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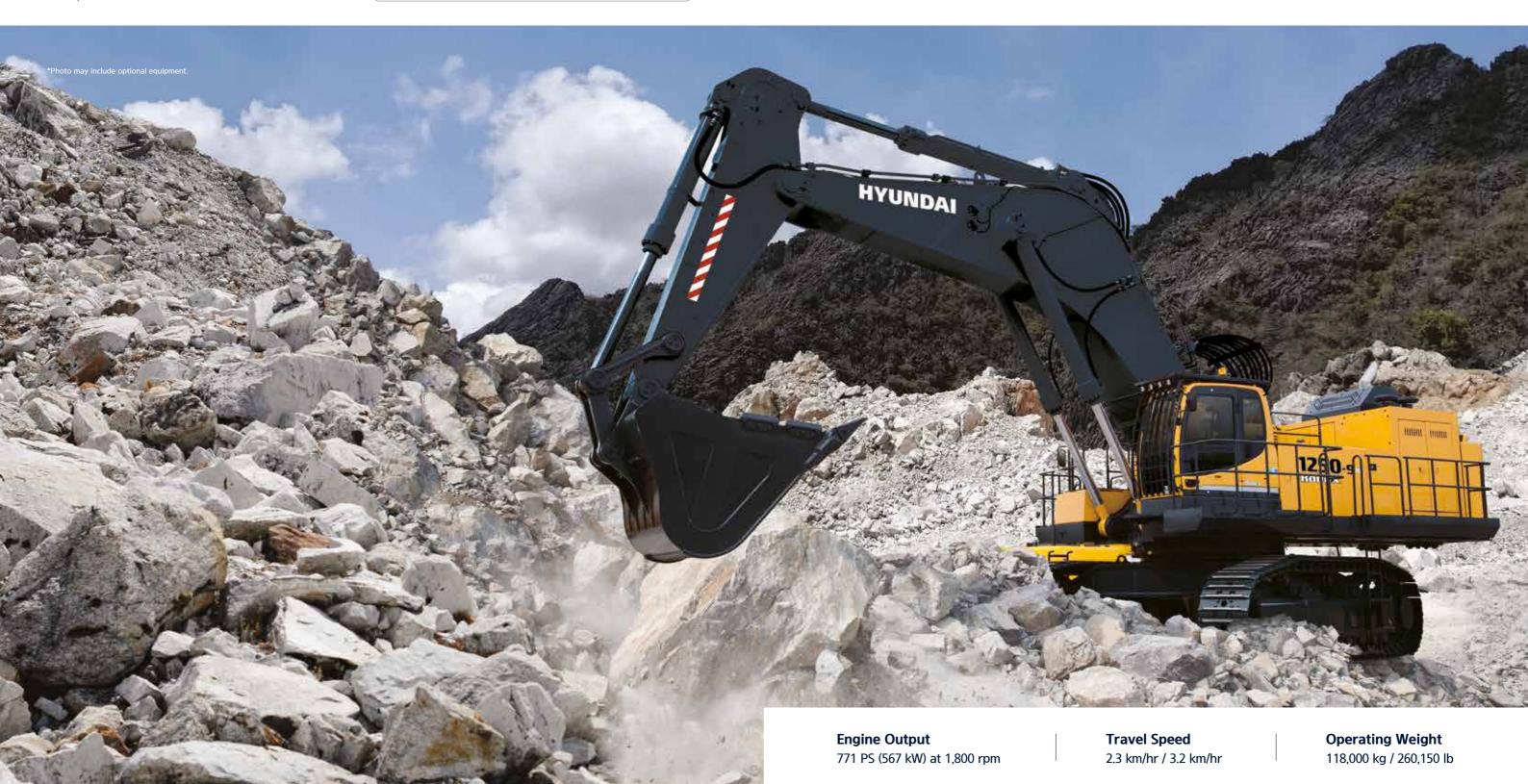
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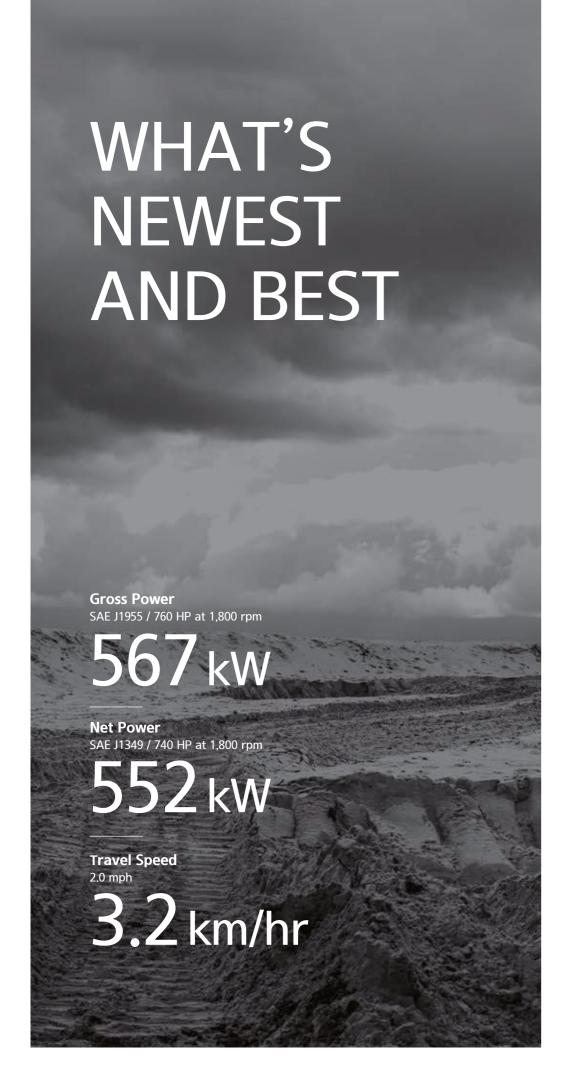
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2019. 12 Rev.2

