUNTER WEIGHT								
	C	Dimension mm (ft · in	)	Weight				
Arm	L	Н	W	kg (lb)				
STD	3,520 (11' 7")	1,840 (6' 0")	980 (3' 3")	20,400 (44,970)				

# LIFTING CAPACITY

			Lift-point radius										At max. reach			
Lift-po heigi		3.0 m (10.0 ft) 4.5 m (15.0 ft)			6.0 m (20.0 ft) 7.5 m (25.0 ft)			9.0 m (30.0 ft) 10.5 m (35.0 ft)		(35.0 ft)	Capacity		Reach			
(m/f		ŀ	-60	ŀ	- <b>F</b> .)	ŀ	- <b>F</b> .)	ŀ	- <b>F</b> .)	ŀ	- <b>F</b> .)	ŀ	- <b>F</b> .)	ŀ	- <b>F</b> -)	m (ft)
9.0 m	kg													*11,820	*11,820	11.2
(30 ft)	lb													*26,060	*26,060	(36.8
7.5 m	kg									*19,080	*19,080	*5,410	*5,410	*11,740	*11,740	11.9
(25 ft)	lb									*42,060	*42,060	*11,930	*11,930	*25,880	*25,880	(39.1
6.0 m	kg									*20,440	*20,440	*13,080	*13,080	*11,990	11,070	12.33
(20 ft)	lb									*45,060	*45,060	*28,840	*28,840	*26,430	24,410	(40.5
4.5 m	kg					*35,080	*35,080	*26,820	*26,820	*21,810	*21,810	*18,390	15,960	*12,550	10,260	12.5
(15 ft)	lb					*77,340	*77,340	*59,130	*59,130	*48,080	*48,080	*40,540	35,190	*27,670	22,620	(41.1
3.0 m	kg					*38,690	*38,690	*29,830	28,580	*22,990	20,650	*18,920	15,250	*13,440	9,950	12.52
(10 ft)	lb					*85,300	*85,300	*63,780	63,010	*50,680	45,530	*41,710	33,620	*29,630	21,940	(41.1
1.5 m	kg					*40,150	38,810	*30,080	26,800	*23,630	19,540	*19,050	14,590	*13,820	10,130	12.28
(5 ft)	lb					*88,520	85,560	*66,310	59,080	*52,100	43,080	*42,000	32,170	*30,470	22,330	(40.3
Ground	kg			*53,080	*53,080	*39,380	37,330	*29,920	25,630	*23,410	18,740	*18,430	14,110	*13,320	10,880	11.82
Line	lb			*117,020	*117,020	*86,820	82,300	*65,960	56,500	*51,610	41,310	*40,630	31,110	*29,370	23,990	(38.8
-1.5 m	kg	*48,020	*48,020	*47,840	*47,840	*36,640	*36,640	*28,260	25,020	*21,960	18,310			*12,340	*12,340	11.08
(-5 ft)	lb	*105,870	*105,870	*105,470	*105,470	*80,780	*80,780	*62,300	55,230	*48,410	40,370			*27,210	*27,210	(36.4
-3.0 m	kg	*24,830	*50,120	*40,520	*40,520	*31,860	*31,860	*24,750	*24,750	*18,630	18,340			*10,290	*10,290	10.0
(-10 ft)	lb	*110,500	*110,500	*89,330	*89,330	*70,240	*70,240	*54,560	*54,560	*41,070	40,430			*22,690	*22,690	(32.8
-4.5 m	kg	*35,060	*35,060	*30,200	*30,200	*24,340	*24,340	*18,400	*18,400					*5,580	*5,580	8.43
(-15 ft)	lb	*77,290	*77,290	*66,580	*66,580	*53,660	*53,660	*40,570	*40,570					*12,300	*12,300	(27.7
-6.0 m	kg					*11,930	*11,930									
(-20 ft)	lb					*26,300	*26,300									

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of the HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity. | 3 | The load point is a hook(standard equipment) located on the back of the bucket. | 4 | (\*) indicates load limited by hydraulic capacity.

# **STANDARD / OPTIONAL EQUIPMENT**

## **MEMO**

STANDARD EQUIPMENT	Console box height adjust system
ISO Standard Cabin	Six front working lights, two rear lights
All-weather steel cab with 360° visibility	Air horn
Safety glass windows	Batteries (2 $\times$ 12 V $\times$ 150 AH)
Rise-up type windshield wiper	Battery master switch
Sliding fold-in front window	Removable clean-out dust net for cooler
Sliding side window (LH)	Automatic swing brake
Lockable door	Automatic fuel line deaeration
Hot & Cool box	Fuel pre-filter with fuel warmer
Storage compartment & Ashtray	Boom holding system
Cabin roof-steel cover	Arm holding system
Radio / USB player	Track shoes (700 mm, 28")
12 V power outlet (24 V DC to 12 V DC converter)	Full track rail guard
Handsfree mobile phone system with USB	Accumulator for lowering work equipment
Sun visor	Electric transducer
Cabin FOPS/FOG (ISO/DIS 10262 Level 2)	Lower frame under cover
FOPS (Falling Object Protective Structure)	Viscous fan clutch
FOG (Falling Object Guard)	Air compressor
Cabin lights	Travel alarm
Computer aided power optimization (New CAPO) system	OPTIONAL EQUIPMENT
3-power mode, 2-work mode, user mode	Fuel filler pump (50 &/min)
Auto deceleration & one-touch deceleration system	Beacon lamp
Auto warm-up system	Booms
Auto overheat prevention system	7.55 m, 24' 9"
Automatic Climate Control	Arms
Full automatic temperature controller	3.40 m, 11' 2"
Defroster	Climate control
Self-diagnostics system	Air conditioner only
Starting aid (air grid heater) for cold weather	Heater only
Centralized Monitoring	Track Shoes
8" LCD display	Double grousers shoe (800 mm, 32")
Engine speed or trip meter / Accel	Double grousers shoe (900 mm, 36")
Clock	Pre-heating system, coolant
Gauges	Tool kit
Fuel level gauge	Rearview camera
Engine coolant temperature gauge	Seat
Hyd. oil temperature gauge	Mechanical suspension seat
Warnings	Mechanical suspension seat with heater
Check engine	Air-suspension seat
Overload	Automatic lubrication
Communication error	Hi-mate (Remote Management System)
Low battery	Precleaner
Air cleaner clogging	
Indicators	
Max power	
Low speed / High speed	
Fuel warmer	
Auto idle	
Two outside rearview mirrors	* Chandard and optional optionant manufactor Contract up to be what shades for more than the
Air-suspension seat with heater	* Standard and optional equipment may vary. Contact your hyundai dealer for more information The machine may vary according to international standards.
Pilot-operated slidable joystick	* The photos may include attachments and optional equipment that are not available in your are * Materials and specifications are subject to change without advance notice. * All imperial measurements rounded off to the nearest pound or inch.