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PROVEN PRODUCT | PROVEN SERVICES



 **HD** HYUNDAI
CONSTRUCTION EQUIPMENT

R1250-9

Engine
CUMMINS QSK23

Rated Power
567 kW (760 hp @1.800 rpm)

Operating Weight
118.000 kg / 260.150lb

Bucket Capacity
6.7 - 7 m³

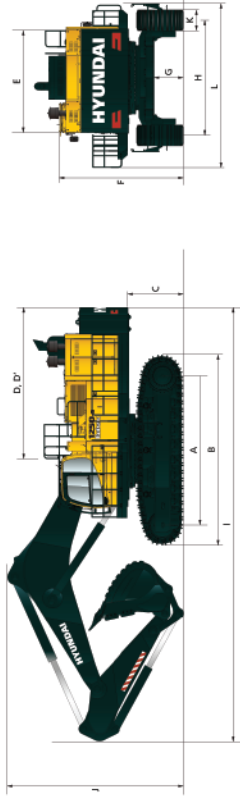
SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS QSK23
Type	Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct Injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horse power	SAE J1995 (gross) 760 HP (567 kW) at 1,800 rpm J1349 (net) 740 HP (522 kW) at 1,800 rpm 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	353.7 kgf-m (2,558 lbf-ft) at 1,350 rpm
Bore x Stroke	170 x 170 mm (6.69" x 6.69")
Piston displacement	23,000 cc (1,404 in ³)
Batteries	4 x 12 V x 160 Ah
Starting motor	2 x 24 V x 7.5 kW
Alternator	24 V x 75 A
HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement axial piston pumps
Max. flow	3 x 490 l/min (129.4 US gpm / 107.8 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 ² (4,550 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	350 kgf/cm ² (4,980 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 : 230 x 2,165 (9.1" x 85.2") Arm : 260 x 2,180 mm (10.2" x 85.8") Bucket : 240 x 1,792 mm (9.4" x 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 fatiguesless 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

DIMENSION & WORKING RANGE

R1250-9 DIMENSION

7.35m Boom / 3.40m Arm

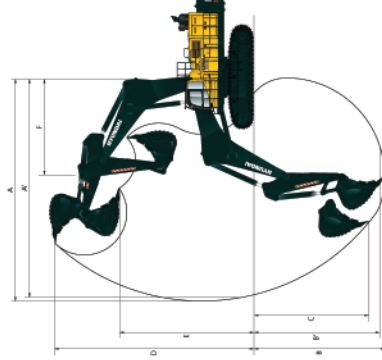


Unit : mm (ft-in)

A	Tumbler distance	5,010 (16' 5")
B	Overall length 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	4,805 (15' 9")
E	Overall width of upperstructure	3,520 (11' 7")
F	Overall STD height of cab	4,250 (13' 11")
F	Overall Cab'riser (opt)	5,450 (17' 11")
G	Min. ground clearance	990 (3' 3")
H	Track gauge	3,900 (12' 10")

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

R1250-9 WORKING RANGE



	Boom length	7,550 (24' 9")
	Arm length	3,400 (11' 2")
A	Max. digging reach	13,760 (45' 2")
A'	Max. digging reach on ground	13,380 (43' 11")
B	Max. digging depth	8,010 (26' 3")
B'	Max. digging depth (8' level)	7,840 (25' 9")
C	Max. vertical wall digging depth	5,230 (17' 2")
D	Max. digging height	12,420 (40' 9")
E	Max. dumping height	7,790 (26' 5")
F	Min. swing radius	6,550 (21' 6")

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped m³ (yd³)	Capacity m³ (yd³)		Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft.-in)	
	SAE heaped	CECE heaped				7,550 (24' 9") Boom	3,400 (11' 2") Arm
①	6.70 (8.76)	5.90 (7.72)	2,535 (99.8")	7,440 (16,400)	6	■	
②	6.00 (7.85)	5.30 (6.93)	2,420 (95.3")	6,670 (14,700)	5	●	
③	7.00 (9.16)	6.15 (8.04)	2,535 (99.8")	7,640 (16,840)	6	■	

- : Heavy Duty
● : 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

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

STANDARD / OPTIONAL EQUIPMENT

STANDARD EQUIPMENT	
ISO Standard Cabin	Console box height adjust system
All-weather steel cab with 360° visibility	Six front working lights, two rear lights
Safety glass windows	Air horn
Rise-up type windshield wiper	Batteries (2 × 12 V × 150 AH)
Sliding fold-in front window	Battery master switch
Sliding side window (LH)	Removable clean-out dust net for cooler
Lockable door	Automatic swing brake
Hot & Cool box	Automatic fuel line deaeration
Storage compartment & Ashtray	Fuel pre-filter with fuel warmer
Cabin roof-steel cover	Boom holding system
Radio / USB player	Arm holding system
12 V power outlet (24 V DC to 12 V DC converter)	Track shoes (700 mm, 28")
Handsfree mobile phone system with USB	Full track rail guard
Sun Visor	Accumulator for lowering work equipment
Cabin FOPS/FOG (ISO/DIS 10262 Level 2)	Electric transducer
FOPS (Falling Object Protective Structure)	Lower frame under cover
FOG (Falling Object Guard)	Viscous fan clutch
Cabin lights	Air compressor
Computer aided power optimization (New CAPO) system	Travel alarm
3-power mode, 2-work mode, user mode	OPTIONAL EQUIPMENT
Auto deceleration & one-touch deceleration system	Fuel filler pump (50 l/min)
Auto warm-up system	Beacon lamp
Auto overheat prevention system	Booms
Automatic Climate Control	7.55 m, 24' 9"
Full automatic temperature controller	Arms
Defroster	3.40 m, 11' 2"
Self-diagnostics system	Climate control
Starting aid (air grid heater) for cold weather	Air conditioner only
Centralized Monitoring	Heater only
8" LCD display	Track Shoes
Engine speed or trip meter / Accel	Double grousers shoe (800 mm, 32")
Clock	Double grousers shoe (900 mm, 36")
Gauges	Pre-heating system, coolant
Fuel level gauge	Tool kit
Engine coolant temperature gauge	Rearview camera
Hyd. oil temperature gauge	Seat
Warnings	Mechanical suspension seat
Check engine	Mechanical suspension seat with heater
Overload	Air-suspension seat
Communication error	Automatic lubrication
Low battery	Hi-mate (Remote Management System)
	Precleaner

* 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.

LIFTING CAPACITY

R1250-9

Boom : 7.55 m (24' 9") / Arm : 3.40 m (11' 2") / Bucket : 6.70 m³ (8.76 yd³) SAE heaped / Shoe : 700 mm (28") triple grouser

Lift-point height (m/ft)		Lift-point radius										At max. reach				
		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		Reach
																m (ft)
9.0 m	kg													*11,820	*11,820	11.22
(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	11.91
(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	12.53
(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	10.01
(-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.



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