# R1250-9







### **PRECISION**

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



### **PERFORMANCE**

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



### **PREFERENCE**

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



### **PROFITABILITY**

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



# **PRECISION**

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

#### **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.

#### **Power Mode**

- 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.

#### Iser 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.



#### **Auto Boom-swing Priorit**

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.

# **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.







# **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.



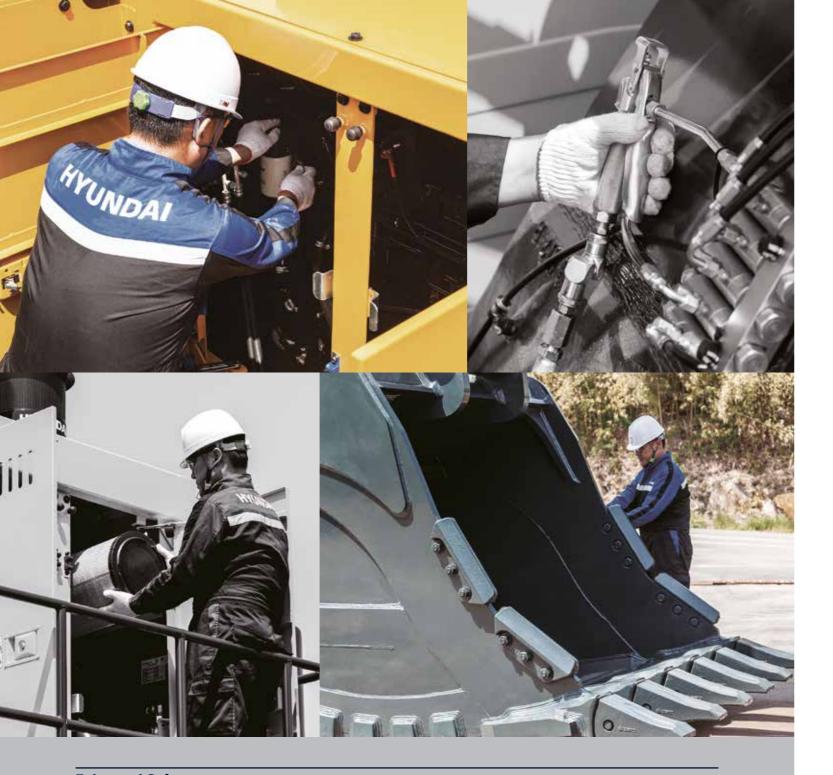
#### **Reduced Stress**

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.



#### 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 / Model		l	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	SAL	J1349 (net)	740 HP (552 kW) at 1,800 rpm
horse power DIN	6271 / 1 (gross)	771 PS (567 kW) at 1,800 rpm	
	6271 / 1 (net)	750 PS (552 kW) at 1,800 rpm	
Max. torque			354 kgf·m (2,560 lbf·ft) at 1,350 rpm
Bore ×	Stroke	9	170 × 170 mm (6.69" × 6.69")
Piston displacement			23,000 cc (1,404 in³)
Batteries			4 × 12 V × 160 Ah
Starting motor		r	2 ×24 V × 7.5 kW
Alternator			24 V × 75 A

#### **HYDRAULIC SYSTEM**

NΛ	۸۱	INI	PI.	INΛ	D
IVI	м	II VI	$-\mathbf{U}$	IIVI	_

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

#### HYDRAULIC MOTORS

Cross-sensing and fuel saving pump system.

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 kaf/cm² (4 550 psi)

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 × stroke	Arm: 260 × 2,180 mm (10.2" × 85.8")
bore × 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
Fuel tank	1,475.0	389.7	324.5
Engine coolant	100.0	26.4	22.0
Engine oil	70.0	18.5	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 (including tank)	1,160.0	306.4	255.2
Hydraulic tank	670.0	177.0	147.4

#### 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 m³ (8.76 yd³) HD bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT		
Upperstructure	29,920 kg (65,960 lb)	
Counterweight	20,400 kg (44,970 lb)	
Boom (with arm cylinder)	12,640 kg (27,870 lb)	

#### OPERATING WEIGHT

Shoes		Operating weight	Ground pressure	
Туре	Width mm (in)	kg (lb)	kgf/cm² (psi)	
<b>5</b> 11	700 (28")	118,000 (260,150)	1.09 (15.50)	
Double grouser	800 (32")	118,670 (261,620)	0.96 (13.65)	
	900 (36")	119,470 (263,390)	0.87 (12.37)	

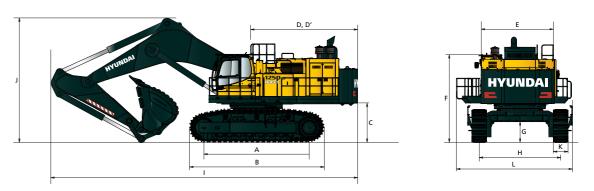
#### AIR CONDITIONING SYSTEM

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

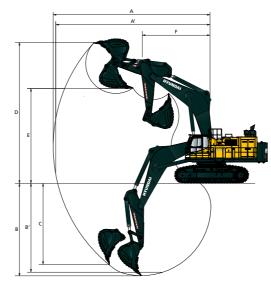


Unit∶mm (ft·in)

Α	Tumbler dis	tance	5,010	(16' 5")
В	Overall lengt	th of crawler	6,400	(20' 12")
C	Ground clearance of counterweight		1,825	(5' 12")
D	Tail swing radius		4,865	(15' 12")
D'	Rear-end length Overall width of upperstructure		4,805	(15' 9")
Е			3,520	(11' 7")
F	Overall	STD	4,250	(13' 11")
٢	height of cab	Cab riser (opt)	5,450	(17' 11")
G	Min. ground	clearance	990	(3' 3")
Н	Track gauge	•	3,900	(12' 10")

		Offic a filling (10 fill)
	Boom length	7,550
	Boom length	(24' 9")
	Arm length	3,400
	Arm length	(11' 2")
	Overall length	14,580
	Overall length	(47' 10")
	Overall height	6,210
_	of boom	(20' 4")
		700
K	Track shoe Width	(2' 4")
	Overell Width	5,560
L	Overall Width	(18' 3")

#### R1250-9 WORKING RANGE



		Unit: mm (ft·in)
	Boom length	7,550
	boom length	(24' 9")
	Aum langth	3,400
	Arm length	(11' 2")
	M. Protest I	13,760
Α	Max. digging reach	(45' 2")
Α'	Max. digging reach	13,380
А	on ground	(43' 11")
_	Many displayed and	8,010
В	Max. digging depth	(26' 3")
R'	Max. digging depth	7,840
В	(8' level)	(25' 9")
c	Max. vertical wall	5,230
C	digging depth	(17' 2")
_	M Process of the Co.	12,420
D	Max. digging height	(40' 9")
_	M 1	7,790
Ε	Max. dumping height	(26' 5")
_	Min main a madius	6,550
F	Min. swing radius	(21' 6")

# **BUCKET SELECTION GUIDE & DIGGING FORCE**

#### **BUCKETS**

 $m^3$  (yd<sup>3</sup>)



Capacity					Recommendation mm (ft·in)		
	m³ (yd³)		Width Weight mm (in) kg (lb)		Tooth EA	7,550 (24' 9") Boom	
	SAE heaped	CECE heaped					3,400 (11' 2") Arm
H	6.70 (8.76)	5.90 (7.72)	2,535 (99.8")	7,440 (16,400)	6	•	
R	6.00 (7.85)	5.30 (6.93)	2,420 (95.3")	6,670 (14,700)	5	•	
H	7.00 (9.16)	6.15 (8.04)	2,535 (99.8")	7,640 (16,840)	6	•	

⊕ : Heavy Duty

 $\mathbb{R}$ : Rock

- Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less
   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/m³ (2,500 lb/yd³) or less
- Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less ▲ Applicable for materials with density of 900 kg/m³ (1,500 lb/yd³) 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				
	Length	mm (ft·in)	7,550 (24' 9")	
Boom	Weight	kg (lb)	10,540 (23,240)	Remark
Arm	Length	mm (ft·in)	3,400 (11' 2")	Remark
AIIII	Weight	kg (lb)	4,030 (8,880)	
		kN	511.9 [558.5]	
	SAE	kgf	52,200 [56,950]	
Bucket		lbf	115,080 [125,540]	
digging force	ISO	kN	581.5 [634.4]	
		kgf	59,300 [64,690]	
		lbf	130,730 [142,610]	[]: Power
		kN	423.7 [462.2]	Boost
Arm crowd force	SAE	kgf	43,200 [47,130]	
		lbf	95,240 [103,900]	
		kN	429.5 [468.6]	
	ISO	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			
	Weight		
L	Н	W	kg (lb)
6,885 (22' 7")	3,410 (11' 2")	3,580 (11' 9")	41,000 (90,390)

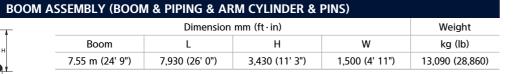




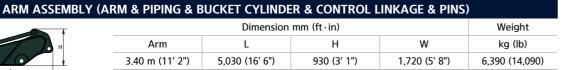
	Weight			
Shoe	L	Н	W	kg (lb)
700 (24")	6,425 (21' 1")	1,585 (5' 2")	1,060 (3' 6")	14,120 (31,130)
800 (32")	6,425 (21' 1")	1,585 (5' 2")	1,110 (3' 8")	14,790 (32,610)
900 (35")	6,425 (21' 1")	1,585 (5' 2")	3,580 (11' 9")	15,590 (34,370)

TRACK FRAME











BUCKET ASSEMBLE (BUCKET & PINS)					
	Weight				
m³ (yd³)	L	Н	W	kg (lb)	
(H) 6.80 (8.89)	2,990 (9' 10")	2,070 (6' 9")	2,625 (8' 7")	7,610 (16,780)	
® 6.00 (7.85)	2,980 (9' 9")	2,055 (6' 9")	2,455 (8' 1")	6,910 (15,230)	
H 7.00 (9.16)	2,990 (9' 10")	2,180 (7' 2")	2,625 (8' 7")	7,810 (17,220)	



CAB ASSEMBLY			
	Weight		
L	kg (lb)		
1,960 (6' 5")	1,675 (5' 6")	1,290 (4' 3")	310 (0.680)



BOOM CYLINDER (2 EA WEIGHT : $1,090 \times 2 = 2,380 \text{ KG}$ )				
		Weight		
L		Н	W	kg (lb)
	3,615 (11' 10")	432 (1' 5")	340 (1' 1")	1,090 (1 EA) (2,400)



СО				
		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**

R1250-9

-6.0 m kg

(-20 ft) lb

	5 m (24' 9	)") / Arm	: 3.40 m	(11' 2") /	Bucket:	6.70 m <sup>3</sup>	(8.76 yd³)	) SAE he	aped / SI	hoe : 700	mm (28	") triple (	arouser		
											(=0	,	g. 0 a. 0 c.		
	Lift-point radius												At max, reach		
Lift-point height		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)		Capacity	
)	b	45)	b	45)		45)		45)		45)		45)		<b>4</b> 5)	m (ft)
kg													*11,820	*11,820	11.22
lb													*26,060	*26,060	(36.8)
kg									*19,080	*19,080	*5,410	*5,410	*11,740	*11,740	11.91
lb									*42,060	*42,060	*11,930	*11,930	*25,880	*25,880	(39.1)
kg									*20,440	*20,440	*13,080	*13,080	*11,990	11,070	12.33
lb									*45,060	*45,060	*28,840	*28,840	*26,430	24,410	(40.5)
kg					*35,080	*35,080	*26,820	*26,820	*21,810	*21,810	*18,390	15,960	*12,550	10,260	12.53
lb					*77,340	*77,340	*59,130	*59,130	*48,080	*48,080	*40,540	35,190	*27,670	22,620	(41.1)
kg					*38,690	*38,690	*29,830	28,580	*22,990	20,650	*18,920	15,250	*13,440	9,950	12.52
lb					*85,300	*85,300	*63,780	63,010	*50,680	45,530	*41,710	33,620	*29,630	21,940	(41.1)
kg					*40,150	38,810	*30,080	26,800	*23,630	19,540	*19,050	14,590	*13,820	10,130	12.28
lb					*88,520	85,560	*66,310	59,080	*52,100	43,080	*42,000	32,170	*30,470	22,330	(40.3)
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
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)
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
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)
															10.01
	lb kg lb kg lb kg lb	lb kg 18 195,870	lb kg lb kg lb kg *48,020 *48,020	lb kg lb lb stage	lb kg lb kg lb *53,080 *53,080 lb *117,020 *117,020 kg *48,020 *47,840 *47,840	Section   Sect	Section   Sect	Section   Sect	Section   Sect	*45,060  kg *35,080 *35,080 *26,820 *26,820 *21,810  *77,340 *77,340 *59,130 *59,130 *48,080  kg *38,690 *38,690 *29,830 28,580 *22,990  lb *85,300 *85,300 *63,780 63,010 *50,680  kg *40,150 38,810 *30,080 26,800 *23,630  lb *88,520 85,560 *66,310 59,080 *52,100  kg *53,080 *53,080 *39,380 37,330 *29,920 25,630 *23,410  lb *117,020 *117,020 *86,820 82,300 *65,960 56,500 *51,610  kg *48,020 *48,020 *47,840 *47,840 *36,640 *36,640 *28,260 25,020 *21,960  lb *105,870 *105,870 *105,470 *105,470 *80,780 *80,780 *62,300 55,230 *48,410	*45,060 *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,060   *45,080   *48,080   *48,080   *48,080   *48,080   *48,080   *48,080   *48,080   *48,080   *29,830   28,580   *22,990   20,650   *63,780   63,010   *50,680   45,530   *40,150   38,810   *30,080   26,800   *23,630   19,540   *40,150   38,810   *30,080   26,800   *23,630   19,540   *40,150   38,560   *66,310   59,080   *52,100   43,080   *48,080   *48,080   *48,080   *39,380   37,330   *29,920   25,630   *23,410   18,740   *41,310   *4	*45,060 *45,060 *28,840   *35,080 *35,080 *26,820 *26,820 *21,810 *21,810 *18,390   *77,340 *77,340 *59,130 *59,130 *48,080 *48,080 *40,540   *38,690 *38,690 *29,830 28,580 *22,990 20,650 *18,920   *85,300 *85,300 *63,780 63,010 *50,680 45,530 *41,710   *40,150 38,810 *30,080 26,800 *23,630 19,540 *19,050   *88,520 85,560 *66,310 59,080 *52,100 43,080 *42,000   *85,308 *39,380 37,330 *29,920 25,630 *23,410 18,740 *18,430   *117,020 *117,020 *86,820 82,300 *65,960 56,500 *51,610 41,310 *40,630   *48,020 *48,020 *47,840 *47,840 *36,640 *36,640 *28,260 25,020 *21,960 18,310	**15,080 **35,080 **26,820 **26,820 **21,810 **21,810 **18,390 15,960   **28,840 **28,840   **35,080 **35,080 **26,820 **26,820 **21,810 **21,810 **18,390 15,960   **38,690 **38,690 **38,690 **29,830 28,580 **22,990 20,650 **18,920 15,250   **38,690 **85,300 **63,780 63,010 **50,680 45,530 **41,710 33,620   **40,150 38,810 **30,080 26,800 **23,630 19,540 **19,050 14,590   **88,520 85,560 **66,310 59,080 **52,100 43,080 **42,000 32,170   **30,080 26,800 **23,410 18,740 **18,430 14,110   **117,020 **117,020 **86,820 82,300 **65,960 56,500 **51,610 41,310 **40,630 31,110   **40,630 31,110   **40,870 **47,840 **36,640 **36,640 **28,260 25,020 **21,960 18,310   **48,410 40,370   **48,410 40	Ib       *45,060       *45,060       *28,840       *28,840       *26,430         kg       *35,080       *35,080       *26,820       *26,820       *21,810       *21,810       *18,390       15,960       *12,550         lb       *77,340       *77,340       *59,130       *59,130       *48,080       *48,080       *40,540       35,190       *27,670         kg       *38,690       *38,690       *29,830       28,580       *22,990       20,650       *18,920       15,250       *13,440         lb       *85,300       *85,300       *63,780       63,010       *50,680       45,530       *41,710       33,620       *29,630         kg       *40,150       38,810       *30,080       26,800       *23,630       19,540       *19,050       14,590       *13,820         kg       *53,080       *53,080       *39,380       37,330       *29,920       25,630       *23,410       18,740       *18,430       14,110       *13,320         kg       *117,020       *117,020       *86,820       82,300       *65,960       56,500       *51,610       41,310       *40,630       31,110       *29,370         kg       *48,020       *47,840       *47,840	***\begin{array}{c c c c c c c c c c c c c c c c c c c

\*22,690 \*22,690

\*5,580 \*5,580

\*12,300 \*12,300 (27.7)

(32.8)

(-10 ft) | lb | \*110,500 \*110,500 | \*89,330 \*89,330 | \*70,240 \*70,240 | \*54,560 \*54,560 | \*41,070 40,430

\*11,930 \*11,930

\*26,300 \*26,300

-4.5 m kg \*35,060 \*35,060 \*30,200 \*30,200 \*24,340 \*24,340 \*18,400 \*18,400

(-15 ft) lb \*77,290 \*77,290 \*66,580 \*66,580 \*53,660 \*53,660 \*40,570 \*40,570

<sup>| 1 |</sup> 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**

STANDARD EQUIPMENT
ISO Standard Cabin
All-weather steel cab with 360° visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window (LH)
Lockable door
Hot & Cool box
Storage compartment & Ashtray
Cabin roof-steel cover
Radio / USB player
12 V power outlet (24 V DC to 12 V DC converter)
Handsfree mobile phone system with USB
Sun visor
Cabin FOPS/FOG (ISO/DIS 10262 Level 2)
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin lights
Computer aided power optimization (New CAPO) system
3-power mode, 2-work mode, user mode
Auto deceleration & one-touch deceleration system
Auto warm-up system
Auto overheat prevention system
Automatic Climate Control
Full automatic temperature controller
Defroster
Self-diagnostics system
Starting aid (air grid heater) for cold weather
Centralized Monitoring
8" LCD display
Engine speed or trip meter / Accel
Clock
Gauges
Fuel level gauge
Engine coolant temperature gauge
Hyd. oil temperature gauge
Warnings
Check engine
Overload
Communication error
Low battery
Air cleaner clogging
Indicators
Max power
Low speed / High speed  Fuel warmer
Auto idle
Two outside rearview mirrors
Air-suspension seat with heater

Pilot-operated slidable joystick

Console box height adjust system
Six front working lights, two rear lights
Air horn
Batteries (2 $\times$ 12 V $\times$ 150 AH)
Battery master switch
Removable clean-out dust net for cooler
Automatic swing brake
Automatic fuel line deaeration
Fuel pre-filter with fuel warmer
Boom holding system
Arm holding system
Track shoes (700 mm, 28")
Full track rail guard
Accumulator for lowering work equipment
Electric transducer
Lower frame under cover
Viscous fan clutch
Air compressor
Travel alarm
OPTIONAL EQUIPMENT

OPTIONAL EQUIPMENT
Fuel filler pump (50 Q/min)
Beacon lamp
Booms
7.55 m, 24' 9"
Arms
3.40 m, 11' 2"
Climate control
Air conditioner only
Heater only
Track Shoes
Double grousers shoe (800 mm, 32")

Seat Mechanical suspension seat

Mechanical suspension seat with heater Air-suspension seat

Double grousers shoe (900 mm, 36") Pre-heating system, coolant

Automatic lubrication

Rearview camera

Hi-mate (Remote Management System)

Precleaner

Tool kit

# **MEMO**

<sup>\*</sup> 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.